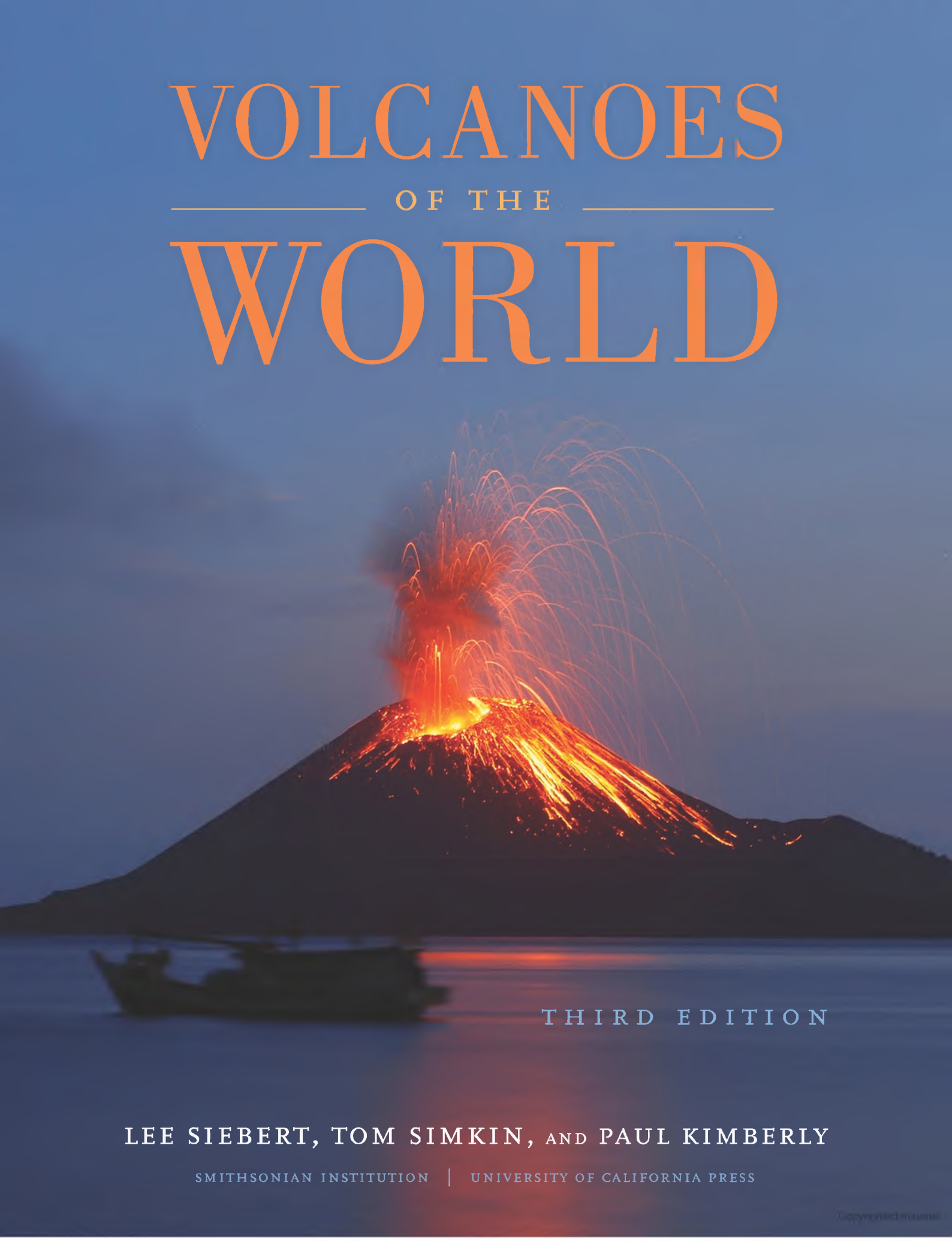
VOLCANOES OF THE WORLD



THIRD EDITION

LEE SIEBERT, TOM SIMKIN, AND PAUL KIMBERLY

SMITHSONIAN INSTITUTION | UNIVERSITY OF CALIFORNIA PRESS

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Cover: Strombolian eruption in June 2009 from Indonesia's Anak Krakatau (Child of Krakatau) volcano. Photograph by Marco Fulle, Stromboli Online.

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Contents

PREFACE vii

DATA CRITERIA AND CONTEXT xii

INTRODUCTION 1

Previous Summaries 1
Sources 2
Years Covered 2
Maps and Regional Numbering Scheme 3

DATA TABLE SUMMARIES 4

Directory 4
Chronology 5
Large-Volume Holocene Eruptions 5
Fatalities and Evacuations 5
Preliminary List of Pleistocene Volcanoes 6
Preliminary List of Large-Volume Pleistocene Eruptions 6
Gazetteer 7
References 7

VOLCANO DATA 8

Volcano Name 8
Subregion 8
Latitude and Longitude 9
Elevation 11
Population 12
Rock Type 13
Type (Morphology) 14
Volcano Number 15
Status 15

ERUPTION DATA 17

Area of Activity 19
Dates: Start and Stop 19
Uncertainties 19
Dating Techniques 20
Duration 24
Eruptive Characteristics 25
Volcanic Explosivity Index (VEI) 28
Volume of Products (Vol L/T) 30

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HISTORICAL RECORD: TRENDS AND CAUTIONS 31
Volcanoes and Humans 34
Volcanoes and Aircraft 36
Volcanic Processes 37
Volcanism: Magnitude, Frequency, and Global Impacts 37
Durations and Paroxysms 39
Episodicity and Periodicity 39
Intervals between Eruptions and Associated Hazard Implications 40
Conclusions 42
References 42

DIRECTORY OF VOLCANOES 47
Europe to Caucasus (01) 49
Africa & Red Sea (02) 57
Middle East & Indian Ocean (03) 63
New Zealand to Fiji (04) 68
Melanesia & Australia (05) 75
Indonesia & Andaman Is (06) 83
Philippines & SE Asia (07) 102
Japan, Taiwan & Marianas (08) 107
Kuriles, Kamchatka & Mainland Asia (09 &10) 130
Alaska (11) 145
Canada & Western USA (12) 154
Pacific Ocean (13) 160
México & Central America (14) 166
South America (15) 180
West Indies (16) 196
Iceland & Arctic Ocean (17) 199
Atlantic Ocean (18) 207
Antarctica & S Sandwich Islands (19) 211

CHRONOLOGY OF ERUPTIONS 215

LARGE-VOLUME HOLOCENE ERUPTIONS 319
Explosive Eruptions 321
Effusive Eruptions 325

FATALITIES AND EVACUATIONS 329
Fatalities 331
Evacuations 345

PRELIMINARY LIST OF PLEISTOCENE VOLCANOES 349

PRELIMINARY LIST OF LARGE-VOLUME PLEISTOCENE ERUPTIONS 361

COLOR PHOTO SECTION between pages 372 and 373

GAZETTEER 373

REFERENCES 479

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Preface

Few geologic processes both capture the popular imagination and fuel scientists' quest for knowledge about our planet more than active volcanism. Volcanoes span an enormous spectrum: from topographically inconspicuous fissures to majestic peaks and from mild steaming to terrifying paroxysms. To understand volcanism, essential to either avoid its dangers or to utilize its resources, we must document its full breadth. Volcanology, more than most disciplines, depends upon history. The range of behavior is extremely broad, and the intervals between events can be long enough that it is essential to mine the contemporary and historical records to understand the dynamic aspects that are difficult or impossible to obtain for prehistoric eruptions. Well-documented examples from the past can be enormously helpful in interpreting a current volcanic crisis, and understanding the processes of the present is a long-established geological key for unlocking secrets of the past.

For more than four decades our group at the Smithsonian has been both documenting the older eruptions that have built the record of our planet's volcanism and aggressively seeking descriptions of ongoing volcanism. Even in the 21st century, unless eruptions are documented at the time of their occurrence, essential data may be lost to science. We endeavor to ask the right questions while the answers are still available, integrate data from diverse sources, and share this information with an ever-broadening community interested in volcanism.

Even the most basic volcanological information can be widely scattered, making it difficult to answer the first questions asked when confronted by a newly active volcano (Where is it?, What is its history?, Who has studied it?). Consequently, we started a database back in the keypunch card era nearly four decades ago. Since the publication of our first edition in 1981, and including the 2nd in 1994, the number of eruptions documented has nearly doubled to more than 10,400, and the number of "new" volcanoes has grown by more than 200. These additions cumulatively reflect incorporation of data on old and new eruptions, reviews of our data by regional specialists, and gratifying contributions from readers all over the world, including more than 250 personal communications cited in our database. Published references have more than doubled since the 2nd edition, and the number of names and synonyms listed in the Gazetteer increased by half, in part because of the inclusion of preliminary data from Pleistocene volcanoes. We believe that quality has increased along with quantity, but must emphasize, as we do throughout the following text, that the record of volcanism documented here remains far from complete.

It is a pleasure to thank the many people who have contributed to the data presented in this and previous volumes during the past four decades. We owe a particular debt of gratitude to Chris Newhall, formerly of the U.S. Geological Survey and now of the Earth Observatory of Singapore. This long-term collaboration began prior to our first edition and has continued through the years. He reviewed much of the first two editions and contributed his invaluable Volcanic Explosivity Index (VEI) data on explosive magnitude (with Steve Self). Another very profitable long-term collaboration was with John Latter of New Zealand, who contributed his painstaking compilations on the world's volcanoes; we also acknowledge Dan Shackelford for his contributions to the 2nd edition from correspondence with international volcanologists. Long-term collaboration with the U.S. Geological Survey Volcano Hazards Program under the successive leadership of Marianne Guffanti, John Pallister, Jim Quick, and John Eichelberger has greatly benefited our program, as has interactions with USGS geoscience advisors to the USAID-Office of Foreign Disaster Assistance, Tina Neal, Jim Smith, and Gari Mayberry. Ongoing collaboration with Steve Sparks and colleagues Laura Hobbs, Natalie Oritz, Natalia Delinge, and Sian Crosweller from Bristol University has contributed to the large-volume Pleistocene eruption list and will lead to future enhancement of these important data.

We have benefited from funding supplied by the U.S. Department of Energy (Office of Geothermal Technologies), NASA (Volcano-Climate Interaction Program), and the U.S. Geological Survey (Volcano Hazards Program), and we thank these organizations for their support. Our greatest support has come directly from the U.S. Congress in the form of line-item funding for the Smithsonian's Global Volcanism Program. This support has enhanced our eruption reporting, helped establish a permanent archive for maps, photographs, and documents, and greatly improved our intensive information technology needs. Funds for this project were provided by the Atherton Seidell Endowment Fund of the Smithsonian Institution.

It is a pleasure to acknowledge the significant contributions of Jenny Wapner and Kate Hoffman of the University of California Press for skilled guidance through the publication process and Lia Tjandra for design of the front and back covers. Dick Fiske reviewed the full text, and his input and encouragement along with that of external reviewers Bob Tilling and Bill Rose is greatly appreciated.

Archivist Stacia Largen and volunteer Mig Dooley Johnson processed the greatly increased number of images used in this edition. Giuseppina Kysar Mattietti and Diane Hanley

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earlier laid the groundwork for the extensive image database. Stacia Largen also worked on the bibliography. Pamela Melser helped with the greatly improved two-color maps in this edition, and Ken Brown assisted with graphics and figures. John Norton crafted the figures of eruption types and cheerfully incorporated comments from numerous iterations that greatly improved this figure from that used in the first two editions. Ed Venzke, Sorena Sorensen, Cheryl Siebert, Sally Kuhn Sennert, Stacia Largen, Bruce Lederer, and Steve Bentley performed the painstaking but invaluable role of proofing many sections of the book.

Below, we list some of the many people who have contributed data or reviews to parts of or full regions. An asterisk after the name singles out the friends who have reviewed large segments (in a few cases all) of their region's entries or provided major data streams. We also would like to acknowledge the important roles of many other contributors (not mentioned here) who sent reprints or otherwise alerted us to additions and corrections to individual entries.

Europe and Middle East Vicente Arana, Guy Camus*, Frank Clover, Oskar Ermann, Jean Feraud*, Jörg Keller*, Josep-María Mallarach, James Mellaart, Claudia Principe*, Romolo Romano, Roberto Scandone*, Jean-Claude Tanguy*.

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Philippines and SE Asia Maricar Carmen Arpa*, Toti Corpuz*, Espie Del Mundo*, Chris Newhall*, Olimpio Peña*, Jim Whitford-Stark*, John Wolfe*.

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Kamchatka and Mainland Asia Alexander Belousov, Oleg Dirksen, Yuri Doubik, Ed Erlich*, Jim Gill, William Kidd, Jiaqui Lui, Xiang Liu, Jim Luhr, P Novograblenof, Maria Pevzner, Vera Ponomareva*, Sergei Rasskazov, Oleg Volynets, Geoff Wadge, Jim Whitford-Stark*, Ming Zhang.

Alaska Cheryl Cameron, Klaus Jacob, Juergen Kienle, Bruce Marsh, Game McGimsey, Steve McNutt, Tom Miller, Tina Neal, Chris Nye*, John Reeder, Janet Schaefer.

Canada Neil Church, Ben Edwards, Cathy Hickson*.

Continental United States Roy Bailey, Michael Clynne, William Elston, Dan Miller, Frank Monastero, Michael Ort, Dave Sherrod*.

Hawaii and Pacific Islands Hans Barsczus, Jack Lockwood*, Dave Sherrod, Jacques Talandier, Tom Wright.

Mexico and Central America Guillermo Alvarado*, Jorge Aranda, Jorge Barquero*, Sam Bonis, Andrei Borgia, Mike Carr*, Gerardo Carrasco-Núñez, Mark Defant, C Demetrio Escobar, Jaime Incer*, Larry Feldman*, Jim Luhr*, Alfredo MacKenney, Eduardo Malavassi, William Melson, Steve Nelson, Carlos Pullinger, Jim Reynolds, Antonio Rivera, Bill Rose*, Dick Stoiber, Ben van Wyk de Vries.

South America Norm Banks, Bernardo Beate*, Shan de Silva*, Tui De Roy, José Egred, Moyra Gardeweg, John Guest, Pete Hall*, BA Klinck, Hugo Moreno*, Alberto Parodi-I, Maria Eugenia Petit-Breuilh*, Steve Porter, Guido Salas, Cindy Stine, Gerhard Wörner.

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Atlantic Ocean Klaus Mehl*, Dick Moore*, Paco Pérez, Steve Self.

Antarctica Phil Kyle, Wes LeMasurier.

Over the years, the GVP has been supported within the Smithsonian's Department of Mineral Sciences during the successive terms of chairs Brian Mason, Bill Melson, Dan Appleman, Jeff Post, Glen MacPherson, Jim Luhr, Sorena Sorensen, and Tim McCoy. This project ultimately dates back to 1971, when Barbara Radovich, working as a Smithsonian student intern under the direction of Bill Melson, outlined the basic framework of the data file. Many in the Department of Mineral Sciences participated in the initial entry of data from the Catalog of Active Volcanoes of the World (CAVW), the Smithsonian Center for Short-Lived Phenomena, and independent data sets kindly supplied by John Latter, Bob Decker, and Fred Mauk.

Our first Information Technology (IT) specialists, Jon Dehn and Tom Stein, facilitated our mainframe database migration to the desktop environment, giving greater control over content and output. Their successor, Roland Pool, played a critical and time-consuming role in the full spectrum of production of the 2nd edition at a time when IT resources were considerably less robust than today. He furthermore spearheaded the migration of our database from the Pick operating system to Paradox, with late assistance from Genyong Peng. Additional IT assistance during preparation of the 2nd edition was welcomed from Ed Venzke and Genyong Peng of GVP, Dan Cole of our museum's GIS center, and Ken McCormick of the Smithsonian's main IT center; interns Scott Chaney and Pavan Khoobchandani provided help with regional maps.

The essential contributions of GVN Bulletin editors Lindsay McClelland, Ed Venzke, and Rick Wunderman through the years deserve special thanks for seeking out the new eruption information that helps build our record. McClelland led SEAN/GVN for 17 years, and Wunderman has now done so for an equal amount of time. This group has included David Squires, Elizabeth Nielsen, Marge Summers, Lisa Wainger, Katherine Duncker Romanak, Genyong Peng, David Lescin-

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sky, and Tom Murray (on detail from the Cascades Volcano Observatory before becoming Scientist-in-Charge of the Alaska Volcano Observatory). A host of additional short-term employees and interns (both short and long-term) have also been essential in contributing to the monthly Bulletins, and we acknowledge their critical contributions in the "About GVP" section of our website. Gari Mayberry and Sally Kuhn Sennert have written the Weekly Volcanic Activity Reports over the past decade in a collaborative program with the USGS Volcano Hazards Program initiated by Marianne Guffanti, a long-term USGS colleague of GVP. Rick Wunderman also continues to play a major role in interactions with the volcano and aviation communities in response to volcanic ash and aviation safety issues. In addition to Bulletin work, Ed Venzke has spearheaded efforts to make Bulletin reports and our broader volcano data widely available on the GVP website. Translation assistance throughout the years has come from Virginia Wong, Boris Behncke, Cheerie Magalit, Gene Jarosewich, Joe Nelen, Luigi Mancini, Liudmila Eichelberger, and Russell Ross, in addition to several already named under the region headings above.

Additional Smithsonian colleagues have helped make this and earlier editions of this book a reality. First among these is Ellen Thurnau, who has solved and prevented a host of administrative problems over the years. A succession of archivists (Elizabeth Nielsen, Courtenay Wilkerson, Julia Lewis, and currently Stacia Largen) have organized resources on which we all draw. We also acknowledge the many Smithsonian co-workers who contributed to the first edition. These include Mary McGuigan, Geneva McClain and Edna Montford (for years of typing and keypunching), Cindy Hilmoe (map draft), Ken McCormick (computer graphics), Peter Kauslick (bibliographic programming), David Bridge and Kim Clark (database programming), Kathy Auer and Daphne Ross (literature review and other tasks), and over the term of all three editions, our museum library staff (for tracking down obscure references).

Curatorial colleagues in the department's Petrology and Volcanology Division, Dick Fiske, Jim Luhr, Bill Melson, and Sorena Sorensen, have contributed advice and encouragement. More distant colleagues Chris Newhall, Wally Johnson, John Latter, Bob Smith, and Grant Heiken have given us thoughtful, helpful counsel on the database through most of its life. Russell Blong instigated, and contributed importantly to, the initial version of the Fatality table. Visiting historian Howard Plotkin helpfully reviewed the historical content of regional Directory text.

We also owe thanks to the families of Maurice and Katia Krafft for facilitating access to the Krafft's magnificent collections after their tragic deaths at Unzen volcano. Maurice and Katia contributed substantively to the first two editions of this book by their reports and published work, and the welcome addition of their illustrations here, as in previous editions, is a small measure of the large contributions they made to volcanology. We also gratefully acknowledge the many other volcanologists and contributors to our image archive that were the sources of most of the 193 images that convey the breadth of volcanism covered here.

Finally, we ask for your help and offer some in return. Please continue to send us PDFs or reprints, copies of old documents, maps, photographs, specimens, and feedback on how we can improve our record of your favorite volcano. This is surely the best way to build the better record of global volcanism that will benefit us all, and we have valued every communication received. Please keep the information flowing and we will do our best to incorporate it accurately in our database as it grows. In return, we expect to be able to be more responsive to data requests, and will be working to make our data more directly accessible, including more robust search capabilities on our website.

We dedicate this book to two former Directors of the Global Volcanism Program, Jim Luhr (1953–2007) and Tom Simkin (1933–2009). Jim Luhr served as Director of GVP for a dozen years beginning in 1995. Jim was a volcano petrologist known widely in the volcanological community for his painstaking efforts to integrate the petrological context of volcanic rocks with detailed stratigraphic studies of volcanoes around the world, but primarily in México, where his footprints covered much of its volcanic landscape.

Tom Simkin was the founding Director of GVP and its antecedents dating back to 1968 and was Director until 1995. Tom was a pioneer in quantitative volcanology and recognized the utility of applying digital databases to issues of global volcanism. His distinguished career in volcanology spanned four decades and is reflected in his vision for GVP. Tom completed work on the 3rd edition of the This Dynamic Planet map project in retirement and was participating in the early work on this book in emeritus status. Tom was the heart and soul of GVP for many years, and much of his handiwork in the first two editions is reflected in this one.

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Data Criteria and Context

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Introduction

Volcanoes and their eruptions are among the most awe-inspiring expressions of the natural world. Volcanic activity has shaped the history of many different worlds, Earth as well as other planets and moons in our Solar System. Volcanic eruptions have played a major role in the evolution of Earth, creating the first crust of our planet 4.54 billion years ago; degassing of the Earth led to formation of the atmosphere, water, and life itself. Volcanoes provide both a window into the deep Earth, bringing mantle xenoliths to the surface, and explosive eruptions that impact the atmosphere above the Earth. These fundamental processes continue today: volcanic eruptions add new land to the Earth's surface, submersible expeditions have documented ongoing eruptions on the deep sea floor, and large-volume explosive eruptions produce ash and aerosols that transit the globe.

Violent volcanic eruptions can cause widespread destruction. However, volcanoes also benefit mankind by providing rich agricultural soils, geothermal heat, economically valuable ore deposits and construction materials, as well as some of our planet's most spectacular and beautiful terrain. Volcanoes have fascinated humans from time immemorial, and the study of volcanic phenomena has a rich history (Krafft, 1993; Sigurdsson, 1999; and Table 1). We present here the results of more than four decades of data compilation on the world's volcanoes and their eruptions by the Smithsonian's Global Volcanism Program (GVP), which resides in the National Museum of Natural History.

This introductory chapter discusses the column headings of our data tables (printed here in mixed-case bold letters, e.g., **Status**), the standardized data elements used in the tables (bold letters within quotation marks, e.g., "**Historical;**" sometimes in red for emphasis), and the guidelines that we have followed in building the data file. Use of all-capital bold letters identifies the main data tables of the book and text section titles (e.g., **DIRECTORY, PREVIOUS SUMMARIES**).

We have attempted to leaven this discussion and later regional summaries with some of the more interesting examples from the volcanological record, incorporating data through late 2009 and summary statistics that might both help readers searching for data on specific manifestations of volcanism and help place these data in the context of global volcanism. Volcanology textbooks (e.g., Macdonald, 1972; Williams and McBirney, 1979; Marti and Aranja, 1993; Sigurdsson et al., 2000; Francis and Oppenheimer, 2003; Schmincke, 2004; Decker and Decker, 2005) provide valuable background, but we have here included brief explanations of some additional subjects, such as age-dating techniques, essential to our tables yet not covered in most volcanology texts. Our extensive volcano image archive illustrates more sections of this book than in previous editions, including a color plate section. Photos by Smithsonian and international volcanologists, as well as others who have graciously contributed to our archive of more than 23,000 photos, depict many of the volcano types and eruptive processes discussed here and illustrate both renowned and more obscure volcanoes. We conclude with some comments on the nature of the historical record, cautions on use of the data set, and discussion of some insights these data provide about Earth's volcanism.

PREVIOUS SUMMARIES

Volcano lists go back nearly 2000 years. Pliny the Elder's renowned *Natural History*, finished two years before his death in the famous 79 AD eruption of Vesuvius, mentioned Etna, Lipari, and volcanoes in East Africa, Turkey, and the Middle East. The geographer Varenius (Bernhard Varen) published a list in 1650 that was brief (Table 1) but notable for containing representatives of most major volcanic regions known today. Nineteenth century publications, including two volumes each by Scrope and Daubeney, expanded the number of known volcanoes and eruptions. Quantitative volcano documentation took a quantum leap in the early 20th century with the compilations of German volcanologists Karl Schneider and Karl Sapper, who added systematic eruption data (including indicators of eruption magnitude) while doubling the number of recognized active volcanoes. Since Sapper's compilations, the major growth has been geological rather than historical, as field investigations have recognized more and more volcanoes with obviously recent, but usually not historical, activity.

In the years following World War II, volcano catalogs took another major leap with the onset of the International Association of Volcanology and Chemistry of the Earth's

REFERENCE	DATE	PAGES	VOLCANOES WITH DATED ERUPTIONS	ALL "RECENT" VOLCANOES	DATED ERUPTIONS
Varenius	1650	3	5	27	5
Scrope-I	1825	16	150	194	86
Daubeney-I	1826	466	33	73	130
von Hoff	1841	876	52	341	56
Daubeny-II	1848	743	85	247	275
Landgrebe	1855	949	133	320	269
Scrope-II	1862	171	191	217	214
Fuchs	1865	82	270	672	-
Humboldt	1869	237	225	407	?
Mercalli	1907	90	231	415	-
Schneider	1911	176	298	367	1440
Sapper-I	1917	297	430	486	2039
Sapper-II	1927	58	436	971	2428
CAVW	1951-75	2139	441	714	3542
Katsui (ed.)	1971	160	527	829	-
Macdonald	1972	20	516	735	-
Gushchenko	1979	474	609	933	5150
Smithsonian-I	1981	76	627	1343	5564
Smithsonian-II	1994	125	719	1511	7886
Smithsonian-III	2010	165	858	1545	10,415

Table 1. Growth of global volcanic data. Variable definitions of both "volcano" and "eruption" preclude close comparisons. Page totals are for volcano data, not full reference. Sapper-II data for recent volcanoes include those plotted on maps but not mentioned in text. Pleistocene volcanoes with continuing thermal activity included with Holocene volcanoes in our 2nd edition are not included here.

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Interior (IAVCEI) Catalog series described below and, in the 1960s, regular annual reporting of volcanic activity around the world initiated by the Volcanological Society of Japan. These catalogs were the invaluable building blocks of later Smithsonian compilations.

Although the value of a standardized global volcano catalog compiled by regional specialists had been recognized by volcanologists as early as during the 1922 meeting of the International Union of Geodesy and Geophysics (IUGG) in Rome, it was not until after World War II that a catalog format was accepted. The first volume of the *Catalog of Active Volcanoes of the World* (hereinafter *CAVW*) was published in 1951, and the current set of 22 volumes has been an invaluable reference source for volcanologists as well as the initial source of data for our file. A compilation for Alaska (Miller et al., 1998) was published by the U.S. Geological Survey, and an unpublished draft of the Iceland catalog was compiled by Steinthorsson et al. (2002). We have not attempted to digitize the full *CAVW*, but we have largely retained its regional numbering system and have also used many other organizational elements of the *CAVW* as the basic format for our digital file.

By 1960, nearly half of the regional *CAVW* volumes had been published, but new eruptions were quickly making the earlier volumes out of date. Consequently, the catalog organizers met at the IUGG meeting in Helsinki that year and implemented a *Bulletin of Volcanic Eruptions* to cover global volcanism on an annual basis. These bulletins, produced by the Volcanological Society of Japan since 1960 and published until 1996 in the IAVCEI journal *Bulletin of Volcanology*, were based on thorough enquiries to individual volcanologists around the world and normally appeared several years after the eruptions that they reported.

In an effort to gain faster reporting of volcanic (and other) natural events, the Smithsonian *Center for Short-Lived Phenomena* (CSLP) was founded in 1968 in Cambridge, Massachusetts. Individual event cards were generated shortly after learning of an event, and a worldwide network of correspondents was developed. In 1975, the CSLP was reconstituted as the *Scientific Event Alert Network* (SEAN) at the National Museum of Natural History in Washington, D.C., with a substantially revised emphasis on the types of events being reported. From October of 1975 through 1989, a monthly *SEAN Bulletin* was published for its correspondents, and the first 10 years of reporting was reorganized and indexed in book form (McClelland et al., 1989). By the end of 1989, SEAN had nearly ceased reporting non-volcanological events, and its name was changed to *Global Volcanism Network* (GVN) to better reflect its work. Monthly reporting continued unchanged, but under the name of the *GVN Bulletin*. From 1977 to 1999 the Smithsonian summarized these monthly reports in *Geotimes*, the monthly journal of the American Geological Institute, and since 1986 in the IAVCEI journal *Bulletin of Volcanology* (itself the subject of a name change, from *Bulletin Volcanologique*, in 1986). The GVN Bulletin is also posted electronically on the Smithsonian's GVP website (www.volcano.si.edu) and on Arizona State University's volcano email list (volcano@asu.edu).

Since the publication of the first two editions of this book, expansion of web-based technologies has allowed much broader dissemination of scientific data. Recognizing the value of timelier reporting of volcanic activity, the U.S. Geological Survey and the Smithsonian have collaborated in producing Weekly Volcanic Activity Reports of volcanic activity and unrest that are posted on the GVP website and available using automated RSS feeds.

Any compilation of dynamic data streams such as volcanoes and their eruptions is by definition dated by the time of publication. Much of the data in this 3rd edition of *Volcanoes of the World* are also available on the GVP website (Siebert and Simkin, 2002-), and readers of this volume are referred there (www.volcano.si.edu/gvp/world/) to see the most current data. Smithsonian volcano data are also accessible in volcano layers on *Google Earth* and *Google Maps*, which allow map-driven access to information on individual volcanoes.

SOURCES

The above sources–the *Catalog of Active Volcanoes*, the *Bulletin of Volcanic Eruptions*, and the Smithsonian *SEAN-GVN Bulletin*–have been the basic building blocks of our data file. In addition, several other global compilations have been helpful: among them are IAVCEI data sheets of Post-Miocene volcanoes (1973-80); Gustav Hantke's papers covering the period 1937-1959; *Volcano Letter* reports from 1926-55 (Fiske et al., 1987); the Newhall and Dzurisin (1988) caldera monograph; and the independent compilations of Latter (1975) and Gushchenko (1979). A number of volcanoes from these compilations have not been included here, however, either because of direct evidence against, or insufficiently strong evidence for, eruptive activity during the last 10,000 years (see discussion of **Status** on p. 15-16). We have added information new to us and attempted to cover name (or grouping) differences in our **GAZETTEER**. Specific volcano or eruption descriptions from the scientific literature have been incorporated and these, plus broader global summaries such as those mentioned above, are listed in the **REFERENCES** at the end of this volume.

We emphasize that our search of the voluminous and ever expanding literature on volcanism is by no means complete, but it benefits from the invaluable assistance of the reviewers acknowledged in the Preface and the many readers of our first two editions who have kindly called specific papers to our attention and otherwise improved our database.

YEARS COVERED

The primary focus of this compilation is on volcanoes likely to have been active in Holocene, or Recent, time–the geologic terms for postglacial or post-Pleistocene time. Almost all compilers of the *CAVW* limited their coverage to historical time, but we extended our coverage to allow more equal treatment for regions where the historical record spans only a few hundred years, and further to cover the Holocene. Major eruptions may be separated by thousands of years, and postglacial time is often a convenient limit of volcanic history in higher latitudes where evidence of Pleistocene glaciation is clear. The

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Pleistocene/Holocene boundary (Fairbridge, 1968) was defined as 10,000 years Before Present (BP) at the 1969 International Union for Quaternary Research (INQUA) Congress. More recent work with precise tree-ring chronologies has confirmed the 10,000 ^{14}C year boundary (Becker et al., 1991; see also Harland et al., 1989), and we use it as the time period covered by our data file. Note, however, that conversion of radiocarbon dates (measured in years BP from 1950) to calendar years results in some dates earlier than 8000 BC, which we have included.

Although only 21% of the eruptions listed in this compilation are older than 2000 years, they form an important and rapidly growing part of our file. Between the first and current editions of this book, the number of BC dates increased by more than a factor of 13, from 166 to 2221, reflecting the growth of detailed stratigraphic studies essential to determine the eruptive history of Earth's volcanoes.

Because of the lack of widespread prehistoric dating of recent volcanism, nearly half of the Holocene volcanoes listed here have no dated eruption. Most of these volcanoes are listed because they show clear evidence of eruption(s) within the last few thousand years (e.g., uneroded volcanic ash cones, eruptive products overlying young glacial debris, young unvegetated lava flows in regions where revegetation should be rapid). However, we have also followed the compilers of the *CAVW* in including volcanoes now in the fumarolic stage. These volcanoes are without (to this point) specifically dated Holocene eruptions, but volcanic gas or fumes signal either a pause between eruptions or residual degassing of a volcano that has not erupted for many thousands of years.

Finally, we have included volcanoes in our Holocene listing for which Holocene activity is only uncertain. At some volcanoes it has not been possible to determine whether eruptive activity ceased in the very latest Pleistocene, or the early Holocene, but we have attempted to clarify that uncertainty under both **Status** and date headings.

The distinction between volcanoes that last erupted during the early Holocene and those that ceased activity during the latest Pleistocene, however, is not volcanologically significant. Smith and Leudke (1984) pointed out that terrestrial volcanoes may be intermittently active over 10 million years; studies of the ocean floor suggest that individual volcanoes may remain active for 20 million years (Menard, 1969); and the IAVCEI data sheet project set a post-Miocene (approximately 5.3 million years) limit in order to capture all volcanoes that might still be active. The 10,000 years time frame clearly does not include all active volcanoes, and we thus have begun expanding our coverage into the Pleistocene (the last 1.8 million years). Because of the varying completeness of the Holocene and Pleistocene data, we present them here in separate tables.

Mud volcanoes, which reach diameters of 2½ km in Alaska (Reitsema, 1979) have been included by some volcanological compilers, but are excluded by us. Some mud-volcano eruptions, such as the 1951 California event that distributed fine debris over 6 km from the source (White, 1955), take place in hot spring areas, but their cause has no direct relation to new volcanic magma, and most mud volcanoes, in fact, result from methane generation in thick sequences of Cenozoic sediments distant from regions of true volcanism (Hedberg, 1974).

MAPS and REGIONAL NUMBERING SCHEME

World maps on the inside covers introduce the regional numbering scheme used throughout the book for both sequencing and cross-referencing, and each region is introduced in the **DIRECTORY** by detailed maps showing the relative positions of individual volcanoes. These maps serve as visual indexes to the volume. The numbering system, developed by the *CAVW* in the late 1930s and used in all catalogs, is geographic and hierarchical. The first two numerals identify region, the next two identify subregion, and the last two or three (after the hyphen) identify individual volcanoes in that subregion. Original *CAVW* volcano numbers have been retained, where possible, to aid cross-referencing, but this has required, for the many volcanoes added since *CAVW* publication, the interpolation of 3-digit volcano numbers between 2-digit-plus-equal-sign *CAVW* numbers. This potentially confusing practice is discussed below (p. 15), but readers are alerted to it here at the start. Our **DIRECTORY** is sequenced by volcano numbers for easy location on maps and allowing cross-referencing to other tables, such as the **CHRONOLOGY and GAZETTEER**. The regional numbers generally proceed east and south from Europe through the Indian Ocean and then across to New Zealand, beginning a clockwise circle around the Pacific margin, and ending with the Atlantic and Antarctic regions.

We have assigned new subregion numbers where the *CAVW* has no listings and have renumbered subregions in some areas, such as the western United States and Canada, where work of recent decades has increased the number of recognized Holocene volcanoes from the 12 listed in the 1960 *CAVW* compilation to the 78 listed here. We have also expanded several regions to cover volcanoes not listed by the *CAVW*. For example, region 05 (Melanesia) now includes Holocene volcanism in Australia, region 10 includes newly recognized Holocene centers in Mainland Asia, region 13 (Hawaii) has been widened to include most of the Pacific Ocean (not already included by the *CAVW* in other regions), and region 17 (Iceland) has been expanded to include the Arctic Ocean. We have substantially renumbered volcanoes in several regions since our first edition, particularly in Iceland and New Zealand where work with regional specialists has provided simplification based on the concept of volcano systems. Additional discussion of this and other aspects of volcano numbers follows on p. 15.

Red symbols give some indication of each volcano's activity status as well as location. For the detailed maps in the **DIRECTORY**, the 590 volcanoes with known eruptions since 1500 AD are shown by solid triangles with black outlines; 162 with earlier AD eruptions by solid triangles, and 541 with BC or undated Holocene eruptions by open triangles. For this latter group (often identified by uneroded, youthful cones or fresh, unvegetated lava flows), the lack of dated eruptions

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generally reflects a weak historical record rather than a lack of geologically recent volcanism.

The final group, the 243 locations marked by very small open triangles, represent distinctly less certain activity during the last 10,000 years. These include questionable submarine eruptions and other accounts of doubtful reliability, plus the fumarolic fields that are included in the *CAVW* as evidence of late-stage volcanic development. This group is made up of volcanoes in our "*Uncertain*" status (including those for which the only dated eruptions are questionable), and those for which our volcano **Type** designation is no more than a thermal feature (such as fumarolic field or hydrothermal region). On the inside back cover map, all volcanoes with dated eruptions are shown by one symbol and probable Holocene volcanoes without explicitly dated eruptions by another.

We chose the volcano categories (increasingly long time periods since the last known eruption) because unusually long periods of volcanic quiet are often ended by unusually violent eruptions, and this symbol convention helps identify volcanoes that have been apparently quiet for long periods of time. Volcanoes are also quiet, of course, when they are dead, and there is no simple means of distinguishing dormant from extinct volcanoes.

The maps introducing each region in the **DIRECTORY** are designed to show the relative positions of every volcano at a level of detail not possible in the world map. In addition to volcano information in red, political boundaries are shown and capital cities are named for volcano nations, along with selected major cities, often with populations exceeding 1 million. Names are entered for all volcanoes having: (1) confirmed eruptions since 1500 AD; (2) ≥10 dated eruptions; (3) eruption(s) with VEI ≥4 or producing ≥1 km³ of lava; (4) fatal eruptions or recent evacuations; (5) Holocene volcanoes with documented Pleistocene eruptions producing ≥1km³ of lava or tephra, discussion in this text; or (6) other noteworthy characteristics. Volcanoes in adjacent regions are shown by smaller gray triangles (without age distinctions).

Readers wishing a larger world map of volcanoes might be interested in the *This Dynamic Planet* produced by the U.S. Geological Survey in collaboration with the Smithsonian and the U.S. Naval Research Lab (Simkin et al., 2006). This wall map uses similar volcano symbols as those in the detailed **DIRECTORY** maps here, but also shows tectonic features, seismicity, and impact craters. The bathymetric and topographic base and plate boundary data of this map are also used for the regional maps in the **DIRECTORY** and the maps on the inside covers of this book. Our volcano data also appear on a three-series Plate Tectonics, Geodynamics, & Hazards map set published beginning in 1981 by the Circum-Pacific Map Project. These maps and *This Dynamic Planet* map are available from the U.S. Geological Survey, Map Distribution, Box 25256, Federal Center, Denver, CO 80225 (1-800-USA-MAPS). An interactive on-line version of the *This Dynamic Planet* map can be accessed through the GVP website (mineralsciences.si.edu/tdpmap/).

Smithsonian volcano data can also be seen on the interactive global satellite imagery of *Google Earth* and *Google Maps*. Users can zoom in and click on icons of about 1300 Holocene volcanoes (excluding those with uncertain **Status**) to see brief geologic summaries, photos, and links to our website for more detailed information, including current eruption chronologies.

Data Table Summaries

The content and formats for the 7 data tables that make up most of this book are briefly summarized below. The many codes and abbreviations used in the tables also appear on the inside front cover and on the opening pages of each section for easy reference. These data table summaries are followed by introductory text beginning on page 8 discussing the volcano and eruption data in more detail in sequence of the column headings used in the tables.

DIRECTORY

This section, the largest in the book, is basically a condensed and updated version of the *CAVW*, but with its time frame expanded to 10,000 years. We have compressed the geographic data, morphology, activity status, and known eruptive history of 1545 volcanoes into 165 pages of tables. Such an attempt suffers from a very uneven historical record, inconsistent use of important terms ("volcano," "eruption"), and the many uncertainties of reducing subjective, human accounts to a rigid, tabular format. Although it must be recognized as an inescapably incomplete record, we provide it as a summary and guide to the literature for all readers interested in volcanism. As we found after publishing the first two editions, such readers supply additions and corrections that can be incorporated to provide more accurate and complete future editions of this work.

Maps introduce each region, along with a few words about its history, tectonic setting, geography, and noteworthy volcanological features to provide context for the records that follow. The following references were particularly helpful: Fernandez-Armesto (1991); Schnauble (1993); Trager (1992); Webster's New Geographical Dictionary (1988); Wright (1993). Differences between the robustness of the volcanological record of regions are often large, and the aim of these brief introductions is to increase appreciation for the strengths and weaknesses of each regional data set.

The **DIRECTORY** consists of a single line of information for each volcano and another for each known Holocene eruption. The basic geographical and geological data for each volcano are arranged in columns on a single line, and they are sequenced regionally by volcano number (see maps and discussion of numbering system on p. 15).

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Under each volcano, dated eruptions are chronologically summarized, including the book's only coverage of eruptive characteristics. The **DIRECTORY** thus provides a concise summary of the known eruptive history for each volcano and region. Discussion of the conventions used and information shown will follow under the main sections **VOLCANO DATA** and **ERUPTION DATA** (p. 8-31).

CHRONOLOGY

This section arranges all 10,415 eruptions in a chronological sequence by **START** date **(YEAR M-Dy)**, displaying all volcanism known to have taken place in each year. The record begins with a few eruptions older than 8000 BC (because of the 10,000 BP radiocarbon years as discussed above) and ends with the first day of 2010. For any given year, those eruptions known to be continuing from the previous year are listed first (sequenced by volcano number). These are followed by eruptions known only to have taken place sometime during the year (also sequenced by volcano number), and finally by eruptions starting in a known month or day. However, attention must be paid, particularly with older dates, to the uncertainty code (p. 19-20) and to the uncorrected radiocarbon dates (p. 21-22). An eruption listed simply as "seventeenth century" will be shown only *once* as "1650t" (1650 ± 50 years), and radiocarbon dates preceded by "C" may be as much as 900 years from the true calendar date.

When the date of an eruption's end is known, we have displayed the **Duration** (in days), but for the 7% of all eruptions exceeding ~999 days we have simply listed "**>3yr**." **VOLCANO NAME** is then listed, followed by **Subregion** name (truncated after some longer names). **NUMBER** allows cross-reference to map or directory, for additional information, and both **VEI** and volume data (**Vol-L/T**) indicate eruption size. When more than one **VEI** is assigned for an eruption, as for a paroxysmal explosion following the onset of the eruption, the two dates appear separately in chronologic sequence. Thus the catastrophic eruption of Tambora in Indonesia appears on April 5, 1815, but the eruption's start is also entered in 1812, and its continuing lower-level activity is noted for 1813 and 1814. The renowned 1980 eruption of Mount St. Helens is listed for its March 27 start, its May 18 paroxysmal eruption, and 5 subsequent events that produced ash cloud heights of 13 km or more.

Art work and photographs are interspersed through the **CHRONOLOGY** to illustrate eruptions and show the processes and features treated in the book. Their sequence attempts to convey a sense of history, as a reminder that our record of volcanism is largely a human record and, as such, is subject to many shortcomings.

LARGE-VOLUME HOLOCENE ERUPTIONS

There is substantial interest in the larger-volume eruptions that have affected our planet. This section highlights those eruptions, both explosive and effusive, in separate tables. The **Explosive Eruptions** table includes all Holocene explosive eruptions with a **VEI** of 4 or larger (≥0.1 km^3 of tephra). Data are shown in the same format as in the **CHRONOLOGY** tables, except that only dates of eruptive events of VEI 4 or larger are displayed, whenever they may occur during the course of an eruption. The start date of an eruption is displayed only when there is a single VEI assignment for the full eruption. The associated data for the eruption duration and the lava volume, however, are for the full eruption. This gives context for the eruption as a whole, while noting the magnitude (VEI and tephra volume) of the sometimes more specifically dated explosive event. Thus the **VEI** 7 eruption of Tambora volcano, the largest in historical time, appears only under its April 10, 1815 date, but the **Duration** column indicates that the eruption lasted for more than three years. As with the **DIRECTORY** and **CHRONOLOGY** tables, explosive eruptions without tephra volumes that are described as "plinian" or caldera-forming are shown with a "P" or "C," respectively, in the **VEI** column.

The ensuing **Effusive Eruptions** table includes all eruptions producing ≥0.1 km^3 (or 10^8 m^3) of lava. In contrast to the **Explosive Eruptions** table, all data in the **Effusive Eruptions** table, including the eruption duration, VEI, and lava and tephra volumes, provide context for the eruption as a whole and are listed under the start date of the eruption. This means that the lava volume, even for long-duration eruptions, is applied to the first year of the eruption. The compound Santiaguito lava dome at Santa María volcano in Guatemala, for example, still in eruption after almost 90 years, has now produced more than 1 km^3 of lava, but its lava volume of 9 (10^9 m^3) appears only with its 1922 start date.

As with the **CHRONOLOGY** listing discussed above, it must be emphasized that these "Large Eruption" tables include dates with large dating uncertainties and incorporate both corrected and uncorrected radiocarbon dates (discussed in more detail later under **Dating Technique**). Consequently, events do not always appear in strict chronological sequence. It must also be noted that these tables are clearly substantially incomplete, as deposits of many Holocene eruptions have not been studied in sufficient detail to determine their volumes.

FATALITIES and EVACUATIONS

Volcanic hazards have received increased attention in the past decades (Blong, 1984; Latter, 1989; UNDRO, 1985; Scarpa and Tilling, 1989; Tilling, 1989). Because of widespread interest in the subject, we include here an extended table of all known fatal eruptions (see also Tanguy et al., 1998; Simkin et al., 2001; Witham, 2005). These tragic events carry important lessons to everyone who is (or should be) concerned with volcanoes, and their sobering toll gives these lessons a power not found in more theoretical treatments.

The fatality table is arranged in the sequence of the preceding **DIRECTORY**. Volcano name (and number) is followed by entries for each fatal eruption, carrying date (**YEAR M-Dy**), number of **Deaths**, the proportion that can be assigned to principal **Agents** or causes, and **Remarks**, a free-form description of the event. For cross-referencing to other

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parts of the book, both volcano number and eruption **Start date** are shown. More detailed descriptions of table elements appear in a box immediately preceding the table (p 330).

Fatalities have been recorded from nearly 400 eruptions, with the most deadly being the roughly 60,000 estimated fatalities from the 1815 Tambora eruption. Large numbers of people live in proximity to active volcanoes, and three densely populated countries on the western side of the Pacific Ring of Fire (Indonesia, the Philippines, and Japan) account for half of the pages in this fatality listing.

A fatality table, however, places unfair emphasis on the negative side of volcano hazard work. Increased understanding of, and attention to, volcanic hazards in recent decades has resulted in many successful evacuations and the saving of thousands of lives. Therefore, we follow the fatality table with a shorter listing of known evacuations since 1975. This covers the time period of regular Smithsonian reporting by SEAN and GVN. The number of evacuees is accompanied by the number of fatalities and the type of volcanic activity causing the fatalities or evacuations. Since 1975, more than 150 eruptions, averaging 4 to 5 per year, have documented evacuations; the many eruptions during this interval with no fatalities underscore the success of evacuation efforts.

PRELIMINARY LIST of PLEISTOCENE VOLCANOES

The focus of the volcano data in the first two editions of this book has been on Holocene volcanoes. However, increasingly detailed field studies of volcanoes have shown that they can remain dormant for very long periods of time, even beyond the 10,000 year period of the Holocene, and then resume eruptive activity. This complicates considerations of volcanic hazards, and we have begun to expand our data into the Pleistocene to allow coverage of a broader period of volcanism. This significantly enlarges the time span covered from 10,000 years to 1.81 million years, the Pliocene/Pleistocene boundary as defined by dating of deep-water marine strata exposed in Italy (Van Couvering, 2004).

Obtaining representative global coverage for the entire Pleistocene will be a long-term project, and we have emphasized the very preliminary nature of these data in the title of this section. One of early building blocks was a compilation on *Post-Miocene Volcanoes of the World* (IAVCEI, 1973-80). These data sheets have been supplemented by many papers from the scientific literature, but the coverage is regionally quite variable. For some regions, such as Japan (Nakano et al., 2001-) and the West Indies (Lindsay et al., 2005), volcanologists have compiled comprehensive lists of Quaternary volcanoes, but in many other regions only a small percentage of Pleistocene volcanoes are listed. For this reason we have not integrated Pleistocene volcanoes with our Holocene listing to avoid creating the impression that regional volcano listings are of comparable completeness.

In the first two editions of this book, we included some Pleistocene volcanoes with continuing vigorous thermal activity, such as Long Valley and Valles calderas, in the Holocene list. Expansion of data into the Pleistocene has now allowed us to move these volcanoes into their proper Pleistocene category. This has dropped the total number of volcanoes in the Holocene listing from 1587 to the 1545 listed here, but the Pleistocene thermal activity is still noted in the Pleistocene volcano listing. Detailed field studies since the 2nd edition have demonstrated that some volcanoes thought to have erupted during the Holocene actually ceased eruption during the late Pleistocene. This is particularly the case in arid regions, where weathering processes are slowed, and apparently youthful volcanoes have been found to be inactive since the late Pleistocene. Some familiar volcanoes, such as Amboy and Capulin in the SW United States, which would otherwise have disappeared from this compilation, can now be found in the Pleistocene volcano listing and also appear in the **GAZETTEER**.

PRELIMINARY LIST of LARGE-VOLUME PLEISTOCENE ERUPTIONS

The recognition of global-scale impacts of large-volume eruptions has promoted interest in expanding documentation of these eruptions into the Pleistocene. Compilation of these data was begun independently at the Smithsonian and has continued as a collaborative "Volcano Global Risk Identification and Analysis" project (VOGRIPA) with Steve Sparks of Bristol University and colleagues to assess the impact of large-volume eruptions. This list partially mirrors that of the **LARGE-VOLUME HOLOCENE ERUPTIONS**, but has a higher threshold of **VEI** 5 for explosive eruptions (≥1 km³ of tephra) or effusive eruptions that produced ≥1 km³ of lava. Data are listed chronologically, first in thousands of years (ka) Before Present and then in millions of years (Ma) Before Present. Thus 22.6 ka = 22,600 years BP, and 0.58 Ma = 580,000 years BP. We include eruptions dated as early as the beginning of the Pleistocene (1.81 million years).

We have included all Pleistocene eruptions known to us that meet the criteria of being dated, either explicitly or within a reasonable stratigraphic range (the latter are flagged by an "*"), and have an estimated volume for either tephra ejection or lava effusion in excess of 1 km³. There are two exceptions: one is that explosive eruptions known to have resulted in caldera formation, but without a volume calculation, are included with a **C** in the **VEI** field; the other is that we have included some eruptions without volume calculations where a VEI value has been assigned by our data source. Unlike in the **CHRONOLOGY**, the dating technique is not listed, but radiocarbon dates appear as uncorrected radiocarbon dates, unless only a corrected date is known (flagged by a "'"). To help identify eruptive units, we have listed their names. References are listed regionally by author(s) and year at the end of the list; full citations can be found in the pertinent regional section of the **REFERENCES** at the end of this book.

Volume calculations can vary significantly depending on the density of thickness measurements and the calculation technique used; we display published volumes, but users

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should be aware that considerable uncertainties are attached to these data. As the table title indicates, this is a preliminary list, and both volumes and dates are subject to change as more detailed studies are conducted.

GAZETTEER

Volcano names are commonly confused by synonyms, official geographic name changes, subsidiary feature names, and the grouping of nearby features in different ways. We have attempted to reduce this confusion by listing alphabetically all 15,872 names in our file, stating their relationship to the 2870 volcano names used here. We have expanded the **GAZETTEER** from the 2nd edition by including Pleistocene volcanoes; these can easily be distinguished from Holocene volcanoes by the absence of a volcano number. Including the names and subsidiary features of both Holocene and Pleistocene volcanoes more than doubles the length of the previous edition **GAZETTEER**. We have attempted to leaven its telephone book appearance by interspersing images of volcanic features with names beginning with each letter of the alphabet.

Names of primary volcanoes are bolded to distinguish them from unbolded subsidiary features and synonyms. The morphologic type of each primary volcano is listed with each mention of it (see detailed description of **TYPE** on p. 14-15). Under its main entry (bolded **NAME** and **NUMBER**) we further identify the primary volcano by listing its total number of certain dated Holocene eruptions, its year of most recent confirmed eruption, and its **STATUS**. Such information can be helpful when choosing between several features with similar names or synonyms (there are, for example, 5 "Ploskys" in Kamchatka, and "Pan de Azucars" in Alaska, Colombia, Ecuador, and the Canary Islands).

Many volcanoes carry words such as "Mount," "Cerro," or "Volcán" before the proper name by which they are uniquely known, and the use of such modifiers is often uncertain or confusing (e.g., "Mount Lassen," "Lassen Peak," or "Lassen volcanic center"). Therefore we have either dropped these frequently used modifiers, or placed them, with comma, behind the proper name (e.g., "Azul, Cerro"), with appropriate cross-references in the **GAZETTEER**.

We have tended to group nearby volcanic vents under one **VOLCANO** entry, following the model of Mauna Loa, Hawaii (where eruptions 50 km from the volcano's summit are clearly linked to it) rather than that of the Canary Islands (where the *CAVW* listed vents separated by only a few kilometers as distinct "volcanoes"). This tendency toward grouping is likely to continue as understanding of regional volcanism increases. In Iceland, for example, the 70 volcanoes of our first edition have been reduced to 33, based on the concept of "volcanic systems" linked by detailed petrologic and tectonic characteristics (Johannesson and Saemundsson, 1998; Jakobsson et al., 2008; Thordarson and Hoskuldsson, 2008). Such changes enhance the value of a gazetteer, linking various volcanic features and the names by which they have been known.

We have not, however, assigned names to unnamed volcanoes based on nearby geographic features. This means that 72 Holocene and 100 Pleistocene volcanoes are listed under "unnamed" (48 of them submarine). Their positions can be determined from geographic coordinates, and more detailed geographic locations are entered in our data file for most. The guide on p. 374 introducing the **GAZETTEER** points out some common alternative spellings that greatly reduce the number of synonyms that we need to list in the **GAZETTEER**.

REFERENCES

The more than 4800 references that are the source documents used in our compilation are arranged by region in the same *CAVW* sequence used in volcano numbering, map, and **DIRECTORY**. This scheme should enable the reader to find references for a specific volcano, group, or eruption, but attention must also be paid to the *CAVW* series and the initial "global" references. Major regional references are highlighted with those words in bold italics at the end of the reference to more easily identify these more comprehensive compilations. Many eruptions subsequent to the *CAVW* date can be found in the global references section at the beginning of the References list and include those by Hantke (to 1959), the Volcanological Society of Japan (1960-1996), and the Smithsonian Institution (since 1968). The other references listed under "global" have been searched for volcanological data not found elsewhere, and the coverage of additional regional references is clear from their titles in most cases. For some we have added clarification in square brackets. References used for each volcano and eruption are entered with the appropriate data in our data file, but we have not attempted to cross-reference all sources in the tabular summaries presented here. Some references are listed because we have added data for a single eruption, but we may not have exhaustively searched the full reference for other possible additions to our file. Users will note that our references do not display special characters, (e.g., diacritical marks, superscripts or subscripts), and we include doi (Digital Object Identifier) citations only for those publications lacking standard volume and page number formats. In contrast to the first two editions, we display references alphabetically within region, rather than chronologically. Users looking for chronological data can find references on our website entry for each volcano.

Although these listings are a helpful guide to the literature for each region, they do not form a definitive bibliography. These are simply the references we have used in entering the data presented here. It is also the case that we have not consulted all the available literature, and our coverage is particularly weak in non-English journals. We urge readers to help us by sending references (reprints or PDF files if possible) of papers that are missing in our listings.

More detailed discussion of individual data elements, and how we have dealt with them, follows. Most section titles are keyed to the headings of the tables described briefly above, and data headings appear in bold-faced letters in the text.

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Volcano Data

One of the most difficult problems of standardization has been the varying usage of the word "volcano." Definitions of "volcano" range from individual vents, measured in meters, through volcanic edifices measured in kilometers or tens of kilometers, to volcanic fields measured in hundreds of kilometers. In a compilation such as this one, the disadvantage of the narrowest definition is not so much the multiplicity of names introduced, as the dismembering of a single volcanic plumbing system's history into apparently unrelated separate records. The interiors of ancient volcanoes, now eroded and exposed for geologic study, show us that most subsurface magma chambers (the suppliers of lavas to overlying volcanoes) can be at least several kilometers in diameter. We also know that many contemporary volcanoes grow by additions from countless flank vents as well as activity at its summit. Consequently, we have tended to group closely spaced "volcanoes" such as the historical vents of the Canary Islands (many listed as separate volcanoes in the *CAVW*) by the major volcanic edifice on which they are located. The names of historical vents are retained under the **Area of activity** heading in the **DIRECTORY** and are alphabetically listed in the **GAZETTEER**. Volcanoes listed here are rarely closer than 10 km to their nearest neighbor, and are commonly separated by at least 20 km (Vogt, 1974).

Another problem is simply the identification of volcanoes. Prominent, steaming cones are easy to recognize, but water, ice, erosion, collapse processes, or dense vegetation can mask very dangerous volcanoes. Lake Taupo, in the center of New Zealand's North Island, is beautifully tranquil, with no obvious features alerting non-geologists to its particularly violent history. In the Alaskan summer of 1975, two volcanologists traced an ever-thickening ash layer to a vent now covered by the Hayes Glacier, and a "new" volcano was added to the NE end of the Aleutian arc (Miller and Smith, 1976). Also in Alaska, 5 decades passed before the true source of the largest eruption of the 20th century was recognized. Subsurface magma connections led to prominent collapse of Mount Katmai in 1912, and this was assumed to be the eruption's source until careful fieldwork showed it to be Katmai's inconspicuous neighbor, Novarupta (Curtis, 1968). These examples illustrate why the listings below must be recognized as incomplete. Inclusion in this compilation may depend on thoroughness of mapping (quite variable through the world's volcanic regions), and the most dangerous volcanoes may be those not yet recognized by compilers.

VOLCANO NAME

With few exceptions, we have used the **VOLCANO NAME** listed by the compilers of the *CAVW*, the contributors to the IAVCEI Post-Miocene data sheets, and individual volcanologists documenting additional volcanoes. We have preferred broader island names, locatable on standard maps, rather than crater names locally used to identify the full island volcano, and we have dropped modifiers, such as "Mount," when they seemed unnecessary. For Japanese volcanoes, we have listed the more widely used Hepburn style of spelling, although all Japanese *CAVW* names appear alphabetically as synonyms in the **GAZETTEER**. We have in a few cases used square brackets, however, to indicate alternative names that are widely encountered in the literature (e.g., "Azul, Cerro [Quizapu]" in Chile). Readers familiar with older spellings of Indonesian names will note that newer official names are used here with the older names appearing as synonyms in the **GAZETTEER**. With the new names, TJ, DJ, J, and OE appear as C, J, Y, and U, respectively.

Unlike the first two editions of this book, we have begun the process of adding special characters to volcano names from other languages. This has not been done systematically for all languages because some characters still elude our database capabilities, but diacritical marks for Spanish-language names, for example, covering a large percentage of the world's volcanic features, have been incorporated. We have also switched to mixed-case names throughout this book, which has increased legibility.

A few names have also been changed from the *CAVW* to reflect the broader time coverage of this compilation. Historically active features that are clearly part of a larger volcanic construct active in Holocene time have been listed under the larger feature. For example, the *CAVW* lists volcano number 0603-31= as Bromo; however, Bromo is but one of several youthful features in Tengger caldera, so we have used the caldera name for 0603-31= and indicated Bromo both as the area of historical activity in the **DIRECTORY** and as a subsidiary feature in the **GAZETTEER**. An extension of the time coverage problem is the volcano grouping issue mentioned above. Amboy, a solitary late Pleistocene cinder cone 200 km east of Los Angeles, is entered as a single volcano, and so is the Michoacán-Guanajuato Field, made up of nearly 1,000 cinder cones dotting a 200 x 200 km area in México (Hasenaka and Carmichael, 1985). Clearly not all "volcanoes" are equal, and caution must be used in any serious tabulation of them.

SUBREGION

A more general geographic location appears in parentheses after the volcano name in all tables. This normally consists of the **Subregion** designated by the *CAVW* compilers (and identified by the third and fourth digits of the *CAVW* volcano number system continued here; see map on inside back cover), but we have added a more general location name where useful for identification. Not all of these locations are fully displayed, some subregion names and a few unusually long volcano names have necessarily been abbreviated. In the **DIRECTORY** (where formal subregions are often clear

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from the regional sequence) we have often substituted a more specific location, such as island name, after the volcano name.

LATITUDE and LONGITUDE

Geographic coordinates are listed in decimal parts of a degree. This facilitates both digital manipulation of data and rapid estimation of distances between points (one degree of latitude being equal to 111 km). To retain some indication of the accuracy of original locations when converting from minutes and seconds, we have listed 3 digits to the right of the decimal point only where seconds were originally specified. We list 2 digits if only degrees and minutes were given in the original (e.g., 71° 41' = 71.68° whereas 71° 41' 01" = 71.684°). Readers should also beware of obviously generalized locations such as X.00° or Y.50°. If different references give different positions for the same volcano, we include each (with references) in the database, attempt to determine which is most reliable, and list that location here. For some regions, where our growing archive of topographic maps permits, we have obtained more precise locations than given in older sources. Maps for the Kuriles and Kamchatka, for example, have permitted correction of deliberately mislocated volcano positions that were a Cold War artifact. An asterisk (*) following the **LAT**itude entry warns the reader that the location is the center point of a broad volcanic field. The absence of an asterisk, however, does not mean that the coordinates given match the eruption site. Tens of kilometers may separate eruptive centers of a single volcano, particularly in large caldera complexes and rift zone settings.

Location data shown here are typically derived directly or indirectly from topographic maps. Regional topographic mapping does not utilize a standardized global datum, or a surface defined as "zero elevation" with respect to local gravity fields. Consequently, the European Datum, North American Datum, and Tokyo Datum, for example, do not provide an integrated global standard. Efforts to provide a world geodetic system to reference elevations and locations to an ellipsoidal model rather than to the geoid began in the 1950s. The current standard World Geodetic System, WGS84, was developed in the early 1980s and is now used by the Global Positioning System (GPS). The discrepancies between regional and global datums can often result in volcano summit locations offset from those on satellite imagery using the World Geodetic System.

Distribution of the world's volcanoes with respect to latitude has gained wide interest because of the relationship between large volcanic eruptions and climate, prompting the generation of climate-related eruption lists (Lamb, 1970; LaMarche and Hirschboeck, 1984). Major explosive eruptions drive volcanic ash and gas tens of kilometers into the

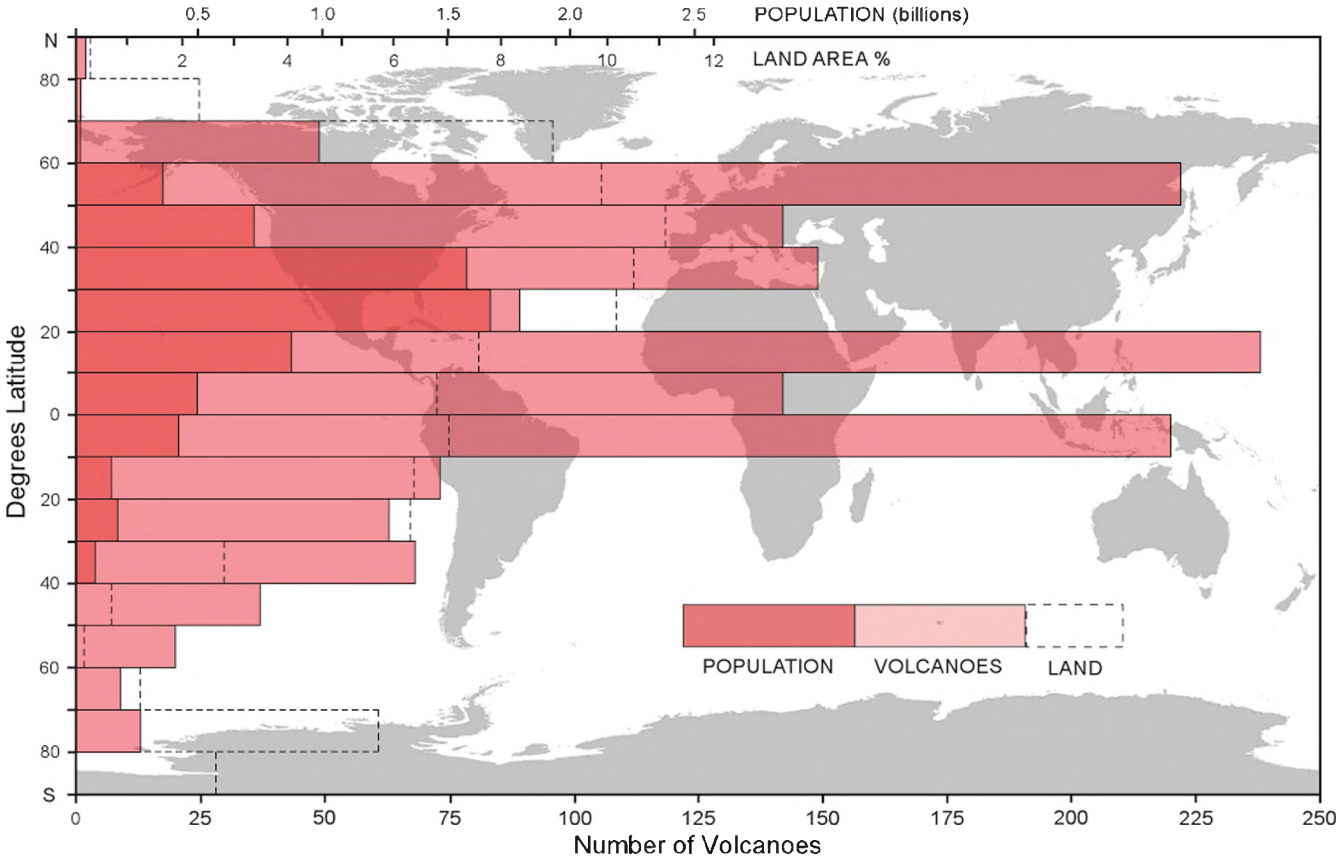

Figure 1. Distribution of known Holocene volcanoes per 10 degrees of latitude. The thin dashed line shows the percentage of land area per 10 degrees of latitude (Kossinna, 1933). Population numbers are 2008 data from LandScan.

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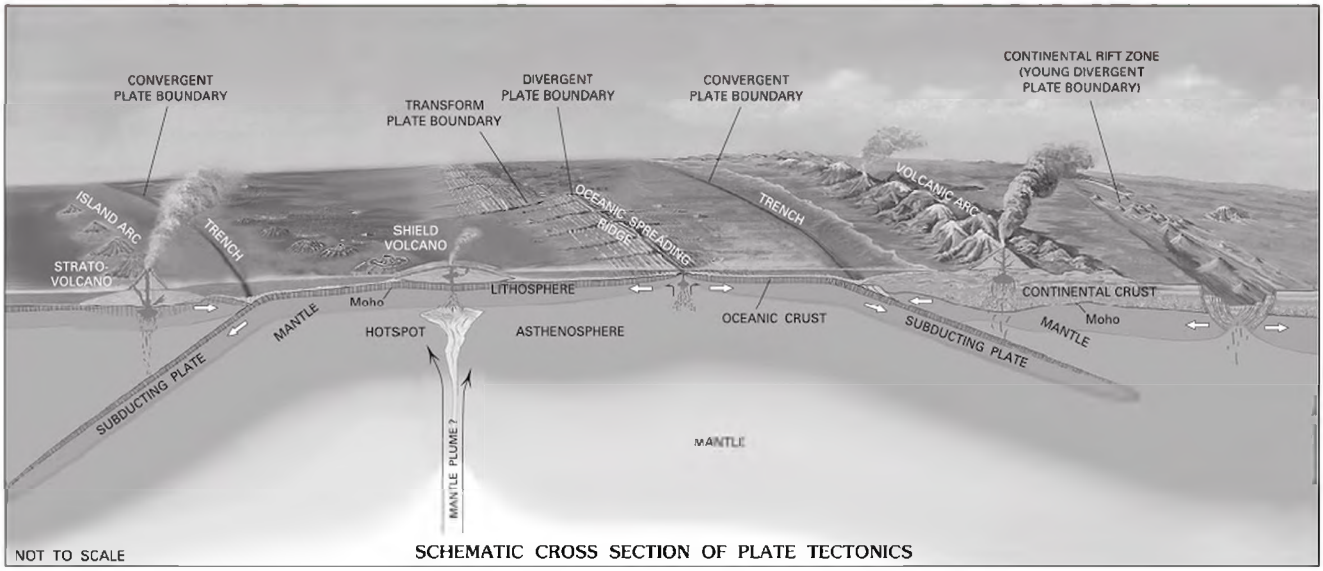

Figure 2. Plate Tectonics: schematic cross-section illustrating processes (modified from Simkin et al., 2006). Artists José F. Vigil and Robert I. Tilling.

stratosphere where, because fine ash and aerosol particles settle slowly and are not washed out by rain, they may be distributed around the globe by stratospheric circulation. For months or years before settling back to Earth, this layer of volcanic aerosol acts as a solar radiation filter, lowering temperatures on the Earth below it. The extent to which this process has affected global climate in the past is a matter of considerable scientific debate (Rampino et al., 1979, 1988; Bryson and Goodman, 1980; Sigurdsson and Laj, 1992; Robock, 1991; Simarski, 1992), but the fact that individual eruptions can affect climate is established. The catastrophic eruption of Indonesia's Tambora in 1815, for example, contributed to a lowering of global temperatures that brought June snow-storms to New England and widespread crop failure to northern latitudes (Stommel and Stommel, 1983; Harington, 1992). The decade of 1810-1819 was the coldest during the past 500 years, and a major eruption from an unknown tropical volcano in 1809 documented in polar ice cores may have contributed to global cooling prior to the 1815 eruption of Tambora and enhanced the effect of that eruption (Cole-Dai et al., 2009).The Earth's rotation strongly influences stratospheric circulation patterns, and therefore any concentration of the world's volcanoes by latitude is important in assessing their effect on global climate.

Figure 1 shows the distribution of the world's known volcanoes by latitude. Two thirds of the volcanoes are in the northern hemisphere and only 19% are between 10° S and the South Pole. The northern hemisphere concentration reflects the fact that two-thirds of the world's land area is also north of the equator, but nevertheless indicates the greater vulnerability of the northern hemisphere to volcanically induced climate change. This potential human impact is greatly exacerbated because 87% of Earth's population resides in the northern hemisphere.

The most northerly volcano in our list is an unnamed submarine volcano in the Arctic Ocean only 192 km from the North Pole. Three eruptions have been attributed to this site. The next most northerly volcano, on Jan Mayen Island and 2104 km from the pole, has been recently quite active with vigorous eruptions in 1970 and early 1985.

The southernmost historically active volcano is Mount Erebus, 1387 km from the South Pole on Ross Island, Antarctica. This volcano was erupting violently when first seen by Ross, in 1841, and is active today with a molten lava lake that has been circulating in its summit crater since at least 1972. Ash layers of probable Holocene age have been found in glaciers adjacent to the many young cinder cones of the Royal Society Range, 80 km closer to the pole, but no eruptions have been dated.

No significant concentration of volcanoes by **LONG**itude is obvious, but nearly 1000 volcanoes (or nearly two-thirds of those listed) lie around the Pacific Ocean margin forming the well known "Ring of Fire." If the Sunda arc of Indonesia, resulting from subduction of Indian Ocean crust NE under the Eurasian Plate, is included, the Ring of Fire figure rises to 70%. Arcuate belts of volcanoes are a striking feature of the planet (see inside cover maps) and they reflect, in most cases, convergence of the major tectonic plates that make up the Earth's outer shell.

These vast plates (Figure 2), moving at speeds of only a few centimeters per year, form a shifting jig-saw puzzle with the major earthquake and volcano belts marking the unrest at plate boundaries (e.g., Cox and Hart, 1986; Sullivan, 1991; Kious and Tilling, 1996). Where plates converge, the more dense plate normally descends beneath the less dense plate, and a line of volcanoes grows above. Because this type of volcanism is normally both explosive and near (if not on) land, where eruptions or their deposits are visible, these roughly two-thirds of known Holocene volcanoes account for more than four-fifths of confirmed Holocene eruptions (Figure 3).

The spreading apart of major plates, however, is characterized by the relatively nonexplosive outpouring of fluid lava and commonly takes place one or more kilometers below sea level. Consequently we have a very incomplete record of this

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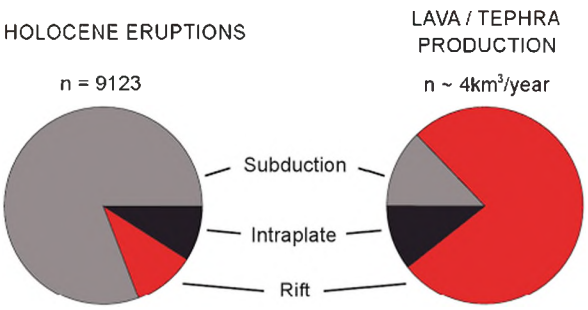

Figure 3. Pie diagrams contrasting the volcanism that we see with that we don't. Left diagram from Smithsonian data shows proportion of confirmed Holocene eruptions from subduction zones, mid-ocean ridges, and hotspot settings. Right diagram (Crisp, 1984), building on earlier work of Nakamura (1974), shows proportion of estimated annual magma budget in the same settings.

important type of volcanism. Rift volcanism forms only about a tenth of our eruption file and is dominated by those few regions, such as East Africa and Iceland, where the spreading apart of plates takes place on land.

A similar percentage (about 9%) represents volcanism within major plates rather than at their boundaries. This takes place where deep "hot spots" penetrate the overlying crust, and old volcanic products are carried slowly away from the volcanic center by the moving plate. This record of intraplate volcanism is considerably better than that for the volcanism of spreading ocean ridges, which is significantly underrepresented.

The numbers for rift eruptions are even lower when data are restricted to historical eruptions, as they were in our 2nd edition. The sharp contrast between the volcanism we see and the submarine volcanism we largely don't see shows up dramatically in the estimates of annual magma budgets (Crisp, 1984) that reveal that more than ¾ of the world's magma output is estimated to originate from rift environments.

ELEVATION

ELEVation of each volcano's highest point is listed in meters above or below sea level. Elevation for the same volcano may differ because of different surveying techniques or because of volcanological changes (e.g., the 400 m reduction in Mount St. Helens' summit height due to edifice collapse at the onset of the 1980 eruption). As with latitude and longitude, when separate values for the same feature appear in different references, we list both (with reference) in the database and display here the one that seems most reliable. If we are unable to resolve a difference any other way, we normally display the more recent figure. Most elevations, both in the *CAVW* and original references, are given in meters, but when we have had to convert from other units we have attempted to retain a measure of the original's accuracy by rounding the conversion to the same number of significant figures as in the original. Thus a 2,600 ft elevation, apparently rounded to the nearest 100 ft, is listed here as 790 m rather than the 792 m figure that is the exact metric equivalent (but implies greater accuracy than in the original measurement).

Fewer than 2% of the listed volcanoes, most of them submarine, have **ELEV**ations unknown to us. Submarine volcano elevations (or depths) are particularly unreliable because changes are often rapid, dramatic, and unrecorded. We normally list the most recent elevation when several are given, but caution should be used with *all* submarine volcano elevations.

The summits of roughly 24% of the subaerial volcanoes in our list are within 1000 m of sea level, 64% are within 2000 m and 82% are within 3000 m of sea level (Figure 4). Only 76 volcanoes, or 5% of our file, have elevations above 5000 m (16,400 ft): 86% of these are in the South American Andes and most of those are in that chain's central segment (15-28° S).

The highest volcano with historical eruptions is Llullaillaco (volcano number 1505-11=) in the northern Chilean Andes. Its elevation is 6739 m, and three eruptions were recorded there in the second half of the 19th century. Nevado Ojos del Salado, 267 km to the south of and 148 m higher than Llullaillaco, has erupted during the Holocene, and its youthful nature suggests that its lack of historical eruptions stems only from its remote location, and that it is rightfully the world's highest volcano above sea level. The only higher mountain in the Americas, Argentina's Aconcagua at 6962 m, was listed as active by Darwin during the voyage of the *Beagle*, but subsequent geologic studies have shown that its volcanic rocks date back to the Miocene and its height results from imbricate thrust faulting.

A very different picture of the highest volcano emerges when considering the height of volcanic edifices themselves, as measured from their constructional bases rather than from sea level. Massive oceanic shield volcanoes, such as Hawaii's Mauna Loa, rise as much as 9000 m above the sea floor. These volcanoes are by far the world's largest by volume, dwarfing the continental-margin stratovolcanoes of the Andes. Furthermore, the weight of the countless overlapping lava

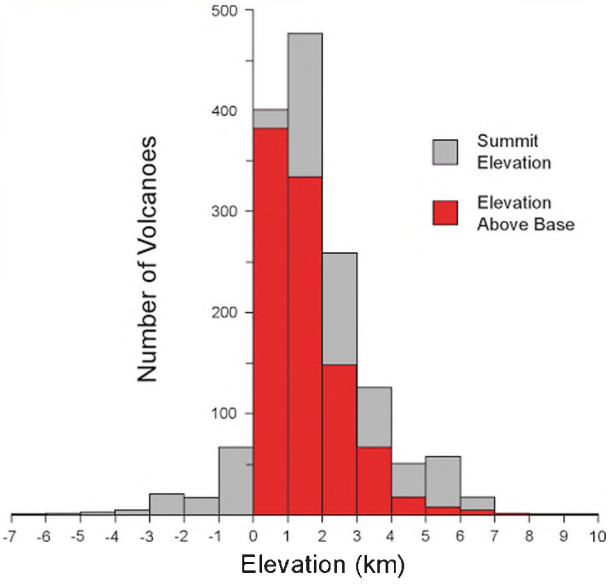

Figure 4. Distribution of known volcanoes by elevation of summit (lighter fill) and elevation above their constructional base (darker fill). Addition of the many unknown volcanoes of the sea floor would greatly alter this distribution.

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flows forming these shield volcanoes substantially depresses the oceanic crust beneath them. Geophysical evidence indicates that the full height of Mauna Loa above its base is an astounding 17 kilometers (Lipman, 1995), nearly twice the height of Mount Everest above sea level. Nevados Ojos del Salado, the world's highest volcano above sea level, rises only about 2000 m above its base. The broad summit of Mauna Loa shield volcano is 2700 m lower than Nevados Ojos del Salado, but it's height above base is almost 10 times that of the Andean volcano.

The deepest submarine volcano in our list has less significance because the record is so poor. Seawater not only hides eruptions from view, but its weight also provides enormous pressure on the deep-sea floor, inhibiting (and often prohibiting) the explosive release of volcanic gases that frequently calls attention to shallow submarine eruptions. A few historical reports, however, give some credence to explosive volcanism on the deep-sea floor: 1955 activity at 4000 m near Hawaii (1302-10=), 1865 activity at 4200 m west of the Azores (1801-04=), uncertain 1852 activity at 5300 m in the central mid-Atlantic (1805-04=), and an 1850 event at about 6000 m depth off Taiwan. Non-explosive volcanism regularly takes place at great depths on the ocean floor, as shown by photography of fresh volcanic features at depths of ~5 km in the Cayman Trough, Caribbean Sea (Ballard, 1976), but our record of these deep submarine events is exceedingly scant. Recent submersible expeditions sponsored by NSF and NOAA, however, have permitted extremely close range documentation of long-term explosive and effusive eruptions from volcanoes in the Mariana and Tonga arcs (Embley et al., 2006; Chadwick et al., 2008; Rubin et al., 2009).

As noted above, the height of a volcano above its regional base is of more volcanological interest than its absolute elevation above sea level, but data are unavailable for 37% of the listed volcanoes and are often a highly subjective measurement, particularly in the case of oceanic volcanoes. With neighboring volcanoes, for example, it is often impossible to state what proportion of each summit elevation is the result of its own plumbing system and how much is contributed by its neighbor (or a now-buried, older volcano). Furthermore, lava flows and volcaniclastic aprons can disguise the buried morphology of the substrate over which the volcanoes are constructed, making the volcanoes appear higher than they actually are. We thus do not include data on the relative heights of volcanic edifices above their base in the **DIRECTORY**, but existing data are displayed by the darker bars in Figure 4. This implies that nearly three-fourths of volcanoes are less than 2000 m high, and nearly 9 out of 10 are less than 3000 m high. These numbers are skewed at both ends, however, by the fact that the most common volcano type, low-elevation cinder cones, is included only once in the data for volcanic fields, and elevation data for large submarine volcanoes are likewise underrepresented.

VPI	Population	Criteria
VPI_5	~47 million	Potentially lethal proximal volcanic effects from small-to-moderately large eruptions (VEI 1-3). Probability of pyroclastic flows to 5 km, 0.7 for VEI 3; probability of >10 cm ash at 5 km, 0.55 for VEI 3.
VPI_{10}	~58 million	Evacuation may be needed for moderately large eruptions (VEI 3-4). Probability of pyroclastic flows to 10 km, 0.2 for VEI 3, 0.6 for VEI 4-5; probability of >10 cm ash at 10 km, 0.4 for VEI 3 and 0.9 for VEI ≥4.
VPI_{30}	~201 million	Infrastructure-threatening tephra accumulations and distally diminishing pyroclastic flows from moderately large-to-large eruptions (VEI 4-5). Probability of pyroclastic flows to >15 km, 0.3 at VEI 4-5; probablity of >10 cm ash at 30 km, 0.8 for VEI ≥4.
VPI_{100}	~757 million	Significant potential impact even in distal areas from tephra accumulation from large-volume eruptions (VEI 5-6). Probability of >10 cm of ash at 100 km, 0.55 at VEI ≥4; >70 cm of ash at 100 km, 0.1.

Table 2. Population data criteria, modified from Ewert and Harpel (2004) and Ewert et al. (2005), with probability data from Newhall and Hoblitt (2002).

0 - 0	5 - >10,000
1 - <10	6 - >100,000
2 - >10	7 - >1,000,000
3 - >100	8 - >10,000,000
4 - >1000	

Table 3. Population data codes.

Volcanoes vary widely in size, and similar problems are associated with volume estimates of volcanic edifices. The morphology of the buried base of a volcano can be difficult to determine, and as noted above, flank deposits can extend the apparent base of a volcano to elevations well below its exposed substrate. Consequently, relatively few volcanoes have had accurate volume estimates. We have volume data for less than a quarter of the Holocene volcanoes in our file, and thus do not display them in this compilation. The existing data indicate that volcano volumes vary over a half dozen orders of magnitude, ranging from less than a cubic kilometer for small cinder cones to the 95,300 km^3 estimated volume of the massive Mauna Loa shield volcano. The median volume is just under 100 km^3, but meaningful comparisons are problematical because, as with data for the heights of volcanoes, determining the base of a volcano is difficult and the numbers of small volume edifices (such as cinder cones) are significantly underestimated.

POPULATION

The number of people living in proximity to volcanoes has clear volcanic hazards implications, and new population datasets help assess volcanic risk. The LandScan population dataset produced by the Oak Ridge National Laboratory apportions census counts to each grid cell based on likelihood coefficients incorporating proximity to roads, slope, land cover, nighttime lights, and other data. The LandScan 2008 data set was applied to the Smithsonian Holocene volcano database

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Rock Type	Code	Rock Names
Basaltic	B	**Basalt, Picro-basalt**, Alkali-basalt, Alkali-olivine-basalt, Subalkaline-basalt, Tholeiitic basalt, Mid-Ocean Ridge basalt (MORB), Ankaramite, Kulaite, Picrobasalt, Picrite, Oceanite
	X	**Tephrite, Basanite, Trachybasalt**, Hawaiite, Minette, Ankaramite, Basanitoid, Nepheline-basanite, Leucite-basanite, Kivite, Trachydolerite, Limburgite, Basaltic-latite
Andesitic	A	**Andesite, Basaltic-andesite**, Lati-andesite, Boninite, Bajaite, Icelandite, Spessartite
	Y	**Trachyandesite, Basaltic trachyandesite**, Mugearite, Shoshonite, Benmoreite, Latite, Quartz-latite, Hornblende-lamprophyre, Banakite, Absarokite, Tristanite, Doreite
Dacitic	D	**Dacite**, Rhyodacite
Rhyolitic	R	**Rhyolite**, Peralkaline rhyolite, Comendite, Pantellerite, Liparite
Trachytic	T	**Trachyte**, Trachydacite, Peralkaline trachyte, Pantelleritic-trachyte, Comenditic-trachyte, Eutaxite
Phonolitic	P	**Phonolite**, Trachyphonolite
	Z	**Phonotephrite, Tephriphonolite**, Tahitite
Foiditic	F	**Foidite**, Nephelinite, Melilite-Nephelinite, Melilitite, Leucitite, Melilite-Leucitite, Carbonatite, Ankaratrite, Etindite, Katungite, Melilite-basalt, Analcine-basalt, Analcimite, Sövite
Unknown	U	No known chemical analyses or rock-type descriptions

Table 4. Dominant rock types for volcanoes. Bolded red names mark fields of the total alkali-silica (TAS) diagrams of Le Bas et al. (1986) and Le Maitre et al. (2002), with other rock type names from the literature in black.

to calculate population densities surrounding volcanoes at radii of 5, 10, 30, and 100 km (Siebert et al., 2008). This builds on Volcano Population Index (VPI) data calculated by Ewert and Harpel (2004) at VPI_5 and VPI_{10} radii for Central American volcanoes and at VPI_{30} radii for U.S. volcanoes (Ewert et al., 2005) as a component of the National Volcanic Early Warning System (NVEWS). Calculations were made here for individual volcanoes at VPI_5, VPI_{10}, VPI_{30}, and VPI_{100} radii (Table 2) and are displayed in order of magnitude values at each radius (Table 3).

The number 4 at VPI_5 indicates that more than 1000 people reside within 5 km of the volcano's summit, the number 7 at VPI_{100} indicates that more than 1 million people live within 100 km of the volcano. Data also factor population densities at volcanic fields with large numbers of vents over broad areas, oceanic shield volcanoes with large footprints, and large silicic calderas. For volcanic fields, minimum population densities were calculated for those living within a rectangle encompassing the known footprint of the volcanic field or a circle of 20 km radius (the average radius of database volcanic fields with documented dimensions). Similarly, 20 km minimum radii were used for large oceanic shield volcanoes and large silicic calderas that could erupt from vents in broad areas over their flanks.

These data do not account for non-resident visitors to national parks, forests, or other recreational areas in volcanic regions, which form an unknown, but sometimes non-trivial component of persons at risk from volcanic eruptions.

ROCK TYPE

This field fills in an important gap in the first two editions of *Volcanoes of the World* and summarizes the lithologic character of Earth's volcanoes. It provides a broad-brush summary of up to five of the most common rock types at a volcano, listed in general order of abundance. Rock types of younger-stage edifices of long-term volcanic systems are given precedence, however, even if not volumetrically dominant. Pre-Quaternary lithologies may also be included.

Single-letter, mnemonic codes are used (B = Basalt, A = Andesite, etc.), although this was not possible for three subdivided alkalic fields, labeled "X," "Y," and "Z," respectively (Figure 5). Capital letters are used for codes, unless a rock type is described as "minor," "rare," or, if quantified, consists of less than 10% of the total volume, in which case lower case letters are used. The ten fields used in this compilation are based on the total alkali-silica (TAS) diagrams of Le Bas et al. (1986), which represent the conclusions of three decades' deliberation of the Subcommission on the Systematics of Igneous Rocks of the International Union of Geological Sciences (IUGS), as summarized in Le Maitre et al. (2002).

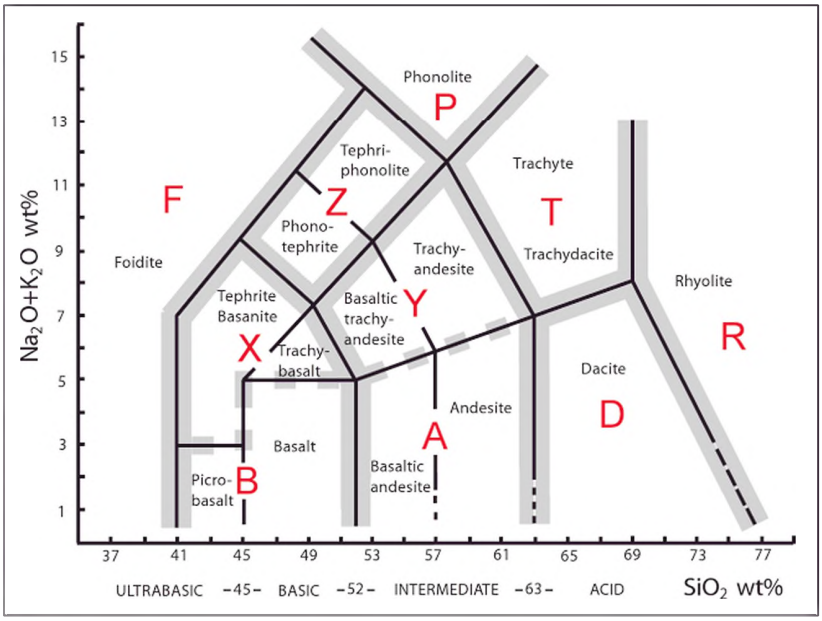

Figure 5. Dominant rock types for volcanoes. Bolded red letters mark fields used in the Directory tables of the total alkali-silica (TAS) diagrams of Le Bas et al. (1986) and Le Maitre et al. (2002).

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Published TAS plots, when available, were used to determine the rock-type assignments. In the absence of published normalized geochemical analyses or TAS plots, the rock names assigned by authors of individual papers are shown.

Although the **Rock Type** field summarizes lithological variation at a volcano, its limitations should be kept in mind. Many volcanoes have not been studied in sufficient detail to accurately document their petrologic variation. In the absence of available petrological papers, data from earlier compilations, which may list only the most dominant rock type(s), were used. Even petrologically oriented papers often do not contain TAS diagrams, and rock-name usage has varied considerably; a plethora of published rock names, many of which have had variable definitions and can overlap TAS fields, complicates standardized summary of geochemical variation. Table 4 is only a partial list of rock-type names falling within (or sometimes straddling) TAS fields, whose names appear in red type. Users should note that for many volcanoes, published geochemical analyses are not available, and authors may have used broad definitions of basalt and andesite, for example, that do not distinguish more alkalic basalts and andesites that would otherwise be assigned codes "X" or "Y," respectively.

Although an attempt was made to infer relative abundance from descriptions of the volcanic history, the proportion of rock types at a volcano is rarely quantified, and the sequence of rock-type codes should be considered an approximation. Incorporation of this generalized petrological data is a new component of our database, and we have conducted only a preliminary search for petrologically oriented papers. These fields are consequently subject to modification as new (and previously unseen) data are incorporated, but we felt that these preliminary petrological summaries provide valuable context for the accompanying volcano and eruption data.

TYPE (MORPHOLOGY)

Volcanoes come in a variety of shapes and sizes. Under the heading of **Type**, we have attempted to characterize the morphology of each volcano. Several features may be entered into our database in descending order of size, but only an abbreviated version of the major feature is printed in the **DIRECTORY** and **GAZETTEER**. If, for example, a stratovolcano contains a caldera that is itself filled by lava domes and pyroclastic cones, this will typically appear only as "**Stratovolcano**" in the **DIRECTORY** and **GAZETTEER**. We have mostly followed the *CAVW* entry, and inspection of the table of types (see inside front cover) shows the lack of standardized usage. Figure 6 illustrates the main profiles shown, but the reader should consult volcanological textbooks mentioned above and those dealing more specifically with morphology (e.g., Cotton, 1969; Ollier, 1969) for further description (and recognize that different volcanologists have

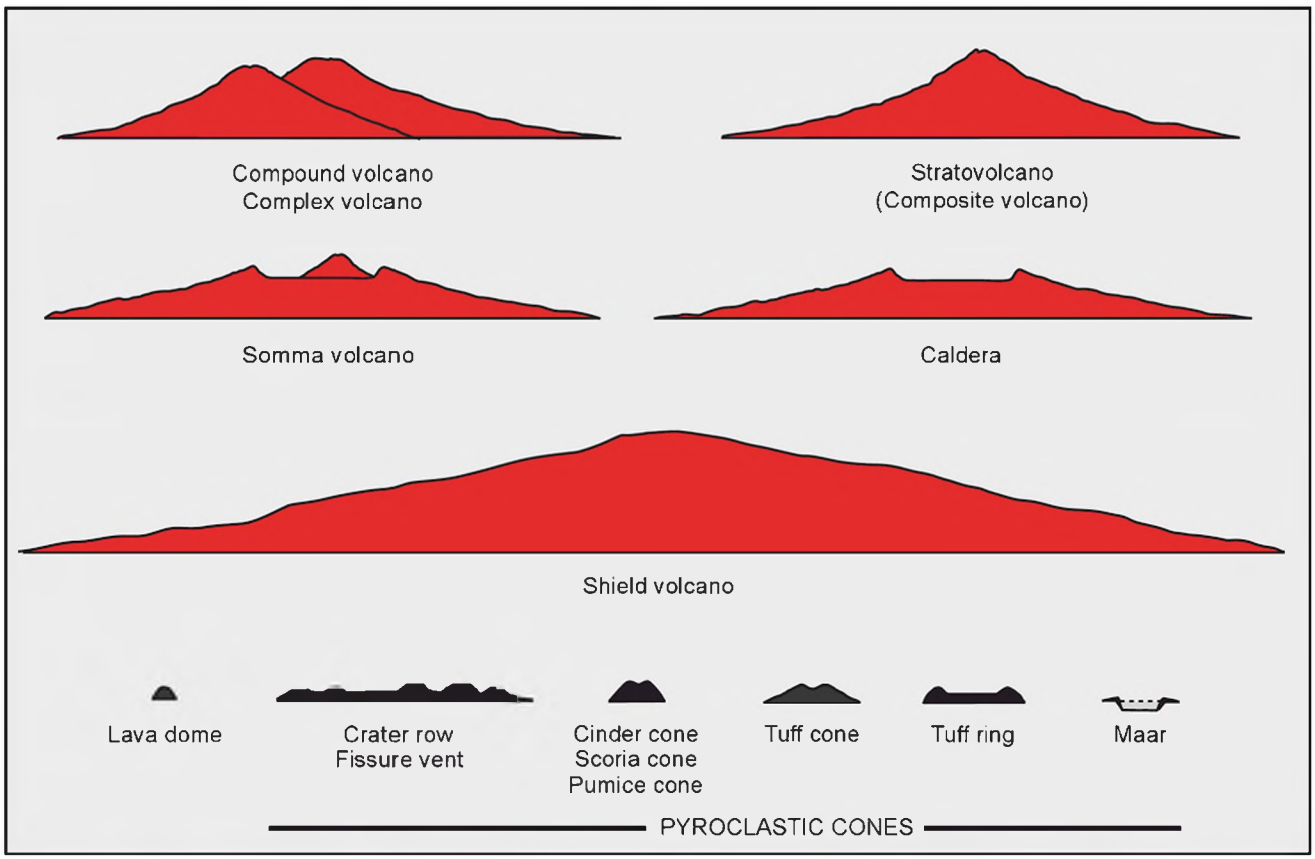

Figure 6. Types of volcanoes. Schematic profiles are vertically exaggerated by 2:1 (colored fill) and 4:1 (black fill) from the data of Pike (1978). Relative sizes are only approximate, as dimensions vary within each group.

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used different terms for the same features). Interest in the landforms of other planets has prompted a more quantitative approach to the morphology of Earth's volcanoes (Pike, 1978). Lacking a standardized nomenclature, however, we have generally listed the volcano types as given in the various sources used in our compilation. This data element is not suitable for a search for all examples of a given volcano type. A tuff cone, for example, might be listed under "**Cone**," "**Pyroclastic cone**," "**Tuff cone**," "**Maar**," or possibly "**Explosion crater**" or "**Pumice cone**," and would not be listed at all in the **DIRECTORY** if it is a subsidiary feature of a larger volcanic landform. These data, however, provide helpful information about the size and shape of each volcano listed.

VOLCANO NUMBER

The volcano number consists of a 4-digit number identifying region and subregion, followed (after a hyphen) by a 2- or 3-digit individual volcano number. This scheme follows that of the *CAVW* and has already been discussed above under **MAPS and REGIONAL NUMBERING SCHEME** (p. 3). The **DIRECTORY** is sequenced by volcano **Number**, which is repeated as the basic cross-referencing device in the **CHRONOLOGY** and **GAZETTEER** sections as well. We have followed the exact *CAVW* numbering where possible, and volcanoes bearing numbers identical to those used by the *CAVW* (including an unpublished draft of the Iceland catalog) carry an "=" symbol at the end of the number to facilitate reference to the *CAVW* for fuller descriptions. When we have added a volcano between those already numbered, we have added a third numeral. Thus Panarea and Lipari, between Stromboli (0101-04=) and Vulcano (0101-05-), are given the numbers 0101-041 and 0101-042, respectively, rather than the next available two-digit number at the end of the Italian subregion. This scheme permits natural geographic sequencing of volcanoes while broadly retaining original *CAVW* numbering. When adding numbers in regions not previously numbered by the *CAVW*, and when renumbering in regions such as the Canary Islands and the western United States, we have used only two numerals for the individual volcano number but have designated the fact that it cannot be found under this number in the *CAVW* by adding a "-" in the last place.

STATUS

This element states, essentially, the most persuasive reason for including each volcano in this compilation. A "**Historical**" **Status**, used for eruptions documented during or shortly after their occurrence, is the best evidence for inclusion. We list 570 volcanoes with historical eruptions, the criterion used by many people terming a volcano "active." Thirty volcanoes had their first historical eruption since our 2nd edition in 1994, including three effusive eruptions in the East African Rift from 2005-2008, submarine eruptions on the Juan de Fuca ridge, and the Mariana and Tonga arcs. The scale of these eruptions ranges from the relatively modest phreatic eruptions from Four-Peaked volcano in Alaska in 2006 to the vigorous explosive activity from Anatahan in the Marianas in 2003 and Chaitén in southern Chile in 2008.

The length of the historical record varies widely regionally, however, from BC dates in the Mediterranean, to only a few hundred years in sparsely populated regions like Kamchatka and the Aleutians. In our second edition we considered a wall mural at the Catal Hayuk excavation near Hasan Dagi and Karapinar volcanoes in Central Turkey to represent the first documented historical eruption (Mellaart, 1967), but this interpretation has been controversial (Meece, 2006). The regionally variability of the historical record led us to expand our data to include volcanoes with eruptions during the last 10,000 years, as determined by techniques, such as "**Radiocarbon**" dating. For volcanoes with different eruptions dated by different techniques, we have entered under **Status** the technique that seemed to confirm Holocene activity most certainly. These techniques are listed on the inside front cover and summarized below under **DATING TECHNIQUES** (p. 20-24). We should mention, however, that the "**Anthropology**" status covers volcanoes with undated (but recent) activity described in native legends as well as activity dated by buried artifacts.

The remaining **Status** categories cover the many volcanoes (45% of our file) for which Holocene eruptions have not been dated, but are either likely or possible. These status categories will be discussed in order of decreasing certainty.

First in certainty for undated eruptions comes the variety of general evidence lumped together under "**Holocene**" status. These locations, although without dated products, are considered likely to have been active in postglacial time. Evidence includes volcanic products overlying latest Pleistocene glacial debris, youthful volcanic landforms in areas where erosion should have been pronounced in many thousands of years, and vegetation patterns that would have been far richer if the volcanic substrates were more than a few thousand (or hundred) years old. We have included in this category volcanoes mapped by original authors simply as "Holocene" or "postglacial." Some subjectivity is involved in this assignment, and the compiler is dependent upon the field experience of the original author. Many early investigators, unaware of slow erosion rates in arid regions, described lava flows as "extremely fresh, probably erupted within the last few hundred or few thousand years," but later radiometric dating has shown them to be Pleistocene or even older. We have generally required relatively strong evidence for entry under this category, and 381 volcanoes bear "**Holocene**" status in our file, with another 193 (with distinctly less certainty) are identified as "**Holocene?.**" This group includes locations for which equally reliable sources disagree over the existence of Holocene volcanism. Also included are those for which uncertainty is expressed by the original author (e.g., "perhaps Holocene age"), and line straddlers (e.g., "late Pleistocene or early Holocene"). We emphasize the uncertainties attending these age assignments by printing their **Status** in a less prominent regular font. The number of volcanoes in this category has increased in this edition as more precise dating of volcanoes in regions such as Kamchatka has called into

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question the age of many of those volcanoes thought to have been Holocene in age due to their youthful morphological appearance.

Many volcanoes with obviously recent, but undated, eruptions are still visibly internally hot, as evidenced by surface thermal features. For 67 volcanic locations, or 4% of our file, one or more of the following thermal features are displayed in the **Status** category. "**Fumarolic**" locations are those characterized by steam and volcanic gas, or fume, reaching the surface. Temperatures are near the boiling point of water, and a substantial supply of groundwater is necessary. In our 1981 edition, we used the word "**Solfataric**" for **Status** when sulfur dominated the volcanic gases, but we have since encountered inconsistencies with this usage and have combined it with "**Fumarolic**" here. When the volume of water is large compared to steam and gas, however, the words "**Hot springs**" are used. A "**Fumarolic**" or "**Hot springs**" status is assigned, however, only where we have seen no explicit evidence for Holocene ***eruptive*** activity. Recent bathymetric exploration has found evidence for vigorous thermal activity at young submarine volcanoes in subduction-related arc settings such as the Kermadec-Tonga (Stoffers et al., 2006) and Mariana (Embley et al., 2006; Chadwick et al., 2008) arcs. Although many subaerial thermal features require only a high local heat flow and groundwater, we have not included such features unless they are clearly related to Holocene volcanism, and for deep-sea, mid-ocean ridge volcanism we have only entered thermally active centers with dated Holocene volcanism.

Our least certain **Status** category, "**Uncertain**," is used for 48 volcanoes: with possible Holocene activity, but with sufficiently questionable documentation that we wanted to draw attention to that uncertainty. These entries include mariner's equivocal reports of submarine volcanism and volcanoes known only by uncertain reports of historical activity (with no other evidence of Holocene eruptions). As with volcanoes classified as "**Holocene?**," we emphasize the uncertainties attending these age assignments by printing their **Status** in a less prominent regular font. The nature of this uncertainty is normally described in the free-form "remarks" category of our database, but cannot be displayed in the tabular formats presented here.

One significant change from the previous editions with respect to **Status** needs to be mentioned. In the first two editions of this book we followed the *CAVW* in including some thermal features, such as fumarolic fields, despite absence of other evidence for their Holocene volcanism. In fact, some areas, such as the Valles and Long Valley calderas in the western United States, show good evidence precluding eruptions in the last 10,000 years (but equally good evidence of still-molten magma below the surface). In these cases the word "**Pleistocene**" preceded the appropriate thermal feature listed above. For 7 of these, the designation "**Pleistocene-Geysers**" was used to identify uncommon variations of hot springs from which steam and water are periodically erupted. These volcanoes are no longer included with the Holocene volcanoes, but are listed with the Pleistocene volcanoes discussed below and also appear in the **GAZETTEER**.

P	Pleistocene
P?	Uncertain Pleistocene
Q	Quaternary (Pleistocene or Holocene)
PT	Pleistocene-thermal
PM	Post-Miocene

Table 5. Pleistocene status codes.

Finally, we should comment on the "youthful" volcanoes that we have ***not*** included in the Holocene file. A volcano mapped as "Quaternary" would not be entered unless more specific Holocene age data were available. When a group of volcanoes is listed in a region of "Pleistocene-Holocene volcanism," we have entered only those for which Holocene evidence is available. Volcanoes listed as Holocene, or "active," in previous compilations, but later found to be Pleistocene or older, have also been excluded from the Holocene file. For a few "volcanoes," well established in the literature (such as the *CAVW*, or our first two editions) but later found to be misidentifications, we have entered "**Not a Volcano**" under **Status**. These have not been entered in any volcano totals and do not appear on our map, but we thought it best to include them in the **DIRECTORY** and **GAZETTEER** to avoid confusion when making comparisons with earlier lists.

In summary, the **Status** category conveys the following hierarchical progression from high to low certainty of Holocene volcanism: (1) "**Historical**," (2) dated eruptions based on a spectrum of techniques from "**Hydrophonic**" through "**Radiocarbon**" to "**Anthropology**," which is transitional to (3) "**Holocene**," (4) thermal features such as "**Fumarolic**," (5) "**Holocene?**," and (6) "**Uncertain**." Any entry can (and probably does) carry evidence to be found under lower **levels** of this hierarchy, but we have entered the highest **Status** category indicated by the data known to us. Furthermore, the **Status** listed is that of the ***most recent eruptive*** activity. A major Pleistocene center with only a single Holocene flank vent, for example, would have a "**Holocene**" status.

For Pleistocene volcanoes a different **Status** assignment is used (Table 5). These are shown in the **PRELIMINARY LIST OF PLEISTOCENE VOLCANOES** only by a one or two column code, but their **Status** is spelled out in the **GAZETTEER**. The "**P?**" **Status** indicates volcanoes whose age is considered to be either early Pleistocene or late Pliocene. A "**Q**" Status is used for volcanoes that are likely Pleistocene in age, but could be as young as Holocene. "**PT**" indicates volcanoes that ceased eruptive activity during the Pleistocene, but currently display thermal activity in the form of fumaroles, hot springs, or geysers. The "**PM**" status is reserved for volcanoes in the IAVCEI (1973-80) Post-Miocene listing for which no age is stated and for which we have not seen subsequent information as to their age. An unknown number of these volcanoes are of Pliocene age, but a few could be as young as Holocene. As with the Holocene volcanoes, the **Status** listed for Pleistocene volcanoes is that of the ***most recent eruptive*** activity.

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Eruption Data

The arrival of volcanic products at the Earth's surface is termed an eruption. At first glance it might appear surprising that the ambiguity regarding what constitutes a volcano extends to eruptions as well. Some definitions of the word include purely gaseous expulsions, but we confine the term to events that involve the explosive ejection of fragmental material, the effusion of molten lava, or both. Other definitions restrict eruptions to magmatic events, but the fragmental material ejected may be old as well as new. The explosive interaction of volcanically generated heat and near-surface water can cause dramatic eruptions without any fresh volcanic material reaching the surface, and from a volcanic hazards perspective are as important to document as magmatic events.

Eruptions vary widely both in magnitude and duration, with some eruptions over in minutes and others going on for centuries. They also display a wide variety in eruptive styles and processes. Volcanologists traditionally have described eruptions in terms of characteristic activity at particular volcanoes or volcanic regions. Although we do not document these descriptive terms in our database, we illustrate common eruption types in Figure 7.

Two terms originated from volcanoes in Italy's Aeolian Islands. **Strombolian** eruptions derive their name from the long-term eruptions at Stromboli volcano. Discrete, sometimes rhythmic explosions common at low-viscosity, basaltic to basaltic-andesite volcanoes eject incandescent lava fragments that can form spectacular night-time displays. The nearby island of Vulcano lent its name to more energetic **vulcanian** eruptions, common at stratovolcanoes and lava domes, which eject blocks, bombs and tephra, accompanied by atmospheric shock waves.

Shallow submarine eruptions where water has access to the vent are named **surstseyan** after the 1963-1967 eruptions that formed the island of Surtsey off the south coast of Iceland. These explosive bursts eject a column of ash, mud, and steam, with individual ejected blocks characteristically trailing cockscomb sprays of ash and steam, and are sometimes accompanied by base surges (laterally driven clouds of gas and ash expanding outward above the sea surface from the base of the eruption column). This type of magma-water interaction is common at shallow submarine eruptions and at crater lakes.

Pelean eruptions were named from the renowned 1902 eruption of Pelée volcano on the West Indies island of Martinique, when explosive eruptions accompanying collapse of summit lava domes produced pyroclastic flows that devastated the town of St. Pierre and its 28,000 inhabitants. These dome-collapse pyroclastic flows are often referred to as Merapi-type pyroclastic flows, which are common at that very active Indonesian volcano on the island of Java.

Much larger explosive eruptions are named not for a volcano, but from the observations of Pliny the Younger during the 79 AD eruption of Italy's Vesuvius volcano. **Plinian** eruptions, the most powerful known, are magmatic eruptions with convective eruption columns that eject large volumes of ash to high altitudes that are dispersed by winds over huge areas. Quantification of grain-size characteristics has led to subdivision into subplinian, plinian, phreatoplinian (major interaction with external water), and ultraplinian eruptions.

Dominantly effusive eruptions are named after two volcano-rich regions, Hawaii and Iceland. **Hawaiian** eruptions can produce long-term activity feeding summit crater lava lakes and the effusion of lava flows fed by sustained lava fountains along radial fissures. **Icelandic** eruptions display similar activity, but from regional fissures such as those that produced the voluminous lava flows of the 1783 "Laki fires" eruption from Grímsvötn volcano. Icelandic eruptions may also include explosive activity from often ice-covered summit craters of central volcanoes.

These varied eruption types produce characteristic deposits that allow identification of their eruptive processes for both historical and prehistorical eruptions. Even in historical time, however, eruptions vary from those at volcanoes rich with sensing instruments and trained observers to remote volcanoes that are often hidden by clouds from their highly infrequent visitors. These variations cause problems for compilers (particularly when using a digital format devoid of the subjective words with which we commonly express variations) and render true standardization impossible on a global scale.

A common problem through much of the historical record is the popular tendency to describe a volcano as "smoking" or "steaming." The full spectrum of steam venting ranges from normal fumarolic emission (with steam clouds many hundreds of meters above the volcano under some meteorological conditions) to very large steam columns that can rapidly rise to more than 10 km above the vent. We have not included vigorous steam plumes without ash emission in our data. Some large steam plumes may contain ash, however, and we have placed a question mark before the date to indicate the uncertainty of large steam emissions with questionable ash content. We have also used the question mark in this way to mark volcanoes noted simply as "smoking," since this description might refer to either ash eruptions or steam emission. There has been no uniformity in treatment of such reports by previous compilers, and it is certain that an unknown number of simple steam clouds have entered the historical record as "eruptions" (Miller et al., 1998). Many recent uncertain eruptions result from reports of discolored water often observed during reconnaissance flights over the waters of volcanic arcs south of Japan.

Although some false eruptions have entered the historical record without the confirmation of solid volcanic products, many more true eruptions have been altogether missed simply because nobody was present to document them. This is easy to understand for remote volcanoes or the distant past, but eruptions can be missed even today on well-monitored

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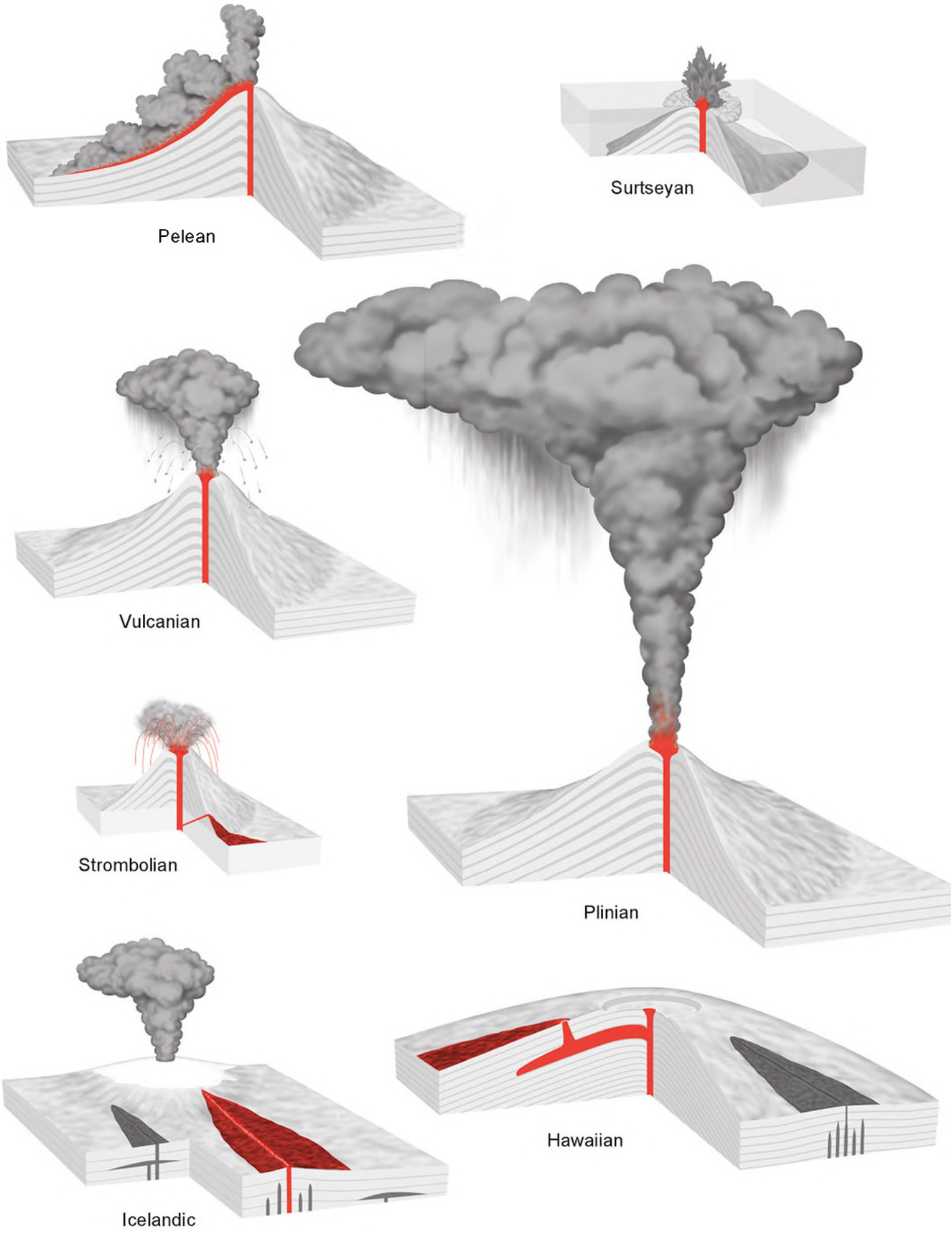

Figure 7. Types of eruptions. The great range in explosivity depends upon many factors, particularly the magma's gas content and viscosity. Artist John Norton.

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volcanoes. In 1982, volcanologists on Kilauea, probably the world's best instrumented volcano, recognized a tiny deposit of fresh scoria (<3 m^3) that had not been present at this rarely visited East Rift site two years earlier (Banks, 1982 pers. comm.; Peterson and Moore, 1987). The eruption has been tied to a seismic swarm recorded on the rainy night of March 10-11, 1980. Larger eruptions have been recognized after the fact in the Galápagos Islands, at least two since tour boats began regular operation in late 1969, and even larger eruptions have no doubt been missed in more remote regions. In recent decades, however, atmospheric monitoring has advanced so well that any moderately large sulfur-producing eruption is soon recognized. In early 1982, laser imaging radar (LIDAR) stations around the world reported a new volcanic aerosol layer, and spectacular "volcanic" sunsets were being observed. The responsible volcano was not known, and the aerosol layer was dubbed "the mystery cloud," but retrospective work with SO_2-sensing satellite images later showed the source to have been Zaire's Nyamuragira. The eruption had been recognized and studied, but its remarkable gas component was surprising.

Eruptions are particularly easy to miss when, as in the 1980 Kilauea example, they take place during a period of frequent *intrusive* activity. Following a major earthquake in 1975, and continuing through 1981, scientists at the Hawaiian Volcano Observatory documented 15 episodes of intrusion (when magma moved laterally below the surface) and only two significant surface eruptions. The rift earthquake made room available below the surface, and magma filled it before returning to the more familiar style of eruptions in 1983. Similar intrusive activity was well documented in Iceland during an episode of rifting covering the same years, and offering a fascinating example of spreading processes at major plate boundaries. Here, repeated cycles of inflation at Krafla were punctuated by brief episodes of rifting, with magma generally moving laterally below the surface. This pattern suggests that plate divergence takes place during intense episodes of several meters separation over several years, followed by perhaps 100 years of quiet, rather than steady-state separation of a few cm per year (Bjornsson et al., 1977).

Well-studied eruptions are commonly recognized as having distinct phases of activity, often including quiet periods lasting for days or months between more vigorous bursts of activity that are clearly part of a single, long eruptive period. Untrained observers, however, commonly report these bursts of activity as separate eruptions and these, in turn are difficult to distinguish in the historical record from the observations of travelers witnessing an ongoing remote eruption at separate times. A 1970s review of well-studied, longer eruptions showed us that quiet periods are commonly measured in days and weeks but rarely exceed 3 months. We also looked at the intervals between eruptions of each individual volcano in our file, finding a disproportionately large number in the 0-to-3 month range. Most of these apparently closely spaced eruptions have not been studied, but we believe that careful volcanological investigation would group most of them as phases in longer eruptions. Accordingly, in order to simplify our file, we have arbitrarily treated an eruption following its predecessor by less than 3 months as a phase of the earlier eruption, unless careful work has shown it to be distinct. All phase data remain in our file, but only the start and stop dates are shown in this publication. However, major explosions during the lifetime of an eruption (if assigned a specific VEI—see discussion below) are shown in our **CHRONOLOGY** table.

AREA of ACTIVITY

For the simple volcano with a central summit vent, we have normally not specified the location of eruptions from that vent other than to place an X in the first **Eruptive Characteristic** (designated by "**Central**," for central vent eruption location, and present for 54% of the eruptions in our file). For flank eruptions, however, and those from named subsidiary features, we have listed the location under **Area of activity** where possible. We have also used this part of the **DIRECTORY** to call attention to uncertainties in eruption location (see below). For this edition we have expanded the **Area of Activity** to include (in parentheses) information on the names of eruptive units.

DATES: START and STOP

For each of the 10,415 eruptions in the file we have entered the **Start** date by year, month, and day (**YEAR M-Dy**), where known. Some ancient eruptions are known only to the century and many only to the year. Of the eruptions in our file, 53% are known to the month and 41% to the day. Only 9% are known to the hour or minute, but these times are not displayed here. All dates (and times) are local, as used in virtually all volcanological reporting, but conversions to Greenwich, or Universal, time are in our database. BC dates are indicated by a "-" before the year and appear chronologically in all tables.

Readers should be cautioned that the **DIRECTORY** does not list the dates of paroxysmal eruptions occurring after the start of eruptive activity. These dates are, however, listed in the **CHRONOLOGY**, and as detailed below under VEI, an "*" symbol in the **VEI** column of the **DIRECTORY** indicates the existence of an additional event, between the start and stop dates shown, which can be found in the **CHRONOLOGY**.

The end of an eruption is usually less dramatic than its start, and the commonly gradual decline in eruptive activity makes precise "stop dates" difficult to determine. Other eruptions, not recognized until well after they ended, are entered only with an approximate start date. These factors combine to explain the absence of a listed stop date for 59% of the eruptions in our file.

UNCERTAINTIES

Uncertainties of time, place, and event surround an unfortunately large proportion of the volcanological literature. If the eruption's location is uncertain, as when a mariner's report fails to specify which of an island's several volcanoes was erupting, we have listed it with the most likely volcano but prefaced the date with the commercial "at" sign ("@") to indicate location

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uncertainty. Only 56 of the eruptions (<1%) carry this uncertainty, and we briefly describe the problem under the **Area of Activity** heading. If the existence of the eruption itself is uncertain, however, as with questionable submarine eruption reports, or subaerial activity that may have been nothing more than increased fumarolic emission, we place a question mark ("**?**") *before* the date (11% of the file). If the eruption is certain but the date is not, we indicate this uncertainty by a question mark *after* the date (17% of the file), but only when no further information exists on the extent of the uncertainty. Some radiocarbon dates are listed by authors without their often considerable dating uncertainties.

Date uncertainty is expressed in several ways. If the eruption is known only to year or month, we simply leave the following columns blank. But if the size of the uncertainty is known, we indicate this by a letter code (Table 6). This code allows us to deal with eruption dates known only as falling between two observations ("after May 10 but before May 24" becomes **0517g**, or May 17 ± 7), more general ranges ("17th century" becomes **1650t** or 1650 ± 50), or specific analytical uncertainties (a corrected radiocarbon date of "1750 BC ± 150" becomes G**-1750w;** see Table 7). If original sources list an uncertainty not exactly matched by our letter code, we use the closest available letter.

If we have been unable to determine the type of uncertainty intended by the original reporter, we have placed a question mark after the date. An undated ash layer sandwiched between two layers of known age is assigned an age midway between the two, and preceded by a "**T**," indicating that the age is determined by tephrochronology. Such dates may have a greater uncertainty than that listed, however, because the two dated layers may themselves have dating uncertainties of substantial (but unknown) size.

Also following some dates is the "greater than" (>) or "less than" (<) symbol. The most common use of the ">" symbol is in designating "**stop date**" for the 105 eruptions believed to be continuing at the time of the report used in our compilation. The ">" symbol is also used for eruptive products known only to be younger than a dated object or horizon, such as lava flows covering earthen dams constructed 800-1200 BC in Yemen (this date, for Jabal Hylan, becomes A-**1200>**). The "<" symbol is used when it is the **date** that is younger than the **eruption** (but it is the only date available and is generally believed to be close to the true start date). Examples are observation dates for "new" volcanic features if earlier, pre-eruption observation dates are not known. We have used these symbols as little as possible, but felt it better to include such "maximum" or "minimum" dates, with appropriate symbols, than to ignore them. The "<" symbol, though, should be used more often than the historical record permits: many older dates listed by us under **Start**, for example, may have been reports by travelers, who witnessed an eruption that had been underway for some time.

Code	± Years	± Days	Code	± Years	± Days	
a	1	1	o	18	25	
b	2	2	p	20	30	(1 mo)
c	3	3	q	25	45	
d	4	4	r	30	60	(2 mo)
e	5	5	s	40	75	
f	6	6	t	50	90	(3 mo)
g	7	7	u	75	120	
h	8	8	v	100	150	
i	9	9	w	150	180	(6 mo)
j	10	10	x	200	270	
k	12	12	y	300	365	(1 yr)
m	14	15	z	500	545	
n	16	20	*	1000	730	(2 yr)

> eruption after date listed
< eruption before date listed
? date uncertain (no data)

Table 6. Eruption dating uncertainty codes.

DATING TECHNIQUES

More than 3000 eruptions in this compilation are pre-historical in age, and these are dated using a variety of radiometric and other techniques. Such eruptions are distinguished from historical eruptions by the presence of a letter code immediately preceding the start year, which indicates the type of dating technique. These codes are listed on the inside front cover, at the beginning of the data tables, and in Table 7. The dating techniques are briefly described alphabetically below, along with discussion of their accuracy. Dating uncertainties can range from as low as to the season of the year for some events dated by dendochronological techniques, to hundreds or even thousands of years for radiocarbon or other radiometric dating techniques such as argon-argon ($^{40}Ar/^{39}Ar$), or potassium-argon (K-Ar). One dating method code is used to flag contemporary submarine eruptions detected using low-frequency sound waves traveling in the SOFAR channel and detected by hydrophones.

A = "ANTHROPOLOGY." About half of these 30 dates reflect oral history. Some are entered without an uncertainty code (e.g., Bedouin legends of a 640 AD Arabian eruption), whereas other uncertainties range from ± 5 to ± 50 years (the "11th century" eruption in México's Michoacán-Guanajuato field). However, all should be treated with some caution, recognizing the human difficulty to accurately recall an undocumented date. Some "**Anthropology**" dates come from buried artifacts and others from dated structures (temples, dams) affected by an eruption. An eruption date in the Galápagos Islands is based on marmalade pots. The pots were stashed by English buccaneers in 1683, and fragments were later found by Heyerdahl (1963) in a lava flow recognized as "young" by Darwin during his historic visit of 1835. The eruption from Santiago volcano on Isabela Island is therefore dated here as "A 1759u," or midway between 1683 and 1835, ± 76 years. Other dates have been obtained by anthropologists but entered directly in our file under the dating technique used (commonly ^{14}C).

C = "^{14}C" or *uncorrected* radiocarbon. Most of the prehistoric dates in our file result from this technique, at least

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A	Anthropology	M	Magnetism
C	Radiocarbon (uncorrected)	N	Thermoluminescence
D	Dendrochronology (tree ring)	R	Argon-Argon (Ar-Ar)
E	Surface Exposure	S	SOFAR (hydrophonic)
F	Fission Track	T	Tephrochronology
G	Radiocarbon (corrected)	U	Uranium-Series
H	Hydration Rind	V	Varve Counts
I	Ice Core	@	Eruption location uncertain
K	Potassium Argon (K-Ar)	?	Uncertain eruption
L	Lichenometry	X	Discredited eruption

Table 7. Eruption dating method codes.

indirectly, and an even 1000 carry the designation "**C**," up 29% from the number in our 2nd edition. The technique is based upon the late 1940s discovery that wood and other organic matter contains minute amounts of carbon's radioactive isotope (of atomic weight 14). When the organism dies, its radioactive carbon is no longer replenished and the proportion of ^{14}C in its carbon begins to decrease by radioactive decay. Because this decay rate is accurately known, careful laboratory measurement of the $^{14}C/^{12}C$ ratio in prehistoric wood can accurately date vegetation death. Although the half-life of ^{14}C is about 5,730 years, and its initial concentration is only one part in a trillion (10^{12}) of ^{12}C, ages to 40,000 years are measured routinely (e.g., Taylor 1987; Michael and Ralph, 1971).

Radiocarbon dates are normally expressed in years BP ("Before Present"), and we have followed the standard convention of treating 1950 as "present" (unless otherwise stated) in converting to calendar year dates. Some uncertainty in radiocarbon dates is guaranteed by analytical error and the fact that the ^{14}C decay rate is known only to within ± 30 years. Most authors combine these and other factors in a single uncertainty, or "±" value, after each radiocarbon date presented. We then accept the author's reported date and attach the appropriate uncertainty code upon entry to our file, but see discussion in the next paragraphs for important cautions against mistaking these dates for calendar dates. Uncertainties for uncalibrated radiocarbon dates listed here range from ± 10 to more than ± 1000 years, but most are between ± 50 and ± 300 years. We have rounded calendar dates to the nearest 10 years to avoid creating the impression of a more accurate date than exists. The youngest radiocarbon dates are from Cabalian in the Philippines, Pagan in the Marianas, and Canada's Iskut-Unuk River Cone Group (around 1800 AD). Over 500 uncorrected radiocarbon dates in this compilation would have been "**historical**" if they had taken place in southern Italy, where the written record extends to 1500 BC.

D = "DENDROCHRONOLOGY." The annual character of tree rings was recognized by the ancient Greeks, and use of tree rings to reconstruct the past goes back at least to Leonardo da Vinci (Baillie, 1982). The accuracy of the date depends upon that of the tree-ring time scale developed for the region (Fritts, 1977). Dendrochronology has been used in volcanology both for indirect evidence of climate change from huge eruptions and for more direct reconstruction of nearby events. For example, tree-ring data have been used to distinguish (to the season of the year) two major explosive eruptions from Mount St. Helens within two years of each other about 1480 AD (Yamaguchi, 1985).

Interest is strong in the proxy record of eruptions large enough to have influenced global climate. Distant but long-lived trees bear frost rings from known historical eruptions, and research suggests that tree-ring chronologies will help establish a more detailed record of the planet's largest eruptions (LaMarche and Hirshboeck, 1984).

Other paleobotanical techniques can also be useful to volcanology. The famous eruption that created Oregon's Crater Lake, for example, is dated only to ± 50 years (nearly 6,000 years ago), but careful study of pollen associated with its volcanic ash in a far-away Montana bog showed that the eruption began in the autumn and apparently continued for at least 3 years (Mehringer et al., 1977). Analysis of annual layers in Irish peat bogs has yielded detailed records (including fine particles of volcanic ash) from Icelandic eruptions, and leaf impressions beneath Japanese ash layers have dated prehistoric eruptions to the exact season of the year (Pilcher and Hall, 1992; Hayakawa et al., 1994). In New Zealand, insect remains preserved by the famous Taupo eruption of the second century AD have shown that the eruption took place in the early afternoon (D. Lowe, 1993 pers. comm.). The application of biology to eruptive deposits holds great promise for unraveling the recent histories of many volcanoes.

E = "SURFACE EXPOSURE." This relatively new technique measures the exposure ages of rocks at the Earth's surface to cosmic-ray production. Cosmic-ray production rates are dependent on both elevation and latitude, but if local cosmogenic helium (^{3}He) production rates can be constrained, helium isotopes can be used to determine the ages of rocks exposed at the surface since their formation. Chlorine isotopes (^{36}Cl) have also been used to date very young volcanic rocks. Careful sampling is required, but surface exposure procedures have been used to date late-Pleistocene and Holocene lava flows. The technique has somewhat larger uncertainties (many hundreds to more than a thousand years) than ages from calibrated radiocarbon dating (see below). Although relatively infrequently used, it is useful if organic material for radiocarbon dating is unavailable and correlates fairly well with radiocarbon ages in cases that compare both techniques.

F = "FISSION TRACK." This technique depends upon the natural spontaneous fission decay of uranium. The resulting heavy fission particles leave minute damage tracks in volcanic glass that are revealed by chemical etching of a cut and polished surface. The number of tracks per unit area, counted microscopically, is proportional to the age of the glass (for any given uranium content) and can therefore provide eruption ages. Although the technique is capable of better accuracy, one (of only 4) fission track ages included here—1000 BP from Canada's Mount Edziza (Aumento and Souther, 1973)—carries one of the largest uncertainties in the file: ± 6000 years.

G = "^{14}C," or corrected radiocarbon. Careful radiocarbon dating has been done on selected portions of long-lived

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bristlecone pine trees that can be independently dated by tree-ring techniques. This work shows generally close agreement (<80 years) between the two methods for the last 2,500 years, but they then start to diverge until "true" tree-ring dates exceed radiocarbon dates by 700-900 years for the last 4,000 years of the Holocene. The reason for this divergence is apparent variation in past content of atmospheric radiocarbon. For many years there was substantial disagreement between different laboratories, but a common calibration program for correcting raw radiocarbon dates has gained wide acceptance (Stuiver et al., 1998). If a corrected date is available we have preceded it by the letter "**G**" (which can be thought of, mnemonically, as a slightly altered "**C**"). However, we have not attempted to correct the uncorrected dates of other workers. Many published dates are not accompanied by all the information required (e.g., laboratory precision, relation of dated material to eruption, number of independent dates, contamination of sample) for an accurate correction, and we have chosen not to risk confusion by publishing incorrect dates not reported by original authors. At the time of the 2nd edition, only 14% of our radiocarbon dates were corrected; that figure has now tripled to more than 43%. The mixing of uncorrected dates with a growing number of calendar dates remains, however, very misleading to readers who do not pay attention to the letter code in front of prehistoric dates, particularly those in the BC part of the **CHRONOLOGY**. It is imperative that readers be aware of the significant age difference between "**C**" and "**G**" dates: to 100-150 years during the last 2500 years, rising to 900 years in the early Holocene.

H = "HYDRATION RIND." Obsidian flows were molten liquids with unusually high viscosity inhibiting nucleation and growth of the crystals that make up most volcanic rocks. The resulting glass is unstable and gradually decomposes by the addition of moisture from the atmosphere. The thickness of the hydration rind on an obsidian flow surface is proportional to the time that it has been exposed to the atmosphere, and this property has been used to date a dozen flows in our file, mainly from Oregon's Newberry Caldera and California's Mono Craters (Friedman, 1977, 1981). Uncertainties are large for this technique, ranging from ± 200 to ± 1740 years for the dates included here, and hydration rates are affected by regional climatic variations.

I = "ICE CORE." The far-traveled aerosol of major eruptions eventually settles to the Earth's surface, leaving a chemical trace in glaciers and ice caps that grow by annual accumulation of snow layers. Cores through these annual layers then provide an important record of past volcanism that can extend, as with the cores from Greenland, over 250,000 years (Hammer, 1977; Hammer et al., 1980). Whereas tree ring studies give an unequivocal link to volcanism only if close to the source, strongly acidic layers have been formed in the ice of both polar regions by major historical eruptions. Even more pronounced layers in prehistoric portions of the core point clearly to volcanism with global distribution as the cause. This gives the exciting potential of establishing a complete chronology of large, sulfur-producing eruptions, but the difficulty lies in determining which volcano was responsible for a specific acidic layer.

Aerosols move swiftly around the globe but their spread to the north and south is relatively slow. Thus an eruption from high northern latitudes (Iceland, Alaska, Kamchatka) leaves a relatively large volcanic deposit in Greenland, whereas a comparable eruption from low latitudes leaves a much smaller record, and one from the southern hemisphere may leave none at all. Small volcanic ash particles have been found in some cores, allowing petrologic correlation with individual volcanoes (Palais et al., 1990), but substantial uncertainty surrounds the identification of most eruptive sources. Added to this problem is the danger of misinterpreting the completeness of volcanism's recent historical record. Very large eruptions may well have been missed only a few hundred years ago in some parts of the world, so the matching of acidity spikes with poorly constrained dates from the volcanic record requires caution. This technique holds great promise, particularly in local icecaps in Iceland, where 35 eruptions have been dated by this technique. Elsewhere we have entered only 7 ice core dates in the **DIRECTORY** (3 from North America and 4 from Antarctica).

In the **CHRONOLOGY**, however, we list some dates of major eruptions documented by ice core data for which the source is unknown. These dates cover much of the Holocene, but are chronologically well constrained and unequivocally volcanic. The entry at 1259 AD, for example, is based on acidity spikes in cores from both polar regions (Langway et al., 1988; Palais et al., 1992) and is regarded as one of the largest eruptions of the Holocene, although surprisingly for such a large and recent eruption, its source remains unknown (Oppenheimer, 2003). The source volcanoes for some ice-core spikes even in recent historical time remain unknown. A major eruption from an unknown tropical volcano as recently as 1809 AD was also recorded in both polar regions and was considered to have contributed to global cooling prior to the 1815 eruption of Tambora (Cole-Dai et al., 2009). We have not attempted to compile a comprehensive listing of ice core dates, however, and readers are referred to more recent papers, such as those of Castellano et al. (2005) and Kurbatov et al. (2006) for discussion of ice core dates and possible correlations with specific eruptions.

K = "K-Ar," or Potassium-Argon, is one of the most widely used geochronometers. Like radiocarbon dating, it depends upon the relative proportions of parent (^{40}K) to daughter (^{40}Ar) isotopes, and the well-established half-life of that constant decay. It has been used to date rocks approaching the age of the Earth (4.54 x 10^9 years), but is less frequently used on materials younger than 100,000 years (Dalrymple and Lanphere, 1969). Of the 22 K-Ar dates listed here, none is younger than 2000 BP. Uncertainties given in the original reports range from ± 1000 to ± 7000 years, the latter, the largest in our file, is for a 9000 BP date from Loihi volcano.

L = "LICHENOMETRY." The slow but rather regular growth rate of lichens on a lava flow surface has been used to date two eruptions on Penguin Island, Antarctica (Birkenmajer, 1979). The technique is useful for establishing relative ages on young lava flows, but absolute ages require accurate baseline

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growth rates, under comparable conditions of climate and substrate, that are rarely available over more than a century. This technique is used relatively infrequently and only appears twice in this compilation.

M = "MAGNETISM." As lava cools from its molten state, it may capture an accurate "memory" of the Earth's magnetic field at that time. Secular variation, or historical wander of the Earth's magnetic poles, has been large enough that careful study of a lava's magnetic "memory" may reveal its approximate date of cooling. The number of dates in our file based on this technique has increased dramatically from the 2 in our 1981 book to 49 here. Most carry uncertainties in the ± 50-150-year range. The accuracy of the technique decreases greatly for events older than a few thousand years.

N = "THERMOLUMINESCENCE" dating depends on the effects of radioactive decay (like **"U"** and **"F"**) rather than direct counts of isotopic ratios (like **"C," "K,"** and **"R"**). Some electrons emitted during decay are trapped in crystal defects, and laboratory heating frees them, producing light in the process. The amount of light depends, in part, on the age of the crystal. This technique is much used by archeologists, and is represented here by a dozen dates from Italy, Africa, Papua New Guinea, and Japan; dates typically have a large uncertainty (to a thousand years or more).

R = "ARGON-ARGON" ($^{40}Ar/^{39}Ar$) dating was first developed in the late 1980s. Similar in many ways to K-Ar dating, it offers greater precision and requires much smaller amounts of material. Following irradiation by nutrons, stepwise heating yields a spectrum of apparent ages shown by changing isotopic ratios that reflect contamination until reaching a plateau that represents the crystal's cooling age. The technique is particularly useful for relatively young materials, and is bringing new order to geologic time scales over the past few tens of millions of years. Only 2 dates using this technique were listed in the 2nd edition, but 17 are listed here; $^{40}Ar/^{39}Ar$ dates for Holocene eruptions typically have fairly large dating uncertainties, often in the several thousand year range.

S = "SOFAR," or submarine "**Hydrophone**" detection. Explosive eruptions on the sea floor send out shock waves through the water in much the same way that earthquakes send shock waves through Earth's solid crust. The velocities are slower, about 5300 km/hr, but these low-frequency sound waves travel for long distances through the SOFAR channel (a discrete sub-surface layer of water within 1200 m of the surface where sound energy is concentrated), and their arrival times at submarine hydrophones can be used to locate the eruption in the same way that seismologists locate earthquake epicenters. Study of hydrophone records from observed submarine eruptions has shown features characteristic of volcanism, and when these features appear on records from more remote parts of the sea floor they have been used to locate and to date (often to the hour and minute) volcanism that would otherwise have been completely missed.

Although the quiet, non-explosive effusion of lava that typifies most seafloor volcanism is difficult to detect by hydrophones, earthquake swarms commonly accompany these more gentle eruptions in places such as Hawaii and Iceland, and such swarms from submerged seamounts have been interpreted as submarine eruptions. We have entered 4 volcanoes (one off of Hawaii and three near Tahiti) because of earthquake swarms (**STATUS** entered as "**Seismicity**") and the fresh glass dredged from their submerged summits. However, the earthquake swarms might represent magma movement without eruption, so we have preceded these dates with a question mark rather than a symbol representing the "seismic" dating technique.

T = "TEPHROCHRONOLOGY." Aristotle used the Greek word for ash, "tephra," in describing an eruption on the island of Vulcano. Because modern volcanologists define "ash" as particles smaller than 2 mm in diameter, a broader term is useful for describing material of *all* sizes explosively ejected by volcanoes. In 1944, Sigurdur Thorarinsson proposed the word "tephra" for this purpose, and it is widely accepted today (Westgate and Gold, 1974; Self and Sparks, 1981). Tephra from large explosive eruptions may be distributed over enormous distances, forming a distinctive layer that later constitutes a "marker" horizon within layers of sediment. Careful mapping of such layers throughout a volcanic area can develop a *relative* sequence of overlapping ash layers. If some of these ash layers are dated, either historically or by some other technique, dates can be assigned to the intervening layers in their relative sequence. The technique is a broad one, embracing a variety of field geologic and stratigraphic methods, and we have used this designation to cover prehistoric eruptions for which our source specified no technique (as, for example, a date placed midway between two radiocarbon-dated eruptions). Uncertainties are commonly large, ranging from 10 to 3000, with a median around 500 years.

U = "URANIUM-SERIES." Several dating techniques utilize Uranium-series disequilibrium ratios. The Uranium-Thorium disequilibrium series is often used to date carbonate materials such as speleothems, travertines, corals, deep sea sediments, bones, teeth, peat, or evaporites. More complex applications of this technique have also been applied to volcanic rocks. ^{230}Thorium, part of the ^{238}Uranium decay series, has a half-life of about 75,000 years, in comparison to the half-life of ^{238}Uranium of 4,470,000,000 years. If the amounts of Uranium and Thorium isotopes are compared, an estimate of the age of a specimen can be obtained. This technique has been applied to volcanic rocks as young as the end of the Pleistocene and the beginning of the Holocene and has relatively large uncertainties (from hundreds to a few thousand years) during these time intervals. Other Uranium-series nuclides have dramatically shorter half-lives. ^{226}Ra-^{230}Th ratios have been used to date eruptions during the mid-Holocene, and ^{210}Po-^{210}Pb ratios have been applied to eruptions on the sea floor as young as a few decades or even less. No eruptions dated with this technique appeared in our 2nd edition, but 29 dates from 14 volcanoes are listed here.

V = "VARVE COUNT." Seasonal changes affect sediment accumulation in many small lakes, particularly those in which the spring melting of ice adds an annual layer of coarse sandy particles to the lake floor, in contrast to the finer clay deposited

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during the rest of the year. These layers, or varves, can later be counted to establish the date for a layer of volcanic ash in their midst. Like tree rings, these annual layers provide very accurate dates under ideal conditions and careful work, but uncertainty increases with age and non-ideal conditions. The sediments of Turkey's Lake Van provide a remarkable record of 22 eruptions of nearby Nemrut Dagi volcano since the beginning of the Holocene (Degens et al., 1984; Ulusoy et al., 2008).

Two codes used in the dating methods column are not dating techniques, but indicate varying degrees of uncertainty about the eruption.

? = "UNCERTAIN ERUPTION." Historical eruption reports of uncertain validity are flagged by a question mark preceding the eruption year. These uncertain eruptions appear in both the **DIRECTORY** and **CHRONOLOGY**, and are further distinguished by appearing in italics.

X = "DISCREDITED ERUPTION." Eruptive events that, although once established in the volcanological literature such as the *CAVW* but have since been discredited, are marked by an "X" preceding the eruption year. These are included in none of our totals, but great effort is often invested in proving a reported eruption to be false, and we thought it better to retain these 177 "non-events", in a form that allows easy identification (and removal), rather than have them appear to readers of earlier compilations as mistaken omissions. A discredited eruption appears in the **DIRECTORY** but not in the **CHRONOLOGY**.

DURATION

Duration information exists for fewer than 40% of the eruptions in our file. Data quality suffer from the difficulty of recognizing the gradual end of an eruption that may have begun quite dramatically, but is also affected by the large number of radiometrically dated eruptions, for which duration data are unavailable, as well as by inconsistent definition of the word "eruption." At Stromboli, for example, references to volcanism go back at least 2400 years, and more or less continual activity has been inferred since. However, the record is clearly uneven, and recent work (Rosi et al., 2000) has demonstrated periods of quiescence during this interval. With these cautions in mind, however, it is interesting to examine the distribution of known eruption durations.

Of the 3929 eruptions in our file with duration data, about 12% ended in less than a day and 18% within two days. One quarter ended within a week, 44% within a month, and more than half (54%) within two months (Figure 8). Only 15% of eruptions lasted more than a year, 3.4% more than five years, and only 1% lasted more than two decades. The median duration was about 7 weeks. Again demonstrating the unremarkable nature of the most eruption endings, fewer than 10% of durations are accurately known to the day.

An eruption's stop date is a useful indicator of reporting quality. Prior to 1500 AD, stop dates (and thus durations) were known from only 62 eruptions, with a median uncertainty of about three weeks. The subsequent onset of western

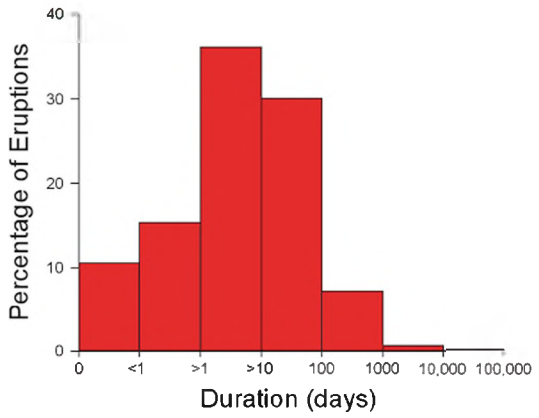

Figure 8. Duration of 3935 eruptions for which stop (as well as start) date is known. Median duration is about 7 weeks.

explorations, the increase in populations living near (and observing) volcanoes, and development of the printing press and communication technologies have progressively increased the number of eruptions described accurately enough to assign a stop date. Since the 1968 onset of regular Smithsonian reporting, more than 86% of eruptions have known durations, with a median uncertainty of ± 1 day.

Although several very brief explosive eruptions have been recorded (such as the minutes-long Krafla borehole eruption described below under **VOLUMES**, p. 31), the shortest major eruption known to us is the fatal event in 1977, when the long-lived molten lava lake of Nyiragongo, Zaire, drained in less than one hour, flooding the outer flanks with 20 million cubic meters of exceptionally fluid lava that moved downslope at speeds reaching 60-100 km/hr (Tazieff, 1976-77; Krafft, 1990). Such brief eruptions must be balanced against long-term eruptions lasting several centuries or longer from Stromboli, Fogo, Sangay, and Yasur volcanoes, the latter active in Vanuatu since it was first discovered by Captain Cook in 1774. Nearly a dozen volcanoes (Italy's Stromboli, Erta Ale in Ethiopia, Yasur, Semeru and Dukono in Indonesia, Japan's Sakura-jima, Kilauea in Hawaii, Santa María in Guatemala, Arenal in Costa Rica, Ecuador's Sangay, and Erebus in Antarctica) have been erupting for more than two decades and could remain active for some time.

A good indication of a new eruption's likely duration would seem to be the previous history of that volcano, but the record is rarely extensive enough, and even the better records often defy simple generalization. On Hawaii's Kilauea, for example, 1 out of every 4 historical eruptions ended in 2 days or less, 14 of them lasted less than 24 hours. Yet Kilauea also has had 4 of the longest eruptions in our file (43, 27, 27, and 17 years), including the East Rift activity that began in January of 1983 and is continuing at the time of this writing.

Perhaps the most sobering lessons about eruption duration (and about the wide range of behavior in a single eruption) come from Indonesia's Tambora in 1815. More than three full years of mild eruptive activity preceded a dramatic eruption, with cloud height estimated at 33 km. Such paroxysmal explosions end many eruptions, and reasonable people might have concluded that the eruption had ended. But they would

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have been wrong. After a lull of 5 days came history's largest explosive eruption: the culminating blast reached heights estimated at 44 km, caused three days of total darkness 500 km from the volcano, and ultimately resulted in an estimated 60,000 fatalities (Sigurdsson and Carey, 1989; Tanguy et al., 1998). Predicting an eruption's end is no easier than predicting its beginning.

ERUPTIVE CHARACTERISTICS

In the first two editions of our **DIRECTORY**, we indicated the presence, when known, of 20 characteristics selected by the originators of the *CAVW* and shown throughout those volumes. We do the same here, but have substituted one eruptive characteristic (**Caldera** formation) for the original CAVW **Fumarolic** characteristic, as further discussed below. Our data file contains a larger list of characteristics, and we have modified some of the older *CAVW* entries, but we have not yet systematically revised the full file. We therefore present only these basic 20 characteristics that have been reasonably well standardized. This compressed format is designed to provide a swift summary of the behavior common to a particular volcano or region, but also to allow a systematic search for eruptions of a particular type. No such search can be complete, however, because most of the eruptions in the file were neither documented adequately at the time, nor studied sufficiently since, to enable us to list all characteristics with confidence. Many eruptions have no characteristics listed at all, and many more carry only a single entry, such as "normal explosions," despite the likelihood of other characteristics having accompanied them. Positive identification of a particular characteristic is indicated by an "X" in that column, uncertainty is shown by a "?," and negative (absence of information as well as absence of that characteristic) by a "-." Photographs of many of these eruptive characteristics are scattered throughout this book.

The first 4 characteristics describe where the eruption took place (see also discussion of **Area of Activity** on p. 19). **Central crater** is entered for 61% of the eruptions listed here; Japan's Aso has the most central crater eruptions in the file with 181, followed by Italy's Etna with 139. **Flank vent**, or parasitic crater eruptions have been noted for 277 volcanoes, and Piton de la Fournaise, on the Indian Ocean island of Reunion, leads the list with 53 such eruptions. Some volcanoes, such as Alaska's Trident and Chile's Cerro Azul (Quizapu), have recorded eruptions from parasitic craters only. **Radial fissure** eruptions are listed for 137 volcanoes. Etna (83) and Hawaii's Mauna Loa (82) lead in radial fissure eruptions, but Piton de la Fournaise (65), and Kilauea (48) have had frequent eruptions of this type. Although eruptions also take place from fissures circumferential to the volcano, they were not among the eruptive characteristics chosen for *CAVW* and are not designated here. **Regional fissure** eruptions are entered for only 78 volcanoes. One third of these are in Iceland, where eruptions fill new linear fissures created by the spreading of the Atlantic Ocean, although Taveuni in Fiji has the second highest total (34). Icelandic eruptions, led by Hekla/Vatnafjöll (51), Krafla (23), Grímsvötn (21), and Bardarbunga (17) make up one-quarter of the regional fissure eruptions in the file.

The next 4 characteristics deal with eruptions that interact with water. **Submarine** eruptions are the most common, with 397 eruptions from 123 locations, a substantial jump from the 289 in our 2nd edition due to heightened emphasis on mid-ocean rift and submarine arc volcano research, but these recorded events are nevertheless only a small fraction of all submarine eruptions. Kavachi, in the Solomon Islands has had 30 known submarine eruptions since 1938. Seawater unquestionably complicates eruption reporting. An Icelandic volcanologist once balanced simultaneous telephone calls concerning a nearby submarine eruption (K. Grönvold, 1984 pers. comm.). One was from a policeman in a mainland phone booth looking out at the eruption column and describing its red interior. The other was from an airplane pilot circling the site and declaring emphatically that there was no eruption. Apparently a confluence of currents had caused a waterspout-like cloud and sunset glint gave it a red glow. Some skepticism is called for in evaluating ocean eruption reports, and we have eliminated from our listings an 1853 submarine event 55 km off the coast of California. This was entered in the *CAVW* on the basis of high water spouting and shoal soundings, but the ocean floor bedrock is 15 million years old and the shoals are frequented by whales. We have also rejected submarine eruption events such as the shock waves and sulfurous smells reported from a Soviet ship (Gushchenko, 1979) in the middle of the Gulf of Alaska in 1964, on the day of the famous Good Friday earthquake, one of this century's largest.

A specific type of submarine eruption—**New island**, or Island Building—was added to the original *CAVW* list of characteristics in 1953. These events have special importance for biologists interested in colonization, as on Iceland's new island of Surtsey, formed from 1963 to 1967. We record 99 new islands, but the fact that they are from only 41 locations shows that many of the islands were short-lived; eroded by the sea soon after they were formed, only to be followed by other islands built by later eruptions. The famous Greek island of Santorini had 7 island-forming eruptions between 197 BC and 1866 AD, and Kavachi has built itself above sea-level at least 12 times since 1950. We have used this characteristic for eruptions forming islands in caldera lakes (e.g., Taal, Askja) as well as the open ocean, but the former are identified by the absence of an X in the column for submarine eruptions. **Subglacial** eruptions represent a special interaction with water. Most are not recorded, but in Iceland the sudden release of water from such eruptions forms tremendous floods ("jökulhlaups" or glacier bursts) with flow rates that have exceeded those of the Amazon River. These are marked by a "**J**" rather than an "**X**" in the **Mudflow** column (see below). Only a quarter of the 26 volcanoes that have produced subglacial eruptions are from Iceland, but they have produced 237 of the 268 documented subglacial eruptions, with Katla at 128 leading the way. Most are in high latitudes, but one is from Ecuador's Antisana, just 55 km from the equator, and 8 more are from other Andean volcanoes.

Crater lake eruptions are recorded from 73 volcanoes.

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Water and hot magma make an explosive combination, and a summit crater lake on an active volcano places these two components in dangerous proximity. Lake water adds to the danger by contributing, in an eruption, to mudflows that can devastate the volcano's outer slopes and beyond. The Costa Rican volcano Poás has had at least 44 crater lake eruptions, with one (in 1910) reportedly shooting a fountain of water 4 km in the air. Ruapehu, in New Zealand, has recorded the most crater lake eruptions (58), with Aso (50) close behind, but the most devastating has been Java's Kelut, where extensive efforts to drain the lake have successfully reduced its danger after 13 fatal highly explosive eruptions claimed many thousands of lives. Not all crater lake eruptions are explosive, however. An eruption in 2009 at Kelut saw a lava dome quietly extrude in the crater lake, as also occurred at Soufrière St. Vincent volcano in the West Indies in 1971-72. A very few of the 410 crater lake eruptions are from regional rather than summit lakes, but these should be clear from the initial "place" characteristic.

The next 4 characteristics deal with explosive volcanism. **Explosive** eruptions (or "normal explosions" in the original *CAVW* terminology) is the single most common characteristic, appearing in 74% of all eruptions. Explosive eruptions and their products have received increasing attention in volcanic textbooks (e.g., Fisher and Schmincke, 1984; Heiken and Wohletz, 1985). Etna leads the list with 181 in the past 8000 years, and Aso has recorded 162 since 553 AD. As noted below under discussion of **Phreatic** eruptions, an 'X' in the Explosive column does not necessarily imply magmatic explosions.

Pyroclastic flows are hot glowing avalanches that can move down slopes at hurricane speeds, devastating all living things in their paths. They are recorded from 306 volcanoes and 1290 eruptions, a substantial increase over the 763 eruptions recorded in our 2nd edition, reflecting input from detailed stratigraphic studies. Java's Merapi has had pyroclastic flows in 30 of its 66 historical eruptions since 1548 AD, and nearly half of these 30 have been fatal. The famous West Indian volcano Mont Pelée has had more pyroclastic flow eruptions dated (50), and more than 90% of its eruptions have produced pyroclastic flows. Only 3 have been in historical time, but that of 1902 claimed 28,000 lives in only a few minutes. The term nuée ardente has been used in the *CAVW*, and by us (in the 1st edition), to cover a variety of pyroclastic-flow phenomena, including pyroclastic surges and Merapi-type dome collapse flows. Our current use of the term pyroclastic flow covers the same broad range.

Phreatic explosions result from the mixing of cold water and hot rock. The products of these explosions contain only fragmented older rock, but the source of the heat is normally near-surface magma, and this may appear in the products as small proportions of fresh glass. As the proportion of fresh material increases to dominance, either in a different phase of the eruption or in a different eruption, the words "phreatic" or "phreatomagmatic" no longer apply. We list this characteristic for 1217 eruptions from 282 volcanoes, but usage of the term is variable and most explosions are too poorly studied to know their phreatic component. Thus the presence of an "X" in the **Explosive** column does not necessarily imply a magmatic eruption. Nevertheless, phreatic eruptions are commonly associated with the "water" characteristics discussed above, and the expected relationship with crater lake eruptions is particularly clear. The 13 volcanoes with the greatest number of phreatic explosions (35% of the total) also account for nearly half of all crater lake eruptions.

In the first two editions of this book we followed the *CAVW* in using the last of four characteristics grouped with explosive activity to refer to instances of non-eruptive fumarolic (or solfataric) gas emission. Because over 100 events listed by the *CAVW* were solely fumarolic, we had restricted this entry to cases in which distant observations of apparent eruptions carried cautionary phrases such as "possibly only fumarolic activity," or different sources disagreed on whether an "eruption" emitted any solid material.

Because almost all eruptions have associated fumarolic activity, however, it seems more useful to assign the last of the four characteristics associated with explosive activity to **Caldera**-forming eruptions, which we have done in this edition. The ejection of large amounts of explosive material can leave the summit of a volcano unsupported, causing inward collapse, forming calderas (Lipman, 2000) typically one to many km in diameter. We have documented 79 such events with an "**X**" in the **Caldera** column. Caldera collapse can also occur during mostly non-explosive eruptions due to the effusion of large amount of lava, seen most commonly in basaltic shield volcanoes such as those on Hawaii. We have distinguished 8 of these more mafic (low-silica) collapse events with an "**M**" in this column.

A third type of collapse occurs when large segments of a volcano's summit collapse gravitationally, producing large-volume debris avalanches that can travel tens of km or more from the volcano and create large horseshoe-shaped collapse scarps. Volcanologists recognized the significance of these events after the 1980 eruption of Mount St. Helens and observed that they were not uncommon in the life cycle of volcanoes (Siebert, 1984; Ui et al., 2000). Often referred to as sector collapse, 71 such events are flagged with an "**A**" in the caldera column. We restrict this characteristic to edifice-collapse events of 0.1 km³ or larger. Large debris avalanches can also occur in the absence of eruptions, and we only include these events in association with documented eruptions.

The next 4 characteristics deal with the eruption of fluid lava, the most common being **Lava flows**. Lava flows occurred in only 24% of the listed eruptions, but nearly half of the volcanoes with dated eruptions have dated flows, and of course a much higher proportion have prehistoric flows. Lava flows are the dominant eruptive product around the global rift system, where new material is being added to the crust, and within the deep ocean basins. They are overwhelmed by explosive eruption products near continental margins, where crustal material is being consumed. Of the 858 volcanoes with dated eruptions, 142 have had lava flows with all eruptions and 381 have had them with none. The leading producers are Piton de la Fournaise with 148 recorded eruptions with lava flows, Etna with 130, and Mauna Loa with 109. **Lava lakes**

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are a particularly spectacular type of lava flow, forming molten lakes over submerged vents that may keep them circulating colorfully for tens of years. Lava lakes are known from 31 volcanoes, with Kilauea having 26 of the 142 recorded lava lake eruptions. The Nyiragongo lake (0203-03=) also provided useful information during its 49 year existence, and lava lakes were still active at Erta Ale (0201-08=) and Erebus (1900-02=) in 2009. We have followed the *CAVW* in also applying this characteristic to eruptions that ponded lava in pre-existing pit craters or calderas. Drilling through the crusts of such lakes as they solidified has provided valuable data on the cooling history and fractionation of magma (Wright et al., 1976; Peck et al., 1979; Helz and Thornber, 1987).

Lava **Domes** form if lava is too viscous and too limited in volume to spill substantially over the rim of its crater and move down slope as a lava flow. These steep-sided viscous masses are commonly extruded after the explosive discharge of more gas-rich magma, and may grow to make up much of the volcanic edifice. The upper 800 m of California's Lassen Peak, for example, is a dome with a basal diameter of about 2.5 km. Most lava domes are smaller and some (such as those recently active at Japan's Usu volcano) are cryptodomes that have grown largely below the surface, uplifting the ground above. Santiaguito dome, on Volcán Santa María, Guatemala, began growing in 1922, and activity continues today. We list 606 dome-forming eruptions from 201 volcanoes, led by Shiveluch with 45 and Bezymianny, also in Kamchatka, and Merapi in Java with 41. **Spines** are a minor (but sometimes spectacular) subdivision of domes, forming when a slender column of nearly solid lava is thrust upward from the top of a growing dome. After the tragic 1902 eruption at Mont Pelée, a celebrated spine was thrust 311 m high (at rates to 25 m/day) before it crumbled. We list 27 spine-forming eruptions from 18 volcanoes, but this is not a significant data field, and many smaller undocumented spines have been produced during the 606 dome-forming eruptions in the file.

The final group of 4 characteristics deals with the effects of eruptions on humans. **Fatalities** are recorded for 384 eruptions from 167 volcanoes; not a large percentage of either total, but some eruptions have been calamitous and these have not been evenly distributed in either space or time. Indonesia's Kelut and Merapi, Japan's Asama, and the Philippines' Mayon have had 15, 14, 14, and 12 fatal eruptions, respectively. These three nations, among the most densely populated in the world, are host to 44% of the world's fatal volcanoes and 54% of history's fatal eruptions. More detailed information about fatalities and their causes as well as the successes of vigorous volcano hazards programs in these and other countries in reducing fatalities can be found in the **Fatalities and Evacuations** tables (p. 329-347).

The world's population doubled in the 130 years prior to 1903, and more than 200,000 deaths resulted from volcanism, most of them in 5 major eruptions with death tolls exceeding 10,000. Since the last of these, the Mont Pelée disaster of 1902, the world's population had again doubled by the mid 1960s, but volcanism had claimed fewer than 16,000 lives. In the first edition of this book, we suggested that one reason for this dramatic reduction was increased monitoring and understanding of volcanoes, but another was simply good luck. That luck ran out, and in the last quarter century more than 26,000 lives have been lost to eruptions. Population densities continue to increase exponentially in many volcanic regions, and careful, instrumental monitoring (Ewert and Swanson, 1992) is the best defense against eruption surprises.

Damage to property or other human infrastructures, such as roads, bridges, and buildings, has been recorded for 1018 eruptions from 274 volcanoes. As with the fatality data, there is a strong association with population density, and the 3 most destructive volcanoes are Etna, Aso, and Merapi (with 70, 32, and 23 eruptions, respectively). Volcanic **mudflows,** or lahars, are a major cause of this destruction. Mudflows form in several different ways, but many large explosive volcanoes bring together their three essential components: steep slopes, extensive ash deposits, and abundant water (in crater lakes, swiftly melted ice, or the rains commonly associated with both mountain peaks and eruptions). These often combine to form dense mudflows sweeping down slope with enormous momentum that can carry them for tens of kilometers across flat arable land beyond the foot of the volcano. Volcanic mudflows are reported from 787 eruptions from more than 200 volcanoes, with 31 having come from Cotopaxi in the Ecuadorian Andes and 26 from Mayon in the Philippines. Pyroclastic flows from Cotopaxi's 1877 eruption swiftly melted the perennial ice at its 5897 m summit and soon turned the vast, fertile inter-Andean valley below into a roiling sea of mud, moving at speeds averaging 70 km/hr. The 1985 eruption of Nevado del Ruiz, destroying the town of Armero and killed 22,000 people, and the 1991 mudflows from Pinatubo in the Philippines (which continued for a number of years after the eruption) are more recent examples. Mudflows directly associated with glacier bursts, or jökulhlaups (see above), are identified in the **DIRECTORY** by a **J**, rather than the **X** used to indicate other characteristics.

Tsunami are long-period sea waves (often mistakenly called tidal waves) that travel at speeds up to 800 km/hour in the open ocean and may build to devastating heights as they slow and approach land. They form when huge masses of water are suddenly displaced, either by earthquake or by eruption. One of the most powerful eruptions of recent centuries, at Krakatau in 1883, produced lethal waves with each major explosion, killing more than 34,000 Javanese and Sumatrans. The largest wave, an estimated 15 m high in the open ocean, reached heights to 40 m on the heavily populated coast, carrying a steamship 2½ km inland and stranding it 24 m above sea level. This tsunami immediately followed the largest explosion, heard 4653 km away, which hurled ash into the stratosphere (Simkin and Fiske, 1983). The even larger eruption of Santorini, around 1600 BC, is likewise thought to have produced a major tsunami affecting the eastern Mediterranean (perhaps contributing to flood legends and the end of the Minoan civilization). Many tsunami result when large parts of the seafloor are displaced by tectonic earthquakes, some of which may also trigger eruptions. We list tsunami from 51 volcanoes and 80 eruptions, with the

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largest number from Taal in the Philippine Islands (6) and 4 each from Italy's Stromboli and Ritter Island in Melanesia. The active Volcano Island cones of Taal lie in a large lake, rather than an ocean, and damaging waves have accompanied 6 of its historical eruptions, all but one of them fatal. The Japanese word "tsunami" means "long wave in the harbor" and has the same spelling for singular and plural.

VOLCANIC EXPLOSIVITY INDEX (VEI)

The reported size, or "bigness," of historical eruptions depends very much on both the experience and vantage point of the observer. Volcanology, unfortunately, has no instrumentally determined magnitude scale, like that used successfully by seismologists for earthquakes, and it is easy to understand why one observer's "major" eruption might be another's "moderate," or even "small" event. However, there are several size measurements that can aid quantitative ranking of eruptions, such as height of eruptive cloud, volume of eruptive products, distances to which objects of a particular size were thrown, and explosive energy coupled into the air wave (measured by recording barographs). Walker (1980) has provided a thoughtful discussion of the various measures of "bigness" and both the Volcanological Society of Japan and the Smithsonian's SEAN/GVN have been attempting to gather the quantitative data needed from contemporary eruptions. However, these data exist for an unfortunately small proportion of contemporary eruptions, and that proportion decreases dramatically as one goes back in the historical record. To meet the need for a meaningful magnitude measure that can be easily applied to the past, Newhall and Self (1982) integrated quantitative data with the subjective descriptions of observers, building on an earlier scale introduced in Japan (Tsuya, 1955). The result is the Volcanic Explosivity Index (VEI), and we have assigned VEIs since Chris Newhall generously provided his data in 1979.

The VEI has some similarities to the Richter magnitude scale for earthquakes. It is a simple 0-to-8 index of increasing explosivity, each interval representing an increase of about a factor of ten. The VEI combines total volume of explosive products, eruptive cloud height, descriptive terms, and other measures (Table 8, with examples of VEI assignments in Table 9). Note that there is some intentional overlap in criteria for VEI assignments, and a combination of data is used whenever possible. Attention is paid to the records of nearby volcanoes in estimating VEI for poorly described eruptions, and a correction has been made for the fact that only the relatively important eruption records survive in the early history of most regions. Eruptions before a certain date—generally 1700 AD for most regions but different in some (1000 AD for Iceland, Europe, and Japan; 1500 for parts of Central America and México; and 1800 AD for Tonga-Samoa, Melanesia, and Kamchatka) depending on regional history—have had some VEI values increased by 1 unit and these upgraded values are indicated in our tables by an up-arrow (e.g. 3↑).

Eruptions that were definitely explosive, but carry no other descriptive information in their record, have been assigned a default VEI of 2, leading to a disproportionate number of eruptions bearing this VEI, but this also reflects that fact that the large majority of explosive eruptions are of small-to-moderate size.

The counterpart of VEI upgrading described above is the

VEI	0	1	2	3	4	5	6	7	8
General Description	Non-Explosive	Small	Moderate	Moderate-Large	Large	Very Large			
Volumn of Tephra (m^3)		$1x10^4$	$1x10^5$	$1x10^7$	$1x10^8$	$1x10^9$	$1x10^{10}$	$1x10^{11}$	$1x10^{12}$
Cloud Column Height (km) Above crater / Above sea level	<0.1	0.1-1	1-5	3-15	10-25		>25		
Qualitative Description	"Gentle,"	"Effusive"	"Explosive"			"Cataclysmic," "paroxysmal," "colossal"			
						"Severe," "violent," "terrific"			
Eruption Type (see fig. 7)	Hawaiian	Strombolian	Vulcanian		Plinian		Ultra-Plinian		
Duration (continuous blast)		<1 hr	1-6 hrs	6-12 hrs		>12 hrs			
Maximum explosivity	Lava flow / Dome or mudflow	Phreatic			Explosion or Nuée ardente				
Tropospheric Injection	Negligible	Minor	Moderate	Substantial					
Stratospheric Injection	None	None	None	Possible	Definite	Significant			
Eruptions	976	1239	3808	1083	412	168	50	6	0

Table 8. Volcanic Explosivity Index (VEI) criteria (Newhall and Self, 1982).

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VEI	Tephra Vol. (km^3)	Volcano	Region	Year
0	Effusive	**Masaya**	Nicaragua	1570
1	>0.00001	**Poás**	Costa Rica	1991
2	>0.001	**Ruapehu**	New Zealand	1971
3	>0.01	**Nevado del Ruiz**	Colombia	1985
4	>0.1	**Pelée**	West Indies	1902
5	>1	**St. Helens**	United States	1980
6	>10	**Krakatau**	Indonesia	1883
7	>100	**Tambora**	Indonesia	1815
8	>1000	**Yellowstone**	United States	Pleistocene

Table 9. Holocene eruptions in VEI size classes.

downgrading (by one VEI unit) for those eruptions in which substantial tephra volumes were accumulated over long periods of time and/or much of that volume was in near-vent cone construction. Paricutin, the volcano born in a Mexican cornfield, is a good example: it produced 1.3 km^3 of tephra (VEI 5 magnitude), but over a 9-year eruption, and is consequently assigned a VEI of 4. The VEI emphasizes explosivity, and eruptions that produce their tephra over a long period normally have less impact than those producing an equivalent volume in a shorter, more violent lifetime. Recent observations at Redoubt and Pinatubo volcanoes have shown that, although pyroclastic flows are emplaced along the surface, elutriating ash clouds can produce ash columns comparable to those of large, vertically directed explosions. Pyroclastic-flow deposit volumes are thus included with tephra-fall volumes as indicators of eruption magnitude.

The VEI was developed, in fact, to aid studies of climatic impact from volcanism. It was conceived by volcanologists as a purely volcanological measure of explosive eruption magnitude, in order to avoid the circularity of using climatic effects to measure eruptions and then using that measure to confirm the influence of volcanism on climate. It has proved to be a helpful approximation of eruption size, particularly useful in allowing assignments based on incomplete information from the historical record, but it had barely been introduced when it quickly showed its limitations as a measure of climatic influence. The 1982 eruption of México's El Chichón, although very close to the 1980 eruption of Mount St. Helens by VEI measures, produced a dramatically larger aerosol cloud. Because of the many sophisticated tools available in the 1980s for monitoring the atmosphere and stratosphere, it was soon recognized that the critical difference between these two events was that El Chichón contributed roughly 10 times the SO_2 that St. Helens did to higher altitudes. SO_2 reacts with stratospheric H_2O to produce an aerosol of H_2SO_4, and it is this fine mist, distributed as a broad stratospheric layer, that acts as a shield to solar radiation, thereby cooling the Earth's surface below. The lesson of these two eruptions showed that eruptive volume, cloud height, and the other eruption descriptors of the VEI provide an inadequate measure of climatic impact. What is needed is the incorporation of an eruption's SO_2 production into its magnitude, but that is proving difficult to do. Although SO_2 can be measured in contemporary eruptions (e.g., Bluth et al., 1992), it is difficult to assess for the past, so we have retained the VEI here as the most useful measure available for eruptions through the full Holocene record.

An "*" following a VEI unit indicates that there are two or more VEI assignments for that eruption, as in the common example of a short, paroxysmal eruption accompanied by lower level activity over months or years. In the **DIRECTORY**, the "*" follows the maximum VEI for an eruption, and alerts the reader that more information on the eruption can be found in the **CHRONOLOGY** section. An italicized line in the **CHRONOLOGY** warns the reader that this event is part of a longer eruption, and that preceding, and possibly succeeding, VEI data may be found in the **CHRONOLOGY** between the start and stop dates listed in the **DIRECTORY**. VEI data for paroxysmal phases are entered mainly for the large, well-studied eruptions, and the data used to establish VEIs for separate eruptive phases are not available for the vast majority of eruptions in our file. Italics are used in the **CHRONOLOGY** to identify lesser entries; only the single largest event during an eruption is listed in normal type. If the level of activity differs significantly from year to year (in a continuing eruption), the VEI assigned to that year is entered as a separate line and no **Cont**inuing year entry appears.

A "**?**" accompanies those VEIs that were particularly difficult to assign or are based on purely circumstantial evidence. For example, a VEI of 1? might have been assigned to an undescribed eruption because a nearby contemporaneous eruption received sufficient historical comment to confidently assign a VEI of 2. For roughly a quarter of the eruptions in our file, there was simply no evidence on which to base a VEI, and this column was left empty.

A "**+**" following a VEI indicates an eruption volume in the upper third of the range for that particular VEI designation. It shows those eruptions known to be larger than most others with the same VEI numeral, but its absence does not necessarily indicate a relatively small event. The designation is used only for VEIs ≥4, and volume data permit adding it to only 54 events, but it is helpful to identify the obviously larger events in volume ranges that span a full order of magnitude.

Bold type is used in both **DIRECTORY** and **CHRONOLOGY** listings to emphasize VEIs of 5 and above. We have also used letters in the VEI column to identify eruptions known to have been large (probably VEI ≥4) but lacking the reported data necessary to assign a specific VEI. Eruptions associated with caldera collapse are normally large, and those for which we have been unable to assign a VEI are here indicated by a bold "**C**" in the VEI column. The same is true for plinian deposits and, in the absence of more quantitative data, we have marked such eruptions with "**P**" in the VEI column. When both caldera collapse and plinian eruptions occur, the letter "**C**" takes precedence, but in neither case (and particularly with plinian eruptions) can these letters be used as a comprehensive listing of such characteristics. Finally, as mentioned above under **DATING TECHNIQUES**, we have entered in the **CHRONOLOGY** some of the largest eruptions known only from ice core research. These are marked

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by an "**I**" before the date and "Source unknown" message under "**VOLCANO NAME**." These 78 dates are largely from the Zielinski et al. (1994, 1996) reports on the GISP2 core from Greenland. They represent SO_4^{2-} residuals ≥90 ppb, a figure chosen (somewhat arbitrarily) to include some historical low-latitude events with VEI ≥4 while excluding high-latitude events of VEI ≤3 from Iceland and Alaska. Several dates marked with SP (South Pole) are primarily from the work of Delmas et al., 1992. These are sulfate levels >200 ng/g (not directly comparable to the GISP2 measurements). This limit was chosen because several historical eruptions as close to GISP2 as to the South Pole failed to exceed the 90 ppb cutoff used there, and were in the 100-190 ng/g range at the South Pole. Despite the apparent precision of ice-core dates, they are accompanied by dating uncertainties of often unstated magnitude.

The largest Holocene eruptions were of VEI 7 magnitude, and only one of these, Indonesia's Tambora in 1815, was recorded historically. Other Holocene VEI 7 eruptions include Changbaishan (or Baitoushan) on the China/Korea border ca. 1000 AD, Santorini in Greece, ca. 1610 BC, Kikai in Japan ca. 4350 BC, Crater Lake in Oregon ca. 5677 BC (ice core date), and Kuril Lake in Kamchatka ca. 6440 BC. Even larger volume eruptions (VEI 8) have been recorded during the Pleistocene, but only two of these have currently been documented during the past 100,000 years. The well-known Toba eruption about 74,000 years ago produced 2500-3000 km^3 of magma (Chesner and Rose, 1991), and the latest known VEI 8 eruption, at Taupo volcano in New Zealand, produced the Kawakawa (Oruanui) Tephra about 22,600 years ago (Wilson, 1993). VEI's of 5 or more have been assigned to 225 Holocene eruptions from 118 volcanoes. At the time of our 2nd edition, New Zealand, with a relatively small number of volcanoes but a well-developed tephrochronologic record, led the list with 9% of these eruptions, but vigorous stratigraphic studies of Kamchatka volcanoes have pushed this region to the top of the list, with 17% of the world's total. Shiveluch volcano alone has nearly half of these. Taupo's youngest VEI 5 eruption (ca. 230 AD) was thought by Walker (1980) to be the most powerful eruption known (80% of its products—or 20 km^3 of tephra—having been distributed farther than 220 km from its source). At least 635 eruptions carry a VEI of 4 or more. As with VEI 5 eruptions, Shiveluch volcano dominates this list, with 43 eruptions of VEI 4 or higher. Fully half of the volcanoes for which we have VEI data have had "large" eruptions in the VEI range 3-7. Magnitude and frequency of eruptions is discussed in more detail below.

One further limitation of the VEI must be mentioned. Radar measurements of cloud heights, such as those made of the eruptions following the May 18 paroxysm at Mount St. Helens in 1980, have shown that rather small events can produce plumes that reach quite high altitudes, and these observations have been supported by grain-size measurements and the modeling of eruption dynamics (Sigurdsson, 1991). The upper limits of cloud height used in the original VEI designations (Table 8) are too low, with the result that some VEIs assigned on the basis of cloud height are one (or even two) units higher than they would have been on the basis of tephra volume. If both measures are known, volume is used to assign VEI, but for many events in recent decades only cloud height is available. This means that some VEIs, particularly in the 3-4 range, are higher than they should be. The VEI structure has not been revised, however, and we have not undertaken the large job of rechecking VEI assignments based on cloud height. Instead, we use the VEI as a helpful guide to explosive magnitude for three-fourths of known Holocene eruptions. It should not be used to indicate size of effusive, lava-producing eruptions, its limitations in assessing climatic impact have been discussed above, and some assignments are no doubt off by one or even two units. Because no alternative measure can be applied to more than a small proportion of Holocene events, if used with reasonable caution, it is a valuable indicator of eruptive magnitude.

VOLUME of PRODUCTS (Vol L/T)

Accurate measurement of eruptive volumes requires careful field work and is often subject to irresolvable uncertainties. The many difficulties of making accurate measurements have, unfortunately, inhibited the reporting of even rough estimates, and we have volume information for fewer than a fifth of the eruptions in our file. Volume estimates can be made, however, thousands of years after the eruption, and the number of these estimates is increasing rapidly as volcanologists piece together the Holocene histories of important volcanoes. We have tephra volume data (VT) for 1338 eruptions and lava volume data (VL) for 1023 eruptions, 13% and ~10%, respectively, of all eruptions. We have volume data from 394 volcanoes, although more than a quarter of the volumes are from 7 vigorous, well studied volcanoes: Shiveluch (89), Etna (85), Kilauea and Fournaise (54 each), Oshima (39), Mauna Loa (32), and Merapi (31).

Although full volume data, including references, are entered in the database, only the order of magnitude is displayed here. Thus a lava volume of 1,300,000 cubic meters, or 1.3×10^6 m^3, appears in the appropriate "V/L" column simply as "6." This means that an eruption volume may be nearly 10 times larger than the exponent value shown, but there is such large initial uncertainty in most eruptive volumes that we preferred to display, in the limited space available, at least this order-of-magnitude estimate as a crude indication of both eruption size and the availability of volume estimates. In a relatively few number of cases the original source lists only order of magnitude data.

Volumes of 10^9 m^3 (1 km^3) or larger are emphasized in the **DIRECTORY** and **CHRONOLOGY** by use of bold type. VEIs of 5 and above have received this treatment (see above), so doing the same for non-explosive, effusive eruptions assures that all events likely to have produced a cubic kilometer of material are emphasized by bold type in the VEI or Volume columns on the right-hand side of our tables.

The measurements needed to determine volume are difficult to make in the field. Thick deposits often hide their own true thickness, and thin, distal deposits are by nature ephemeral

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(although often comprising a significant proportion of the total volume). Much ash falls in the sea, where measurements are difficult, costly, and often rendered inaccurate by sea-floor processes such as bioturbation. In addition to these uncertainties, tephra volumes are generally listed without correction for three important factors: (a) vesicularity (the void space occupied by air bubbles, or vesicles, in pumiceous material); (b) the extraneous fragments of older rock included accidentally in the deposit; or (c) compaction of ash layers with time. The tephra volume displayed, therefore, may be substantially larger than the volume of new magma emitted.

The volume figures listed here vary widely in size. Iceland accounts for both the smallest and largest historical lava volumes known; from the 26 m^3 of magma extruded from a Krafla borehole in 1977 (Larsen et al., 1979) to the ~15 km^3 of lava from Lakagigar in 1783 (Thordarson and Self, 1993). The largest historical lava flows, however, are dwarfed by some in the prehistoric, geologic record. Fifteen million years ago, single flows measuring 700 km^3 flooded a 1000 km^2 area of the northwestern United States in only a few days (Swanson and Wright, 1978). The same is true of large explosive eruptions. Tephra from history's largest eruption, Tambora 1815, exceeded 100 km^3, but only about 21,600 radiocarbon years ago about 1170 km^3 of tephra was erupted from Taupo volcano (Wilson, 1993), and 74,000 years ago another Indonesian volcano, Toba, erupted 2,800 km^3 of rhyolitic magma (Chesner and Rose, 1991; Ninkovich et al., 1978). Two million years ago a Yellowstone eruption produced 2,500 km^3 of magma in devastating ash flows, the like of which have (fortunately) never been seen in history (Izett and Wilcox, 1982; Christiansen, 2001). A much more recent eruption from Yellowstone, 0.64 million years ago (Ma), was nearly as large, and numerous Oligocene eruptions in the western U.S. were even larger (G. Izett, 1992 pers. comm.).

Volume data are available for fewer than one-fifth of the eruptions in our file and a far smaller proportion of all eruptions, unrecorded as well as recorded, in Holocene time. This fact should caution against misuse of volume data, and the reader should also be cautioned about a possibly confusing convention that we have used for volume data in the **CHRONOLOGY** section. The volume data for the whole eruption has been repeated when a continuing eruption is repeated in a following year or years. These repetitions are clear because the line is italicized (see also discussion in VEI section above), and we have deleted some repeated volumes that we know are inapplicable (such as the early volumes for the Tambora eruption that began in 1812 but produced its major tephra volume in April of 1815). For most eruptions, however, we have not been able to apportion the volume in successive years, and we have thought it better to repeat the total (with cautionary italics) than to assign it arbitrarily to the eruption's start date.

Historical Record: Trends and Cautions

The past four decades of Smithsonian compilation of volcano and eruption data provide context for assessing issues of regional and global volcanism; the tables and references presented here and on the on-line version of *Volcanoes of the World* provide windows into temporal or spatial evaluation of our planet's volcanism. The events of the present provide some of our best clues in interpreting Earth's past volcanism. The detailed documentation of volcanic processes and events at historical eruptions from eyewitness accounts, photographs, and instrumental documentation all build a picture of the processes, rates, and interrelationships of events that cannot be found from the products alone. This context is essential in understanding volcanism and assessing the likelihood and character of future activity.

The value of documentation of the recent volcanological record is clear. However, its limitations are not as apparent and require continued emphasis to caution anyone brash enough to mistake the record for the reality. Perhaps the best illustration of the record's limitations come from the data themselves. In Figure 9, the last 600 years of apparent global volcanism are shown by the number of volcanoes known to have been active each year. At first glance the nearly exponential increase through recent centuries suggests that the planet may soon be overwhelmed by volcanic activity, but this increase tracks the striking growth of global population that has spread potential observers of eruptions over much of the Earth and the technological advances that have facilitated reporting of those eruptions.

Another indicator of the growth of the volcanic record is the increase in number of historically active volcanoes around the world (Figure 9). If a list of such volcanoes had been continuously kept, it would, at the time of Christ, have contained only the names of 9 Mediterranean volcanoes and West Africa's Mount Cameroon. In the next ten centuries the list would have grown by only 30 names, 18 of them Japanese. Although newly settled Iceland soon added 7 volcanoes, the list totaled only 63 by 1400 AD, where Figure 9 begins.

A dramatic, roughly 5-fold increase in both the number of historically active volcanoes and their recorded eruptions took place about 1500 AD. These increases resulted in part from the great Spanish/Portuguese marine Age of Discovery explorations around the end of the 15th century, when Columbus, Balboa, Vasco da Gama, Magellan, and others opened Latin America and much of the western Pacific to European record-keeping. But perhaps equally important was the development and widespread distribution of the printing press in the late 15th century, markedly increasing the likelihood that new volcanological records would survive. Through the 17th and into the early 18th century, the identification of new volcanoes outpaced the list of reported eruptions, but by the 18th century global trade was flourishing, the Industrial Revolution was under way, and the reporting of new eruptions swiftly

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dominated the discovery of new volcanoes. The list has continued to grow, with several important volcanic regions such as New Zealand, Alaska, and Hawaii being unrepresented until the last 250 years.

Examination of the geologic record for many regions shows major periods of Earth history in which volcanism is clearly concentrated (e.g., Kennett, 1981; Kennett et al., 1977; Vogt, 1979). The last 200 years, with humans distributed over most of the globe and relatively efficient communication lines in use, would seem to be the best suited to search for episodic, or cyclical, trends in global volcanism. However, even in the last two centuries, we find historical trends in reporting overshadowing any real trends in volcanism.

Figure 10 shows the detailed record of volcanism over the last 200 years. The overall trend of increased reporting, so dominant in Figure 9, is evident, but we notice that the two most prominent drops below that rising trend correspond precisely with the two world wars of this century. In times of great international instability, the people (and presses) that might otherwise have reported natural phenomena were preoccupied with other things. In the years 1941-45, for example, the number of volcanoes reported active in the western Pacific and Indonesia dropped by nearly one-third from the preceding 5 years, while regions less affected by the war showed little change. With more observers in more unusual areas during World War II, it seems likely that more eruptions than normal were actually witnessed, but it is easy to appreciate why many of these eruptions were never recorded in the scientific literature.

Great economic crises, like wars, might also be expected to interfere with the reporting of natural events. One of the most precipitous drops in reported volcanism took place following the stock market collapse of 1929 and during the ensuing Great Depression. From the late 1920's to the early 1930's, every volcanic region in the world (except those of Russia, Melanesia, and the West Indies) showed a drop in the number of volcanoes reported active. Because reporting of volcanism depends on humans, it seems reasonable to expect that widespread preoccupation with war or economic depression would have decreased reporting effectiveness, resulting in apparent reductions in global volcanism. For the same reason, it seems reasonable to expect that times of increased global sensitivity to volcanism would result in enhanced reporting of eruptions. Two of the most notorious eruptions of recent centuries were at Krakatau in 1883 (more than 36,000 victims) and Mont Pelée in 1902 (about 29,000 victims). They received widespread global publicity for years afterwards and the resulting increased sensitivity to volcanism may be at least partially responsible for the relatively high level of reported volcanism for 5-to-7 years after each eruption occurred (Figure 10).

More recent major eruptions, such as Mount St. Helens in

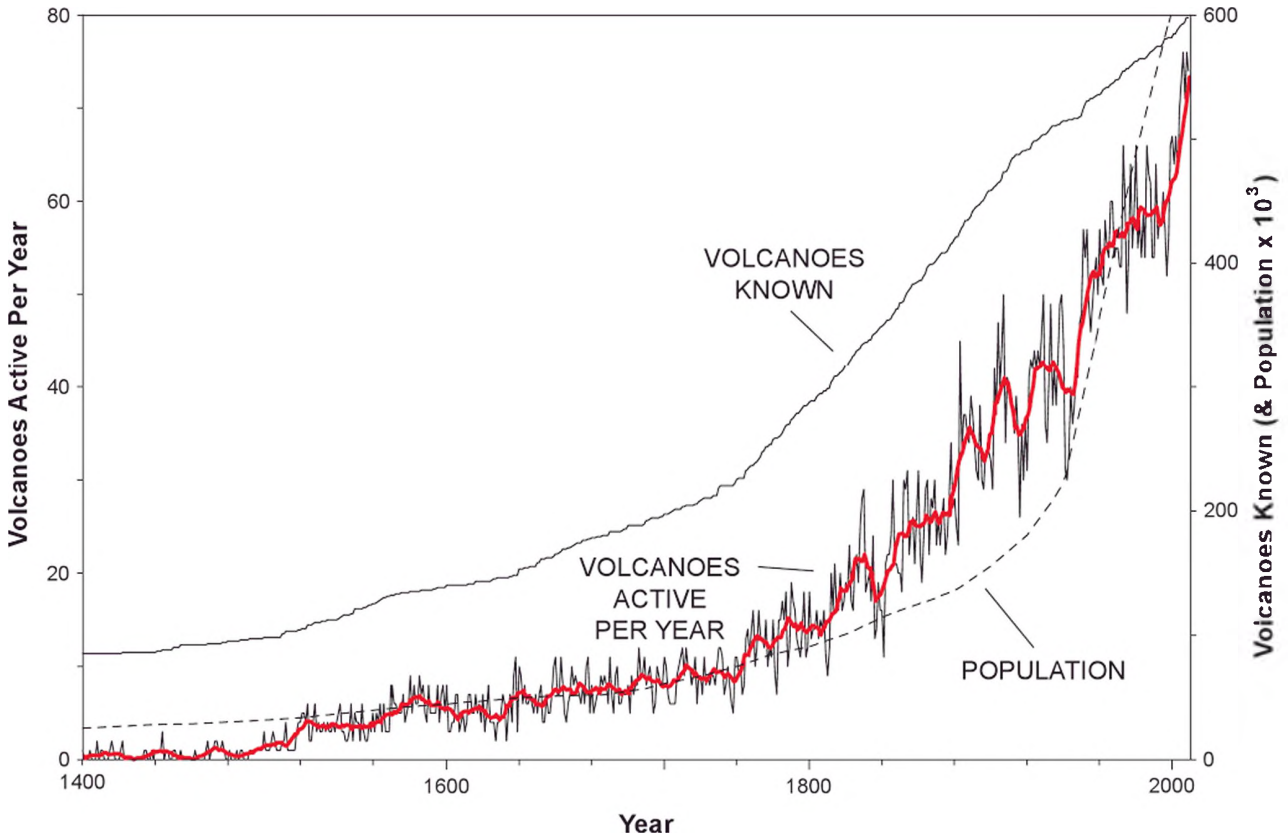

Figure 9. 600 years of volcano reporting. Total number of volcanoes erupting per year (black line) and 10-year running mean of same data (red line). Eruption dates with an uncertainty >1 year or uncertain eruptions (those preceded by a "?" in the tables that follow) have not been included. A volcano with more than one eruption recorded in a year is counted only once. "Volcanoes known" is the total number with a historically recorded eruption by any given year. World's estimated human population data from McEvedy and Jones (1978) and (since 1750) Population Reference Bureau, Washington, D.C.

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1980, have not had this effect, in part due to more systematic cataloging and media focus on volcanic events. The newsworthiness of an eruption depends more on its location and human impact than on its size. The 1980 eruption of Mount St. Helens, for example, generated enormous media attention, while the remarkably similar 1956 eruption of Bezymianny in sparsely populated Kamchatka, in which no lives were lost, was hardly noticed by the world press. Similarly, the 1991 eruption of Mt. Pinatubo, with its many fatalities and effects on nearby military bases, was front page news, but the eruption of Cerro Hudson that year in isolated southern Chile created barely a ripple in international interest.

This leaves the peak in the late 1820s and the sharp rise in the early 1950s (Figure 10) as the most prominent changes in apparent volcanism with no obvious relationship with historic events likely to influence eruption reporting either positively or negatively. The Alaskan peak reflects the observations of Lutke's exploring expedition to the Aleutians covered in their subsequent 1834-36 reports, which dramatically increased by a factor of four or more the number of reported Aleutian eruptions from the years bracketing the expedition. The distinct change in eruption documentation that occurred during the 2nd half of the 20th century was marked by a sharp rise in eruptions followed by a transition from the previous pattern of peaks and valleys to a more uniform one. This corresponds to the combined onset of three venues of global eruption documentation—the beginning of the *Catalog of Active Volcanoes of the World* series with eruption-rich Indonesia in 1951, publication of the annual *Bulletin of Volcanic Eruptions* of the Volcanological Society of Japan in 1960, and Smithsonian cataloging beginning in 1968.

At the time of our 2nd edition, the annual number of eruptions appeared to have plateaued for the previous three decades, suggesting that documentation of a uniform global eruption rate may have been realized. The new data of Figure 10, however, show an unanticipated rise in eruptions since about 2000 AD. Several new reporting effects appear to have contributed to this increase. These include the increased utilization of remote-sensing satellite data from volcano observatories, the onset of systematic reporting of volcanic ash plumes by the Volcanic Ash Advisory Centers (VAACs) to mitigate aircraft-ash interactions, and the deployment of NASA's first Earth Observing System (EOS) satellite 'Terra,' which was launched in December 1999. The SOEST MODIS thermal alerts have detected volcanic eruptions in sparsely populated or rarely visited regions, such as the effusive and explosive activity from glacier-covered Montagu Island in the South Sandwich Islands. These collective "eyes in the skies" have detected eruptions that might otherwise go unreported. Another contributing reporting factor may have been the onset of more systematic weekly documentation of current volcanism by the Smithsonian and USGS in 2000.

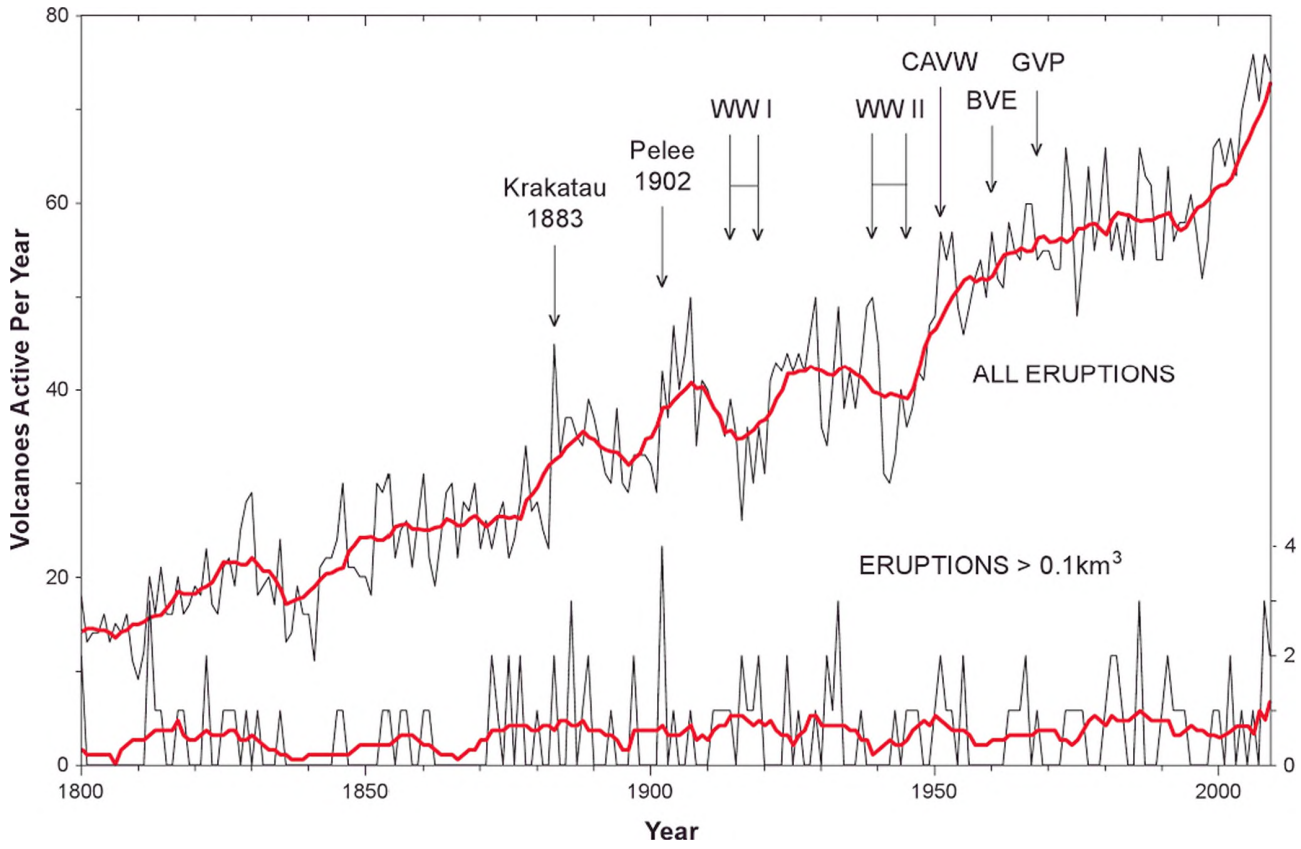

Figure 10. Last 200 years of volcano reporting. Total number of volcanoes erupting per year (upper black line) and 10-year running mean of same data (upper red line). Lower plot shows the annual number of volcanoes producing large eruptions (≥0.1 km³ of tephra) and scale is enlarged (on right axis) with lower red line showing a 10-year running mean.

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Thus all major trends in our recent volcanological record can be reasonably explained by socioeconomic and exploration influences. The apparent increase in activity reflects increases in people living near volcanoes to observe eruptions and improvements in communication technologies to report those eruptions. However, the best evidence that these trends are apparent rather than real comes from the record of large eruptions alone. At the base of Figure 10 we plot the data for eruptions producing more than 0.1 km^3 of tephra, using the same conventions as the plot of *all* eruptions above it (but at an expanded vertical scale). The effects of these large (VEI ≥4) eruptions are far reaching and thus they are less likely to escape documentation even in remote areas. Their constancy over the past two centuries is a better indicator of the global frequency of eruptions than the apparent increase of smaller eruptions.

VOLCANOES and HUMANS

The number of people living in proximity to volcanoes has risen commensurate with increases in global population. New global population data sets allow regional and global assessment of persons living near volcanoes. The LandScan population dataset produced by the Oak Ridge National Laboratory was applied to the Smithsonian Holocene volcano database to calculate a Volcano Population Index (VPI) surrounding volcanoes at radii of 5, 10, 30, and 100 km (Table 2). Calculations were made here for individual volcanoes at VPI_5, VPI_{10}, VPI_{30}, and VPI_{100} radii; regional comparisons were then made, compensating for overlapping intersecting radii of individual volcanic centers to avoid double-counting of persons living within proximity to more than one volcano (Siebert et al., 2008). The data also factor population densities at volcanic fields with large numbers of vents over broad areas, oceanic shield volcanoes with large footprints, and large silicic calderas. For volcanic fields, minimum population densities were calculated for those living within a rectangle encompassing the known footprint of the volcanic field or a circle of 20 km (the average radius of database volcanic fields with documented dimensions). Volcanoes with uncertain Holocene eruptions were excluded from these calculations. It must be emphasized that radial point-source data such as these do not take into account regional/seasonal tephra wind-dispersal factors or topographically controlled volcaniclastic flowage phenomena and thus represent relative risk.

Preliminary data show that >47 million people reside within a VPI_5 radius of ~1300 Holocene volcanoes (or volcanic-field vents). Persons living within this distance are subject to potentially lethal volcanic effects from even small to moderately large eruptions (VEI 2-3) and are most likely to require evacuation measures. About 58 million live within a VPI_{10} radius, where evacuation may be needed for small-to-moderately large eruptions. More than 200 million live within a VPI_{30} radius, subject to infrastructure-threatening tephra accumulations and distally diminishing pyroclastic flows from VEI 4-5 eruptions (Newhall and Hoblitt, 2002). About 753 million (>11% of the 6.5 billion world population) live within a VPI_{100} radius, with significant potential impact even in distal areas from tephra accumulation from large-volume (VEI 5-6) eruptions. Regional VPIs mimic global population distribution and are highest at VPI_5 and VPI_{10} in México/Central America and at VPI_{30} and VPI_{100} in Indonesia (Table 10).

These data allow assessment of global volcanic risk with respect to specific volcanic processes. More than 12 million people live within 10 km of 314 volcanoes or volcanic fields that have had documented pyroclastic flows during the Holocene, with the largest number of these being in México and Central America. This hazard is widespread, with 13 of the world's 19 regions containing volcanoes for which half or more of their eruptions (of volcanoes with at least 5 documented eruptions) have produced these devastating flows. The greatest number of people living near an individual pyroclastic-flow-producing volcano are the nearly one million residing within 10 km of El Salvador's Volcán San Salvador, which overlooks the capital city of the same name. San Salvador overtops deposits from the major caldera-forming eruptions of Ilopango volcano to the west. The 12 million global figure does not include the roughly 5.7 million people living within the massive Michoacán-Guanajuato volcanic field in México, which has produced small pyroclastic flows.

Nearly 17 million people live within 30 km of 65 volcanoes

Volcanoes with Post-1500 AD Eruptions (n = 589)

VPI_5		VPI_{10}		VPI_{30}		VPI_{100}	
Region	Popl	Region	Popl	Region	Popl	Region	Popl
Mexico/Central America	8,963,970	Mexico/Central America	10,067,371	Indonesia	48,543,028	Indonesia	173,900,211
Philippines & SE Asia	2,588,904	Indonesia	4,947,238	Mexico/Central America	24,192,929	Japan	80,710,010
Europe	2,384,784	Philippines & SE Asia	3,463,392	Philippines & SE Asia	10,651,359	Philippines & SE Asia	73,743,688
Indonesia	2,111,700	Europe	2,802,081	Japan	9,703,526	Mexico/Central America	73,584,057
Arabia/Indian Ocean	1,360,511	Arabia/Indian Ocean	1,360,511	Europe	6,002,350	Africa	41,427,447

Holocene Volcanoes (n = 1295)

Mexico/Central America	12,855,939	Mexico/Central America	15,073,682	Indonesia	63,540,182	Indonesia	179,374,526
Philippines & SE Asia	8,291,857	Indonesia	10,051,210	Mexico/Central America	40,215,827	Philippines & SE Asia	110,799,197
Indonesia	5,895,487	Philippines & SE Asia	9,969,791	Philippines & SE Asia	31,817,156	Africa	99,846,719
Arabia/Indian Ocean	5,637,008	Africa	6,584,494	Africa	19,636,196	Japan	93,601,463
Africa	5,377,753	Arabia/Indian Ocean	5,641,014	Japan	13,800,588	Mexico/Central America	89,104,387

Table 10. Volcano Population Index (VPI) data by region. Volcanoes with post-1500 eruptions as a proxy for "historically active" volcanoes. Holocene volcanoes exclude those with uncertain Holocene eruptions. Totals may include residents of the adjacent region living within the pertinent radius of a region's volcano.

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that have had dated Holocene caldera-forming eruptions; about half of these are in Europe/W Asia and the Philippines. Almost 5 million people live within 30 km of Vesuvius and Etna volcanoes, which had relatively small caldera-forming eruptions during the Holocene, and Campi Flegrei caldera, which partially underlies the city of Naples, had a major caldera-forming eruption about 12,000 years ago. About 2.4 million people in the greater Manila area live in proximity to Taal volcano, which had a caldera-forming eruption about 5500 years ago, and more than a million more reside near Pinatubo volcano, where successful monitoring by Philippine and USGS volcanologists prevented major fatalities during its 1991 caldera-forming eruption. The numbers of people susceptible to caldera-forming eruptions would be much higher were it not that many regions with large numbers of caldera-forming volcanoes, such as Kamchatka and the Aleutians, are fortuitously sparsely populated.

The five highest regions with population within VPI_5, VPI_{10}, VPI_{30}, and VPI_{100} radii are shown with post-1500 eruptions as a proxy for "historically active" volcanoes and for Holocene volcanoes (Table 10), excluding those with uncertain Holocene eruptions. Population data are discriminated to eliminate duplicate counting for overlapping radii.

Only three regions (Indonesia, Philippines and SE Asia, and México/Central America) make the top five in all categories shown here, and only seven of the world's 19 volcanic regions populate the top 5 list in any category. México/Central America is the region with the highest potential risk for residents in close proximity to volcanoes or volcanic-field vents (VPI_5 and VPI_{10}). Indonesia has the highest risk from larger-volume eruptions affecting broader areas (VPI_{30} and VPI_{100}); in fact the entire more than 130 million population of Java, the world's most populated island, lies within 100 km of a Holocene volcano. Only 7 of 19 global regions from the IAVCEI volcano catalog make the top five in any of the categories, with Africa and Arabia/Indian Ocean making perhaps non-intuitive appearances reflecting the proximity of volcanoes or large volcanic fields to large African rift cities, such as Adis Abeba in Ethiopia and Nairobi in Kenya, the Saudi Arabia cities of Al Madinah and Makkah (Mecca), and the Yemeni capital of Sana'a.

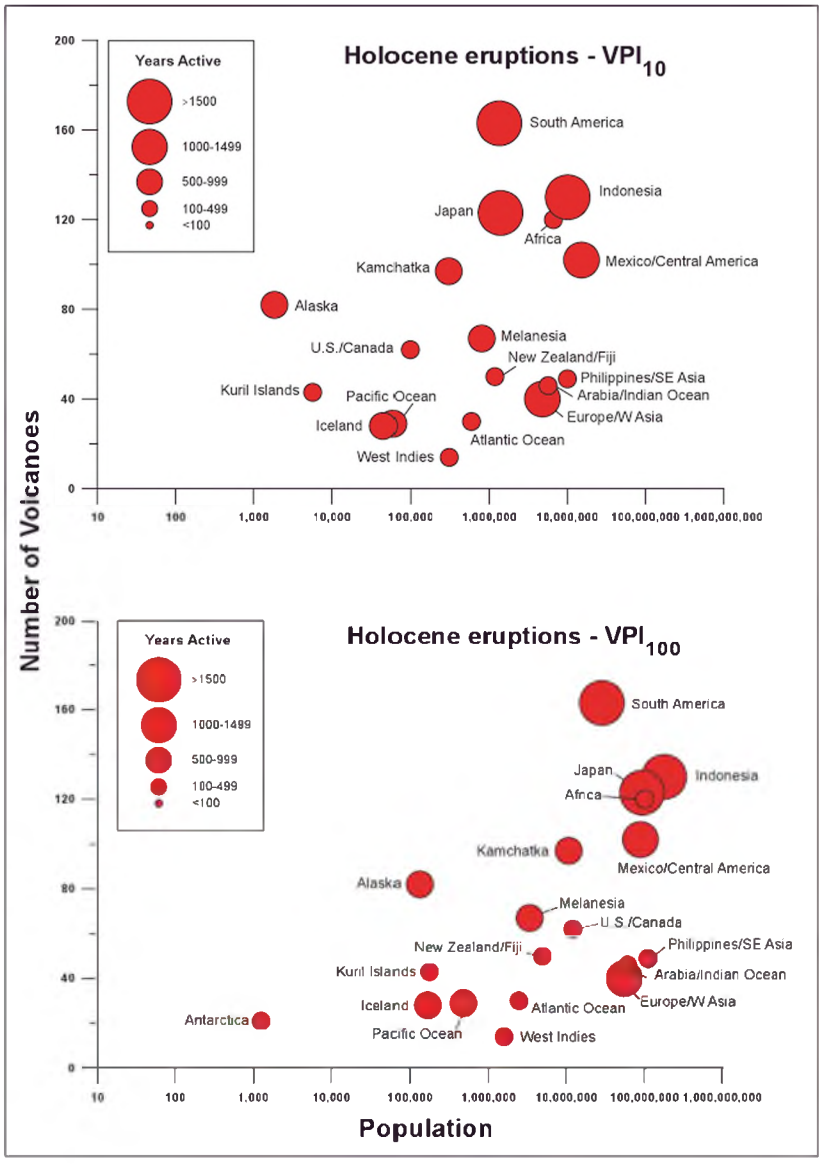

Figure 11. Regional population data for Holocene volcanoes at 10 km radius (top) and 100 km radius (bottom). Circle size indicates number of cumulative Holocene years active within each region.

We examined population densities near volcanoes with respect to the degree of activity of those volcanoes. Population in volcanic regions residing within 10 km (top) and 100 km (bottom) of Holocene volcanoes is shown in Figure 11 and for "historically active" volcanoes with eruptions since 1500 AD in Figure 12. The data are corrected to eliminate multiple counting of residents living within 10 and 100 km radii of more than one volcano. The diameters of the circles are proportional to "years active," the cumulative number of eruption years during the Holocene (Figure 11) and the cumulative years active since 1500 AD (Figure 12).

All plots show a similar trend, somewhat disturbing from a volcanic hazards perspective, with the largest populations at risk from volcanoes living adjacent to the most active volcanoes. Densely populated Indonesia, Japan, México/Central America, and Europe/W Asia, along with South America (with its higher number of volcanoes) are all regions with the most frequently active volcanoes (those with more than 1000 cumulative years active). Several factors could contribute to these trends. Ash from volcanic eruptions provides soil nutrients, increasing the numbers of persons working and living on their flanks, and volcaniclastic deposits can create flat land in otherwise more mountainous terrain, providing favorable

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topography to construct towns and cities. The now-destroyed capital city of the island of Montserrat was constructed on virtually the island's only flat terrain (provided by previous eruptions of Soufrière Hills volcano), and the city of Armero, devastated by mudflows from Nevado del Ruiz volcano, was built on mudflow deposits from an eruption a little more than a century earlier.

VOLCANOES and AIRCRAFT

In recent decades, interactions between aircraft and volcanic ash emphasize the fact that hazards from volcanic eruptions are not restricted to people living near volcanoes, but also include those in transit over volcanic or even non-volcanic areas. The 1982 near-catastrophic jumbo jet ash encounter at Galunggung volcano in Indonesia, in which a commercial aircraft temporarily lost power in all four engines and glided silently for an agonizing 13 minutes before the engines were successfully restarted at lower altitude, kick-started interest in assessing and averting this risk. A similar incident over Redoubt, in Alaska in 1989, resulted in $80 million damage to the aircraft.

The impact of aircraft/ash interaction extends beyond physical damage of aircraft to the severe economic disruption caused by diversion and cancellation of flights. The sparse population of volcanic regions such as Alaska, Kamchatka, and the Kuriles does not immunize them from volcanic hazard, because their explosive volcanoes directly threaten heavily traveled great-circle air routes over the north Pacific. Aircraft-ash interactions are furthermore not restricted to volcanic regions. By September 19, 1992 an ash cloud erupted days earlier from Alaska's Mt. Spurr had drifted 5,000 km to northern Ohio (among the busiest airspaces in the world) and diversions around this very visible cloud resulted in major costs of rerouting delays. Volcanic ash drifts into air routes at altitudes greater than 30,000 ft for roughly 20 days per year worldwide (Miller and Casadevall, 2000), and by the end of 2003, 105 interactions between aircraft and ash had been recognized (Casadevall, 1994; Miller and Casadevall, 2000; Guffanti et al., 2004). More recently, the 2009 eruption of Redoubt volcano caused cancellation of hundreds of flights at Anchorage International Airport, highlighting the importance of volcanic monitoring by the USGS Alaska Volcano Observatory to detect explosive eruptions in this major international air corridor. An even more dramatic aviation/ash event took place during this writing (but after the eruption chronology included in this book) when Eyjafjallajökull volcano in Iceland erupted, producing ash plumes that drifted over Europe, causing cancellation of more than 100,000 flights, with severe economic ramifications.

Volcanologists, meteorologists, and the civil aviation industry have devoted much effort to mitigating the impact of volcanic ash plumes. In 2007 NOAA issued a multi-agency *National Volcanic Ash Operations Plan for Aviation*, of which the Smithsonian's Global Volcanism Program was a signatory, to help eliminate aircraft encounters with ash by improving the ability to detect, track, and forecast hazardous ash clouds and to provide adequate warnings to the aviation community on the known and projected transport of the ash cloud. An issue of the *Journal of Volcanology and Geothermal Research* (Webley and Mastin, 2009) was recently devoted to multi-agency efforts to improve prediction and tracking of volcanic ash clouds.

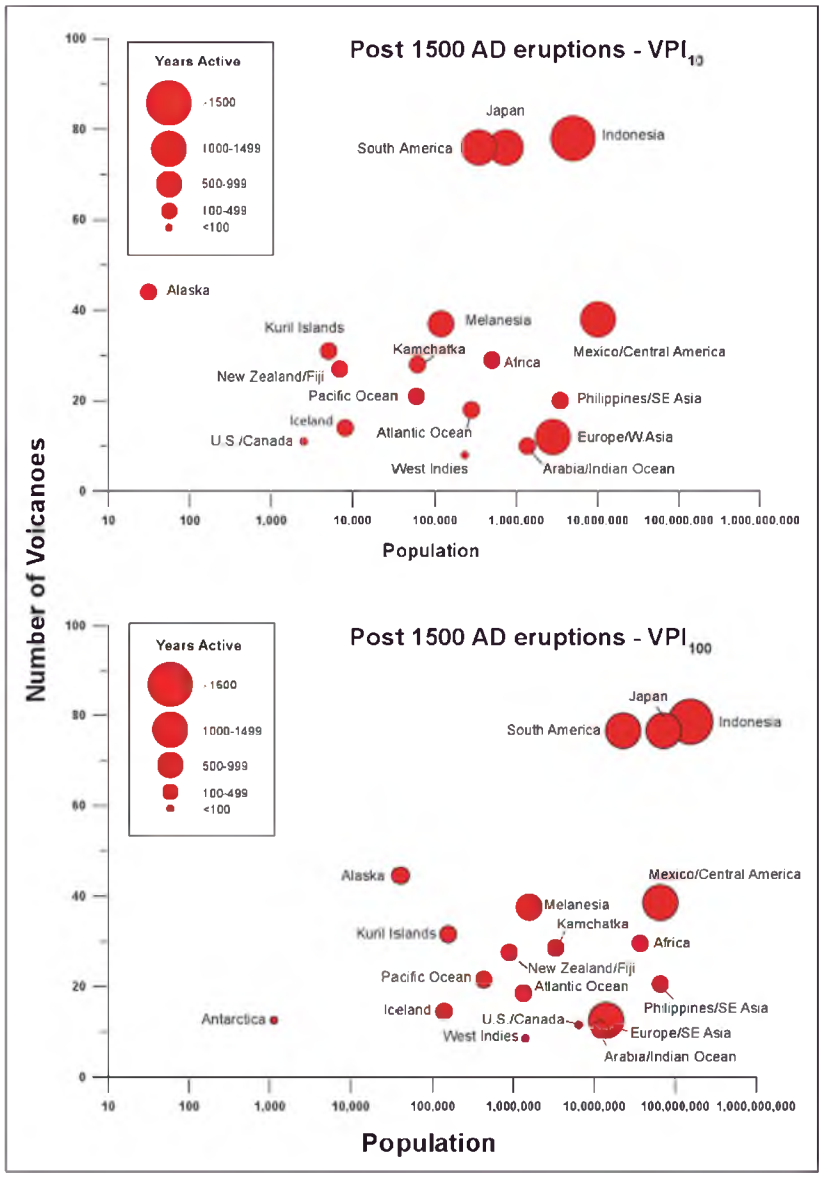

Figure 12. Regional population data for volcanoes with "historical" (post-1500 AD eruptions) at 10 km radius (top) and 100 km radius (bottom). Circle size indicates number of cumulative post-1500 AD years active within each region.

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VOLCANIC PROCESSES

Volcanoes deliver material to the Earth's surface in a wide variety of ways. Eruptive processes are influenced by the "three Vs," volatiles, viscosity, and volume. The significance of volatiles is seen in the high percentage of eruptions that are explosive in character. More than four-fifths of all documented Holocene eruptions are explosive. In contrast, only slightly more than a quarter of all eruptions (27%) produced documented lava flows. Their effusion rates and distribution reflect magma chemistry, viscosity, and volume, which span many orders of magnitude. Highly viscous lava domes are erupted at a greatly reduced rate (only 6.5% of eruptions).

Of particular interest from a volcanic hazards perspective are high-impact eruptive processes such as pyroclastic flows. These have been documented at 14% of all confirmed Holocene eruptions. This drops to 8.7% when restricted to eruptions since 1500 AD, reflecting the lack of preservation of products of smaller-volume eruptions not likely to produce pyroclastic flows in the stratigraphic record of prehistoric eruptions. Percentages of eruptions with other eruptive processes can be found in the **Eruptive Characteristics** table on the inside front cover.

Also of concern from a hazards perspective are high-impact events that cause collapse of volcanoes, documented for the first time in this edition. Large-scale collapse of volcanic edifices can occur as a result of magma chamber evacuation following highly explosive eruptions, or from gravitational collapse that produces massive, highly mobile debris avalanches and leaves large breached collapse scarps. These two high-impact, low-frequency events have been recorded in roughly comparable numbers (79 and 71, respectively). Both are recorded in less than 1% of all known Holocene eruptions, but many prehistorical events remain undocumented.

Although the Holocene data would imply these two mechanisms of large-scale collapse of volcanic edifices occur at comparable rates, large-scale gravitational edifice collapse (also known as sector collapse) often occurs in the absence of eruptive activity, and would thus not be included in this compilation. A better temporal comparison would be the last 500 years, when both processes would be more likely to have been documented. Eleven major explosive eruptions producing caldera collapse have been recorded since 1500 AD (most recently at Pinatubo in 1991). During this same period, 20 syn-eruptive sector collapse events have occurred. An additional 4 likely non-eruptive sector collapse events since 1500 AD imply that gravitational sector collapse during this interval has been the dominant mechanism of large-scale volcano collapse, occurring at a rate twice that of caldera collapse resulting from explosive eruptions.

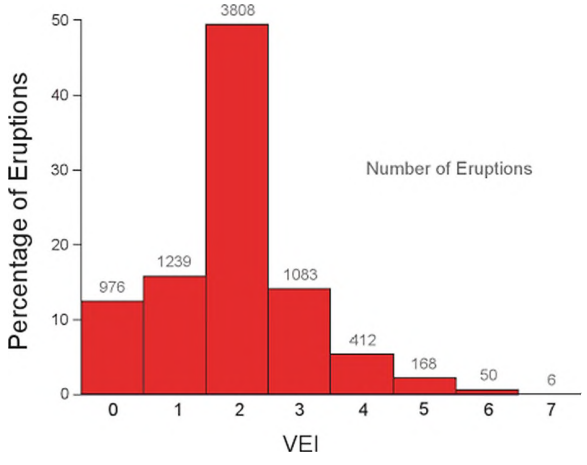

Figure 13. Volcanic Explosivity Index (VEI) (Newhall and Self, 1982). Percentage of VEI assignments on vertical axis, and number of assignments for each VEI labeled. VEI assignments are available for 75% of Holocene eruptions.

VOLCANISM: MAGNITUDE, FREQUENCY, and GLOBAL IMPACTS

The magnitude of the next eruption is of direct concern to those living in the shadow of volcanoes, but many factors influence an eruption's intensity. The past few decades have seen great strides in the ability to predict when an eruption will occur at well-monitored volcanoes, but anticipating the size of a pending eruption remains elusive. Volcanic eruptions vary dramatically in intensity over many orders of magnitude, with commensurate hazards implications.

The past record at individual volcanoes provides a perspective on potential future eruptions at that volcano, but some generalizations can be made from the global volcanic record. The explosive magnitude as expressed by the Volcanic Explosivity Index has a strong peak at VEI 2 (Figure 13), with nearly half of all eruptions with VEI assignments being of this magnitude. Although this peak is intensified somewhat by the default VEI assignment of 2 for explosive eruptions lacking other information, plume height data for recent eruptions support the strong dominance of VEI 2 eruptions. Small eruptions of VEI 0 to VEI 2 account for nearly four-fifths of all Holocene eruptions, and small-to-moderate magnitude eruptions of VEI 0 to VEI 3 for more than 90%. Only 6% of eruptions are VEI 4 or larger (the size of the devastating 1902 eruption of Pelée in the West Indies), and only 2.4% of explosive eruptions (224 in total) are VEI 5 or larger, the size of the 1980 eruption of Mount St. Helens. This implies that the vast majority of eruptions are fairly modest affairs, although proximal effects can still be considerable.

Explosive magnitude can be assessed by volcano as well as by eruption, and we have calculated data for the average VEI of the 299 volcanoes with 5 or more VEI assignments. Although average VEIs at the higher end can be biased by the difficulty of adequately documenting smaller volume tephra layers during stratigraphic studies, this nevertheless provides an indication of the relative explosivity of many of Earth's volcanoes. The highest documented average VEI is 4.62, from Japan's Towada volcano in northern Honshu. This lake-filled andesitic-to-rhyolitic caldera complex is one of Japan's most prolific tephra producers, and its Holocene explosive record (5 of 7 eruptions of VEI 5 magnitude) is a continuation of activity during the Pleistocene, when it produced as many as 14

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explosive eruptions of VEI 5 and 6 magnitude. Other volcanoes with average VEIs of 4 or larger include, in decreasing order, El Chichón in México, Pinatubo in the Philippines, Ksudach in Kamchatka, Furnas in the Azores, Aniakchak in Alaska, Cerro Bravo in Colombia, and Mashu in Hokkaido. Not surprisingly, all these, with the exception of Furnas in the Azores, are subduction zone volcanoes.

Nearly half of all volcanoes have average VEIs of between 2 and 3 (the median value is 2.0), and nearly 90% of volcanoes have average VEIs of less than 3 (Figure 14). This figure increases to more than 97% when only historical eruptions are considered due to the more comprehensive documentation of smaller volume eruptions. The 37 volcanoes (only one eighth of the total) with average Holocene VEIs greater than 3 are from 14 of the world's 19 volcanic regions, but are dominated by Japan, Kamchatka, and México/Central America. These highly explosive volcanoes are of obvious concern in volcanic hazards assessments, but volcanoes with lower average VEIs that have produced occasional large volume eruptions must also be considered.

VEI assessments are based on both qualitative and quantitative data, and eruptions with documented volumes provide a somewhat similar perspective on eruption magnitude. The 1339 eruptions with documented tephra volumes peak at higher values (VEI 3 or 4 equivalent) than the VEI 2 peak of the full data set. This, however, reflects the fact that tephra volumes for smaller magnitude eruptions are rarely calculated, skewing the data towards the larger-volume eruptions.

The data of Figure 10 show that the larger eruptions (VEI ≥4) have taken place at a reasonably constant rate of nearly 1 per year for at least the last 140 years and that all eruptions have averaged about 50-70 per year for the last 60 years. These data reinforce our intuition that, like earthquakes, the frequency of eruptions decreases with increasing size: there are many small, fewer medium-sized, and far fewer large eruptions. Furthermore, the data and the historical argument marshaled above, suggest that the record for small eruptions is valid for only a few recent decades, whereas the record for larger events is accurate for more than a century.

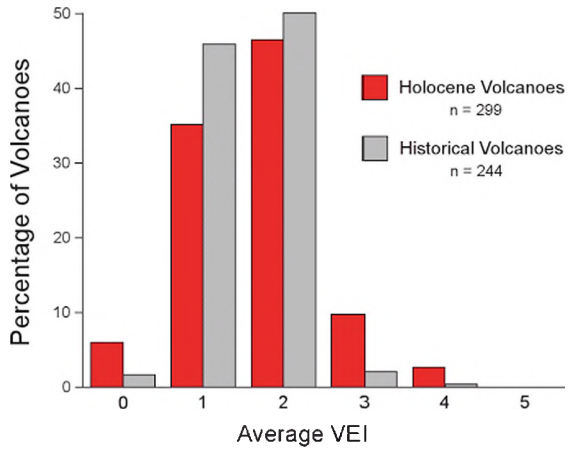

Figure 14. Average VEI of 299 volcanoes with more than 5 Holocene VEI assignments (darker fill), and 244 volcanoes with more than 5 historical VEI assignments (lighter fill).

Subaerial eruptions that produce at least 10^6 m³ of tephra (VEI 2) take place at an average rate of once every few weeks somewhere on Earth. Those that produce ≥10^7 m³ of tephra, such as the VEI 3 Ruiz event that generated such fatal mudflows in 1985, take place several times a year. Eruptions of VEI 4 (≥10^8 m³ tephra), such as at Mount Pelée in 1902, occur on average every 1-2 years. Eruptions the size of St. Helens 1980 (≥10^9 m³, or 1 km³ and VEI 5) occur perhaps once a decade, those such as Krakatau 1883 (≥10 km³) about every two centuries (50 total during the Holocene), and VEI 7 (≥100 km³) eruptions, such as those of Tambora in 1815, 1-2 per millennium. Neither the historical or Holocene record, however, prepare us for the even larger eruptions of the past. The Toba eruption, only 74,000 years ago in Indonesia, produced nearly 10,000 times more magma (2700 km³) than the St. Helens eruption (Chesner and Rose, 1991), and even larger eruptions are known from the older geologic record. There are, however, no known eruptions of VEI 9, or ≥10^4 km³ of tephra, and magma chambers of such dimensions are virtually unknown in the geologic record. Ongoing efforts to flesh out the record of large volume Pleistocene eruptions are underway, and though we display a preliminary list on pages 361-371, we have not revised an earlier plot including rough estimates of these large-volume eruptions because of the still considerable uncertainties of volumes and frequencies of these very large events.

It is useful, however, to look at the known effect of large historical eruptions. The 1980 eruption of Mount St. Helens (VEI 5, or 1 per decade) was a *local* catastrophe with devastation over hundreds of km². The 1883 eruption of Krakatau (VEI 6, or 1 per century) was a *regional* catastrophe, with 36,000 dead, one as far away as India. Another order of magnitude larger, the 1815 eruption of Tambora (VEI 7) caused global cooling, with summer snowstorms and crop failures on the opposite side of the globe (Harington, 1992; Stommel and Stommel, 1983). A New England farmer in 1816 would be justified in calling it a global catastrophe. The effects of a VEI 8 event, such as Toba about 74 ka and the Lava Creek Tuff from Yellowstone about 0.64 Ma, must have been *global* by any definition.

Nearly 40% of 1023 documented Holocene lava flow volumes were of 10^7 m³ volume (equivalent to a VEI 3 tephra volume). More than four-fifths (84%) of all documented lava flow volumes were 10^6 to 10^8 m³ (less than 1 km³ in volume), and only about a tenth of lava flows exceeded 1 km³. Eleven Holocene lava flows exceeded 10 km³ in volume, and 8 of these were in Iceland. The largest of these is the early Holocene Thjorsarhraun lava flow from Iceland's Bárdarbunga volcano, which covered an area of around 950 km² with a volume of more than 21 km³ and traveled at least 140 km down the Thorsa River to the sea (Hjartarson, 1988). The Pleistocene Undara and Toomba alkalic lava flows in north Queensland, Australia also exceeded 100 km in length (Stephenson et al., 1998), and the longest known Quaternary lava flow, the 33 km³ Pampas Onduladas lava flow from Payún Matru volcano in Argentina, traveled 181 km (Pasquaré et al., 2008). More viscous silicic lava flows, although having shorter travel distances, can have

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larger volumes; Pleistocene rhyolitic lava flows at Yellowstone have volumes up to about 70 km³ (Christiansen et al., 2007).

DURATIONS and PAROXYSMS

Although volcanic eruptions can vary widely in duration from minutes to centuries (Figure 15 top), of more interest from a perspective of volcanic hazard mitigation is the interval between the start of an eruption and its paroxysmal phase. Eruptive activity is rarely distributed evenly throughout the full duration, and an eruption's paroxysmal phase may come at any time. Several prominent eruptions, such as Krakatau 1883, Mount St. Helens 1980, and Pinatubo 1991 reached their peak months after lower-level activity began, prompting the erroneous impression that volcanoes provide their own warning, and that observatory monitoring of volcanoes is therefore unnecessary.

We thus examined the time interval between the onset of an eruption and its paroxysmal phase for the most explosive eruptions (≥VEI 3) for which we have adequate data (Figure 15 bottom). These data contrast dramatically with the bell-shaped curve of eruption durations. The sobering implication is that many catastrophic eruptions provide little advance warning, and it is a mistake to assume that days, weeks, or months are available to prepare for an eruption's paroxysmal phase. More than half of the 288 eruptions studied reached their climax within the first week, and more than 40% peaked within the eruption's first *day*. Furthermore, several major eruptions (e.g., Tarawera 1886, Bandai-san 1888, Hekla 1947, Shiveluch 1964, Usu 1977) reached their climax within an *hour* of their start (Simkin and Siebert, 1984, 2000).

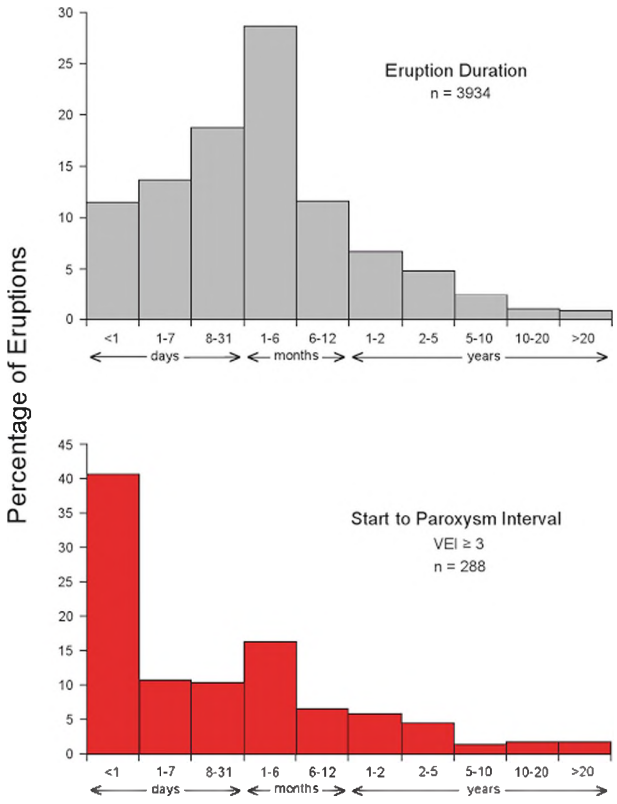

Figure 15. Eruption durations (top) and interval between onset of an eruption and its paroxysmal phase (bottom).

The other side of this coin is that eruptive behavior varies widely, and some eruptions continue at relatively low levels for years and even decades before reaching their climax. History's largest eruption, Tambora in Indonesia in 1815, did not reach its paroxysmal phase until three years after the onset of low-level eruptive activity. This catastrophic eruption produced an eruptive cloud that rose to an estimated 44 km, pyroclastic flows that swept much of the island of Sumbawa; more than 60,000 persons lost their lives. It is understandably difficult to sustain public awareness of hazards during long-term, low-level eruptive activity. It is dangerous, however, to assume that the worst is over after the initial explosive phase.

EPISODICITY and PERIODICITY

None of the historical discussion above excludes the probability that real fluctuations are present in the recent volcanic record. Fluctuations are to be expected in a random distribution, but the record contains some intriguing episodic concentrations of volcanism. The famous 1902 eruption of Mount Pelée was preceded, only one day earlier, by an equally explosive eruption on St. Vincent, 165 km to the south and much too far to consider subsurface plumbing connections. These were followed 5 months later by an even larger eruption of Guatemala's Santa María, 3260 km to the west on the opposite side of the Caribbean Plate. In no other year have three explosive eruptions of this magnitude and impact (more than 40,000 cumulative fatalities) been recorded, and it is tempting to link them to plate tectonic movement (Rose, 1972). Within an 8 month period in 1974, 5 of the 7 historically active volcanoes in the western Bismarck arc erupted, several for the first time in the 20th century (Cooke et al., 1976). On an even shorter time scale, Darwin (1840) noted simultaneous eruptions of several Andean volcanoes (and in the Juan Fernandez Islands) around the time of the great 1835 earthquake that he experienced in Chile. Furthermore, fortnightly earth tide cycles clearly have influenced the timing of some eruptions (Mauk and Johnston, 1973; Dzurisin, 1980), and cycles of activity have been shown for many volcanoes (Newhall, 1979; Luhr and Carmichael, 1990; Scandone et al., 1993).

Although episodic volcanism has clearly been demonstrated on a local and even regional scale, evidence of global synchronicity is lacking and certainly none has been found in our own work with this Holocene data set. Going much farther back in time, and concentrating on the Cordillera of western North America, Armstrong and Ward (1991) assessed a huge data set with great care. They concluded that "although magmatism is always locally episodic, the episodes blur into a continuum of magmatic activity when the whole Cordilleran region is viewed during later Cenozoic time." Statistical approaches have been applied with seeming success, only to be contradicted by other workers using different approaches and data. Gudmundsson and Saemundsson (1980), for example, have analyzed the eruptions of Iceland

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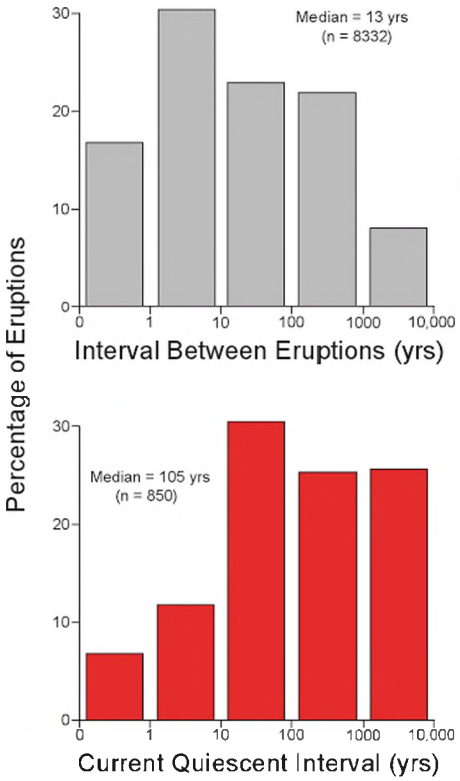

Figure 16. Global distribution of intervals between successive eruptions of Holocene volcanoes (top) and length of current quiescence (bottom).

from 1550 to 1978 and found neither statistical clustering nor periodicity, although Bjornsson et al. (1977) called attention to a ca. 100-year periodicity for the recently active Krafla region, and Thorlaksson (1967) found non-random behavior in two Icelandic volcanoes.

Large-scale magmatic episodicity is difficult to confirm, given the inherently incomplete nature of the geologic record, and demonstrating periodicity in these episodes is, inescapably, even more difficult (Simkin, 1993). The development of more complete ice-core records of volcanism, though often difficult to correlate with specific eruptions, provides some input into global rates of volcanic activity during the Holocene. Greenland ice cores show elevated volcanic events during the early Holocene attributed to unloading of the lithosphere due to deglaciation of the northern hemisphere (Zielinski et al., 1994, 1996), and Antarctic ice-core data show a distinct increase in volcanic events during the past 2000 years (Castellano et al., 2005; Kurbatov et al., 2006). Huybers and Langmuir (2009) noted a two- to six-fold increase in subaerial volcanism between about 12,000 and 7000 yrs BP, which they attributed to decompresssional melting of the mantle resulting from ablation of glaciers and icecaps during the last deglaciation.

Plate motions, major earthquakes, tides, glacial unloading, and no doubt other factors affect volcanism in ways that are only just beginning to be appreciated. However, we have stressed the historical factors that have influenced the *reporting* of volcanism in order to emphasize the many frailties of the historical record. Users of the data tabulated in this book should keep these historical factors in mind, and remember that chronological records of deep-sea rift eruptions, volumetrically the dominant form of global volcanism (Figure 3), are virtually unknown. The degradation of the volcanic record with time must be also be considered; the small-to-moderate eruptions that make up the bulk of the world's eruptions, now close to being adequately documented, are largely absent in the earlier Holocene record. Extrapolating data from the past half century to the beginning of the Holocene is a sobering reminder that fewer than 2% of the world's Holocene eruptions are currently known

INTERVALS BETWEEN ERUPTIONS and ASSOCIATED HAZARD IMPLICATIONS

To assess the length of quiescent intervals between eruptions at individual volcanoes, we have calculated both the interval between start times of successive eruptions and the repose period between the end of the previous eruption and the start of the next. The latter is the better measure of the duration of quiescent periods, and we have used these data here rather than the interval between eruption starts used in the 2nd edition. The quiescent interval varies widely between volcanoes, but the median interval between successive volcanic eruptions from the same volcano is only about a dozen years (Figure 16 top). About two-fifths of eruptions follow quiet intervals of more than a half century, often placing the last eruption outside the direct memory of those living near the volcano.

For volcanoes with dated Holocene eruptions, more than three-fifths have currently been in repose for more than a half century (Figure 16 bottom), and the median period of current inactivity is slightly more than a century. Many volcanoes have thus currently been quiescent for significantly longer periods of time than is typical, but as seen below, this is not necessarily

Year	Volcano	First Historical?	VEI	Fatalities
1991	**Cerro Hudson** (Chile)	no	5+	0
1991	**Pinatubo** (Philippines)	yes	6	800
1982	**El Chichón** (México)	no	5	2000
1980	**Mount St. Helens** (US)	no	5	57
1963	**Agung** (Indonesia)	no	5	1148
1956	**Bezymianny** (Kamchatka)	yes	5	0
1933	**Kharimkotan** (Kuril Is)	no	5	2
1932	**Cerro Azul/Quizapu** (Chile)	no	5+	0
1913	**Colima** (México)	no	5	8?
1912	**Novarupta/Katmai** (Alaska)	yes	6	2
1907	**Ksudach** (Kamchatka)	yes	5	0
1902	**Santa María** (Guatemala)	yes	6?	>10,000
1886	**Tarawera** (New Zealand)	yes	5	153
1883	**Krakatau** (Indonesia)	no	6	36,417
1875	**Askja** (Iceland)	yes	5	0
1854	**Shiveluch** (Kamchatka)	yes	5	0
1835	**Cosigüina** (Nicaragua)	no	5	5-10
1822	**Galunggung** (Indonesia)	yes	5	4011
1815	**Tambora** (Indonesia)	yes	7	60,000
1800	**Mount St. Helens** (US)	no	5	0

Table 11. Eruptions of VEI ≥5 since 1800 AD. Fatality data include deaths from indirect effects.

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a reason for reassurance.

A more complex pattern emerges by considering quiescent intervals with respect to explosive magnitude. In Figure 17 we show, for each VEI class, the length of the quiescent interval since the previous eruption. Human memories are short, and the interval between large eruptions can often be longer than the historical record in many parts of the world. A clear correlation is seen among increasing explosive magnitudes (higher VEI numbers), the length of the preceding repose period, and the likelihood of fatalities. The repose period influences the magnitude of eruptions, as magma differentiation and recharge rates imply longer intervals prior to larger eruptions. Repose periods of centuries to millennia typically precede the larger eruptions that inevitably cause the most fatalities. In regions with short historical records the human population is commonly unprepared, with often tragic results.

This illustration would be even more dramatic if pre-eruption intervals were known for more of the large explosive events. Some of the most calamitous eruptions of recent decades have been from volcanoes with no previously known historical volcanism (Table 11), where nearby residents are often unaware of the potential impact of future eruptions, or in some cases, that they are even living next to a volcano. This was the case at Lamington volcano in Papua New Guinea, where there were no local legends of eruptive activity, and the forested mountain was not recognized as a volcano prior to the devastating 1951 eruption in which pyroclastic flows killed 2942 people. Similarly, the volcanic character of forest-covered, relatively low-relief Pinatubo volcano in the Philippines was largely unknown prior to its major eruption in 1991.

Volcanological research tends to concentrate on renowned volcanoes with frequent or destructively large eruptions, but we must not neglect the poorly known, thickly vegetated, long-quiescent volcanoes that have had no historical activity. Like Lamington and Pinatubo, they may be the most dangerous of all.

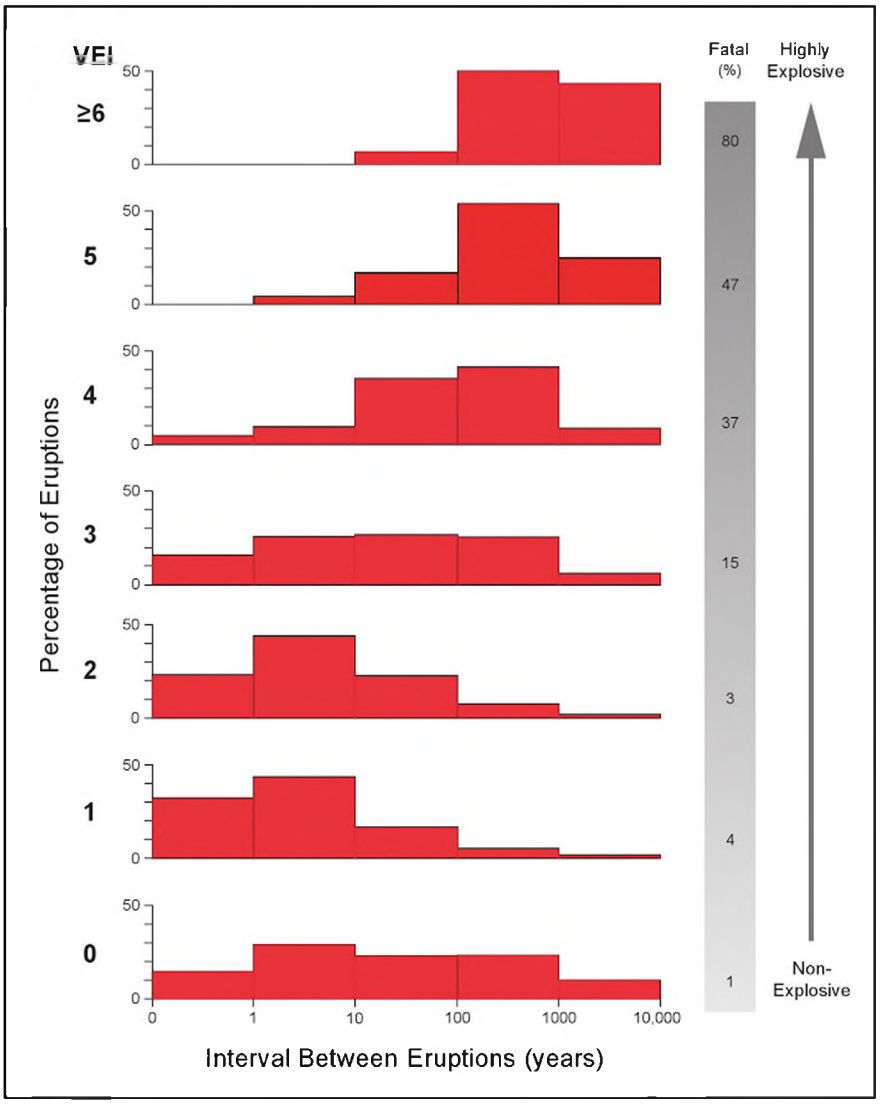

Figure 17. Explosivity and time intervals between eruptions. For each VEI unit, eruptions are grouped by time interval from start of previous eruption. The number of eruptions (6502, compared to 5100 in the 2nd edition) in VEI groups 0 to ≥6 are, respectively: 635, 1031, 3383, 970, 376, 137, 30. For each group, the percentage of fatal historical eruptions is also shown to emphasize the danger of large explosive eruptions from volcanoes apparently quiet for hundreds to thousands of years.

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Conclusions

Volcanoes are among the most dramatic geologic features of our dynamic planet. Humankind has had an uneasy co-existence with Earth's volcanoes, which have been the object of both fascination and understandable concern from those living in their proximity. The past few decades have seen a heightened awareness of volcanic hazards. The number of volcanoes with volcanic hazards maps prepared through careful geologic mapping has increased significantly, and scientists at the many volcano observatories under the umbrella of the IAVCEI-commissioned *World Organization of Volcano Observatories* have installed instrumentation to monitor those volcanoes and help mitigate their hazards. Successful prediction of volcanic eruptions is now possible at well-instrumented volcanoes, although determination of the magnitude of anticipated eruptions remains elusive, as does knowing how long an eruption will last.

Evaluation of the historical and Holocene volcanological record provides invaluable context for Earth's volcanism. The historical record implies that the global rate of volcanism, both for total eruptions and for larger-magnitude eruptions (VEI ≥4), appears to be relatively constant at about 70 eruptions per year and 1 per decade, respectively. Apparent increases and fluctuations in historical eruption rates are largely attributable to reporting and communication factors.

The Holocene record shows that although there is a wide range of eruptive magnitudes, the vast majority of explosive eruptions are relatively modest affairs. Explosive eruption magnitudes display a bell-shaped distribution strongly peaking at ≥0.001 km³ of tephra (VEI 2). These eruptions are not likely to have major distal effects, although their proximal impact can still be considerable. Only 8% of documented eruptions were VEI 4 or larger (≥0.1 km³), but these large-volume eruptions are responsible for the vast majority of fatalities and human impact.

The relatively small increase (1511 to 1545) of volcanoes with known or possible Holocene eruptions from our 2nd edition to this one would imply that scientists are close to identifying all of the Earth's Holocene volcanoes. This goal remains elusive, however. "New" Holocene volcanoes identified as a result of the considerable emphasis in recent years on strengthening the stratigraphic record of volcanoes have been offset by precise dating that shows that many volcanoes previously thought to be Holocene based primarily on morphologic evidence actually ceased eruptive activity during the late Pleistocene.

New techniques, along with heightened awareness of volcanic hazards, are contributing to a rapid increase in volcanological data independent of the historical record. Painstaking field mapping, modern petrologic analysis of volcanic products, laboratory experiments at the high temperatures and pressures of volcano interiors, theoretical modeling of eruptive processes utilizing interdisciplinary approaches, are all needed, along with the chronological record, to understand the history and hazards of active volcanoes. It is the chronological record, though, that teaches the hard lesson that a volcano's long repose is more likely to be a cause for concern than reassurance. Differentiation processes act slowly in a magma chamber deep below a seemingly quiet volcano, steadily concentrating volatiles in increasingly siliceous magma, on a time scale that dwarfs human memory and most record-keeping. The application of more precise dating techniques such as $^{39}Ar/^{40}Ar$ has shown that volcanoes can remain quiescent for tens or even hundreds of thousands of years before resuming activity. The repeat interval between gigantic ashflow eruptions of VEI 8 magnitude (fortunately not yet known in the historical record) is even longer and can reach millions of years (Smith, 1979).

Although documentation of historical eruptions has significantly improved during the past half century, even in the 21st century eruptions can occur unnoticed in sparsely populated and poorly instrumented areas. Ongoing efforts to improve documentation of eruptive activity at both ends of the time continuum are essential in understanding our planet's volcanism and anticipating what future volcanic events might be in store. Recognition that volcanoes can resume activity after very long periods of quiescence even exceeding the full duration of the Holocene underscores the importance of extending the record back into the Pleistocene to include all volcanoes that could erupt next year. That effort has begun, and in concert with application of new instrumentation to document current activity, new techniques to date older eruptions, and the continuing contributions of those from many disciplines, will result in increasingly more comprehensive compilations in the years to come.

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Directory of Volcanoes

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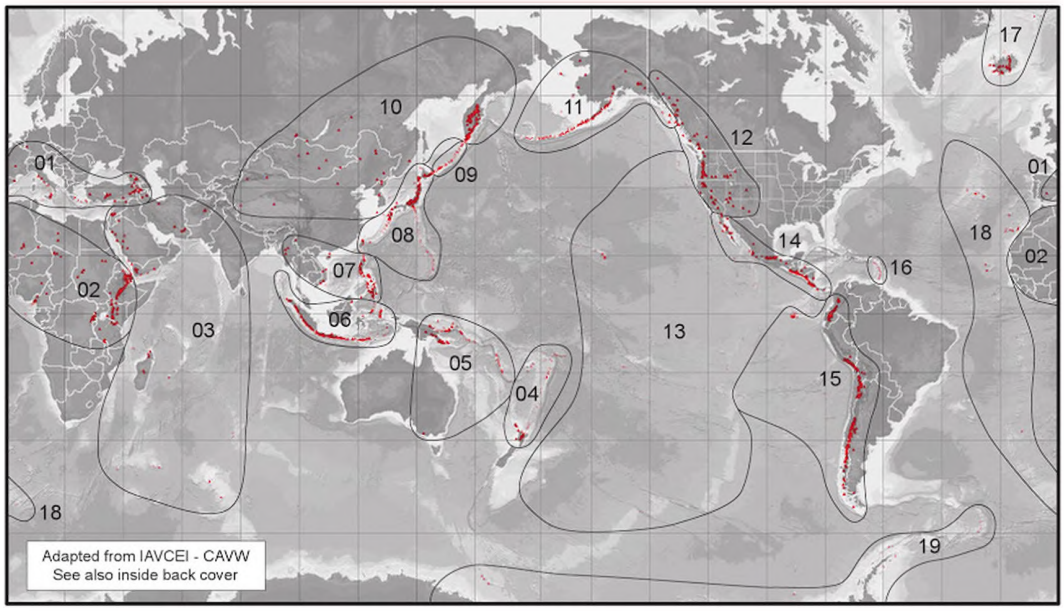
Volcano Regions



CODE BEFORE DATE

A	=	Anthropology
C	=	Radiocarbon (uncorrected)
D	=	Dendrochronology (tree ring)
E	=	Surface Exposure
F	=	Fission Track
G	=	Radiocarbon (corrected)
H	=	Hydration Rind
I	=	Ice Core
K	=	Potassium-Argon (K-Ar)
L	=	Lichenometry
M	=	Magnetism
Q	=	Thermoluminescence
R	=	Argon-Argon (Ar-Ar)
S	=	SOFAR (hydrophonic)
T	=	Tephrochronology
U	=	Uranium-Series
V	=	Varve Counts
-	=	BC date
?	=	Eruption uncertain
&	=	Eruption location uncertain
X	=	Discredited Eruption

CODE AFTER DATE (Uncertainty)

Code	=Years	±Days	Code	±Years	±Days	
a	= 1	1	o	= 18	25	
b	= 2	2	p	= 20	30	(1 mo)
c	= 3	3	q	= 25	45	
d	= 4	4	r	= 30	60	(2 mo)
e	= 5	5	s	= 40	75	
f	= 6	6	t	= 50	90	(3 mo)
g	= 7	7	u	= 75	120	
h	= 8	8	v	= 100	150	
i	= 9	9	w	= 150	180	(6 mo)
j	= 10	10	x	= 200	270	
k	= 12	12	y	= 300	365	(1 yr)
m	= 14	15	z	= 500	545	
n	= 16	20	*	= 1000	730	(2 yr)

- = eruption after date listed
- = eruption before date listed
- = date uncertain (no data)

VOLUME

L/T = volume of lava erupted (left column) / volume of tephra (right column)

7/- = 10^7 m^3 lava, no recorded tephra voume

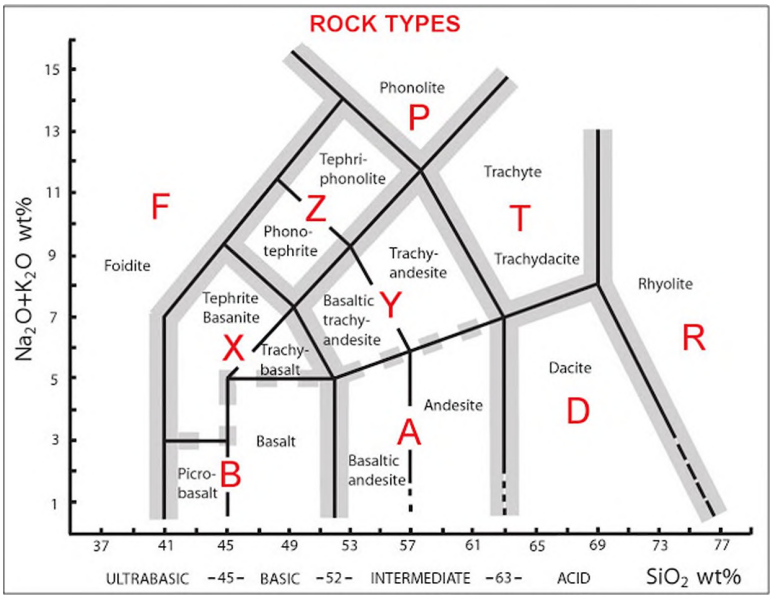
-/9 = 10^9 m^3 tephra, no recorded lava volume

7/8 = 10^7 m^3 lava, 10^8 m^3 tephra

POPULATION CODES

0	- 0	5	- >10,000
1	- <10	6	- >100,000
2	- >10	7	- >1,000,000
3	- >100	8	- >10,000,000
4	- >1000		

ROCK TYPES



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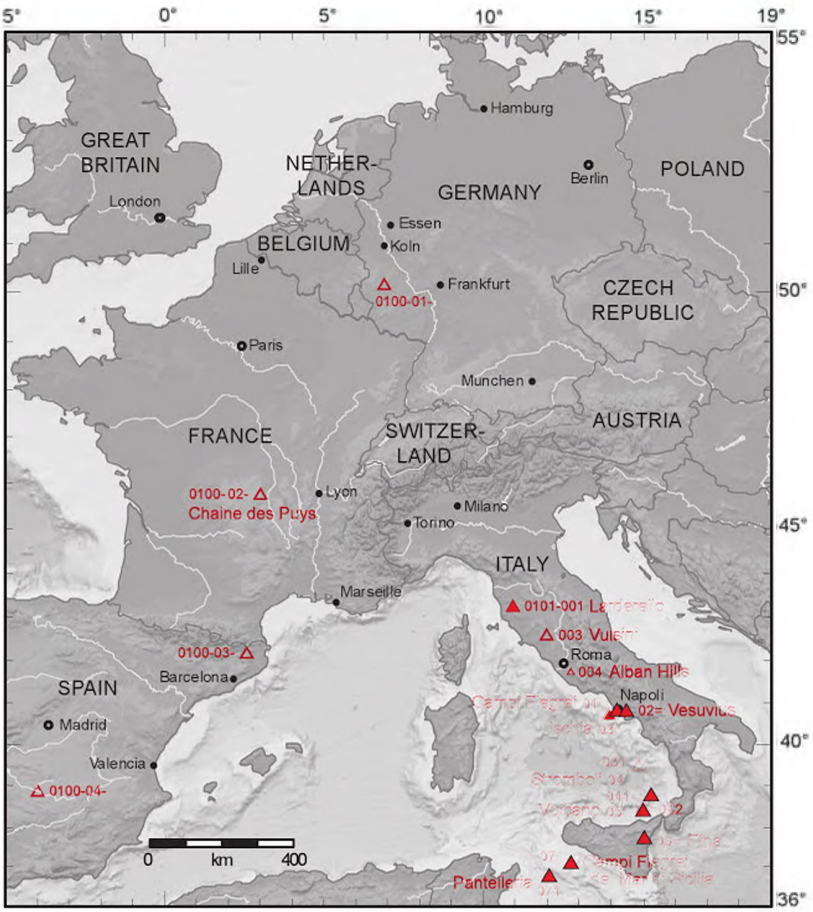
Europe to Caucasus (01)

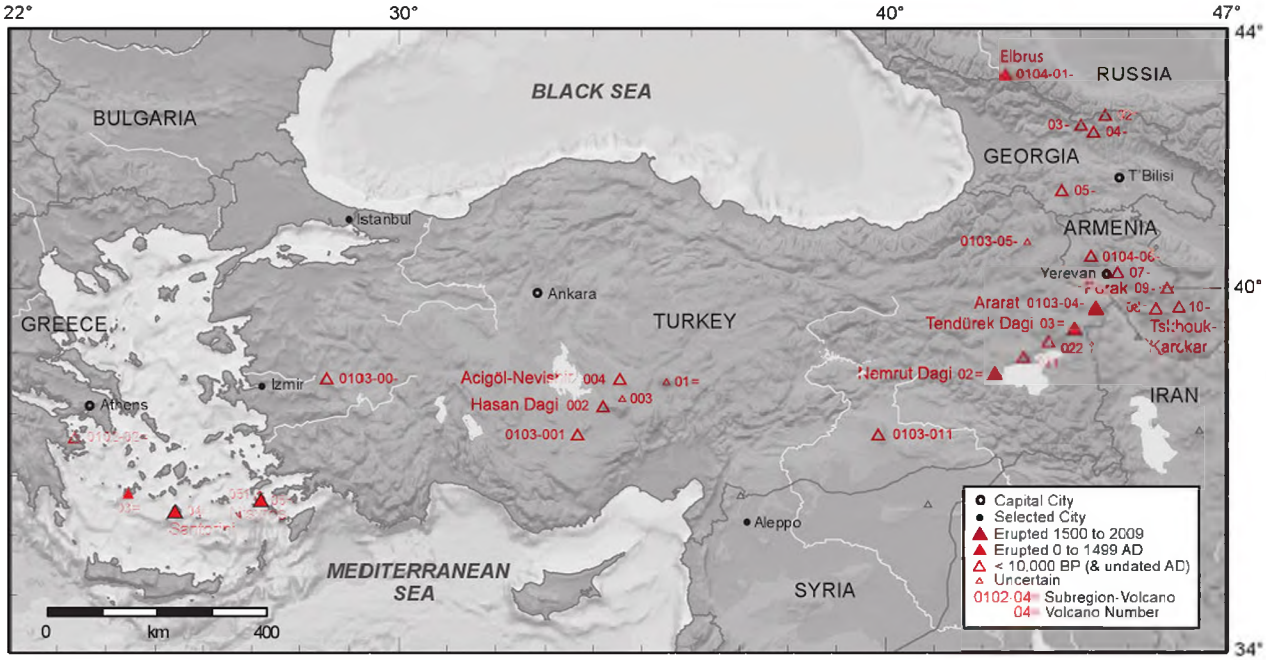
This is the first of 19 regions covered in the classic *Catalog of Active Volcanoes of the World* (CAVW) published by the International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) beginning in the mid-20th century. Two-color maps such as the ones on the facing page and the inside covers delineate volcanic regions and serve as a graphic guide to the global numbering scheme originating with the CAVW. The CAVW began with Italian volcanoes and included those in Greece, Turkey, and the Caucasus. We have subsequently added Holocene volcanoes to this region in West Germany, France, and Spain and expanded coverage of West Asia volcanoes, while moving volcanoes in Iran to region 03.

Often called "The Cradle of Western Civilization," this region is also very much the cradle of volcanology. The vigorous historical record of Etna in Sicily goes back to about 1500 BC; and the catastrophic eruption of Vesuvius in 79 AD, with the burial of Pompeii and Herculaneum, continues to serve today as an object lesson in volcanism. The region has given us the first documented "new mountain" (Monte Nuovo, a pyroclastic cone that formed in the Campi Flegrei caldera in 1538), the first "new island" at Santorini in 197 BC, and the word "volcano" itself (derived from Vulcan, the Roman god of fire, and applied to the island of Vulcano).

The volcanism of this broad region, stretching from Spain to the Caucasus, is largely the result of convergence between the Eurasian Plate and the northward-moving African Plate. The geology is diverse and complex, with microplates defying easy tectonic generalizations. However, subduction under the Greek islands (Hellenic arc) and southern Italy (Calabrian arc) explains the region's principal volcanic centers.

The historical and cultural richness of the Mediterranean region has led to the most robust historical record of volcanism of any region. Traditions of record-keeping go back thousands of years and generations of historians and geologists have mined those records. This work is ongoing; the largely traditional historical eruptive record shown here for Etna does not yet fully reflect the application of new techniques such as archeomagnetic dating, which has raised questions about the traditional interpretations of the roughly 3500-year-long historical record of Mount Etna that correlated written eruption reports with specific lava flows based largely on the morphology of the flows. Etna and Stromboli are two of Earth's most





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active volcanoes. with documented eruptions for several millennia; Stromboli's persistent pyrotechnic activity has lent its name to a type of eruptive activity (strombolian) characterized by frequent small-scale magmatic explosions. Stromboli has been considered to have been continually active for at least 2500 years, although new work has demonstrated some periods of quiescence during this time, and we have modified our eruption chronologies from that in our 2nd edition to reflect this. Vesuvius towers over the Bay of Naples, and its eruptions have affected those living in its shadow since before the Roman era. Regular documentation of volcanism began with Vesuvius: Lord Hamilton's systematic observations from 1766 through 1794, the world's first volcano observatory in 1845, and Palmieri's seismographic monitoring of the 1872 eruption.

Santorini volcano in the Aegean Sea is renowned for its Minoan era eruption that left its current spectacular caldera, largely flooded by the sea, which draws legions of tourists. In 1879, Fouque's monograph on Santorini explained the fundamentals of caldera collapse 4 years before the Krakatau eruption–on the other side of the globe–gave the world a dramatic example of the process. The mid-18th century work of Guettard and Desmerest on pre-historic volcanoes of central France, and Hutton's work on older volcanics in Scotland, taught the world that contemporary processes explain the volcanic landforms and rocks of the past. And the continuing vigor of both volcanism and volcanology in this important region adds to our understanding of volcanoes every year.

The lengthy historical record of this region also reflects the large numbers of people living in proximity to volcanoes. Nearly 15 million people live within 30 km of a Holocene volcano in this region. Of these, more than 2,200,000 reside within 20 km of the center of the Campi Flegrei caldera, which partly overlaps the city of Naples, and more than 675,000 live within 10 km of Vesuvius volcano. Italian and other volcanologists have devoted considerable efforts to documenting the past eruptive record of these volcanoes and working with public officials to develop hazard plans in the event of future eruptions.

Italian volcanoes display both vigorous explosive activity, even more prominent when the record of caldera formation in the Roman Magmatic Province is extended into the Pleistocene, and a relatively high percentage of Earth's documented Holocene effusive activity, much of which has blanketed the summit and flanks of Etna volcano. The volcanoes of Italy and Greece are prominent in this region, but impressive volcanism lies elsewhere as well. The lava domes and maars of the Chaîne des Puys range in France have produced vigorous Holocene volcanism, and Nemrut Dagi caldera in Turkey has more documented Holocene eruptions than any in this region outside Italy and erupted as recently as the 17th century. Explosive activity has recently been documented accompanying a collapse and lahar from storied Mount Ararat on the Turkey/Georgia border in 1840. At 5633 m, Mount Elbrus in SW Russia near the Georgia border is by far the highest volcano in this region, and lava flows overlying human settlements have recently been documented from volcanic fields along the Armenia/Azerbaijan border.

This region's eruptive record is easily the longest of any. Roughly half of its 47 volcanoes have dated eruptions and more than half of these begin with BC events. Many of these were dated by radiocarbon or other techniques, but a remarkably large number were documented by humans. By 500 AD–85% of the way through the Holocene–59 eruptions had been historically documented globally, and 54 of them were from region 01. Frequent lava effusion during the 3500 year history of Etna contributes to this region accounting for, along with Kamchatka and Japan, 30% of the world's eruptions with lava flows. The large number of coastal and island volcanoes places this region at the top of the list of tsunami-producing eruptions, and the large numbers of people living in proximity to its volcanoes is reflected in the high number of eruptions causing damage to human infrastructures.

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL (km 5 30 100)	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year M-Dy	STATUS Stop Year M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
EUROPE - W												
West Eifel Volc Field (Germany)	50.17 N	6.85 E	600	5567	Fxp	**Maars**	0100-01-	**Radiocarbon**				
Ulmener Maar						G-8740w				x--- ---- x--- ---- ----		
Strohn, Pulvermaar						C-8300y				x--- ---- x--- ---- ----		
Chaîne des Puys (France)	45.775 N	2.97 E	1464	6667	BXyt	**Cinder cones**	0100-02-	**Radiocarbon**				
Western Puy de Dôme						C-7840x				---- ---- x--- --x- ----		
Puy Mey						N-7740?				---- ---- x--- x--- ----		
(Taphanel tephra)						C-7020v				---- ---- x--- ---- ----		
Puys Chopine, Vasset, Cratère Kilian						C-6550?				---- ---- xx-- --x- ----		
Puy de Pariou						N-6250?				---- ---- xxx- xx-- ----		
Puy de Lassolas, Puy de la Vache						C-6020w				---- ---- x--- x--- ----		
Puy de Corne, Puy Montchier						N-5760?				---- ---- x--- ---- ----		
Montcineyre, Estivadoux, Pavin						C-4040w				---- ---- xx-- x--- ----		-/7
Olot Volc Field (Spain)	42.17 N	2.53 E	893	5567	XB	**Pyroclastic cones**	0100-03-	**Holocene**				
Calatrava Volc Field (Spain)	38.87 N	4.02 W	1117	6666	BFX	**Pyroclastic cones**	0100-04-	**Radiocarbon**				
Columba						G-3600z				x--- ---- xx-- ---- ----		
ITALY												
Colli Euganei Group (Italy)	45.32 N	11.75 E	600				0101-00-	Not a Volcano				
Larderello (Italy)	43.25 N	10.87 E	500	4567	U	**Explosion craters**	0101-001	**Historical**				
Lago Vecchienna						1282<				x--- ---x x-x- ---- -x--	3?	
Vulsini (Italy)	42.60 N	11.93 E	800	5567	TXPFZ	**Caldera**	0101-003	**Historical**				
						-0104				---- ---- ---- ---- ----		
Alban Hills (Italy)	41.73 N	12.70 E	949	6677	FZx	**Caldera**	0101-004	Holocene?				
Ariccia crater						*?-0600*				x--- ---- --?- ---- ----		
(ashfall, stone ejection report unlikely)						*X-0540?*				---- ---- ---- ---- ----		
(ashfall, fire report likely forest fire)						*X-0114*				---- ---- ---- ---- ----		
Campi Flegrei (Italy)	40.827 N	14.139 E	458	7777	TPYxz	**Caldera**	0101-01=	**Historical**				
(Agnano Pomici Principali tephra)						G-8480v				x--- ---- xx-- ---- ----	4	
Soccavo, Minapoli, Pisani & other vents						T-7980z				x--- x--- xx-- ---- ----	3	-/7
NE part of NYT caldera (Pisani 3 tephra)						C-7590t				x--- x--- xx-- ---- ----		
Fondi di Baia, Sartania						C-6650v				x--- x--- xx-- ---- ----	4	-/8
Eastern part of NYT caldera						T-6490?				x--- x--- x--- ---- ----	3?	-/7
N part of NYT caldera (San Martino)						C-6300t				x--- x--- xx-- ---- ----		
East part of NYT caldera (Agnano 1 tephra)						C-2890				x--- ---- x--- ---- ----		
(Averno 1, Agnano 2 tephras)						C-2580t				x--- ---- xx-- ---- ----		
Cigliano						T-2500?				x--- ---- xx-- ---- ----	4	-/8
Agnano-Monte Sant'Angelo						C-2440?				x--- ---- xx-- ---- ----		
(Paleoastroni 1 tephra)						T-2330w				x--- ---- xx-- ---- ----	3	
Eastern NYT caldera (Paleoastroni 2 tephra)						C-2220t				x--- ---- xx-- ---- ----		
Agnano Monte Spina						C-2150z				x--- ---- xx-- x--- ----	5	-/9
Monte Olibano-Accademia						T-2080u				x--- ---- x--- x-x- ----	2	7/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Campi Flegrei (Italy) *continued*		Solfatara						T	-2040?					x--- ---- x--- ---- ----	3	-/7
		Averno						T	-2000w					x--- ---- xx-- x-x- ----	4	-/8
		Astroni						C	-1870!					x--- ---- xx-- x-x- ----	4	-/9
		Fossa Lupara (Monte Senga)						T	-1650?					x--- ---- xx-- x--- ----	4	-/8
		Solfatara							1198					x--- ---- --x- ---- -x--	1	
		Monte Nuovo							1538	0929	1538	1006		x--- ---- xxx- xx-- xx--	3	-/7
Vesuvius (Italy)	40 821 N	14 426 E	1281	5677	ZPYXT			**Somma volcano**		0101-02	=		**Historical**			
		(Mercato Pumice)						G	-6940v					x--- ---- xx-x ---- --x-	5	-/9
		(Avellino eruption)						G	-2420s					x--- ---- xx-x ---- xxx-	5	-/9
		(AP1 tephra layer)						G	-1550u					x--- ---- xx-- ---- ----	4	-/8
		(AP2 tephra layer)						G	-1430y					x--- ---- xx-- ---- ----	4	-/8
		(AP3 tephra layer)						G	-0880!					x--- ---- x--- ---- -xx-	4	-/8
								A	-0600<					x--- ---- x--- ---- ----	3	
		(AP6 tephra layer)							-0217		-0216			x--- ---- x--- ---- --x-	3?	
		(Pompeii eruption)							0079	1024?	0079	1028a		x--- ---- xx-x ---- xxxx	5?	-/9
									0172					x--- ---- x--- ---- ----	3?	
									0203					x--- ---- x--- ---- ----	P	
									0222		0235			x--- ---- x--- ---- ----	2	
								?	*0303*					x--- ---- ?--- ?--- ----	*2?*	
									0379		0395			x--- ---- x--- ?--- ----	2	
									0472	1105	0472	1106?		x-?- ---- xx-- ?--- -xx-	5	-/9
								?	*0505*	*1109*				x--- ---- ?--- ?--- ----	*2?*	
									0512	0708				x--- ---- xx-- ---- -x--	4?	
									0536					x--- ---- x--- ---- -x?-		
									0685	02	0685	03		x--- ---- x--- ?--- -x--	4	-/8
		Summit and south flank							0787	1015q	0788	0115q		x-x- ---- x?-- x--- ?x--	3	
		South flank						M	0860!					--x- ---- ---- x--- ----	0?	
		South and west (Tironi) flanks						M	0900s					--x- ---- ---- x--- ----	0?	
									0968	1201p				x--- ---- x--- x--- -?--	4	-/8
									0991					x--- ---- x--- ---- ----	3	
		Summit and south flank (Fossamonaca)							0999					x-x- ---- x--- x--- ----	3	
									1006	1231y				x--- ---- x--- ?--- ----	3	
		Summit and south flank (I Monticelli?)							1037	0127				x-x- ---- x--- x--- ----	3	
								?	*1049*					x--- ---- ---- ?--- ----	*1*	
								?	*1073e*					x-?- ---- ?--- ?--- ----	*3*	
									1139	0601	1139	0609		x--- ---- x--- x--- ----	3	
									1150					x--- ---- x--- ---- ----	3?	
								?	*1270*					x--- ---- x--- ---- ----	*2?*	
								?	*1347*					x--- ---- ?--- ---- ----	*2?*	
									1500					x--- ---- x-x- ---- ----	2?	
									1570<		1572a			x--- ---- x-x- ---- ----	1?	
		Summit, SW and S flanks							1631	1216	1632	0131?		x-x- ---- xx-x ---- xxxx	5?	-/9
									1637	0701	1652	12		x--- ---- x--- ---- --x-	2*	
									1654	0225	1680	0328		x--- ---- x--- ?--- -xx-	3*	
									1682	0812	1682	0822		x--- ---- x--- x--- x---	3	-/6
									1685	1003	1694	0429		x--- ---- x--- x--- -x--	3*	
									1696	0731	1696	0814?		x--- ---- x--- x--- ----	2	
									1697	0915	1698	07		x--- ---- x--- x--- -xx-	3*	
		Summit and SW flank							1701	0701	1707	0822		x-x- ---- x--- x--- -xx-	3*	-/6
		Summit, upper east and south flanks							1708	0814	1723	0708		x-x- ---- x--- x--- -x--	3*	-/6
									1724	0904	1730	0401?		x--- ---- x--- x--- ----	3*	-/6
		Summit and SW flank							1732	1225	1737	0604		x-x- ---- x--- x--- xxx-	3?	7/-
									1742		1743			x--- ---- x--- ---- ----	1	
		Summit, upper SE, E and lower S flanks							1744	11 ?	1761	0106		x-x- ---- x--- x--- -x--	3*	6/-
		Summit, upper SW, SE, and NNW flanks							1764		1767	1027		x-x- ---- x--- x--- -x--	3*	7/6
		Summit, N, NE, SE and E flanks							1770	0215	1779	1004?		x-x- ---- x--- x--- xxx-	3?	7/6
		Summit and SW flank (550-300 m)							1783	0818	1794	0705		x-x- ---- x--- x--- xxx-	3?	7/8
		Summit and upper flanks							1796	01	1822	1116		x-x- ---- x--- x--- xxx-	3?	6/7
		Summit, upper E and S flanks							1824	0702	1834	0902		x-x- ---- x--- x--- -xx-	3*	7/-
		Summit, upper east and west flanks							1835	01	1839	0103		x-x- ---- x--- x--- ----	3*	7/-
		Summit, upper N and E flanks							1841	0920	1850	0216		x-x- ---- x--- x--- -x--	2*	7/-
		Summit and upper N flank							1854	1214	1855	0527		x-x- ---- x--- x--- -x--	3*	7/-
		Summit and SW flank (300-225 m)							1855	1219	1861	1231		x-x- ---- x--- x--- -x--	3*	8/-
		Summit and upper SE flank							1864	0210	1868	1126		x-x- ---- x--- x--- ----	2*	6/-
		Summit and upper NW and south flanks							1870	12	1872	0430		x-x- ---- x--- x--- xx--	3*	7/7
								?	*1874*	*01*				x--- ---- ?--- ?--- ----	1	
		Summit and upper flanks							1875	1218	1906	0422		x-x- ---- xx-- x--- xxx-	4?	8/8
		Summit and upper flanks							1913	0705	1944	0404		x-x- ---- xx-- x--- xx--	3*	8/7
Ischia (Italy)	40.73 N	13.897 E	789	5567	TYPxz			**Complex volcano**		0101-03	=		**Historical**			
		Selva del Napolitano, Piedmonte						K	-7550*					x--- ---- ---- --x- ----		
		Zaro, Marecocco, Spiaggia degli Inglesi						M	-3880x					x--- ---- x--- x-x- ----		
		Submarine SE flank (Secca d'Ischia)						G	-3580y					-x-- x--- xx-- ---- ----		
		Cantariello						K	-3050*					x--- ---- x--- x--- ----		
		Punta della Cannuccia						T	-2700*					x--- ---- x--- ---- ----		
		Costa Sparaina						K	-2350*					x--- ---- x--- --x- ----		
		Castiglione						M	-1480y					x--- ---- ---- x--- -x--		
		SE of Selva del Napolitano (CaT tephra)						G	-0930w					x--- ---- xx-- ---- ----		
		Costa del Lenzuolo						T	-0700u					x--- ---- xx-- ---- ----		
		Case Balestrieri?, Cava Nocelle?						M	-0490w					x--- ---- x--- x--- ----		
		Bosco dei Conti and Fondo Ferraro ?							-0470?					x--- ---- x--- --x- ----		
		Ischia Porto (San Pietro)						M	-0370w					x--- ---- x--- x--- ---x		
		Ischia Porto (Spiaggia dei Pescatori)						M	-0200x					x--- ---- x--- x--- ----		
									-0091					x--- ---- ?--- ?--- ----		
									-0006p					x--- ---- ---- ---- ----		
		Cretaio Tephra (near Bosco della Maddalena)						G	0040u					x--- ---- xx-- ---- ----	3	-/7
								?	*0069*					---- ---- ?--- --?- ----		
									0080a					x--- ---- ?--- --?- ----		
									0145?					x--- ---- ?--- --?- ----		
		Vateliero, Molara-Cava Nocelle, Rotaro							0295j					x--- ---- x--- x--- ----		
		Montagnone-Moschiata area (BCT tephra)						G	0540w					x--- ---- xx-- ---- ----		
		Near Arso (FiT tephra layer)						G	0820y					x--- ---- xx-- ---- ----		
		(FBT tephra; preceded 1302 Arso eruption)						G	1290?					---- ---- xx-- ---- ----		
		Arso							1302	0118	1302	03		x--- ---- x--- x--- xx--		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year M-Dy — Stop Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional; Submarine / New island / Subglacial / Crater lake; Explosive / Pyro flow / Phreatic / Caldera; Lava flow / Lava lake / Dome / Spine; Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Palinuro (Italy)	39.48 N	14.83 E	-70	0006	PTZ	**Submarine volc**	0101-031	**Radiocarbon**			
						G-8040v			---- x--- x--- ---- ----		
Stromboli (Aeolian Islands)	38.789 N	15.213 E	924	4447	YABtx	**Stratovolcano**	0101-04=	**Historical**			
		Northern flank (Vallonazzo)				M-6050?			--x- ---- ---- x--- ----	0	
		NE flank (Nel Camnestra lava flow)				M-5800y			--x- ---- ---- x--- ----	0	
		Northern flank (Labronzo)				M-5550?			--x- ---- ---- x--- ----	0	
		Northern flank (Vallonazzo lava flow)				M-5050?			--x- ---- ---- x--- ----	0	
		Northern flank				M-4800y			--x- ---- x--- x--- ----	2?	
		Northern flank (Vallonazzo)				M-4550?			--x- ---- ---- x--- ----	0	
		NE flank (Punta Lena lava flow)				M-4250?			--x- ---- x--- x--- ----	2?	
		(Secche di Lazzaro pyroclastics)				C-4050?			x--- ---- xx-A ---- --xx	3?	
						-0350t			x--- ---- x--- ---- ----	2	
						-0210j			x--- ---- x--- ---- ----	2	
						-0050t			x--- ---- x--- ---- ----	2	
						0050t			x--- ---- x--- ---- ----	2	
						0150t			x--- ---- x--- ---- ----	2	
						0250t			x--- ---- x--- ---- ----	2	
						0550t			x--- ---- x--- ---- ----	3	
						0950t			x--- ---- x--- ---- ----	2	
		Summit craters and Sciara del Fuoco				1558<		1857	x-x- x--- x--- x--- -x--	3*	
		Summit craters and Sciara del Fuoco				1857		1889 0626	x-x- ---- x--- x--- ---x	3*	4/-
						1890		1907 0529	x--- ---- x--- x--- -x--	3*	4/-
		Summit craters and Sciara del Fuoco				1910	05	1931 07	x-x- ---- xx-- x--- xx-x	3*	5/-
						1932	0603	1932 0603	x--- ---- x--- ---- ----	2	
		Summit craters and Sciara del Fuoco				1934	0202	2010>	x-x- xx-- xx-- x--- xx-x	2*	7/-
Panarea (Aeolian Islands)	38.63 N	15.07 E	421	4457	ADryb	**Stratovolcano**	0101-041	Holocene?			
Lipari (Aeolian Islands)	38.48 N	14.95 E	602	5557	RAYBD	**Stratovolcanoes**	0101-042	**Radiocarbon**			
		(Gabellotto-Fiumebianco, E-1 tephra)				G-5820u			x--- ---- xx-- x-x- ----		
		Monte Pelato				G 0780v			x--- ---- xx-- x-x- ----		
		Pelato (Forgia Vecchia, Rocche Rossi)				M 1230s			x--- ---- x--- x--- ----		
Vulcano (Aeolian Islands)	38.404 N	14.962 E	500	4557	XYTRB	**Stratovolcanoes**	0101-05=	**Historical**			
		NW side (Lentia)				K-6550?			-x-- ---- ---- --x- ----		
		(Monte Saraceno tephra)				K-6350*			x--- ---- x--- x--- ----		
		Fossa (Punte Nere lava flow)				K-3550*			x--- ---- ---- x--- ----	0	6/-
		Fossa (Campo Sportivo eruptive cycle)				K-2650*			x--- ---- xx-- x--- ----	3	6/7
		Fossa				T-1300?			x--- ---- xx-- ---- ----	3	-/7
		Fossa				U-0950z			x--- ---- ---- x--- ----	0	
		Fossa				-0475?			x--- ---- x--- ---- ----		
		Fossa				-0360j			x--- ---- x--- ---- ----	2	
		Fossa				-0300			---- ---- x--- ---- ----	2	
		Offshore vent				-0215			---- x--- ---- ---- ----		
		Vulcanello				-0183			-x-- xx-- x--- ---- ----	4	
						U-0150y			---- ---- xx-- ---- ----		
		Vulcanello				-0126	06		---- xx-- ---- ---- ---x		
		Vulcanello				-0091			-x-- ---- x--- ---- ----	3?	
		(no 43 BC eruption)				*X-0043*			---- ---- ---- ---- ----		
		Vulcanello ?				-0024e			-x-- ---- ---- ---- ----		
		Vulcanello				*?-0010j*			-x-- ---- ---- x--- ----		
		Fossa				0050t			x--- ---- x--- ---- ----		
		Fossa				0144			x--- ---- ?--- ?--- ----		
		Fossa and Vulcanello III?				0526?			xx-- ---- x--- ---- ----	3	
		Fossa				0729			x--- ---- x--- ---- ----		
						0925q			---- ---- x--- ---- ----	3?	
						M 1040u			-x-- ?--- x--- x--- ----	2?	
		Vulcanello				M 1200u			-x-- ---- ---- x--- ----	2?	
		Fossa (Palizzi lava flow)				M 1230p			x--- ---- ---- x--- ----	0	
						1444	0204		---- ?--- x--- ---- ----	3	
		Vulcanello III				1550			-x-- ---- x--- ---- ----	3	
						1618			---- ---- x--- ---- ----		
						1626	03	1626 04	---- ---- x--- ---- ----	3	
						1631			---- ---- x--- ---- ----		
		Fossa				1651			x--- ---- x--- ---- ----		
		Fossa				1688			x--- ---- x--- ---- ----		
		Forgia Vecchia II and Fossa				1727			xx-- ---- xxx- ---- --x-	3	
		Fossa				1731		1739	x--- ---- x--- x--- --x-	3*	6/7
		Fossa				1771	0217	1771 05	x--- ---- x--- ---- ----	3	
		Fossa				*? 1775*			x--- ---- ?--- ---- ----		
		Fossa				1780			x--- ---- x--- ---- ----	2	
		Fossa				*? 1786*			x--- ---- x--- ---- ----	*3*	
		Fossa				*? 1812*			x--- ---- ?--- ---- ----	*1?*	
		Fossa				*? 1822*		*?1823*	x--- ---- ?--- ---- ----	*2?*	
		Fossa				*? 1831*			x--- ---- ?--- ---- ----	*1?*	
		Fossa				1873	09	1879	x--- ---- x--- ---- ----	3*	
		Fossa				1886	0105d		x--- ---- x--- ---- ----	3	
		Fossa				1888	0802	1890 0322	x--- ---- xx-- ---- -xx-	3*	
		5 km east of Vulcanello				*? 1892*	*1214*		---- ?--- ---- ---- ----	*0*	
		(smoke clouds not due to eruption)				*X 1968*	*0711*		---- ---- ---- ---- ----		
Etna (Sicily)	37.734 N	15.004 E	3330	2477	XYBtz	**Stratovolcanoes**	0101-06=	**Historical**			
						C-6190x			---- ---- x--- ---- ----		
						C-5150w			---- ---- x--- ---- ----		
						C-4150w			---- ---- x--- ---- ----		
						C-3510w			---- ---- x-x- ---- --x-		
		(Tufo varicolori tephra layer)				C-3390t			---- ---- x--- ---- ----		
						C-3050w			---- ---- x--- ---- ----		
						C-2330v			---- ---- x--- ---- ----		
		(FS tephra layer)				C-1980t			---- ---- x--- ---- ----		
						-1500t			--?- ---- x--- x--- -x?-	5?	
		(confused with ca. 1500 BC eruption)				*X-1470*			---- ---- ---- ---- ----		
		(FL tephra layer)				G-1420u			---- ---- xx-- ---- ----		
		South flank (Monte Salto del Cane)				C-1050u			--x- ---- x--- x--- ----		
						?-0735			---- ---- ---- ---- ----		
		South ?, Mt. Mompilieri ?				-0695b			--x- ---- x--- x--- -x--		
						?-0565			---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank, vent / Fissure / Regional / Submarine / Maar/tuff ring / Scoria cone / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Etna (Sicily) *continued*															
South flank ?									-0479	08 ?	-0475?	....	--x- ----- x--- x--- -x--		
South flank (Monte Arso)									-0425	0315m	-0424?	....	--x- ----- ?--- x--- -x--		
SE flank (700 m, Monte Gorna)									-0396?	0415q	....	....	--x- ----- x--- x--- -x--		
(no ca. 350 BC eruption)									*X-0350?*	....	....	....	----- ----- ----- ----- -----		
									-0141	1231y	....	....	?--- ----- x--- x--- -----		
									-0135	....	....	....	--?- ----- x--- x--- -x--		
									-0126	06 <	....	....	x-?- ----- x--- ?--- -----		
S flank, summit, (Cratere del Piano caldera)									-0122	....	....	....	x-x- ----- xx-x x--- -x--	5	-/9
									?-0061	....	....	....	?--- ----- x--- ----- -----		
									?-0056	....	....	....	----- ----- ----- ----- -----		
West flank and summit ?									-0049	....	....	....	?-x- ----- x--- x--- -----		
(FF tephra layer)									-0044	03 ?	....	....	x-?- ----- x--- x--- -x--	3?	
East side ?									-0036	0715q	-0035	....	x-?- ----- x--- x--- -----		
									-0032	1231y	....	....	----- ----- ----- ?--- -----		
									?-0010?	....	....	....	x--- ----- ?--- ?--- -----		
									0010?	....	0020?	....	x--- ----- x--- ----- -----		
									0039a	....	....	....	x--- ----- x--- ----- -----		
(description of Etna, not eruption)									*X 0050*	....	....	....	----- ----- ----- ----- -----		
(incorrect eruption report)									*X 0072*	....	....	....	----- ----- ----- ----- -----		
									? 0080?	....	....	....	x--- ----- x--- ?--- -----		
(FV tephra layer)									T 0100v	....	....	....	----- ----- x--- ----- -----		
(no 165 AD eruption)									*X 0165*	....	....	....	----- ----- ----- ----- -----		
South flank (Monpeloso)									0252	0201	0252	0209	x-x- ----- ?--- x--- -x--	3?	
(incorrectly interpreted as eruption)									*X 0400*	....	....	....	----- ----- ----- ----- -----		
(incorrectly interpreted as eruption)									*X 0410*	....	....	....	----- ----- ----- ----- -----		
									0417?	....	....	....	----- ----- x--- ----- -----		
(no specific eruptions AD 500-560)									*X 0500*	....	....	....	----- ----- ----- ----- -----		
(no specific eruptions AD 500-560)									*X 0560*	....	....	....	----- ----- ----- ----- -----		
(incorrect reference to eruption)									*X 0604*	....	....	....	----- ----- ----- ----- -----		
									? 0644	....	....	....	----- ----- ----- ----- -----		
South flank (1200 m, S of Mt. Sona)									*? 0812?*	....	....	....	--x- ----- x--- x--- -----		8/5
									? 0814	....	....	....	----- ----- ----- ----- -----		
									? 0859	....	....	....	----- ----- ----- ----- -----		
									? 0911	....	....	....	----- ----- ----- ----- -----		
									? 1004	....	....	....	----- ----- ----- ----- -----		
									? 1044	....	....	....	----- ----- ----- ----- -----		
WSW flank (1500 m) ?									1063a	....	....	....	--?- ----- x--- x--- -----		
									1157	....	....	....	----- ----- ----- ----- -----	2?	
									1160	....	....	....	----- ----- ----- ----- -----	2?	
									1164?	....	....	....	----- ----- ----- ----- -----	2?	
(tectonic earthquake, eruption uncertain)								?	*1169*	*0204*	....	....	--?- ----- ?--- ?--- -?--		
(probably confused with 1169 events)									*X 1175*	....	....	....	----- ----- ----- ----- -----		
									1194	....	....	....	----- ----- ----- ----- -----	2?	
(incorrect inference of date)									*X 1222*	....	....	....	----- ----- ----- ----- -----		
SE flank									1224	08 ?	....	....	--x- ----- ----- x--- -x--		
									1250	....	....	....	----- ----- ----- ----- -----	2?	
East flank (Valle del Bove)									1284	....	1285	01 ?	--x- ----- ----- x--- -----		
(confused with 1329 eruption)									*X 1321*	....	*X1328*	....	----- ----- ----- ----- -----		
SE flank									1329	0628	1329	0804d	x-x- ----- x--- x--- ?x-x	3?	7/6
									1333	....	....	....	?--- ----- x--- x--- -----	2	
(confused with 1329 eruption)									*X 1334*	....	....	....	----- ----- ----- ----- -----		
									1350	....	....	....	x--- ----- x--- ----- -----	2	
SSE (370 m), Mts. Pomiciari, Arsi?									1381?	0806?	....	....	--x- ----- ?--- x--- -x--	2	7/6
Summit, south flank (M. Piniteddu)									1408	1108	1408	1125?	x-x- ----- x--- x--- -x--	3	
South (N of Mt. Arso and 950 m)									1444	....	....	....	x-x- ----- x--- x--- -x--	2	
East (Valle del Bove, 1630 or 1825 m)									1446	0925	....	....	--x- ----- ----- x--- -----	1	
									1447	0921	....	....	x--- ----- x--- x--- -----	1	
(no 1470 eruption)									*X 1470*	....	....	....	----- ----- ----- x--- -----		
									1493?	....	1500?	....	x--- ----- ?--- ?--- -----	1	
(no activity recorded 1494-1533)									*X 1533*	....	....	....	----- ----- ----- ----- -----		
(probably same as 1536 eruption)									*X 1535*	....	....	....	----- ----- ----- ----- -----		
Summit, S, N & W flanks (1400-2500 m)									1536	0322	1536	12 ?	x-x- ----- x--- x--- xxx-	3	7/5
Summit, south flank (1800-1500 m)									1537	03 ?	1537	07	x-x- ----- x--- x--- -x--	2	7/6
									1540	07	....	....	x--- ----- x--- ----- -----	1	
									1541	07 ?	....	....	x--- ----- x--- ----- -----	2	
(no 1550 eruption)									*X 1550*	....	....	....	----- ----- ----- ----- -----		
									? 1554	....	....	....	x--- ----- ----- ----- -----	2	
NE flank									1566	1101?	1566	12	x-x- ----- x--- x--- -x--	2	7/5
									? 1578	....	....	....	--?- ----- ----- ----- -----		
SE flank									1579	0909?	1580?	....	--x- ----- x--- x--- -x--		
(1595 eruption report discredited)									*X 1595*	....	....	....	----- ----- ----- ----- -----		
Central Crater (SW and S slope)									1603	07	1610	....	x--- ----- x--- x--- -----	2	6/-
SW flank (2250-1950 m)?									1607	0628	1608?	....	--x- ----- x--- x--- -----	2	8/6
(confused with 1607 eruption)									*X 1609*	*07*	....	....	----- ----- ----- ----- -----		
SW flank (2500-1700 m)									1610	0206	1610	0815	x-x- ----- x--- x--- -x--	2	8/6
NNE flank (2800-2400 m), Monti Deserti									1614	0701?	1624	....	x-x- ----- x--- x--- -x--	2	9/6
Central Crater								?	*1633*	*0221*	....	....	x-?- ----- ?--- ?--- -----		
SE (2100-1950 m), Little Mt. Pecorara									1634	1219?	1638	0427	x-x- ----- x--- x--- -x--	1	8/5
(1640 is error for 1643 eruption)									*X 1640*	....	....	....	----- ----- ----- ----- -----		
N flank (2100-1275 m), Monte Pomiciaro									1643	0220	1643	0228	--x- ----- x--- x--- -----	1	6/5
NNE (2000 m, 1800 m), Mt. Nero									1646	1120	1647	0117	--x- ----- x--- x--- -x--	2	8/6
West (2600-1770 m), east (1875-1815 m)									1651	0117	1653	07 ?	x-x- ----- x--- x--- -x--	1	8/5
Central Crater									1654	0101	1656?	....	x--- ----- x--- x--- -----	1	
S flank (950-625 m, Monti Rossi)									1669	0311	1669	07117	x-x- ----- x--- x--- -x--	3?	9/8
East flank (Valle del Bove, 2900 m)									1682	0901	1682	10 ?	?-x- ----- ?--- x--- -----	2	
East slope of Central Crater									1688	....	....	....	x--- ----- x--- x--- -----	1	
East flank (Valle del Bove, 2300 m?)									1689	0314	....	....	x-x- ----- x--- x--- xx--	1	7/-
(tectonic earthquake, eruption doubtful)								?	*1693*	*0109*	....	....	x--- ----- ?--- ?--- -----		
Central Crater									1693	12	1694	11 ?	x--- ----- x--- x--- -x--	3?	
East flank (Valle del Bove, 2075-1875 m)									1702	0308	1702	0508	x-x- ----- x--- x--- -x--	1	7/-
(confused with 1727-1728 eruption?)								?	*1723*	*1122*	*?1724*	*05 ?*	x--- ----- x--- x--- -x--	*2*	
Central Crater (SW slope)									1727	1122	1728	0510?	x--- ----- x--- x--- -x--	2?	
Central Crater									1732	1209	1765	....	x--- ----- x--- x--- -x--	2*	7/-
East flank (Valle del Bove, 1750 m)									1755	0309	1755	0315	x-x- ----- x--- x--- -xx-	3	6/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Etna (Sicily) *continued*		Central Crater, south flank (3000 m)						1758	1103?	1759	0801	x--- ---- x--- x--- ----	2*	
		West flank (1725-1580 m, Mt. Nuovo)						1763	0206	1763	0310?	--x- ---- x--- x--- -x--	2	7/6
		South flank (2500-1925 m, Montagnola)						1763	0618	1763	0910	--x- ---- x--- x--- -x--	3	8/7
		NW flank (3125-2500 m?)						1764	....	1765?	....	--x- ---- x--- x--- ----	1	8/5
		South flank (2100-1950 m, M. Calcarazzi)						1766	0427	1766	1106	x-x- ---- x-?- x--- -x--	2	8/6
		Central Crater						1767	0502	....	....	x--- ---- x--- ---- ----		
		Central Crater					?	*1770*	*0528a*	....	....	x--- ---- ?--- ---- ----		
		Central Crater						1776	....	....	....	x--- ---- x--- ---- ----		
		Summit, S & SSW flanks (2360-1850 m)						1780	0420?	1780	07 ?	x-x- ---- x--- x--- -x--	2*	7/4
		Central Crater						1781	03	1781	0510	x--- ---- x--- x--- ----	2	
		Central Crater						1787	0604d	1787	0811	x--- ---- x--- x--- -x--	4*	6/-
		Central Crater						1791	02	1791	09	x--- ---- x--- ---- ----	2	
		Central Crater, west slope						1792	03	1792	0524	x--- ---- x--- x--- ----	2	6/-
		Summit, SE flank (2825-1500 m)						1792	0525	1793	0526e	x-x- ---- x-x- x--- -x--	3	7/5
		Central Crater						1793?	....	1802?	....	x--- ---- x--- x--- ----	3?	
		Central Crater, E flank (1950-1700 m)						1802	1115	1802	1118	x-x- ---- x--- x--- ----	2	7/-
		Central Crater						1803	0101	1819?	....	x--- ---- x--- x--- ----	2*	
		Central Crater, N & NE flanks (3000-1325 m)						1809	0327	1809	0409	x-x- ---- x--- x--- -x--	2	7/6
		East (Valle del Bove 3000-1975 m)						1811	1027	1812	05 ?	--x- ---- x--- x--- ----	2*	7/6
		Offshore from Aci-Castello					?	*1816*	*0306*	....	....	---- ?--- ---- ---- ----	*0*	
		(Valle del Bove 2850-2375 m), Central Crater						1819	0527	1819	0805	x-x- ---- x--- x--- ----	2?	7/5
		Central Crater						1820	12 ?	1833	....	x--- ---- x--- x--- ----	2*	
		SSE, W flanks (3000-1700? m), Mt. Nunziata						1832	1031	1832	1122	--x- ---- x--- x--- xx--	2	7/6
		Central Crater						1838	0708	1839	02	x--- ---- x--- x--- ----	2	7/-
		Central Crater (south & east slopes)						1842	1118	1842	1229?	x--- ---- x--- x--- ----	2	6/-
		West flank (2400-1900 m), Central Crater						1843	1117	1843	1216?	x-x- ---- x--- x--- xx--	2	7/6
		East (Valle del Bove 1950-1700 m)						1852	0820	1853	0527	x-x- ---- x--- x--- -x--	2	8/6
		Central Crater					?	*1857*	*0906*	....	....	x--- ---- ?--- ---- ----	*1?*	
		Central Crater						1863	0501	1863	0725?	x--- ---- x--- x--- -x--	3?	
		Central Crater						1864	0805d	1864	0919	x--- ---- x--- x--- ----	2	
		NE flank (1865-1690 m, Mt. Sartorius)						1865	0130	1865	0628	x-x- ---- x--- x--- -x--	2	7/6
		Central Crater						1868	1126?	1868	1208	x--- ---- x--- ---- ----	3	
		East flank (W wall of Valle del Bove)						1869	0926	1869	0926	--x- ---- ---- x--- ----	0	6/-
		Central Crater						1874	05	....	....	x--- ---- x--- ---- ----	2	
		North flank (2520-2110 m), Central Crater						1874	0829	1874	0831	x-x- ---- x--- x--- ----	2	6/6
		Central Crater						1878	1223	1883	0331>	x-x- ---- x--- x--- -x--	2	
		SSW (2650-2300 m), NNE (2450-1690 m)						1879	0526	1879	0607	--x- ---- x--- x--- -x--	3	7/7
		South flank (1200-950 m, Mt. Leone)						1883	0322	1883	0324	--x- ---- x--- x--- ----	2	4/5
		Central Crater						1884	....	1886	04	x--- ---- x--- ---- ----	1	
		S flank (1525-1320 m), Mt. Gemmellaro						1886	0518	1886	0607	x-x- ---- x--- x--- -x--	3	7/6
		Central Crater						1887	0531	1887	08	x--- ---- x--- ---- ----	1	
		Central Crater						1888	0413<	1889	08	x--- ---- x--- ---- ----	2	
		Central Crater						1890	05	1890	1017?	x--- ---- x--- ---- ----	2*	
		Central Crater						1891	0220	1891	12	x--- ---- x--- ?--- ----	2*	
		Central Crater						1892	0620	1892	0708?	x--- ---- x--- ---- ----	2*	
		South flank (2045-1800 m), Mt. Silvestri						1892	0709	1892	1229	--x- ---- x--- x--- -x--	2	8/6
		Central Crater						1893	0426	1898	06	x--- ---- x--- x--- ----	1	
		Central Crater						1899	0719	1899	0805	x--- ---- x-x- ---- -x--	3	
								1899	1115	1907	08	x--- ---- x--- x--- ----	2*	
		SE flank (Valle del Bove 2800-2275 m)						1908	0429	1908	0501a	x-x- ---- x--- x--- ----	2	6/5
		Central Crater						1908	0520	1909	0928	x--- ---- x--- ---- ----	2	
		Central Crater						1910	0221	1910	0221	x--- ---- x--- ---- ----	1	
		South flank (2300-1900 m, Mt. Ricco)						1910	0323	1910	0418	x-x- ---- x--- x--- -x--	2	7/5
		Central Crater						1910	1227	1911	0217	x--- ---- x--- ?--- ----	2	
		(collapse forming NE Crater: no eruption)					X	*1911*	*0527*	....	....	---- ---- ---- ---- ----		
		Central Crater, NE Crater?						1911	08	1911	0926d	x--- ---- x--- ---- ----	2	
		NE flank (2550-1625 m)						1911	0910	1911	0922	--x- ---- x--- x--- -x--	1	7/6
		Central Crater						1912	0804	1912	08	x--- ---- x--- x--- ----	3	
		Central Crater, NE Crater						1913	1113	1917	03	x--- ---- x--- x--- ----	2	
		NE Crater, Central Crater						1917	0624	1917	0705d	x--- ---- x--- x--- -x--	2	
		NE Crater, Central Crater						1918	03	1918	11	x--- ---- x--- x--- ----	2*	
		North flank (3110-2025 m)						1918	1130?	1918	1201?	--x- ---- x--- x--- ----	1?	6/-
		Central Crater, NE Crater						1919	0315	1923	07 ?	x--- ---- x--- x--- ----	2	6/-
		NE flank (2500-1800 m)						1923	0617	1923	0718	x-x- ---- x--- x--- -x--	2	7/5
		Central Crater						1923	1009	1925	02	x--- ---- x--- ---- ----	1	
		NE Crater						1926	0102	1926	06	x--- ---- x--- ---- ----	1	
		Central Crater						1928	0731	1928	0820	x--- ---- x--- ---- ----	1	
		East flank (3000-1200 m), NE Crater						1928	1102	1928	1120	x-x- ---- x--- x--- xx--	1	7/6
		NE Crater						1929	0802	....	....	x--- ---- x--- ---- x---	1	
		NE Crater						1930	1101	....	....	x--- ---- x--- ---- ----	1	
		Central Crater, NE Crater						1931	0726e	1933	09	x--- ---- x--- ---- ----	2	
		NE Crater						1934	0105	1934	03	x--- ---- x--- ---- ----	1	
		Central Crater, NE Crater						1935	0707	1941	0127?	x--- ---- x--- x--- -x--	3*	
		Central Crater, NE Crater						1941	10 ?	1944	0426d	x--- ---- x--- ---- ----	2	
		SW flank (2780-2240 m)						1942	0630	1942	0701	--x- ---- x--- x--- ----	2	6/5
		NE Crater						1945	0605d	1945	10	x--- ---- x--- ---- ----	1	
		NE Crater						1946	02	1946	10	x--- ---- x--- ---- ----	1	
		NE Crater, Central Crater						1947	0129	1947	0224	x--- ---- x--- ---- ----	3?	
		NE flank (3050-2150 m)						1947	0224	1947	0310	--x- ---- x--- x--- -x--	1	7/4
		Central Crater and NW flank (2420-1900 m)						1949	1202	1949	1205	x-x- ---- x-x- x--- -x--	2	7/5
		NE Crater						1949	1203	1950	11	x--- ---- x--- ---- ----	1	
		East flank (2820-2200 m)						1950	1125	1951	1202	--x- ---- x-x- x--- -x--	2	8/6
		NE Crater						1951	0921	1952	0530	x--- ---- x--- ---- ----	1	
							?	*1953*	*0730*	....	....	---- ---- ?--- ---- ----	*2*	
		NE Crater, Central Crater						1955	0405	1956	0407	x--- ---- x--- x--- ----	2*	6/6
		NE Crater						1957	0205	1957	0507	x--- ---- x--- x--- ----	2	6/7
		NE Crater						1957	0825	1958	0503	x--- ---- x--- x--- ----	2	
		NE Crater, Central Crater						1958	11	1958	12	x--- ---- x--- ---- ----	1	
		Central Crater						1959	0323	1959	0425e	x--- ---- x--- ---- ----	1	
		Central and NE Craters, NNE (3100 m)						1959	1017	1964	1231	x-x- ---- x--- x--- -x--	3*	7/-
		NE Crater, Central Crater						1966	0110	1971	03 ?	x--- ---- x--- x--- ----	2	7/-
		SE flank (2550 m)						1968	0107	1968	0504	--x- ---- ---- x--- ----	0	6/-
		SE flank (3050 m), E flank (2880-1800 m)						1971	0405	1971	0612	x-xx ---- x--- x--- -x--	2	7/6
		Central Crater						1971	0919	1979	03 ?	x--- ---- x--- ---- ----	2	6/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Radial fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Etna (Sicily) *continued*		Area of Activity															
		West flank (1670 m and 1650 m)									1974	0130	1974	0329	--x- ---- x--- x--- -x--	2	6/6
		NE Crater									1974	0929?	1978	0329	x--- ---- x--- x--- ----	2	7/-
		North flank (2625 m)									1975	0224	1975	0829	--x- ---- x--- x--- ----	1	6/-
		SE Crater, SE and ENE flanks (3050-1675 m)									1978	0429	1978	1130	--x- ---- x--- x--- ----	2*	7/-
		Central Crater									1979	0703	1992	12	x--- ---- x-x- ---- xx--	2*	
		SE Crater, SE, E and NE flanks									1979	0716	1980	0901e	x-x- ---- x--- x--- -x--	3?	6/-
		NE Crater									1980	0708	1980	0926	x--- ---- x--- x--- ----	3*	6/-
		NE Crater									1981	0126e	1981	0305d	x--- ---- x--- x--- ----	2	6/-
		NNW flank (2550-1140 m)									1981	0317	1981	0323	--x- ---- x--- x--- -x--	2	7/6
		NE Crater									1981	1126	1981	1126	x--- ---- x--- ---- ----	2	
		South flank (2680-2250 m)									1983	0328	1983	0806	--x- ---- x-x- x--- -x--	1	7/5
		SE Crater									1984	0428	1984	1018	x--- ---- x--- x--- ----	1	7/5
		NE Crater									1984	0720	1986	0924	x--- ---- xx-- x--- xx--	3*	5/6
		SE Crater, south flank (2620-2480 m)									1985	0308	1985	0713	x-x- ---- x-x- x--- -xx-	1	7/4
		SE Crater and SE flank (2750-2420 m)									1985	1219	1985	1231	x-x- ---- x--- x--- x---	1	5/4
		SE Crater									1986	03	1986	1031?	x-x- ---- x--- x--- ----	2?	
		Valle del Bove (3050-2180 m)									1986	1030	1987	0301	--x- ---- x--- x--- ----	2	7/6
		NE and SE Craters									1987	0308h	1987	0516	x--- ---- x-x- ---- x---	2*	
		SE Crater									1988	1002	1989	0630	x--- ---- x--- x--- ----	1	
		SE Crater, SE and NE flanks									1989	0911	1989	1009	x-x- ---- x--- xx-- -x--	2	7/-
		SE and NE Craters									1989	1216	1992	0523	x--- ---- x--- x--- ----	3*	6/7
		SE flank (3100-2800 m and 2400-2100 m)									1991	1214	1993	0330	--x- ---- x--- x--- -x--	2	8/-
		NE Crater									1993	0203	1993	0203	x--- ---- x-x- ---- ----	1	
		Central Crater, NE Crater									1993	0803	1993	1013	x--- ---- x--- ---- ----	1	
		Central Crater, NE Crater, SE Crater									1994	0617	2001	0717	x-x- ---- xx-- x-x- -x--	3*	7/8
		S to NE flanks (3100-2100 m)									2001	0717	2001	0809	--x- ---- x--- x--- -x--	2*	7/6
		Central Crater, NE Crater									2001	12 ?	2002	1030?	x--- ---- x--- ---- ----	1	
		NE Rift (3100-1900 m), S flank (2850-2600 m)									2002	1026	2003	0128	--x- ---- x--- x--- -x--	3	7/7
		NE Crater									2003	0308c	2003	1109	x--- ---- x--- ---- ----	1	
		Central Crater									2004	0212	2004	0214	x--- ---- x--- ---- ----	1?	
		SE Crater, SE flank (3000-2320 m)									2004	0907	2005	0308	x-x- ---- x--- x--- ----	1*	7/-
		Bocca Nuova									2005	1216	2005	1222	x--- ---- x--- ---- ----	1	
		SE Crater & flank vents; NE Crater									2006	0714	2006	1215	x-x- ---- xx-- x--- ----	2*	7/-
		Bocca Nuova, SE Crater and flank vents									2007	0319	2008	05 ?	x--- ---- x--- x--- ----	2*	
		East base of NE Crater (3000-2650 m)									2008	0513	2009	0704	--x- ---- x--- x--- ----	1	
Campi Flegrei Mar Sicilia (Italy)	37.10 N*	12.70 E	-8	6666			XB	**Submarine volcs**	0101-07=	**Historical**							
			-0253k								....	....	....	....	---- x--- ---- ---- ----		
		Giulia Ferdinandeo									1632	....	....	....	---- x--- ---- ---- ----	0	
		Giulia Ferdinandeo									*? 1701*	....	....	....	---- ??-- ---- ---- ----	*2*	
		Giulia Ferdinandeo (Graham Island)									1831	0628>	1831	0811d	---x xx-- x--- ---- ----	3*	-/8
		Pinne									1846	1004	1846	1005	---- x--- ---- ---- ----	2	
		Giulia Ferdinandeo									1863	0812	....	....	---- xx-- ---- ---- ----	2	
		Pinne									1867	....	....	....	---- x--- ---- ---- ----	0	
		Pinne									*? 1911*	*0930*	....	....	---- ?--- ---- ---- ----	*1?*	
Pantelleria (Italy)	36.77 N	12.02 E	836	4556			RTBXy	**Shield volcano**	0101-071	**Historical**							
		Cuddia di Mida, Valenza							K-7050?		....	....	....	....	x--- ---- x--- x--- ----		
		Cuddia Patite ?							C-6130u		....	....	....	....	x--- ---- x--- ---- ----		
		Punta Tracino							C-5610v		....	....	....	....	-x-- ---- x--- ---- ----		
		Cuddia Randazzo							C-3640y		....	....	....	....	x--- ---- x--- x--- ----		
		Hingeline vent system							C-1080y		....	....	....	....	x--- ---- x--- ---- ----		
		Off the northern coast							*? 1831*		....	....	....	....	---- ?--- ---- ---- ----		
		Foerstner (4 km NNW of Pantelleria)							1891	1017	1891	1025	---x x--- x--- ---- ----	1	
		South of Pantelleria							*? 1891*	*12*	....	....	---- ?--- ---- ---- ----		

GREECE

Susaki (Greece)	37.935 N	23.073 E	180						0102-01=	Not a Volcano							
Methana (Greece)	37.615 N	23.336 E	760	3457			AD	**Lava domes**	0102-02=	**Historical**							
		Kameno Vouno						-0258o			....	....	....	....	---- ---- x--- x-x- ----	3	7/-
								? 1922	*08*		....	....	....	....	---- ---- ?--- ---- ----		
Milos (Greece)	36.699 N*	24.439 E	751	4445			RAD	**Stratovolcanoes**	0102-03=	**Radiocarbon**							
		SE Milos, east of Fyriplaka tuff ring						G 0140y			....	....	....	....	x--- ---- x-x- ---- -xx-	1?	
Santorini (Greece)	36.404 N	25.396 E	367	4555			DABTr	**Shield volcanoes**	0102-04=	**Historical**							
								G-1610m			....	....	....	....	x--x x--- xxxx ---- xxxx	7?	-/10
		Hiera Island						-0197			....	....	....	....	x--x xx-- x--- ---- ----	3	
		(eruption took place in 46 A.D.)						*X 0019*			....	....	....	....	---- ---- ---- ---- ----		
		Thia Island						0046	1231	0047	0201p	x--x xx-- x--- x-x- ---x	3	
		NE side of Thia Island						0726	0715q	....	....	x--x xx-- x--- x-x- -x--	4?	7/-
		Mikri Kameni						1570	....	1573	....	x--x xx-- x--- x-x- ----	3	6/-
		Colombo Bank (6.5 km NE of Thera)						1650	0927	1650	1206	-x-x xx-- x--- x--- xx-x	4?	-/8
		Nea Kameni						1707	0523	1711	0914	x--x xx-- x--- x-x- -x--	3	7/-
		Georgios, Afroessa and Reka domes						1866	0126	1870	1015	x--x xx-- x--- x-x- xx--	2	8/-
		Nea Kameni (Dafni dome)						1925	0811	1926	05	x--x x--- xxx- x-x- ?---	2*	8/-
		Nea Kameni (Naftilos dome)						1928	0123	1928	0317	x--x ---- x-x- x-x- ----	2	4/-
		Nea Kameni (Triton, Ktenas, Fouque domes)						1939	0820	1941	0702a	x--x x--- x-x- x-x- -x--	2	7/-
		Nea Kameni (Liatsikas dome)						1950	0110	1950	0202	x--x ---- x-x- x-x- ----	2	4/-
Nisyros (Greece)	36.586 N	27.160 E	698	3356			DAR	**Stratovolcano**	0102-05=	**Historical**							
								1422			....	....	....	....	x--- ---- ---- ?-x- ?--- ----	2	
		Plegathon and Polyvotis						1871			....	....	....	....	x--- ---- x-x- ---- -x--	2	
		Plegathon and Polyvotis						1873	06	1873	0926	x--- ---- x-x- ---- --x-	2	
		Polyvotis Micros						1888	0925d	....	....	x--- ---- --x- ---- ----	2	
Yali (Greece)	36.671 N	27.140 E	180	1356			R	**Lava domes**	0102-051	**Holocene**							

TURKEY

Kula (Turkey-W)	38.58 N*	28.52 E	750	5567			XZbyf	**Cinder cones**	0103-00-	**Holocene**							
Karapinar Field (Turkey-C)	37.67 N*	33.65 E	1302	5557			YXb	**Cinder cones**	0103-001	**Holocene**							
Hasan Dagi (Turkey-C)	38.13 N	34.17 E	3253	3467			DARBY	**Stratovolcano**	0103-002	**Holocene**							
								?-7550t			....	....	....	....	?--- ---- ??-? ---- ----		
								?-6750t			....	....	....	....	?--- ---- ?--- ?--- ----		
Göllü Dag (Turkey-C)	38.25 N	34.57 E	2143	3567			RDB	**Lava dome**	0103-003	Holocene?							

Romolo Romano (IIV-CNR, Italy)

1986 eruption

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	Area of Activity	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	M-Dy	— Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosion / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Acigöl-Nevsehir (Turkey-C)	38.57 N	34.52 E		1689	6667				RDBA	**Caldera**	0103-004	**Anthropology**						
(tephra layer T10)										C-7810?						x--- ---- x--- ---- ----		
(tephra layer T13)										C-6230?						x--- ---- x--- ---- ----		
(tephra layer T15)										C-3500?						x--- ---- x--- ---- ----		
(tephra layer T17)										C-2370x						x--- ---- x--- ---- ----		
										A-2080x						---- ---- x--- ---- -x--		
Erciyes Dagi (Turkey-C)	38.52 N	35.48 E		3916	4467				DARYT	**Stratovolcano**	0103-01=	**Radiocarbon**						
										G-6880s						---- ---- x--- ---- ----		
										? 0253<						-x-- ---- ?--- ---- ----		
Karaca Dag (Turkey-E)	37.67 N	39.83 E		1957	4457				B	**Shield volcano**	0103-011	**Holocene**						
Nemrut Dagi (Turkey-E)	38.65 N	42.23 E		2948	3467				RTYBX	**Stratovolcano**	0103-02=	**Historical**						
										V-9950w						---- ---- x--- ---- ----		
										V-7769?						---- ---- x--- ---- ----		
										V-7579?						---- ---- x--- ---- ----		
										V-7087?						---- ---- x--- ---- ----		
										V-6471?						---- ---- x--- ---- ----		
										V-6213?						---- ---- x--- ---- ----		
										V-5745?						---- ---- x--- ---- ----		
										V-5320?						---- ---- x--- ---- ----		
										V-5242u						---- ---- x--- ---- ----		
										V-5152?						---- ---- x--- ---- ----		
										V-5085?						---- ---- x--- ---- ----		
										V-4938u						---- ---- x--- ---- ----		
										V-4849?						---- ---- x--- ---- ----		
										V-4615?						---- ---- x--- ---- ----		
										V-4321?						---- ---- x--- ---- ----		
										V-4055l						---- ---- x--- ---- ----		
										V-1662?						---- ---- x--- ---- ----		
										V-1396?						---- ---- x--- ---- ----		
										V-0787q						---- ---- x--- ---- ----		
										V-0657q						---- ---- x--- ---- ----		
										V-0531?						---- ---- x--- ---- ----		
East flank (Lake Van)										1111						-x-- ---x x--- ---- ---x		
										V 1402?						---- ---- x--- ---- ----		
North flank (Nemrut Boynu)										1441						--x- ---- x--- x--- ----		
										1597<						--x- ---- ---- x--- ----		
East flank (Lake Van)										1650	1027					-x-- ---x x--- ---- ----		
										? 1692	*0413*					---- ---- ?--- ---- ----		
Süphan Dagi (Turkey-E)	38.92 N	42.82 E		4158	3467				YTRDX	**Stratovolcano**	0103-021	**Holocene**						
										T-8050?						-x-- ---- ?--- ?--- ----		
Girekol Tepe (Turkey-E)	39.10 N	43.42 E			4467				AD	**Shield volcano**	0103-022	**Holocene**						
Tendürek Dagi (Turkey-E)	39.37 N	43.87 E		3584	3467				BTYPZ	**Shield volcano**	0103-03=	**Historical**						
Lower SE flank										C-0550?						-x-- ---- ---- x--- ----		
										1855						---- ---- x--- ---- ----		
Ararat (Turkey-E)	39.70 N	44.30 E		5165	2467				ADBXR	**Stratovolcano**	0103-04-	**Historical**						
NW flank										A-2450t						-x-- ---- xx-- x--- xx--		
Summit (?) and north flank										A-0550						?x-- ---- ---- x--- ----		
										? 1450						---- ---- ---- ---- ----		
										? 1783						---- ---- ---- ---- ----		
Upper northern flank										1840	0702					--x- ---- xx-A ---- xxx-		3?
Kars Plateau (Turkey-E)	40.75 N*	43.25 E		3000	7777				AYDBR	**Volcanic field**	0103-05-	Holocene?						
										? 1450t						---- ---- ---- ---- ----		*2?*
										? 1959	*07*					x--- ---- --?- ---- ----		*2*

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Nemrut Dagi caldera

CAUCASUS & ARMENIA

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	Area of Activity	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	M-Dy	— Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosion / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Elbrus (Russia-SW)	43.33 N	42.45 E		5633	2347				DART	**Stratovolcano**	0104-01-	**Tephrochronology**						
										T 0050t						---- ---- x--- x--- ----		
Kasbek (Georgia)	42.70 N	44.50 E		5050	0147				AD	**Stratovolcano**	0104-02-	**Tephrochronology**						
										C-4000t						---- ---- ---- x--- ----		
										T-0750t						---- ---- ---- ---- ----		
Kabargin Oth Group (Georgia)	42.55 N*	44.00 E		3650	4447				AD	**Cinder cones**	0104-03-	**Holocene**						
Unnamed (Georgia)	42.45 N*	44.25 E		3750	3357				AD	**Cinder cones**	0104-04-	**Holocene**						
Unnamed (Georgia)	41.55 N*	43.60 E		3400	5557				ABRD	**Lava cones**	0104-05-	**Holocene**						
Aragats (Armenia)	40.53 N	44.20 E		4095	0367				ABDR	**Stratovolcano**	0104-06-	**Holocene**						
Ghegam Ridge (Armenia)	40.275 N*	44.75 E		3597	7777				ARD	**Volcanic field**	0104-07-	**Anthropology**						
North part of eastern cone cluster										A-1900*						---x ---- ---- x--- ----		0
Dar-Alages (Armenia)	39.70 N*	45.542 E		3329	5557				A	**Pyroclastic cones**	0104-08-	**Anthropology**						
Vaiyots-Sar										A-2000*						---- ---- ---- x--- ----		
										? 0753						---- ---- ?--- ---- ----		
Porak (Armenia)	40.02 N	45.78 E		2800	3357				A	**Stratovolcano**	0104-09-	**Anthropology**						
										T-4510y						x--- ---- x--- x--- ----		
SW flank										A-0778e						-x-- ---- x--- x--- xx--		
										?-0740b						---- ---- ?--- ?--- x---		
Tskhouk-Karckar (Armenia)	39.73 N	46.02 E		3000	2357				ADR	**Pyroclastic cones**	0104-10-	**Tephrochronology**						
										T-3000y						x--- ---- x--- x--- -x--		

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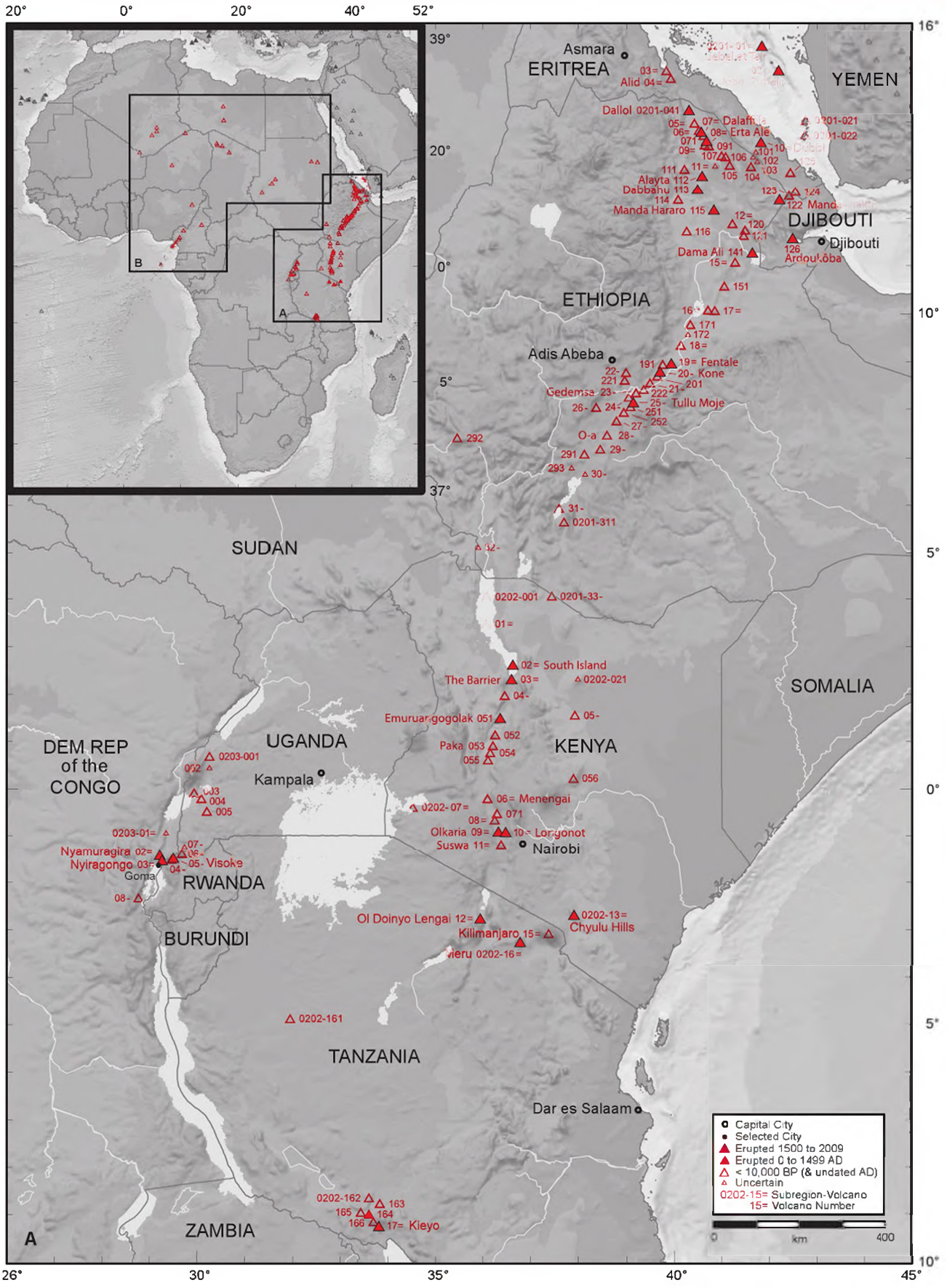
Africa & Red Sea (02)



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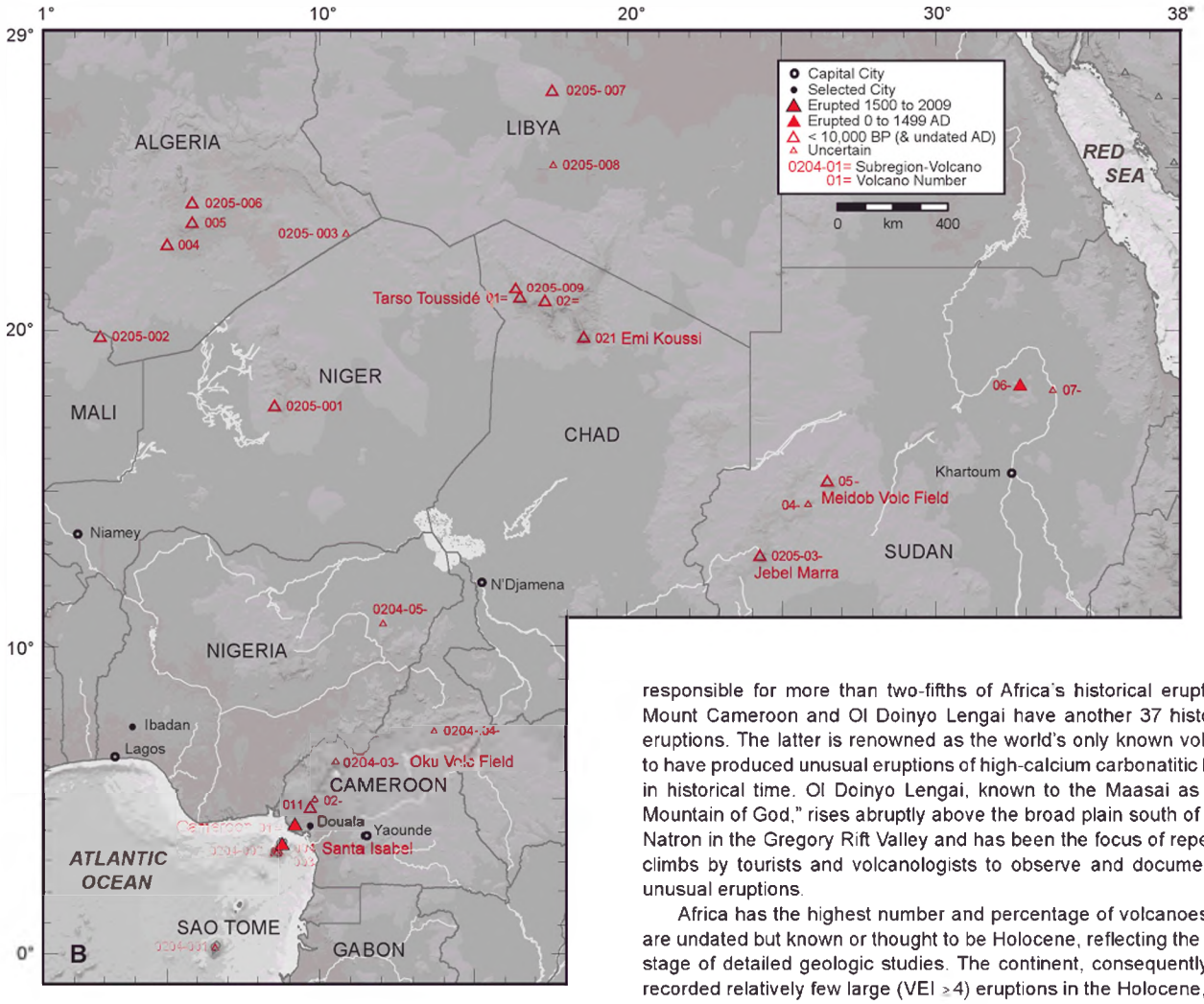

Africa's historical record is relatively brief, but it is the only region other than the Mediterranean with a historically dated BC eruption (at Mt. Cameroon, observed by a passing Carthaginian navigator in the 5th century BC). By the 15th century AD, however, when Portuguese exploration of Africa had begun and Vasco de Gama sailed to India via the Cape of Good Hope, only 2 more historical eruptions had been recorded (both from Ethiopia), and the main historical record of the continent did not begin until the opening of the Suez Canal at the end of 1869, and the heyday of African exploration that followed. More than 85% of the region's 155 historical eruptions are since 1870.

Most African volcanoes result from the rifting in E Africa, hotspots, or a combination of the two. The East African Rift, one of the world's most dramatic extensional structures, has produced the continent's highest and lowest volcanoes, ranging from massive Kilimanjaro to vents in Ethiopia's Danakil Depression that lie below sea level. Young fissure-fed lava flows blanket large areas along the floor of the East African Rift. Recent eruptions in 2007 and 2009 from closely spaced fissures of the Manda Hararo complex in Ethiopia mark an episode of extension and lava effusion analogous to rifting episodes along the Mid-Atlantic Ridge in Iceland at Krafla volcano in the 18th and 20th centuries. Four African volcanoes are its most active, accounting for nearly two-thirds of the continent's historical eruptions. Two neighboring volcanoes in Zaire's Virunga National Park, Nyamuragira and Nyiragongo, have 64 historical eruptions between them, and are responsible for more than two-fifths of Africa's historical eruptions. Mount Cameroon and Ol Doinyo Lengai have another 37 historical eruptions. The latter is renowned as the world's only known volcano to have produced unusual eruptions of high-calcium carbonatitic lavas in historical time. Ol Doinyo Lengai, known to the Maasai as "The Mountain of God," rises abruptly above the broad plain south of Lake Natron in the Gregory Rift Valley and has been the focus of repeated climbs by tourists and volcanologists to observe and document its unusual eruptions.

Africa has the highest number and percentage of volcanoes that are undated but known or thought to be Holocene, reflecting the early stage of detailed geologic studies. The continent, consequently has recorded relatively few large (VEI ≥4) eruptions in the Holocene, also reflecting the typical milder eruptions of many rift zone volcanoes. However, rift zone volcanoes are bimodal in chemistry, and many large-volume caldera-forming eruptions have occurred from East-African Rift volcanoes during the early Holocene and late Pleistocene. Africa leads the world in the rate of lava lake production, with 10% of its eruptions (most at Erta Ale, Nyiragongo, and Nyamuragira) having exhibited this relatively uncommon characteristic. Dramatic draining of long-term lava lakes at the summit crater of Nyiragongo volcano through fissures on its southern flanks in 1977 and 2002 produced lava flows that reached inhabited areas and caused many fatalities. The 1977 flows were particularly fluid and traveled at unusually high velocities, estimated at 60-100 km/hr. The 2002 lava flows traveled through the city of Goma, exacerbating the pre-existing humanitarian crisis due to long-term political turmoil.

Africa, somewhat surprisingly, consistently ranks in the top five volcanic regions in numbers of people living in proximity to volcanoes within distances of 5-100 km. This largely reflects the high number of broad volcanic fields and calderas in proximity to cities such as Adis Abeba, Nairobi, and Goma in the East African Rift and along the Cameroon Line of SW Africa. The latter area has become known for a relatively unusual type of volcanic hazard resulting from lethal gas emissions from overturn of stratified volcanic lake waters. Lake Monoun and Lake Nyos both produced catastrophic carbon-dioxide gas release events in 1984 and 1986, respectively; the Lake Nyos disaster caused at least 1700 fatalities when the denser-than-air CO_2 flowed down inhabited valleys.

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
ETHIOPIA & RED SEA															
Tair, Jebel at (Yemen)	15.55 N	41.83 E	244	0005			XB	Stratovolcano	0201-01=		Historical				
1750t													---- ---- x--- ---- ----	2	
1833									1231y				---- ---- x--- ---- ----	2	
1863													---- ---- ?--- ---- ----	2	
1883													---- ---- ?--- ---- ----	2	
2007									0930		2008	06 ?	x-x- ---- x--- x--- x---	3?	
Zubair, Jebel (Yemen)	15.05 N	42.18 E	191	1116			BX	Shield volcano	0201-02=		Historical				
Saddle Island									1824				---- ---- x--- ---- ----	2	
Saddle Island									? 1846	0814			---- ---- ?--- ---- ----	2	
Zukur (Yemen)	14.02 N	42.75 E	624	3347			BXYT	Shield volcano	0201-021		Holocene				
Hanish (Yemen)	13.72 N	42.73 E	422	3336			BXY	Shield volcano	0201-022		Holocene				
Jalua (Eritrea)	15.042 N	39.82 E	713	4557			B	Stratovolcano	0201-03=		Holocene				
Alid (Eritrea)	14.88 N	39.92 E	904	3457			RBAYT	Stratovolcano	0201-04=		Holocene				
Dallol (Ethiopia)	14.242 N	40.30 E	-48	3346			U	Explosion craters	0201-041		Historical				
1926													---- ---- --x- ---- ----	1	
Gada Ale (Ethiopia)	13.975 N	40.408 E	287	3346			BYT	Stratovolcano	0201-05=		Holocene				
Alu (Ethiopia)	13.825 N	40.508 E	429	0156			BATR	Fissure vents	0201-06=		Holocene				
Dalaffilla (Ethiopia)	13.792 N	40.55 E	613	0156			BATR	Stratovolcano	0201-07=		Historical				
W and NW of Dalaffilla									2008	1103	2008	12 ?	---x ---- x--- x--- ----	3?	
Borale Ale (Ethiopia)	13.725 N	40.60 E	668	0056			BATR	Stratovolcano	0201-071		Holocene				
Erta Ale (Ethiopia)	13.60 N	40.67 E	613	4446			BA	Shield volcano	0201-08=		Historical				
? 1873													---- ---- ?--- ---- ----	2	
? 1903													---- ---- ?--- ---- ----	2	
? 1904									1101r				---- ---- ?--- ---- ----	2	
1906									05				x--- ---- ?--- ?x-- ----	0	
1940													x--- ---- ---- -x-- ----	0	
1960									01				x-x- ---- ---- x--- ----	0	
1967<											2010>		x--- ---- ---- xx-- ----	0	
Ale Bagu (Ethiopia)	13.52 N	40.63 E	1031	1346			BTR	Stratovolcano	0201-09=		Holocene				
Hayli Gubbi (Ethiopia)	13.50 N	40.72 E	521	0246			BTR	Shield volcano	0201-091		Holocene				
Dubbi (Eritrea)	13.58 N	41.808 E	1625	0025			BXytr	Stratovolcano	0201-10=		Historical				
1400									0715q				x-x- ---- x--- x--- ----	2?	
1861									0508		1861	10 ?	x-x- ---- x?-- x--- xx--	3?	9/-
(perhaps confused with 1861 eruption)									? 1863				---- ---- ?--- ---- ----	2	
? 1900?													---- ---- ---- ?--- ----		
Nabro (Eritrea)	13.37 N	41.70 E	2218	2345			TRB	Stratovolcano	0201-101		Holocene?				
Mallahle (Ethiopia/Eritrea)	13.27 N	41.65 E	1875	3445			TRB	Stratovolcano	0201-102		Holocene?				
Sork Ale (Ethiopia/Eritrea)	13.18 N	41.725 E	1611	3345			BT	Stratovolcano	0201-103		Holocene?				
Asavyo (Ethiopia)	13.07 N	41.60 E	1200	2345			BR	Shield volcano	0201-104		Holocene				
Mat Ala (Ethiopia)	13.10 N	41.15 E	523	2245			BAXY	Shield volcano	0201-105		Holocene				
Tat Ali (Ethiopia)	13.28 N	41.07 E	700	2246			BXYRT	Shield volcano	0201-106		Holocene				
Borawli (Ethiopia)	13.30 N	40.98 E	812	2346			BTR	Stratovolcano	0201-107		Holocene				
Afdera (Ethiopia)	13.08 N	40.85 E	1295	2446			Rbxa	Stratovolcano	0201-11=		Holocene?				
Ma Alalta (Ethiopia)	13.02 N	40.20 E	1815	4557			RTbxa	Stratovolcano	0201-111		Holocene				
Alayta (Ethiopia)	12.88 N	40.57 E	1501	3356			BTY	Shield volcano	0201-112		Historical				
SE flank									1907	06	1907	0804>	---x ---- x--- x--- xx--	2	
1915													---- ---- x--- ---- ----	2	
Dabbahu (Ethiopia)	12.60 N	40.48 E	1442	3456			RTBXY	Stratovolcano	0201-113		Historical				
NE flank (Da'Ure)									2005	0926	2005	0929	--x- ---- x--- --x- ----	3?	
Dabbayra (Ethiopia)	12.38 N	40.07 E	1302	3457			BR	Shield volcano	0201-114		Holocene				
Manda Hararo (Ethiopia)	12.17 N	40.82 E	600	3346			B	Shield volcanoes	0201-115		Historical				
2007									0812		2007	0917?	---x ---- x--- x--- ----	2	
2009									0628		2009	0701?	---x ---- ---- x--- ----	2?	
Groppo (Ethiopia)	11.73 N	40.25 E	930	4557			R	Stratovolcano	0201-116		Holocene				
Kurub (Ethiopia)	11.88 N	41.208 E	625	1156			BX	Shield volcano	0201-12=		Holocene				
Manda Gargori (Ethiopia)	11.75 N	41.48 E		3456			BR	Fissure vents	0201-120		Anthropology				
Borawli (Ethiopia)	11.63 N	41.45 E	875	3566			R	Lava domes	0201-121		Holocene				
Manda-Inakir (Ethiopia/Djibouti)	12.38 N	42.20 E	600	3456			BX	Fissure vents	0201-122		Historical				
Kammourta									1928	1231y			---x ---- x--- x--- ----	2?	
Mousa Alli (Ethiopia/Eritrea/Djibouti)	12.47 N	42.40 E	2028	3456			RTB	Stratovolcano	0201-123		Holocene				
Gufa (Eritrea/Djibouti)	12.55 N*	42.53 E	600	4446			B	Volcanic field	0201-124		Holocene				
Assab Volc Field (Eritrea)	12.95 N*	42.43 E	987	1126			B	Volcanic field	0201-125		Holocene				
Ardoukōba (Djibouti)	11.58 N*	42.47 E	298	4446			BXR	Fissure vents	0201-126		Historical				
1978									1107		1978	1114	---x ---- x--- xx-- ----	1	7/-
Dama Ali (Ethiopia)	11.28 N	41.63 E	1068	2456			BTR	Shield volcano	0201-141		Historical				
@ 1631									0214?				---- ---- x--- ---- ----		
Gabillema (Ethiopia)	11.08 N	41.27 E	1459	3356			RBXY	Stratovolcano	0201-15=		Holocene				
Yangudi (Ethiopia)	10.58 N	41.042 E	1383	2356			RBXY	Complex volcano	0201-151		Holocene				
Ayelu (Ethiopia)	10.082 N	40.702 E	2145	3457			R	Stratovolcano	0201-16=		Holocene				
? 1928													---- ---- ?--- ---- ----	2	
Adwa (Ethiopia)	10.070 N	40.840 E	1733	3357			RBT	Stratovolcano	0201-17=		Holocene				
? 1828													---- ---- ?--- ---- ----	2	
? 1928													---- ---- ?--- ---- ----	2	
Hertali (Ethiopia)	9.78 N	40.33 E	900	3457			B	Fissure vent	0201-171		Holocene				
Liado Hayk (Ethiopia)	9.57 N*	40.28 E	878	5557			U	Maars	0201-172		Holocene?				
Dofen (Ethiopia)	9.35 N	40.13 E	1151	4557			R	Stratovolcano	0201-18=		Holocene				
Fentale (Ethiopia)	8.975 N	39.93 E	2007	4567			RTXA	Stratovolcano	0201-19=		Historical				
1250t													-x-- ---- ---- x--- -x--		
Caldera floor and SW flank									1820?				---x ---- ---- x--- ----	0	7/-
Beru (Ethiopia)	8.95 N	39.75 E	1100	4567			B	Volcanic field	0201-191		Holocene				
Kone (Ethiopia)	8.80 N	39.692 E	1619	4567			RTB	Calderas	0201-20-		Historical				
East margin of Garibaldi caldera									1820j				x--x ---- x--- x--- ----	1	
Unnamed (Ethiopia)	8.70 N*	39.63 E	1300	6667			B	Pyroclastic cones	0201-201		Holocene				
Boset-Bericha (Ethiopia)	8.558 N	39.475 E	2447	4567			RTBXY	Stratovolcanoes	0201-21-		Holocene				
Bishoftu Volc Field (Ethiopia)	8.78 N*	38.98 E	1850	6667			BR	Fissure vents	0201-22-		Holocene				
Unnamed (Ethiopia)	8.62 N*	38.95 E	1800	6667			B	Fissure vents	0201-221		Holocene				

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	M-Dy	— Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central; Flank vent; Radial fiss; Regional; Submarine; New island; Subglacial; Crater lake; Explosive; Pyro flow; Phreatic; Caldera; Lava flow; Lava lake; Dome; Spine; Fatal; Damage; Mudflow; Tsunami	VEI	Vol L/T
Sodore (Ethiopia)	8.43 N*	39.35 E	1765	6667				B	Pyroclastic cones	0201-222	Holocene						
Gedamsa (Ethiopia)	8.35 N	39.18 E	1984	6667				RTb	Caldera	0201-23-	Holocene						
Bora-Bericcio (Ethiopia)	8.27 N	39.03 E	2285	4567				R	Pumice cones	0201-24-	Holocene						
Tullu Moje (Ethiopia)	8.158 N	39.13 E	2349	5567				RTBX	Pumice cone	0201-25-	Anthropology						
		Giano							A	1775q				---x	----	----	x---	----	
		Wonji fault belt, SE of Lake Koka								1900?				---x	----	x---	x---	-x--	
Unnamed (Ethiopia)	8.07 N*	39.07 E	1800	6667				B	Fissure vents	0201-251	Holocene						
East Zway (Ethiopia)	7.95 N*	38.93 E	1889	5567				B	Fissure vents	0201-252	Holocene						
Butajiri-Silti Field (Ethiopia)	8.05 N*	38.35 E	2281	6667				B	Fissure vents	0201-26-	Holocene						
Alutu (Ethiopia)	7.77 N	38.78 E	2335	4567				RDB	Stratovolcano	0201-27-	Radiocarbon						
									C	-0050?				----	----	x---	x---	----	
O'a Caldera (Ethiopia)	7.47 N	38.58 E	2075	6667				RTb	Caldera	0201-28-	Holocene						
Corbetti Caldera (Ethiopia)	7.18 N	38.43 E	2320	6677				RB	Caldera	0201-29-	Holocene						
		(fumarolic activity only)							*X*	*1957*		*X1964*		----	----	----	----	----	
Bilate River Field (Ethiopia)	7.07 N*	38.10 E	1700	6677				U	Maars	0201-291	Holocene						
Tepi (Ethiopia)	7.42 N*	35.43 E	2728	5567				B	Shield volcano	0201-292	Holocene						
Hobicha Caldera (Ethiopia)	6.78 N	37.83 E	1800	6677				B	Caldera	0201-293	Holocene?						
Chiracha (Ethiopia)	6.65 N	38.12 E	1650	5567				RB	Stratovolcano	0201-30-	Holocene?						
Tosa Sucha (Ethiopia)	5.93 N*	37.57 E	1650	6667				B	Cinder cones	0201-31-	Holocene						
Unnamed (Ethiopia)	5.65 N*	37.67 E	1200	5567				B	Cinder cones	0201-311	Holocene						
Korath Range (Ethiopia)	5.10 N*	35.88 E	912	5556				XBZ	Tuff cones	0201-32-	Holocene?						
Mega Basalt Field (Ethiopia/Kenya)	4.08 N*	37.42 E	1067	4446				B	Pyroclastic cones	0201-33-	Holocene						

AFRICA - KENYA to DEMOCRATIC REPUBLIC of the CONGO

North Island (Kenya)	4.07 N	36.05 E	520	2246				YBT	Tuff cones	0202-001	Holocene								
Central Island (Kenya)	3.50 N	36.042 E	550	2256				BYT	Tuff cones	0202-01=	Holocene								
		East side of Central Island							?	*1974*	*0722?*	*?1974*	*0727a*	----	----	--?-	----	----	1
South Island (Kenya)	2.63 N	36.60 E	800	0045				BXZY	Stratovolcano	0202-02=	Historical								
										1888				x---	----	x---	----	----	1
Marsabit (Kenya)	2.32 N	37.97 E	1707	5556				BX	Shield volcano	0202-021	Holocene?								
Barrier, The (Kenya)	2.32 N	36.57 E	1032	2346				TPBYX	Shield volcano	0202-03=	Historical								
		North (Abili Agituk) and south flanks								T-7710	x			-x--	----	x---	x---	----	
		North flank							M	1030	w			-x--	----	----	x---	----	0
		North flank							M	1050	w			-x--	----	----	x---	----	0
		North flank							M	1090	l			-x--	----	----	x---	----	0
		North flank (Teleki's Cone)								1871	c			-x--	----	x---	x---	----	2
		North flank (Teleki's Cone)								1888				-xx-	----	----	x---	----	0
		North flank (Teleki's Cone)								1895				-x--	----	x---	x---	----	2
		North flank (Teleki) and Likaiu								1897	05	<		xx--	----	x---	----	----	2?
		Andrew's or Teleki's Cones							?	*1906*				-x--	----	----	----	----	
		Andrew's or Teleki's Volcanoes								1917				-x--	----	x---	----	----	2
		South flank (Andrew's Volcano)							?	*1920*	c			-x--	----	?---	----	----	
		North flank (Teleki)								1921	1231	y		-x--	----	x---	x---	----	2
Namarunu (Kenya)	1.98 N	36.43 E	817	2346				BTR	Shield volcano	0202-04-	Tephrochronology								
		Lower eastern flanks								T-6550	*			-x--	----	?---	?---	----	
Segererua Plateau (Kenya)	1.57 N*	37.90 E	699	4456				BT	Pyroclastic cones	0202-05-	Holocene								
Emuruangogolak (Kenya)	1.50 N	36.33 E	1328	2346				TB	Shield volcano	0202-051	Radiocarbon								
		North flank								C-8050	*			-x--	----	----	x---	----	
		North flank								T-6550	*			-x--	----	x---	x---	----	
		North flank							M	1120	w			-x--	----	----	x---	----	0
		NE flank							M	1160	w			-x--	----	----	x---	----	0
		NE flank							M	1230	w			-x--	----	----	x---	----	0
		NE flank							M	1300	w			-x--	----	----	x---	----	0
		South caldera rim							C	1700	v			x---	----	----	x---	----	0
		South caldera rim							M	1910	l			x---	----	----	x---	----	0
Silali (Kenya)	1.15 N	36.23 E	1528	3356				TBx	Shield volcano	0202-052	Ar/Ar								
		Upper east flank								R-7050	*			-x--	----	x---	x-x-	----	
		Eastern part of caldera								R-6050	*			x-x-	----	x---	x---	----	
		Upper east flank								R-5050	*			-x--	----	----	x-x-	----	
Paka (Kenya)	0.92 N	36.18 E	1697	3457				TBy	Shield volcano	0202-053	Ar/Ar								
										R-7550	*			x---	----	xx-x	----	--x-	C
Korosi (Kenya)	0.77 N	36.12 E	1446	4457				TBY	Shield volcano	0202-054	Holocene								
Ol Kokwe (Kenya)	0.62 N	36.075 E	1130	3467				BT	Shield volcano	0202-055	Holocene								
Nyambeni Hills (Kenya)	0.23 N	37.87 E	750	5667				BPXYR	Shield volcano	0202-056	Holocene								
Menengai (Kenya)	0.20 S	36.07 E	2278	4667				TRB	Shield volcano	0202-06=	Tephrochronology								
										T-7350	*			x---	----	x-x-	----	----	
										C-6050	?			x---	----	xx-x	----	----	6+ -/10
Homa Mountain (Kenya)	0.38 S	34.50 E	1751	5568				FP	Complex volcano	0202-07=	Holocene								
Elmenteita Badlands (Kenya)	0.52 S*	36.27 E	2126	6667				B	Pyroclastic cones	0202-071	Holocene								
Eburru, Ol Doinyo (Kenya)	0.65 S	36.22 E	2856	3467				RPT	Complex volcano	0202-08=	Holocene								
Olkaria (Kenya)	0.904 S*	36.292 E	2434	5567				RTBx	Pumice cones	0202-09=	Radiocarbon								
		NE side (Gorge Farm)								T-6050?				x---	----	----	x---	----	9/-
										T-4050?				x---	----	----	x---	----	
		Ololbutot								C	1770	l		--x-	----	xx--	x---	----	
Longonot (Kenya)	0.914 S	36.446 E	2776	3567				TX	Stratovolcano	0202-10=	Anthropology								
										C-7200	v			----	----	x---	----	----	
										C-1330	v			----	----	x---	----	----	
		Northern flank							A	1863	e			-x--	----	----	?---	----	0 7/-
Suswa (Kenya)	1.175 S	36.35 E	2356	3467				PTx	Shield volcano	0202-11=	Holocene								
Lengai, Ol Doinyo (Tanzania)	2.764 S	35.914 E	2962	3456				FP	Stratovolcano	0202-12=	Historical								
										T-1550	*			----	----	x---	----	----	
		(BTA Tuffs)								T-0050	?			----	----	x---	----	----	
		(Namrod Ash)								T 0700	?			----	----	x---	----	----	
		(Footprint Tuff)								T 1350	?			----	----	x---	----	----	
		North Crater								1880	12			x---	----	x---	----	----	2
		North Crater								1882			1883	x---	----	x---	?---	----	2
		(fumarolic activity only)							*X*	*1894*				----	----	----	----	----	
		North Crater								1904				x---	----	----	x---	----	0
		North Crater								1907	c		1910	0804>	x---	----	----	x---	----	0

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
		— Area of Activity						Start: Year M-Dy		Stop: Year M-Dy	Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Lengai, Ol Doinyo (Tanzania) *continued*		North Crater						1914 0815x		1915	x--- ---- ---- x--- ----	0	
		North Crater						1916 1201p		1917 06	x--- ---- x--- x--- -x--	3*	
		North Crater						1921 02		....	x--- ---- x--- ---- --x-	2	
		North Crater						1926		....	x--- ---- x--- ---- ----	2	
		North Crater						1940 0724		1941 02	x--- ---- x-x- ---- -xx-	3*	
		North Crater						1954 0726e		1954 09	x--- ---- x--- ---- ----	2	
		North Crater						1955 0119		1955 0120	x--- ---- x--- ---- ----	2	
		North Crater						1958 0206<		....	x--- ---- x--- ?--- ----	1	
		North Crater						1960 03 <		1966 1128p	x--- ---- x--- x--- -x--	3*	
		North Crater						1967 0708		1967 0904	x--- ---- x--- ---- -x--	3	
								? *1969 07* ?		....	x--- ---- ?--- ---- ----		
		(1974 eruption report incorrect)						X *1974 08*		X*1974 09*	---- ---- ---- ---- ----		
		North Crater						1983 0101		1993 0924	x--- ---- x--- xx-- ----	2*	7/-
		North Crater						1994 0918		2006 07 ?	x--- ---- x--- xx-- ----	1	5/-
								2007 06		2010>	x--- ---- xx-- xx-- -x--	3*	
Chyulu Hills (Kenya)	2.68	S* 37.88 E	2188	5557		XBF	**Volcanic field**	**0202-13=**		**Anthropology**			
		Umani						C 1470x		....	---- ---- ---- x--- ----		
		Shaitani and Chaimu						A 1855e		....	x--- ---- x--- x--- ----	2	
Kilimanjaro (Tanzania)	3.07	S 37.35 E	5895	0067		PZXYF	**Stratovolcano**	**0202-15=**		**Holocene**			
Meru (Tanzania)	3.25	S 36.75 E	4565	0467		PFZTB	**Stratovolcano**	**0202-16=**		**Historical**			
		Meru caldera						C-5850?		....	x--- ---- x--A ---- --x-	P	
		Dome NW of Ash Cone						1878a		....	x--- ---- x--- x--- ----	2	
		Dome NW of Ash Cone						1886?		....	x--- ---- ---- x--- ----	0	
		Ash Cone						1910 1026		1910 1222	x--- ---- x--- ---- ----	2	
Igwisi Hills (Tanzania)	4.87	S* 31.92 E		5566		F	**Tuff cones**	**0202-161**		**Holocene**			
Unnamed (Tanzania)	8.63	S 33.57 E		4457		B	**Pyroclastic cone**	**0202-162**		**Holocene**			
SW Usangu Basin (Tanzania)	8.75	S* 33.80 E	2179	5557		P	**Lava domes**	**0202-163**		**Holocene**			
Ngozi (Tanzania)	8.97	S 33.57 E	2622	6667		TPYB	**Caldera**	**0202-164**		**Radiocarbon**			
		(Kitulo Pumice)						G-8250?		....	x--- ---- x--x ---- ----	C	
								G 1450s		....	---- ---- xx-- ---- ----		
Izumbwe-Mpoli (Tanzania)	8.93	S 33.40 E	1568	5667		F	**Pyroclastic cones**	**0202-165**		**Holocene**			
Rungwe (Tanzania)	9.13	S 33.67 E	2961	3567		TB	**Stratovolcano**	**0202-166**		**Radiocarbon**			
		(Rungwe Pumice)						G-2400?		....	x--- ---- x--- ---- ----	P	
		(Isongole Pumice)						G-0050v		....	x--- ---- x--- ---- ----		
		(Aphyric Pumice)						G 1350s		....	---- ---- x--- ---- ----		
Kieyo (Tanzania)	9.23	S 33.78 E	2175	4567		TYBX	**Stratovolcano**	**0202-17=**		**Historical**			
		Sarabwe and Fiteko						1800?		....	x--- ---- x--- x--- xx--	2	
Fort Portal (Uganda)	0.70	N* 30.25 E	1615	6667		F	**Tuff cones**	**0203-001**		**Radiocarbon**			
								C-2750u		....	x--- ---- x--- ---- ----		
								C-2120v		....	x--- ---- x--- ---- ----		
Kyatwa (Uganda)	0.45	N* 30.25 E	1430	6667		F	**Tuff cones**	**0203-002**		Holocene?			
Katwe-Kikorongo (Uganda)	0.08	S* 29.92 E	1067	6667		F	**Tuff cones**	**0203-003**		**Holocene**			
Bunyaruguru (Uganda)	0.20	S* 30.08 E	1554	6667		F	**Maars**	**0203-004**		**Holocene**			
Katunga (Uganda)	0.471	S 30.191 E	1707	4667		F	**Tuff cone**	**0203-005**		**Holocene**			
May-ya-moto (Dem Rep Congo)	0.93	S 29.33 E	950	4567		U	**Fumarole field**	**0203-01=**		**Fumarolic**			
Nyamuragira (Dem Rep Congo)	1.408	S 29.20 E	3058	4567		XZ	**Shield volcano**	**0203-02=**		**Historical**			
								G 1550v		....	x?-- ---- ---M ?--- ----		
								1865		....	---- ---- ---- ---- ----		
		North flank						1882		....	-x-- ---- ---- ---- ----		
								1894 06		....	x--- ---- x--- x--- ----	2	
								1896		....	---- ---- x--- ---- ----	1	
		NNW fissure zone						1899 02		....	-xx- ---- x--- x--- ----	1	
		East flank (Singiro)						1901		....	-x-- ---- x--- x--- ----	2	7/6
		SSE fissure zone						1902 0422?		....	-xx- ---- ---- x--- ----	0	
		SW flank (Nahimbi)						1904 04		1904 0516?	-x-- ---- x--- x--- ----	2	7/7
		East flank (Kanamaharagi)						1905 0722		1905 0925>	-x-- ---- x--- x--- ----	2	7/7
		Summit caldera						? *1906*		....	x--- ---- x--- ---- ----	*1*	
		Summit caldera						1907 04		1907 05	x--- ---- x--- ---- ----	1	
		Summit caldera						1907 1107		1907 1205	x--- ---- x--- ---- ----	3	
		Summit caldera						1908		....	x--- ---- ?--- ---- ----		
		Summit caldera						1909 05		1909 05	x--- ---- ?-?- ---- ----	1?	
		SW flank (Rumoka), and summit						1912 1203		1913 04	xx-- ---- x--- x--- xx--	3	7/7
		SSW flank (Lake Kivu)						1920		....	--x- ---x ?--- ---- ----	0	
		Caldera						1921		1938 0117c	x--- ---- x--- xx-- ----	0	8/-
		Summit, SE and SW flanks (Tshambene)						1938 0128		1940 0625e	xxx- ---- x-x- xx-- -x-x	1	8/-
		SW flank (Gituro, Muhuboli), N flank						1948 0301		1948 0715e	-xx- ---- x--- xx-- ----	2	7/7
		SW flank (Gituro)						1951 0725		1951 0728	-x-- ---- x--- ---- ----	1	-/4
		NNW fissure zone (Shabubembe-Ndakaza)						1951 1116		1952 0116	xxx- ---- x--- xx-- ----	2	7/5
		SSE fissure zone (Mihaga)						1954 0221		1954 0528	-xx- ---- x--- x--- ----	1	7/6
		Summit caldera and NNW fissure zone						1956 1117		1956 1118	x-x- ---- x--- x--- ----	1	5/4
		Summit caldera and SSE fissure zone						1957 1228		....	x-x- ---- ---- x--- ----	0	6/-
		North flank (Kitsimbanyi), NNW rift						1958 0807		1958 1121	-xx- ---- x--- x--- ----	2	7/6
		North flank (Gakararanga)						1967 0423		1967 0509	-xx- ---- x--- x--- ----	2	7/7
		WNW flank (Rugarama)						1971 0324		1971 0505d	-x-- ---- x--- x--- -x--	3	7/7
		SSW flank (Murara and Harakandi)						1976 1223		1977 0615e	-xx- ---- x--- xx-- ----	1	7/7
		North flank (Gasenyi)						1980 0130		1980 0224	-xx- ---- x--- x--- -x--	3	7/7
		SE flank (Rugarambiro)						1981 1225		1982 0114	-xx- ---- x--- x--- -x--	3	7/7
		NW flank (Kivandimwe)						1984 0223		1984 0314	-xx- ---- x--- x--- -x--	2	7/7
		South flank (near Kitazunguruwa)						1986 0716		1986 0820	-x-x ---- x--- xx-- -x--	2	7/7
		North Flank (Gafuranindi)						1987 1230		1988 0104	--x- ---- x--- x--- ----	1	6/6
		Summit, SE and East flank						1989 0424		1989 0815e	xxx- ---- x--- x--- ----	3	7/7
		NE flank 1530 m (Mikombe)						1991 0920		1993 0208	--x- ---- x--- x--- -x--	3*	-/7
		West flank (Kimera) and summit						1994 0704		1994 0825>	--x- ---- x--- x--- -x--	2?	
								1996 1201		1996 1205>	---- ---- x--- x--- ----	3	
								1998 1017		1998 1025>	---- ---- x--- x--- ----	2?	
		SE flank (Ngerageze)						2000 0127		2000 0210>	--x- ---- x--- x--- ----	2?	
		North and SSE flanks						2001 0206		2001 0405d	--x- ---- x--- x--- -x--	2?	
		Summit caldera, north & south flanks						2002 0725		2002 09 ?	x-x- ---- x--- x--- ----	2?	
		Summit and NNW flank						2004 0508		2004 0528c	x-x- ---- x--- xx-- ----	2?	
		South flank						2006 1127		2006 1205?	--x- ---- x--- x--- ----	2	
Nyiragongo (Dem Rep Congo)	1.52	S 29.25 E	3470	4577		Fb	**Stratovolcano**	**0203-03=**		**Historical**			
		Southern pit						1884		....	x--- ---- x--- ---- ----	1	
		(probably Nyiragongo)						@ 1891 <		....	x--- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	Start M-Dy	— Stop — Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Nyiragongo (Dem Rep Congo) continued									1894	....	....	....	x--- ---- ---- -x-- ----	1	
									1898	....	....	....	x--- ---- ---- ---- ----	1	
									1899	....	....	....	x--- ---- x--- ---- ----	1	
									1900	....	....	....	x--- ---- x--- ---- ----	1	
									1901	....	....	....	x--- ---- x--- ---- ----	1	
									1902	....	....	....	x--- ---- ---- ---- ----	1	
									1905	....	....	....	x--- ---- ---- -x-- ----	1	
									1906	....	....	....	x--- ---- ---- ---- ----	1	
		Southern craters						?	*1908*	*1201p*	....	....	?--- ---- ---- ---- ----		
		Southern pit							1911	08	1911	10	x--- ---- ---- ---- ----	1	
									1918	....	....	....	x--- ---- ---- -x-- ----	1	
									1920	....	1921	....	x--- ---- x--- ---- ----	1	
									1927	03	1977	0110	x--- ---- ---- xx-- ----	1	
		North, south, and west flanks							1977	0110	1977	0110	x-x- ---- x--- x--- xx--	1	7/4
									1982	0621	1982	1017m	x--- ---- --x- xx-- ----	1	7/-
									1994	0623	1996	03 ?	x--- ---- x--- xx-- ----	1	7/-
		South flank (2800-1570 m), summit crater							2002	0117	2002	0203>	x-x- ---- x--- x--- xx--	1	7/-
									2002	0517?	2010>	....	x--- ---- x--- xx-- -x--	2*	
Karisimbi (D. R. Congo/Rwanda)	1.50 S	29.45 E	4507	4578			XYT	**Stratovolcano**	**0203-04-**		**Potassium-Argon**				
									K-8050?	....	....	....	---- ---- ---- x--- ----		
Visoke (Dem Rep Congo/Rwanda)	1.47 S	29.492 E	3711	5578			Y	**Stratovolcano**	**0203-05-**		**Historical**				
									@ 1891	....	....	....	---- ---- ---- ---- ----		
		11 km north of summit (Mugogo)							1957	0801	1957	0803	-x-- ---- x--- x--- ----	1	5/5
Muhavura (Uganda/Rwanda)	1.38 S	29.67 E	4127	5678			XY	**Stratovolcano**	**0203-06-**		**Holocene**				
Bufumbira (Uganda)	1.23 S*	29.72 E	2440	6668			ZYXTF	**Cinder cones**	**0203-07-**		Holocene?				
Tshibinda (Dem Rep Congo)	2.32 S*	28.75 E	1460	6667			BF	**Cinder cones**	**0203-08-**		**Holocene**				
AFRICA - W & N															
Sao Tome (Sao Tome)	0.20 N	6.58 E	2024	4566			BXytp	**Shield volcano**	**0204-001**		Holocene?				
San Carlos (Bioko)	3.35 N	8.52 E	2260	0356			BX	**Shield volcano**	**0204-002**		**Holocene**				
San Joaquin (Bioko)	3.35 N	8.63 E	2009	3456			BX	**Shield volcano**	**0204-003**		**Holocene**				
Santa Isabel (Bioko)	3.58 N*	8.75 E	3007	5566			BX	**Shield volcano**	**0204-004**		**Historical**				
		SE flank							1898?	....	....	....	-x-- ---- ---- ---- ----		
		SE flank, near Bahu							1903	....	....	....	-x-- ---- ---- ---- ----		
		SE flank							1923	....	....	....	-x-- ---- ---- ---- ----		
Cameroon (Cameroon)	4.203 N	9.170 E	4095	3567			XBYtf	**Stratovolcano**	**0204-01=**		**Historical**				
									-0450t	....	....	....	---- ---- ?--- ?--- -?--	3	
									1650t	....	....	....	---- ---- ?--- ---- ----	3↑	
		South flank (2600 m)							1807h	....	....	....	-x-- ---- x--- x--- -?--	3	
									1825j	....	....	....	---- ---- ?--- ---- ----	2	
		Near Fako							1838	1231y	....	....	---- ---- x--- x--- ----	2	
		West flank							1852	....	....	....	-x-- ---- x--- x--- ----	2	
									1865	....	....	....	x--- ---- x--- ---- ----	2	
									1866	01 ?	....	....	---- ---- ?--- ---- ----	2	
		SW flank (2250 m) and NW flank							1868	....	....	....	-x-- ---- x--- ---- ----	2	
									1871	....	....	....	---- ---- ?--- ---- ----	2	
		NE flank (2400 m; Okoli Craters)							1909	0428	1909	06 ?	-x-- ---- x--- x--- ----	2	6/-
		Mateer (W, 3300 m), Waldau (SW, 1300 m)							1922	0203	1924	0824	-x-- ---- x--- x--- -x--	2	7/-
		Near Fako							1925	....	....	....	x--- ---- ---- ---- ----		
		Immediately south of summit							1954	0628	1954	0726	x--- ---- x-x- x--- ----	2	
		NE flank (3000-1500 m)							1959	0123	1959	0319	-x-- ---- x--- x--- -x--	2	6/-
		SW flank (2500 m)							1982	1016	1982	1112	--x- ---- x--- x--- -xx-	2	7/5
		NE flank (2860 m)							1989	0529	1989	0529	-x-- ---- --x- ---- ----	1?	
		South flank (2650 and 1500 m)							1999	0328	1999	0417	--x- ---- x--- x--- -x--	2	7/6
		Upper SW flank (4000, 3470-3220, 2750 m)							2000	0528	2000	0915e	---x ---- x--- xx-- ----	2?	6/-
Tombel Graben (Cameroon)	4.75 N*	9.67 E	500	6667			XB	**Cinder cones**	**0204-011**		**Holocene**				
Manengouba (Cameroon)	5.03 N	9.83 E	2411	4567			BXYTr	**Stratovolcano**	**0204-02-**		Holocene?				
Oku Volc Field (Cameroon)	6.25 N*	10.50 E	3011	6667			BXYRT	**Stratovolcano**	**0204-03-**		Holocene?				
		Lake Nyos							? *1550v*	....	....	....	x--- ---- xxx- ---- ----	*3*	-/7
		Lake Nyos							? *1986*	*0821*	*?1986*	*1230?*	---- ---? --?- ---- xx--		
Ngaoundere Plateau (Cameroon)	7.25 N*	13.67 E		5556			XBTPZ	**Volcanic field**	**0204-04-**		Holocene?				
Biu Plateau (Nigeria)	10.75 N*	12.00 E		5567			B	**Volcanic field**	**0204-05-**		Holocene?				
Todra Volc Field (Niger)	17.68 N*	8.50 E	1780	3336			BTP	**Cinder cones**	**0205-001**		**Holocene**				
Tin Zaouatene Volc Field (Mali)	19.83 N*	2.83 E		2234			X	**Volcanic field**	**0205-002**		**Holocene**				
In Ezzane Volc Field (Algeria/Niger)	23.00 N*	10.83 E		2224			X	**Volcanic field**	**0205-003**		Holocene?				
Tahalra Volc Field (Algeria)	22.67 N*	5.00 E	1467	0035			XFytr	**Pyroclastic cones**	**0205-004**		**Holocene**				
Atakor Volc Field (Algeria)	23.33 N*	5.83 E	2918	0006			XTPyz	**Scoria cones**	**0205-005**		**Holocene**				
Manzaz Volc Field (Algeria)	23.92 N*	5.83 E	1672	4444			XB	**Scoria cones**	**0205-006**		**Holocene**				
Haruj (Libya)	27.25 N*	17.50 E	1200	0013			B	**Volcanic field**	**0205-007**		**Holocene**				
Wau-en-Namus (Libya)	25.05 N*	17.55 E	547	2223			B	**Caldera**	**0205-008**		Holocene?				
Tôh, Tarso (Chad)	21.33 N*	16.33 E	2000	0004			B	**Volcanic field**	**0205-009**		**Holocene**				
Toussidé, Tarso (Chad)	21.03 N	16.45 E	3265	0034			TYDRb	**Stratovolcano**	**0205-01=**		**Holocene**				
Voon, Tarso (Chad)	20.92 N	17.28 E	3100	0004			TPXyr	**Stratovolcano**	**0205-02=**		**Fumarolic**				
Koussi, Emi (Chad)	19.80 N	18.53 E	3415	0124			TRBA	**Pyroclastic shield**	**0205-021**		**Holocene**				
Marra, Jebel (Sudan)	12.95 N	24.27 E	3042	3466			BTXYP	**Volcanic field**	**0205-03-**		**Radiocarbon**				
		Deriba caldera							G-2000?	....	....	....	x--- ---- x--x ---- ----	C	
Kutum Volc Field (Sudan)	14.57 N*	25.85 E		5556			B	**Scoria cones**	**0205-04-**		Holocene?				
Meidob Volc Field (Sudan)	15.32 N*	26.47 E	2000	4445			XBpty	**Scoria cones**	**0205-05-**		**Holocene**				
		NE crater of vent VF 57							N-6050*	....	....	....	x--- ---- xx-- ---- ----	P	
		Central Meidob volcanic field							N-5250z	....	....	....	x--- ---- x--- ---- ----		
		Central Meidob volcanic field							T-4150*	....	....	....	x--- ---- xx-- ---- ----	P	
		SW crater of vent VF 57							T-3050?	....	....	....	x--- ---- xx-- ---- ----	P	
		Central Meidob volcanic field							T-3000?	....	....	....	x--- ---- x--- ---- ----	P	
		Vent VF 214							N-2950z	....	....	....	x--- ---- ---- x--- ----	0	
Bayuda Volc Field (Sudan)	18.33 N*	32.75 E	670	4446			X	**Cinder cones**	**0205-06-**		**Radiocarbon**				
									C 0850t	....	....	....	---- ---- ---- x--- ----		
Umm Arafieb, Jebel (Sudan)	18.17 N*	33.83 E		5566			X	**Shield volcano**	**0205-07-**		Holocene?				

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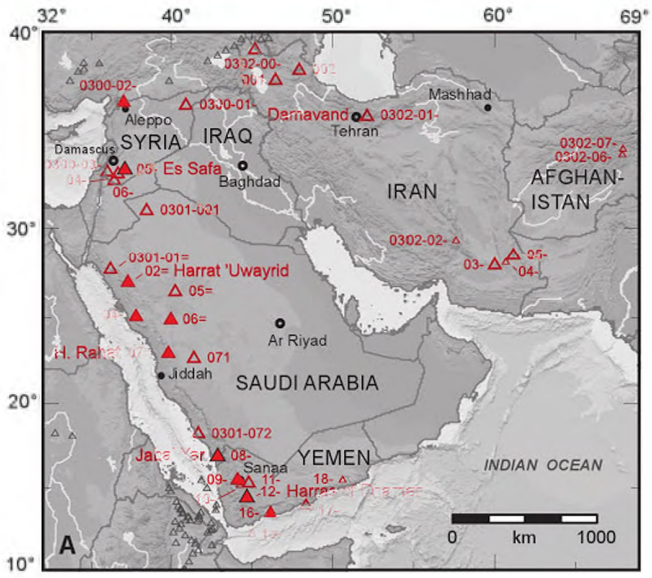
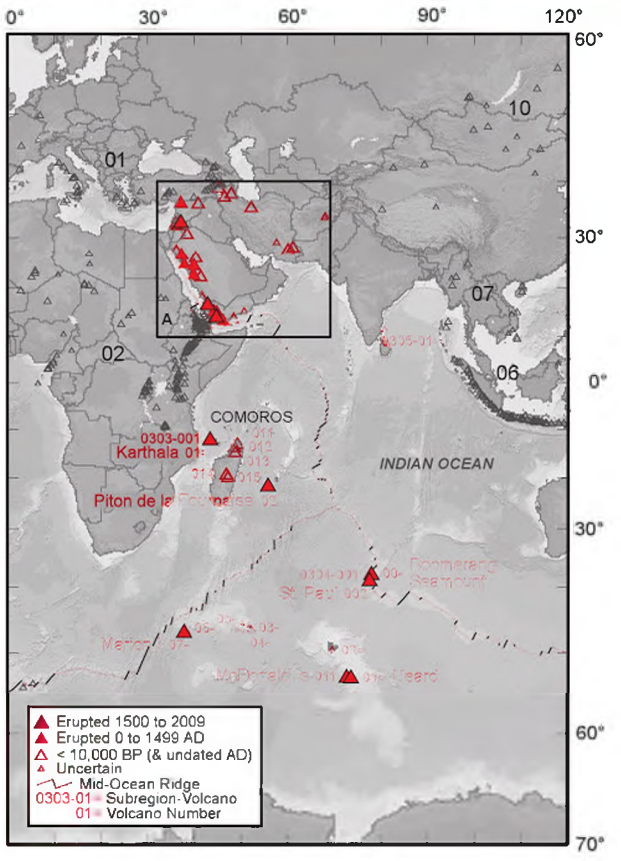
Middle East & Indian Ocean (03)





This region is a mixture of continental, rift-influenced volcanoes of the Middle East and island oceanic intraplate and island hotspot volcanoes of the Indian Ocean. We have moved Iranian volcanoes of region 01 in the *CAVW* to this region and added coverage of volcanoes in Afghanistan to create a broader "Middle East" region extending from Syria to Saudi Arabia and then from Iran to Afghanistan. The Comoros Islands and Reunion heavily dominate the eruption record (more than four-fifths of dated events) in contrast to the Middle Eastern volcanoes that dominate volcano listings (>60% of the region), population, and land area (both 99%).

The early historical record extends back to the 5th century AD. The region's earliest recorded eruption, a 9 km-long lava flow, bears the date 0500 AD (± 100) and, like the next 7, was from the Middle East, where the new religion of Islam unified Arabia in the 7th century. The first reported eruption of the region's most active volcano, Piton de la Fournaise on the island of Reunion, was not until the 17th century, and by then half of the 16 historically active volcanoes in the region had recorded their first known eruptions. All were from the Middle East, with the exception of an account written in the 10th to 12th centuries describing a summit eruption on Grand Comore Island.

In the last few centuries, though, the Indian Ocean has dominated the volcanic record of the region, and two new historically active volcanoes have been documented since the 2nd edition. An active submarine volcano named Boomerang Seamount with a 2-km-wide summit caldera 18 km NE of Amsterdam Island was first discovered during a bathymetric survey in 1996. Very short half-life radionuclide dating of fresh volcanic glass samples indicated that it had erupted only about 5 months earlier. Boomerang Seamount lies along the axis of the Southeast Indian Ridge and marks the site of the Amsterdam-St. Paul hotspot. A possible nearby active submarine center was inferred from phonolitic pumice that washed up on Heard Island in 1992, and volcanic plumes were observed from the MacDonald Islands, 75 km to the west of Heard, in December 1996. Possible pyroclastic deposits and lava were seen in 1997, and a satellite image taken in November 2001 showed the island to have more than doubled in area in the past year.

Reunion was known to the Arabs and visited by the Portuguese in the early 1500s. The first of its 172 known historical eruptions was in 1640, and France claimed the island around 1662. It has been French virtually continuously since then. Settlers moved in from 1715, and more than 700,000 people now live on the 2510 km² island. The Piton de la Fournaise volcanological observatory, one of the three French observatories along with those at Soufrière de Guadeloupe and Montagne Pelée (Martinique), was established in 1980.

The Comoros were controlled by Moslem Sultans until acquired by the French in the latter half of the last century. After the 10th-12th century eruption mentioned above, no further reports are known until the early 19th century. The Comoros became a French overseas territory in 1947 and declared independence in 1975.

Madagascar's first settlers are believed to have arrived in the 5th century, but no historical eruptions are known from their youthful volcanoes. The French settled in 1626, and the island became a colony in 1896. The independent Malagasy Republic was declared in 1960, but ended in a 1972 coup, and the island is again called Madagascar.

The Kerguelen Archipelago was first visited in 1772 and has been occupied since 1950 by a small research station staff. Uninhabited neighboring islands St. Paul and Amsterdam are also Overseas Territories of France. The glacier-covered and unoccupied island of Heard is owned by Australia, and Marion Island belongs to South Africa. A small research station is maintained on Marion.

Fully 95% of region 03's dated eruptions have been historically documented, a proportion exceeded only by Indonesia. This region, along with Africa and Antarctica, is distinguished by having few known Holocene eruptions of substantial size (VEI >4 or ≥1 km³ of lava), reflecting the relative absence of detailed stratigraphic studies of their volcanoes. Surprisingly, this region ranks second in subglacial eruptions. Although the Indian Ocean is far behind Iceland in this category, the 2745-m-high summit of Heard volcano has a large permanent ice cap, and eruptions from its summit vent have often produced partially subglacial lava flows.

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year M-Dy	— Stop — Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
SYRIA												
Sharat Kovakab (Syria)	36.53 N*	40.85 E	534	6667	B	Volcanic field	0300-01-	Holocene				
Unnamed (Syria)	36.67 N*	37.00 E		6667	BA	Volcanic field	0300-02-	Historical				
						1222	....			---- ---- ---- x--- ----	0?	
Golan Heights (Syria)	33.10 N*	35.97 E	1197	6668	XBayt	Volcanic field	0300-03-	Holocene				
Unnamed (Syria)	33.00 N*	36.63 E	1050	5567	BX	Volcanic field	0300-04-	Radiocarbon				
		Kra lava field				G-2670 x	....			---x ---- x--- x--- -x--		
Es Safa (Syria)	33.25 N*	37.07 E	979	6667	BX	Volcanic field	0300-05-	Historical				
		Jabal Druse				1850 j	....			---- ---- ---- -x-- ----	0	
Druze, Jabal ad (Syria)	32.658 N*	36.425 E	1803	7778	XBayt	Volcanic field	0300-06-	Holocene				
ARABIA												
Harrah, Al (Saudi Arabia)	31.08 N*	38.42 E	1100	6666	B	Volcanic field	0301-001	Holocene				
Rahah, Harrat ar (Saudi Arabia)	27.80 N*	36.17 E	1950	2236	B	Volcanic field	0301-01=	Anthropology				
'Uwayrid, Harrat (Saudi Arabia)	27.08 N*	37.25 E	1920	3335	BX	Volcanic field	0301-02=	Anthropology				
		Hala-'l-Bedr, Hala-'l-'Ishqua or both				A 0640?	....			---- ---- x--- x--- xx--	2?	
Lunayyir, Harrat (Saudi Arabia)	25.17 N*	37.75 E	1370	3335	BX	Volcanic field	0301-04-	Historical				
						1000<	....			---- ---- ---- x--- ----		
Ithnayn, Harrat (Saudi Arabia)	26.58 N*	40.20 E	1625	4445	BX	Volcanic field	0301-05=	Holocene				
Khaybar, Harrat (Saudi Arabia)	25.00 N*	39.92 E	2093	5557	BXYTR	Volcanic field	0301-06=	Historical				
		Harrat Lali				0650 l	....			---- ---- ?--- ?--- ----	2?	
Rahat, Harrat (Saudi Arabia)	23.08 N*	39.78 E	1744	7776	BXYt	Volcanic field	0301-07=	Historical				
		West of Madinah				0641	....			---x ---- x--- ---- ----	2	
		Fissure 20 km SE of Madinah				1256	0605	1256	0727?	---x ---- x--- x--- ----	3	8/-
		Near Madinah				? 1292	....			---- ---- ---- ?--- ----		
Kishb, Harrat (Saudi Arabia)	22.80 N*	41.38 E	1475	4445	XBPZ	Volcanic field	0301-071	Holocene				
Birk, Harrat al (Saudi Arabia)	18.37 N*	41.63 E	381	5556	BX	Volcanic field	0301-072	Holocene				
Yar, Jabal (Saudi Arabia)	17.05 N*	42.83 E	305	6667	B	Volcanic field	0301-08-	Historical				
						1810 j	....			---- ---- ?--- ?--- ----	2	
Arhab, Harra of (Yemen)	15.63 N*	44.08 E	3100	6667	XBy	Volcanic field	0301-09-	Historical				
		East flank of Jabal Zebib				A 0200>	....			-x-- ---- x--- x--- -x--	2?	
		South flank of Kaulet Hattab				0500 v	....			-x-- ---- ---- x--- -x--	0	
Marha, Jabal el- (Yemen)	15.245 N	44.236 E	2506	4677	B	Tuff cone	0301-10-	Holocene?				
Haylan, Jabal (Yemen)	15.43 N*	44.78 E	1550	6667	B	Volcanic field	0301-11-	Anthropology				
		West of Sirwan				A-1200>	....			---- ---- ---- x--- ----	0?	
Dhamar, Harras of (Yemen)	14.57 N*	44.67 E	3500	6667	BR	Volcanic field	0301-12-	Historical				
		Near the town of Dhamar				1937	....			---- ---- ?--- ---- ----	2	
Hamman Demt, Jabal (Yemen)	14.05 N	44.75 E	2000				0301-13-	Not a Volcano				
Nar, Jabal an (Yemen)	13.33 N	43.73 E					0301-14-	Not a Volcano				
Unnamed (Gulf of Aden)	12.25 N	45.00 E		0006	U	Submarine volc	0301-15-	Uncertain				
Sawād, Harra es- (Yemen)	13.58 N*	46.12 E	1737	5556	XB	Volcanic field	0301-16-	Historical				
						1253	....			---- ---- ?--- ---- ----	3	
Bal Haf, Harra of (Yemen)	14.05 N*	48.33 E	233	4446	B	Volcanic field	0301-17-	Holocene				
Bir Borhut (Yemen)	15.55 N*	50.63 E		3346	B	Volcanic field	0301-18-	Holocene?				
						? 0950?	....			---- ---- ?--- ?--- ----		
Ormus Islands (Oman-E of)	26.00 N	56.50 E					0301-19-	Not a Volcano				
		(earthquake uplift?, not eruption)				X 1945	12			---- ---- ---- ---- ----		
IRAN & AFGHANISTAN												
Unnamed (Iran)	39.25 N*	45.17 E		4567	U	Volcanic field	0302-00-	Holocene				
Sahand (Iran)	37.75 N	46.43 E	3707	3457	A	Stratovolcano	0302-001	Holocene				
Sabalan (Iran)	38.25 N	47.92 E	4811	3367	A	Stratovolcano	0302-002	Holocene				
Damavand (Iran)	35.951 N	52.109 E	5670	2458	Ybt	Stratovolcano	0302-01-	Uranium-series				
						U-5350 x	....			---- ---- ---- x--- ----	0	
Qal'eh Hasan Ali (Iran)	29.40 N*	57.57 E		4456	X	Maars	0302-02-	Holocene?				
Bazman (Iran)	28.07 N	60.00 E	3490	1246	AB	Stratovolcano	0302-03-	Fumarolic				
Unnamed (Iran)	28.17 N*	60.67 E		4456	B	Volcanic field	0302-04-	Holocene?				
Taftan (Iran)	28.60 N	61.13 E	3940	1346	A	Stratovolcano	0302-05-	Holocene				
						? 1902	01			x--- ---- ---- ---- ----		
		(perhaps sulfur flow rather than lava flow)				? 1993	0425			---- ---- ---- ?--- -x--		
Dacht-i-Navar Group (Afghanistan)	33.95 N*	67.92 E	3800	5557	YAD	Lava domes	0302-06-	Holocene?				
Vakak Group (Afghanistan)	34.25 N*	67.97 E	3190	5567	DT	Volcanic field	0302-07-	Holocene?				
INDIAN OCEAN												
Grille, La (Grand Comore I)	11.47 S	43.33 E	1087	6666	XB	Shield volcano	0303-001	Holocene				
Karthala (Grand Comore I)	11.75 S	43.38 E	2361	6666	BX	Shield volcano	0303-01=	Historical				
						1050 w	....			---- ---- ?--- ?--- ----		
						1808	....			---- ---- ---- ---- ----		
						1814	1231 y			---- ---- ---- ---- ----		
						1821	1231 y			---- ---- ---- ---- ----		
						1828	05			-x-- ---- x--- ---- ----	2?	
						1830	....			-?-- ---- x--- ---- ----	2?	
		Summit caldera ?				1833	....			?--- ---- ---- ---- ----		
		SE flank				1848	....			--x- ---- ---- x--- ----	0	
		West-SW flank (400 m)				1850?	....			--x- ---- ---- x--- ----	0	
		SE flank				1855	0701 p			-xx- ---- x--- x--- -x--	2	
		SE flank (Badjini Massif) & summit				1857	....			x-x- ---- x--- x--- ----	2	
		Upper NE flank (2200 m)				1858	....			-xx- ---- x--- x--- ----	2	
		NW flank (Diboini Plateau fissures)				1859	....			--x- ---- x--- x--- ----	2	
		SE flank (Badjini Massif, 1200 m)				1860	1229			--x- ---- ---- x--- ----	0	
		(date perhaps confused with 1860)				? 1862	....			-x-- ---- x--- x--- ----	2	
						1865	....			-?-- ---- ?--- ---- ----	2?	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Pyroclastic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Karthala (Grand Comore I) *continued*		NW flank (Diboini Plateau)							1872	....	....	....		-xx- ---- x--- x--- ----	2	
		SE flank (Badjini Massif)							1876	....	....	....		-xx- ---- ---- x--- -x--	0	
		SE flank (Badjini Massif)							1880	....	....	....		--x- ---- x--- x--- ----	2	
		SE flank							1883	03	1884	....		-xx- ---- x--- x--- xx--	2	
		North flank (1300 m)							1904	0225	1904	04		--x- ---- x--- x--- xx--	2	
		North flank (1300 m)							1910	03	1910	03		--x- ---- x--- ---- ----	1	
		NE flank, Changomeni, NE Chahalé							1918	0811	1918	0826		x-x- ---- x-x- x--- ----	3*	
									1928b	....	....	....		x--- ---- ---- ---- ----	1?	
		Cheminee Nord (Changomeni)							1948	0422	1948	0616		x?-- ---- x--- -x-- ----	2	
		Chahalé crater							1952	0210?	1952	0212		x--- ---x x--- ---- ----	2	
		Chahalé crater							1956	0601?	....	....		x--- ---- ?--- ?--- ----	2?	
		Between Changomeni & Chahalé Craters							1965	0712	1965	0712		x--- ---- x--- xx-- ----	2?	5/-
		North end of summit crater							1972	0908	1972	1005		x--- ---- x--- xx-- ----	1	6/-
		SW flank							1977	0405	1977	0410		--x- ---- x--- x--- ?x--	1	6/5
		Choungou-Chahalé (Choungou-Chamadji)							1991	0711	1991	0711		x--- ---- x-x- ---- ----	2	-/6
		Chahalé crater							2005	0416	2005	0418		x--- ---x x-x- -x-- --x-	2?	
		Chahalé crater							2005	1124	2005	1208		x--- ---- x-x- -x-- xx--	3	
		Chahalé crater							2006	0528	2006	0603?		x--- ---- ---- -x-- ----	0	
		Chahalé crater							2007	0112	2007	0115?		x--- ---- x--- -x-- ----	2	
Ambre-Bobaomby (Madagascar)	12.60 S°	49.15 E	1475	5556		BRTPF	**Volcanic field**		**0303-011**		**Holocene**					
Nosy-Be (Madagascar)	13.32 S°	48.48 E	214	5556		FBR	**Cinder cones**		**0303-012**		**Holocene**					
Ankaizina Field (Madagascar)	14.30 S°	48.67 E	2878	4456		B	**Cinder cones**		**0303-013**		**Holocene**					
Itasy Volc Field (Madagascar)	19.00 S°	46.77 E	1800	6667		TXP	**Scoria cones**		**0303-014**		**Radiocarbon**					
								C-7130v	....	....	....			x--- ---- x--- ---- ----		
								C-6050<	....	....	....			---- ---- ---- x--- ----		
Ankaratra Field (Madagascar)	19.40 S°	47.20 E	2644	6667		XFATP	**Cinder cones**		**0303-015**		**Holocene**					
Fournaise, Piton de la (Reunion I)	21.231 S	55.713 E	2632	5566		BX	**Shield volcano**		**0303-02=**		**Historical**					
								C-2800w	....	....	....			x--- ---- x--- ---- ----		
		(Bellecombe Ash Member)						G-2700?	....	....	....			x--- ---- xxxA ---- ----	5?	-/9
								C-1790v	....	....	....			x--- ---- x--- ---- ----		
		Upper NW flank (Cratère Commerson)						G 0120?	....	....	....			-x-- ---- ---- x--- ----	0	
								C 0460?	....	....	....			---- ---- ---- x--- ----	0	
		Upper NW flank (Piton Gîte)						G 0600?	....	....	....			-x-- ---- ---- x--- ----	0	
		Upper W flank (Piton Chisny)						G 0960?	....	....	....			-x-- ---- ---- x--- ----	0	
		South rift zone (Brulé du Baril)						G 1340?	....	....	....			--x- ---- ---- x--- ----	0	
		Upper NW flank (Petit Cratère)						G 1440?	....	....	....			-x-- ---- ---- x--- ----	0	
		S rift zone (Piton Taye Poule)						G 1600?	....	....	....			--x- ---- ---- x--- ----	0	
									1640	....	....	....		---- ---- x--- x--- ----	2	
									1649	....	....	....		---- ---- x--- x--- ----	2	
									1669	....	....	....		---- ---- x--- x--- ----	2	
									1671	....	....	....		---- ---- x--- x--- ----	2	
									1672	....	....	....		---- ---- x--- x--- ----	2	
									1703<	....	1705	....		---- ---- ---- x--- ----	0	
		NE rift zone							1708	04	1708	04		--x- ---- ---- x--- ----	0	7/-
									1709	....	....	....		---- ---- ?--- x--- ----	2	
									1721	06	....	....		---- ---- x--- ---- ----	2	
		L'Enclos and NE rift zone							1733?	....	....	....		--x- ---- ---- x--- -x--	0	
									1734	0101	1734	0306		---- ---- ---- x--- ----	2	
									1734	12	1734	12		---- ---- ---- x--- ----	2	
									1751	06	1751	06		---- ---- x--- x--- ----	2	
									1753	....	....	....		---- ---- --x- x--- ----	2	
									1759	....	....	....		---- ---- ---- ---- ----		
		East flank							1760	1215	1760	1229		--x- ---- x-x- ---- ----	2	
									1766	03	1766	0526e		x-x- ---- x-x- ?-x- ----	2	
		Formica Leo							1768	....	....	....		-x-- ---- x--- x--- ----	2	
									1771	....	....	....		---- ---- ?--- ---- ----		
									1772	02	....	....		x--- ---- x--- ---- ----	2	
									1772	1118	....	....		x--- ---- x--- x--- ----	2	
		SE rift zone							1774	....	....	....		--x- ---- ---- x--- -x--	0	7/-
		East side of summit cone							1775	....	....	....		--x- ---- x--- x--- ----	2	
		SE rift zone (Piton Takamaka)							1776	....	....	....		--x- ---- ---- x--- -x--	0	6/-
									1784	....	1785	....		x--- ---- x--- ---- ----	2	
									1786	0605?	1786	0804>		---- ---- ---- x--- ----	2	
		Bory							1787	0614	1787	0801		x?-- ---- x--- x--- ----	2	7/-
		East side of summit cone and Bory crater							1789	06	1789	07		xx-- ---- ---- x--- ----	2	
		Dolomieu, Mamelon Central ?							1791	0605d	1791	0727?		x-x- ---- x-x- x-x- ----	2*	7/-
									1792	1219?	....	....		---- ---- ---- x--- ----	0	
									1794	01	1794	01		---- ---- ---- x--- ----	0	
									1795	....	....	....		---- ---- ---- ?--- ----		
									1797?	....	....	....		---- ---- ---- x--- ----	0	
		SE rift zone							1800	1102	1800	1108		--x- ---- ---- x--- ----	0	7/-
		Mammelon Central							1801	1027	1802	0428g		x--- ---- x-x- xx-- ----	2	
									1802	12	....	....		x-x- ---- --x- x--- ----	2	
									1807	0323	1807	0613		xx-- ---- x--- x--- ----	2	
									1809	0717	1809	0808		x--- ---- x--- ---- ----	2	
									1810	1120	1810	1128		x--- ---- x--- ---- ----	2	
		Summit and above Piton de Crac							1812	0805d	1812	12		xxx- ---- x-x- x--- ----	2	
									1813	0926	1813	1126		x--- ---- x--- x--- ----	2	
									1814	0910	1814	1013		x--- ---- x--- x--- ----	2	
									1815	0121	1815	0127		x--- ---- x--- ---- ----	2	
		Summit and Plaine des Osmondes							1815	0815	1815	0816		xx-- ---- x--- x--- ----	2	
									1816	1215	....	....		xx-- ---- ---- x--- ----	0	
									1817	01	1817	04		x--- ---- ---- ---- ----	0	
		NW rift zone							1820	01	1820	02		--x- ---- x--- x--- ----	2	
									1821	0227	1821	0410		x--- ---- x-x- x--- ----	2	
									1824	02	....	....		---- ---- ---- x--- ----	0	
									1824	12	....	....		---- ---- ---- x--- ----	0	
		Cratere Faujas							1830	10	....	....		-x-- ---- ---- x--- ----	0	
		L'Enclos and NE rift zone							1832	03	....	....		--x- ---- ---- x--- ----	0	
									1842	04	....	....		---- ---- ---- x--- ----	0	
									1843	....	....	....		---- ---- ---- x--- ----	0	
		Summit and Piton de Crac							1844	0319	1844	0511		x-x- ---- x--- x--- ----	2	
									1844	12	....	....		---- ---- x--- x--- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Fournaise, Piton de la (Reunion I) *continued*							1845	....	....	....	---- ---- ---- x--- ----	0	
							1846	....	....	....	---- ---- ---- x--- ----	0	
							1847	....	....	....	---- ---- ---- x--- ----	0	
							1848	....	....	....	---- ---- ---- x--- ----	0	
							1849	....	....	....	---- ---- ---- x--- ----	0	
							1850	1103	1850	1112	---- ---- ---- x--- ----	0	
Brulant, l'Enclos Velain							1851	....	....	....	x--- ---- ---- -x-- ----	0	
Brulant							1852	....	....	....	x--- ---- ---- -x-- ----	0	
							1858	1103	1859	01	x--- ---- x--- x--- -x--	2	7/-
							1859	0508	1859	0523>	x--- ---- ---- x--- ----	2	
Dolomieu and l'Enclos							1860	0122	1860	0320	x-x- ---- x-x- x--- ----	2	-/5
Brulant							1861	0319	1861	0319	x--- ---- x--- ---- ----	2	
							1863	1220	1864	0129	x--- ---- ---- x--- -x--	0	
							1865	0205	1865	0210	x--- ---- x--- x--- ----	2	
							1868	03	....	....	---- ---- ---- x--- -x--	0	
							1869?	....	....	....	---- ---- ---- ?--- ----	2?	
						?	*1870*	*0201*p	....	....	---- ---- ---- ?--- ----	*0*	
							1871	0621	1871	0705	x--- ---- ---- x--- ----	0	
						?	*1872*	*0201*p	....	....	---- ---- ---- ?--- ----	*0*	
							1874	0201p	....	....	---- ---- ---- ---- ----		
							1874	0629	1874	1107>	x--- ---- x-x- x--- ----	2	
							1875	1126	1875	1211?	---- ---- ---- x--- ----	0	
							1876	1211	1876	1211?	---- ---- ---- ?--- ----		
							1878	0314	1878	0330	-x-- ---- ---- x--- ----	0	
						?	*1882*	....	....	....	---- ---- ---- ?--- ----	*0*	
							1884	0204	1884	0205	---- ---- ---- x--- ----	0	
Grandes Pentes and summit							1889	06	1889	0811>	xx-- ---- x--- x--- -x--	2	
Summit, Grandes Pentes							1890	02	1891	0204	xx-- ---- x-x- x--- -x--	2	
							1894	08	....	....	---- ---- ---- x--- -x--	2	
							1897	0105d	1897	0124	--x- ---- ---- x--- ----	0	
							1898	0114	1898	0120	---- ---- ---- x--- ----	2	
							1898	1126	....	....	x--- ---- x--- x--- ----	2	
							1899	0213	1899	0718>	xxx- ---- x--- x--- -x--	2	
East of Dolomieu							1900	0511	1900	0530	-x-- ---- ---- x--- ----	0	
East of Dolomieu							1901	0221	1901	0225	-x-- ---- ---- x--- ----	2	
NE flank (above Piton de Crac)							1901	0704	1901	0706	-x-- ---- x--- x--- ----	2	
							1902	0813	1902	0818	x-x- ---- x--- x--- ----	2	
							1903?	....	....	....	---- ---- ---- x--- ----	0	
NE flank (above Piton de Crac)							1904	0819	1904	1017	-x-- ---- x--- x--- ----	2	
							1905	0215	1905	0216	x--- ---- x-x- x--- ----	2	
							1907	1129	1907	1205d	-x-- ---- ---- x--- ----	0	
						?	*1908*	....	....	....	---- ---- ---- ?--- ----	*0*	
East of Cratère Faujas							1909	04	....	....	-x-- ---- x--- x--- ----	2	
							1910	1116	1910	1212	-x-- ---- x--- x--- ----	2	
							1913	0710	1913	0803	--x- ---- x--- x--- ----	2	
Summit, N and NE of Crater Velain							1915	0722	1915	1121	xx-- ---- x--- x--- ----	2	
NE flank (above Piton de Crac)							1917	0429	1917	0429	-x-- ---- ---- x--- ----	0	
							1920	0628	1920	1018	-x-- ---- ---- x--- ----	0	
							1921	1127	1921	1203	xx-- ---- ?--- x--- ----	2	
							1924	0519	1924	0523>	---- ---- ---- x--- ----	0	
							1924	0903	1924	0913	x--- ---- ?--- x--- ----	2	
							1925	1230	1926	0420	?-x- ---- x--- x--- ----	2	
North flank							1926	0918	1927	0615	--x- ---- ---- x--- ----	2	
							1929	1223	1929	1231	xx-- ---- x--- x--- ----	2	
							1930	0523	1930	0524	x--- ---- ---- x--- ----	0	
Summit, NE flank (Cratère Haug)							1931	0122	1931	0826e	xxx- ---- x--- x--- -x--	2	8/-
							1932	11	1932	11	---- ---- ---- ---- ----		
Dolomieu, upper and SE flanks							1933	0607	1934	0401	xx-- ---- x--- x--- ----	2	
							1935?	....	....	....	---- ---- x--- ---- ----	2	
Near 1933 crater							1936	09	....	....	--x- ---- ---- x--- ----	0	
Bory, flanks of Bory and Dolomieu							1937	0813	1937	1125	x-x- ---- x--- x--- ----	2	6/-
							1938	0725	1938	0729	-x-- ---- x--- x--- ----	1	
ESE and SW flanks, Dolomieu							1938	1207	1939	0115	xxx- ---- x--- x--- -x--	2	7/-
							1941?	....	....	....	---- ---- x--- ---- ----	1	
Bory, rim of Dolomieu							1942	1005	1942	1025	x-x- ---- x--- x--- ----	2	6/-
SE of Dolomieu, lower Grandes Pentes							1943	0330?	1943	0526e	-xx- ---- x--- x--- -x--	2	7/-
							1944	0411	1944	0501	-x-- ---- x--- x--- ----	2	
SE flank near Nez Coupe du Tremblet							1945	0415	1945	0506	xx-- ---- x--- x--- ----	2	6/-
Dolomieu crater and upper flanks							1946	0618	1946	0705	xx-- ---- x--- x--- ----	2	6/-
Dolomieu, Grand Brule							1947?	....	....	....	x-x- ---- x--- x--- ----	2	
South flank (le Chateau Fort)							1948	0214	1948	0308	-x-- ---- x--- x--- ----	2	6/-
						?	*1949*	*10*	....	....	-?-- ---- ?--- ?--- ----	2	
South flank (2080 m)							1950	0225	1950	0402	-xx- ---- x--- x--- ----	2	6/-
SE of Bory							1950	0830	1950	0905	-x-- ---- x--- ?--- ----	2	
North part of Grand Brule						?	*1951*	*06*	....	....	-x-- ---- ---- x--- ----	*0*	
							1951	0910	1951	0920	-x-- ---- x--- ---- ----	1	
NE flank near north rim (1500 m)							1952	0519	1952	0720	-x-- ---- x--- x--- ----	2	6/-
South, NW & N flanks, Dolomieu, Bory							1953	0313	1953	0708	-xx- ---- x--- x--- ----	2	7/-
							1954	01	1954	12	-x-- ---- ---- ---- ----		
Dolomieu, Bory, S, SE & ESE flanks							1955	0706	1957	0316	xxx- ---- x--- x-x- -x--	2*	7/-
Bory, N of Bory, NE of Dolomieu							1957	0902	1957	1116	xxx- ---- x--- x--- ----	2	6/-
Dolomieu							1958	0530	1958	0920	xx-- ---- x--- x--- ----	2	
Bory							1959	0311	1959	0806	x--- ---- x--- x--- ----	2	6/-
Bory, south flank (2030 m)							1960	0111	1960	0310	xxx- ---- x--- x--- ----	2	6/-
NE flank (east of Cratère Picard)							1961	0405	1961	0425	-x-- ---- ---- x--- -x--	0	7/-
Dolomieu, upper east flank (2410 m)							1963	1107	1963	1121	x-x- ---- x--- ---- ----	2	-/7
Dolomieu, upper east and NE flanks							1964	0430	1964	0508	x-x- ---- x--- x--- ----	2	
East flank (1930 m)							1964	1221	1965	0215	-xx- ---- x--- x--- ----	2?	7/-
SE flank (Cratere Maillard, 2400 m)							1966	0315	1966	0515	--x- ---- x--- x--- ----	2?	7/-
South, ENE, north and SE of Dolomieu							1972	0609?	1973	0116?	-xx- ---- x--- xx-- ----	2	7/5
Dolomieu (SSW wall)							1973	0510	1973	0905?	x--- ---- x--- x--- ----	2	6/-
Dolomieu and SE flank (1320-2350 m)							1975	1104	1976	0406	-xx- ---- x--- x--- -x--	1	7/5
North of Dolomieu (2250-2330 m)							1976	1102	1976	1104?	--x- ---- x--- x--- ----	1	5/4
NE and SE of Dolomieu, NE rift zone							1977	0324	1977	0416	--x- ---- x--- x--- -x--	0	7/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Mud / Damage / Mudflow / Tsunami	VEI	Vol LJT
Fournaise, Piton de la (Reunion I) *cont*		ENE flank (2050-2200 m, 1850-1920 m)									1977	1024	1977	1117	-xx- ---- x--- x--- ----	1	7/-
		SE, SW and N flanks, Dolomieu & Bory									1979	0528	1979	0714	x-x- ---- x--- x--- ----	1	5/-
		Bory, SW, N & NE of Dolomieu									1981	0203	1981	0505	x-x- ---- x-x- xx-- ----	2	7/-
		SSW flank of Dolomieu (2110-2300 m)									1983	1204	1984	0218	--x- ---- x--- x--- ----	2	7/-
		Dolomieu and flanks, SE rift zone									1985	0614	1988	1229	xxx- ---- x-x- xx-- -x--	1	8/-
		Dolomieu and SE flank									1990	0118	1990	0508	x-x- ---- ---- x--- ----	0	6/-
		Dolomieu and upper east flank									1991	0719	1991	0720	--x- ---- ---- x--- ----	0	6/-
		Dolomieu and upper SE flank									1992	0827	1992	0923	x-x- ---- ---- x--- ----	1	6/-
		N and WSW of Dolomieu, outer N flank									1998	0309	1998	0920?	--x- ---- x--- x--- -x--	1	7/-
		Dolomieu, E (2500-2100) &S flanks (1900 m)									1999	0719	1999	1023	x-x- ---- x--- x--- ----	1	6/-
		North flank of Dolomieu (2490-2250 m)									2000	0214	2000	0304	--x- ---- x--- x--- ----	1	6/-
		SE flank (2100-1800 m), E flank (2260-2000 m)									2000	0623	2000	1113	--x- ---- x--- xx-- ----	1	7/-
		South flank (below Dolomieu at ~2500 m)									2001	0327	2001	0404	--x- ---- ---- x--- ----	1	6/-
		ESE flank (2500 m), East flank (1800-2000 m)									2001	0611	2001	0707	--x- ---- ---- x--- -x--	1	6/-
		NE part of l'Enclos Fouque caldera									2002	0105	2002	0116	--x- ---- x--- x--- -x--	1	7/-
		East flank of Dolomieu (1850-1540 m)									2002	1116	2002	1203	--x- ---- x--- x--- -x--	2	6/-
		Dolomieu, Bory, N, NW, and SSW flanks									2003	0530	2004	0110	x-x- ---- x--- x--- ----	1	7/-
		SSW of Bory, Dolomieu and east flank									2004	0502	2004	1016	x-x- ---- ---- x--- -x--	0	7/-
		North side of caldera (1600, 1200, & 450 m)									2005	0217	2005	0226	--x- ---- ---- x--- -x--	0	7/-
		Dolomieu, N and NE flanks									2005	1004	2006	0118	--x- ---- ---- x--- ----	0	7/-
		Dolomieu, S, E, and SE flanks									2006	0720	2007	0501	--x- ---- x--M x--- -x--	1?	8/-
		Dolomieu crater									2008	0921	2009	0204	x-x- ---- x--- xx-- ----	1	6/-
		Dolomieu crater and east flank									2009	1105	2010	0101>	x-x- ---- x--- x--- ----	1?	
Boomerang Seamount (Indian O.)	37.721 S	77.825 E	-650	0000		B	Submarine volc				0304-00-		Historical				
									U	1995	1201p				x--- x--- ---- ---- ----	0	
Amsterdam Island (Indian O.-S)	37.83 S	77.52 E	881	0000		B	Stratovolcano				0304-001		Holocene				
St. Paul (Indian O.-S)	38.72 S	77.53 E	268	0000		B	Stratovolcano				0304-002		Historical				
		SW flank (near Cape West)									1793				-x-- ---- x--- ---- ----	2	
Heard (Indian O.-S)	53.106 S	73.513 E	2745	0000		XBYTZ	Stratovolcano				0304-01=		Historical				
									?	*1881*	*0602*				-x-- --x- ?--- ---- ----	*2*	
		Mawson Peak									1910	03	1910	04	x--- --x- x--- ---- ----	2	
		Mawson Peak									1950	0124	1952	0312?	x?-- --x- x--- x--- ----	2	
		Mawson Peak									1953	0820	1953	1118	x--- --x- x--- ---- ----	2	
		Mawson Peak									1954	0413?	1954	0613?	x--- --x- x--- ?--- ----	2	
		Mawson Peak									1985	0114	1987	01 ?	x?-- --x- x--- xx-- ----	2?	
		Mawson Peak							?	*1992*	*0117*	?*1992*	*0118*		x--- ---- ?--- ---- ----		
		Mawson Peak									1992	0529?			x--- --x- ---- ---- ----	0	
		Mawson Peak									1993	0102m			x--- --x- x--- x--- ----	2?	
		Mawson Peak and upper south flank									2000	0307?	2001	02	x-x- --x- x--- x--- ----	2*	
		Mawson Peak									2003	0609	2004	0614	x--- --x- ---- -x-- ----	0	
		Mawson Peak									2006	0311	2008	0303	x--- --x- ---- xx-- ----	0	
McDonald Islands (Indian O.-S)	53.03 S	72.60 E	230	0000		PZ	Complex volcano				0304-011		Historical				
		Submarine vent near McDonald Islands									1992	12			---- x--- x--- ---- ----	0	
		Northern part of McDonald Island									1996	12	1997	0210p	x--- ---- x--- ?--- ----	1?	
											2001	0503v			x--- ---- x--- x-x- ----	1?	
									?	*2004*	*1114*	?*2004*	*1114*		?--- ---- ---- ---- ----	*1?*	
											2005	0712<			x--- ---- ---- x--- ----	0	
Kerguelen Islands (Indian O.-S)	49.58 S	69.50 E	1840	0000		YTZ	Stratovolcanoes				0304-02=		Holocene?				
Est, Ile de l' (Indian O.-S)	46.43 S	52.20 E	1090	0000		BX	Stratovolcano				0304-03-		Holocene?				
Possession, Ile de la (Indian O.-S)	46.42 S	51.75 E	934	0000		BPXY	Stratovolcano				0304-04-		Holocene				
Cochons, Ile aux (Indian O.-S)	46.10 S	50.23 E	775	0000		B	Stratovolcano				0304-05-		Holocene				
Prince Edward Island (Indian O.)	46.63 S	37.95 E	672	0000		BXt	Shield volcano				0304-06-		Holocene				
Marion Island (Indian O.-S)	46.90 S	37.75 E	1230	0000		BXy	Shield volcanoes				0304-07-		Historical				
		E-W fissure from summit to W coast									1980	09 ?			-xx- --x- x--- x--- ----	1	6/-
		South side of island									2004	0624	2004	0624?	-x-- ---- x--- ---- ----	1	
Unnamed (Indian O.-E)	11.75 N	80.75 E		0005		U	Submarine volc ?				0305-01=		Uncertain				
									?	*1757*					---- ??-- ---- ---- ----	*0*	

Katia and Maurice Krafft

Dolomieu crater (center) caps the summit lava shield of Piton de la Fournaise volcano. Two large calderas formed by eastward landsliding of the summit of the volcano lie beyond Dolomieu; the more distant formed about 65,000 years ago, and the closer one, inside which the modern lava shield was constructed, originated less than 5000 years ago. Unvegetated fissure-fed lava flows mantle the flanks of the lava shield. The deeply dissected Pleistocene Piton des Neiges shield volcano forms the western horizon.

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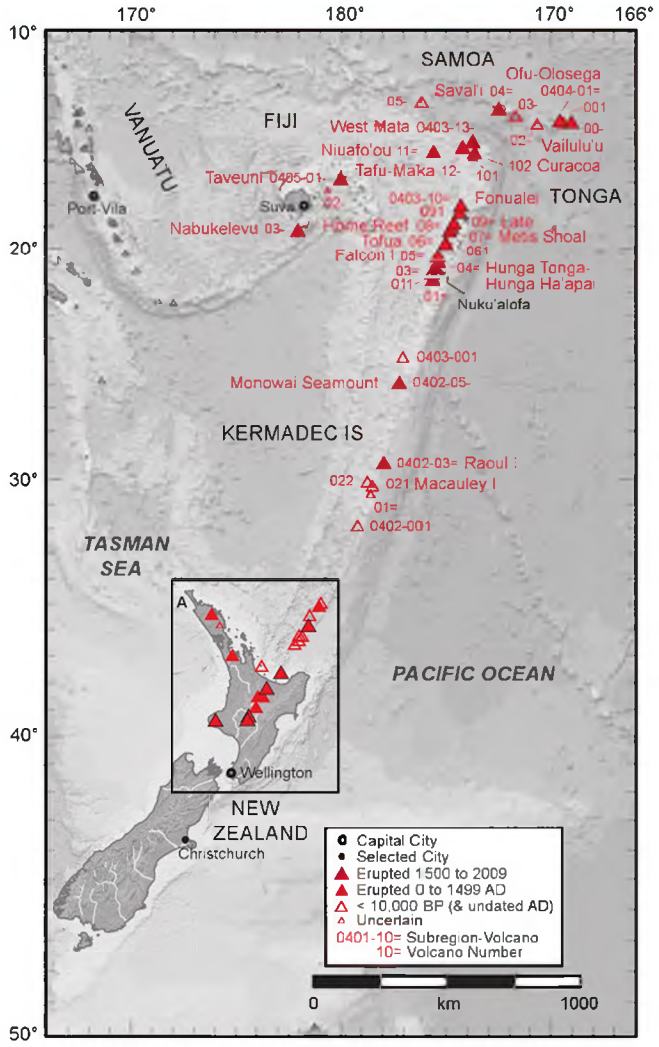
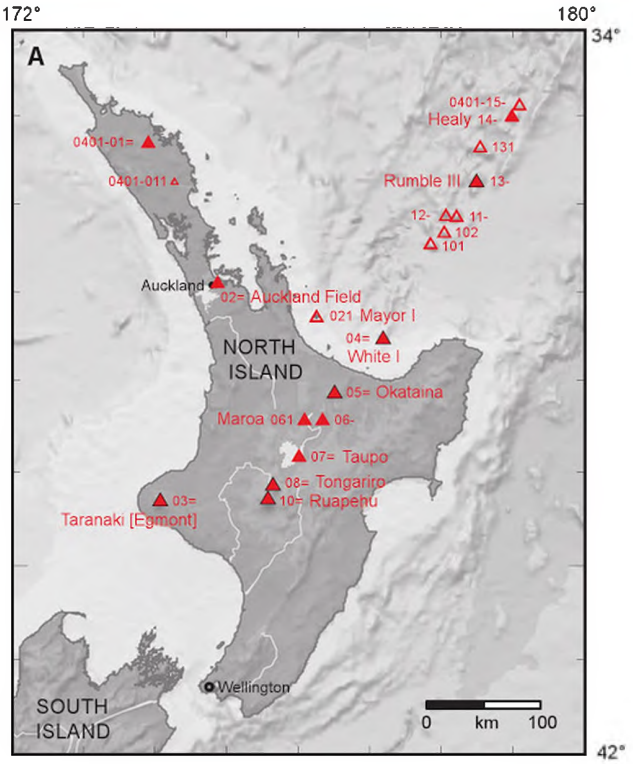
New Zealand to Fiji (04)





After the Indian Ocean, the *CAVW* regions begin a long clockwise circuit around the Pacific Rim starting with New Zealand. The Pacific's "Ring of Fire" has produced about two-thirds of the world's Holocene volcanoes and their dated eruptions, largely by subduction of the huge Pacific plate and several smaller plates. The New Zealand to Fiji region is geographically small but volcanologically important. Its total land area is only 292,000 km² (the size of Arizona) and its population of 5.4 million is roughly comparable to greater Philadelphia. New Zealand makes up 92% of the land area and three-fourths of the region's population, but its Holocene volcanoes are restricted to North Island and offshore areas north to the Kermedec Islands.

Estimates of Maori arrival in New Zealand range from 800 AD to 1350 AD, and the first European to sight the islands was probably Tasman in 1642. Written records, however, were not kept until whalers started to land in the 1790s, and detailed record-keeping began with the missionaries in the late 1810s. The earliest historically-dated eruption in New Zealand was at White Island in 1826. The first permanent settlement (Wellington) and the Maori treaty (ceding sovereignty to England) came in 1840. The Kermadec Islands, totaling 34 km² in area, were annexed to New Zealand in 1887, and a small research station is maintained there.

New Zealand contains the world's strongest concentration of youthful rhyolitic volcanoes, and voluminous ignimbrite sheets of the many calderas of the Taupo volcanic zone marking the boundary of the Australian and Pacific tectonic plates blanket much of North Island. Taupo volcano itself, a topographically subdued caldera largely filled by Lake Taupo, produced one of Earth's largest Holocene eruptions in about 180 AD, as well as Earth's most recent VEI 8 eruption that ejected more than 1100 km³ of ash and pyroclastic flows about 23,000 years ago. A strong emphasis on tephrochronology has documented the Quaternary volcanic history of this active island in unusual detail. This region has a high percentage of eruptions producing pyroclastic flows (nearly 10%, mostly on New Zealand's North Island), which underscores the potential risk for New Zealand eruptions. It is also near the top of regions with crater lake eruptions, primarily due to the frequent eruptions from Ruapehu's crater lake. In collaboration with New Zealand colleagues, we have reorganized the North Island volcanoes in an effort to achieve a closer genetic identification of each center.

The Kingdom of Tonga is an archipelago of two parallel island belts: that to the east is low, fertile, coralline, and well populated, while that to the west is young, volcanic, and ranges from steep cones to ephemeral islands. The unbroken line of subduction, from NZ through the Kermadecs and Tonga, ends abruptly and the trench swings west north of the remarkable, donut-shaped island of Niuafo'ou, a basaltic shield volcano with a large, lake-filled caldera. European contact with Tonga began in the 17th century and Captain Cook named them the Friendly Isles in 1773; the first recorded eruption was in the next year.

The Samoan islands are formed by a hotspot to the NE of the Tonga-Kermadec-NZ subduction zone, and are volcanically distinct from their neighbors. They were invaded by Fijians in the early 13th century, but may well have been settled thousands of years earlier. European contact was first made by the Dutch in 1722, but detailed record keeping began with the arrival of missionaries from London in 1830. The 1725 eruption of Savai'i, covering 190 km² with 2 km³ of lava, was the first historical volcanism in region 04. In 1900 the islands were divided, with the smaller western islands going to the US and the larger, more populated, and more volcanic western islands going to Germany. New Zealand annexed Western Samoa and administered it from 1914 to 1962, when it became independent.

The three Holocene centers of Fiji form smaller islands NE to S of the two largest islands that support 90% of the population. The

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archipelago was populated for thousands of years by Polynesians, but the Dutch began European exploration in 1643, and it became a British crown colony in 1874 before achieving independence in 1970. Although not in the *CAVW* for Region 04, Fiji was added by us in 1981 upon recognition of its Holocene volcanism.

Much of the region north of New Zealand's North Island is made up of seamounts and small islands, including 16 submarine volcanoes with sufficiently recent activity to be included in the 2nd edition of this compilation. Many more seamounts exist along the Kermadec-Tonga arc, and we have added a half dozen more submarine volcanoes in this edition. Recent bathymetric studies have begun to document the widespread distribution of submarine volcanoes and discovered many with active hydrothermal activity. In 2009 an ongoing eruption was observed at a submarine volcano at the northern end of the Tonga arc, and a new lava flow from an eruption in late 2008 was documented at a vent on a nearby Lau Basin back-arc spreading center. This high level of submarine activity is seen in the fact that this region has the largest number of eruptions dated by SOFAR technology, or underwater sound, and no other region has a higher proportion of eruptions building new islands. More than one sixth of all eruptions in Tonga and the Kermadecs have produced new islands, most recently in 2006 at Home Reef and 2009 at Hunga Tonga-Hunga Ha'apai. Many of these "jack-in-the-box" islands are composed of pyroclastic deposits that are quickly eroded below sea level by wave action.

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 30 km	POPL 100 km	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central Vent	Flank Fiss	Regional	Submarine	Subglacial	Crater lake	Explosive	Pyro Ppc	Pikaitic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Mudflow	Tsunami	VEI	Vol L/T
NEW ZEALAND																																
Kaikohe-Bay of Islands (N Zeal)	35.30	S 173.90 E	388	5556			XBar	**Volcanic field**	0401-01=			**Radiocarbon**																					
Te Puke								C	0400y					xx	x					x				x								
Whangarei (New Zealand)	35.75	S 174.27 E	397	5556			XBadr	**Cinder cones**	0401-011			Holocene?																					
Auckland Field (New Zealand)	36.90	S 174.87 E	260	7777			XBf	**Volcanic field**	0401-02=			**Radiocarbon**																					
Rangitoto								C	1350?					x						x				x							9/-	
Mayor Island (New Zealand)	37.28	S 176.25 E	355	3336			R	**Shield volcano**	0401-021			**Radiocarbon**																					
SE caldera rim								C	6050u					x						x				x								
South end of caldera, Taratimi Bay								G	5060x					xxx	x					xxxx											5	-/9
Taranaki [Egmont] (New Zealand)	39.30	S 174.07 E	2518	3356			Ab	**Stratovolcano**	0401-03=			**Historical**																					
(Kaponga-b tephra)								C	7650?											x												
(Kaponga-e Tephra)								T	7330?											x												
								C	7270t											x												
(Kaponga-f Tephra)								C	7000v					x						x												
								T	6050?					x						xx		x										
								C	5120t											x												
(Waipuku Tephra)								T	3250?											x												
								T	2850y											x												
(Tariki Tephra)								T	2700?											x												
(Mangatoki Tephra)								T	2450y											x												
								C	2400s											x												
(Korito Tephra)								T	2150?											x												
(Inglewood Tephra)								C	1700v											xx											5	-/9
								C	1560s											x												
Southern Beehive								T	1250?					x								x										
								C	1190s											x												
Fanthams Peak (Manganui Tephra)								T	1130x					x						x												
								T	0590z											x												
								C	0420r											x												
								C	0150r											x												
(Maketawa Tephra)								C	0040u					x						xx		x										
								C	0100s											x												
(Curtis Ridge episode)								T	0150?					xx						xx		x									3?	-/7
								C	0390s											x												
								C	0520w											xx												
(Kaupokonui Tephra)								T	0550?											x												
								C	0820r											x												
								C	0970r											x												
								C	1070s											x												
								C	1300t											x												
								C	1340s											x												
								C	1400t					x						xx		x										
								C	1480t											x												
(Newall Ash)								C	1500r					x						xx		x		x								
								C	1550s											x												
								C	1560s											x												
								C	1570s											x												
								C	1590s											x												
(Burrell Lapilli)								D	1655?					x						xx		x		x							4	-/8
								C	1700t											x												
(Tahurangi Ash)								D	1755?					x						x												
								T	1800?											x												
									1854					x						x		x										
White Island (New Zealand)	37.52	S 177.18 E	321	1116			AD	**Stratovolcanes**	0401-04=			**Historical**																					
									1826	1201				x						x											2	
									1836b					x						?											2	
								?	*1856h*					x						?											*2*	
								?	*1885*	*01*				x						?											*2*	
									1885	10				x						x	x										2	
West end of crater								?	*1886*	*0610*		*?1886*	*0615*	x						?											*2*	
									1886	0916		1886	12 ?	x						x											2	
								?	*1908*	*1128*		*?1908*	*1206*	x						?											*2*	
									1909	0513				x						x											2	
(landslide without eruption)								X	*1914*	*0910?*				x																xxx		
NW end of crater (Lot's Wife vent)									1922					x						x										2	
North end of crater (Schuberts Fairy?)									1924					x						x										2	
Little Donald vent									1926	0203				x						x										2	
Between Big Donald and Lot's Wife									1928	0901		1928	0903a	x						x										1	
									1930	0316				x						x										2	
Foot of crater ridge (1933 crater)									1933	0402				x						x										3	
Noisy Nellie Crater									1947	01 <				x						x										2	
									1955	01				x						x										2	
									1957	1211				x						x										2	
Noisy Nellie and 1933 craters									1958	12				x						x										1	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent	Radial fiss	Regional	Submarine	New island	Subglacial	Crater lake	Explosive	Pyro flow	Phreatic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Mudflow	Tsunami	VEI	Vol L/T
White Island (New Zealand) *continued*		Noisy Nellie Crater								1959	1214	1959	1220	x							x											2	
		Big John Crater								1962	1215			x							x											3	
		Gilliver Crater								1966	1113	1957	03	x							xxx											3	
		Rudolf vent (back wall of 1933 crater)								1968	0127	1969	02	x							x											3*	
		Rudolf vent								1969	08	1969	09	x							x											2	
		Rudolf vent								1970	0630p			x							x											2	
		Noisy Nellie Crater								1971	0409c			x							x											2	
		South of Rudolf (1971 crater)								1971	0719	1971	0720	x							x											2	
		SE of Donald Mound								1974	0908 j			x								x										2	
		Christmas, Gibrus, and 1978 craters								1976	1218	1982	0129	x							xxx											3*	-/7
		(incorrect report of eruption)							X	*1982*	*0701*																						
		North margin of 1978 crater complex								1983	1226e	1984	0212e	x							x											2	
		Congress and numerous other craters								1986	0201?	1994	0728	x							x	x										3*	
		Wade Crater								1995	0628?	1995	0629?	x							x											1	
										1998	0328	1998	0329	x							x											1	
		NW corner of 1978/90 crater complex								1998	0822	1999	08	x							x											2	
		MH vent								2000	0307	2000	0905d	x							x											3?	
		MH vent								2001	0219	2001	0219?	x							x											2	
Okataina (New Zealand)	38 12	S 176.50 E 1111 2356 Rbda							**Lava domes**	0401-05=		**Historical**																						
		West Rerewhakaaitu fissures							T	-8050?						x					x												
		Rotoma caldera. Tuahu, Kawerau							G	-7560o						x					xxx		x	x								5	9/9
		Haroharo (Te Horoa & other domes)							G	-6060t						x					xx		x	x								5	10/9
		Mt. Edgecumbe							T	-5550?						x							x	x								0	
		Haroharo (Makatiti and other domes)							G	-3580t						x					xx		x	x								5	9/9
		Haroharo (Rotokawau to Rotoatua)							G	-1750?						x					x											4+	8/8
		Mt. Edgecumbe							G	-1330u											xx												
		Mt. Edgecumbe							T	-0300?						x							x	x								0	9/-
		Te Kopia thermal area							T	0180?						x					x												
		Tarawera (Kaharoa eruption)							G	1310k		G1315?				x					xxx		x	x								5	9/9
		Tarawera (Wahanga-Waimangu fissure)								1886	0610	1886	08			x					xxx											5	-/9
		Waimangu (Echo Crater)								1896												?											1?	
		Waimangu Geyser								1900	01	1904	1101								x											1	
		Waimangu (Echo Crater)								1905	0218	1905	0223								x											1	
		Waimangu (Echo Crater)								1905	0617	1905	0617								x											1	
		Waimangu (NW of Fairy Crater)								1906	0221	1906	0221								x											1	
		Waimangu (Echo Crater)								1908	1001	1908	1001								x											1	
		Waimangu (Echo Crater)								1910	0724	1910	0725								x											1	
		Waimangu (Echo Crater)								1912	04										x											1	
		Waimangu (Echo Crater)								1913	0127	1913	0127								x											1	
		Waimangu (NW of Fairy Crater)								1914	0128	1914	02								x											1	
		Waimangu (Echo Crater & NW of Fairy Crater)								1915	0204	1915	0413								x											1	
		Waimangu (Echo Crater)								1915	1105	1915	1109								x											1	
		Waimangu (Echo Crater)								1917	0324	1917	0404								?x											1	
		Waimangu (Echo Crater)								1918		1920					x				x											1	
		Waimangu (Echo Crater)								1924							x				x											1	
		Rotomahana								1926	1117	1926	1118				x				x											1	
		Rotomahana								1951	06						x				x											1	
		Waimangu (Echo Crater)								1973	0222	1973	0222			x		x			x											1	-/3
		Waimangu (Raupo Pond, Inferno Crater)								1978	0223	1978	0223			x		x			x											1	
		Waimangu (Raupo Pond crater)								1981	05	1981	05			x		x			x											1	
Reporoa (New Zealand)	38 42	S 176 33 E 592 4456 RAd							**Caldera**	0401-06-		**Tephrochronology**																						
		Waiotapu thermal area							T	1180?						x					x												
Maroa (New Zealand)	38 42	S 176 08 E 1156 3356 Rba							**Calderas**	0401-061		**Tephrochronology**																						
		Orakeikorako							T	-7050?						x					x												
		Orakeikorako							T	0180?						x					x												
Taupo (New Zealand)	38 82	S 176 00 E 760 5556 Rdb							**Caldera**	0401-07=		**Radiocarbon**																						
		East-central L. Taupo (Karapiti, Unit B)							G	-9460x						x			x		xx		?									5	-/9
		4 km W Te Kohaiakahu Pt. (Poronui, Unit C)							G	-9240u						x			x		x		?									5	-/9
		Acacia Bay lava dome (Unit D)							T	-9210?						x			x		x			x								4	7/8
		Central, E-central L. Taupo (Opepe, Unit E)							G	-8130x						x					xx											5	-/9
		SE Lake Taupo (Motutaiko Island) (Unit F)							G	-5100?						x			x		x			x								3	7/7
		East-central Lake Taupo (Unit G)							G	-4700?						x			x		x		?									4	-/8
		4 km WNW of Kohaiakahu Point (Unit H)							G	-4100?						x			x		x		?									4	-/8
		(Unit I)							G	-4000?						x			x		x		?									3	-/7
		(Unit J)							G	-3420?						x			x		x		?									3	-/7
		4 km NW Te Kohaiaikahu Point (Unit K)							G	-3170x						x			x		x		?									4	-/8
		2 km W of Te Kohaiakahu Point (Unit L)							T	-3120?						x			x		x		?									3	-/7
		5 km NW Te Kohaiakahu Point (Unit M)							G	-3070?						x					x		?									4	-/8
		5 km NW of Te Kohaiakahu Point (Unit N)							G	-2900?						x			x		x		?									4	-/8
		2 km S of Te Tuhi Point (Unit O)							G	-2850?						x			x		x		?									3	-/7
		(Unit P)							T	-2800?						x			x		x		?									3	-/7
		3 km NW of Te Kohaiakahu Point (Unit Q)							G	-2600?						x			x		x		?									4	-/8
		3 km SW of Motutaiko Island (Unit R)							G	-2500?						x			x		x		?									3	-/7
		Horomatangi Reefs? (Unit S)							G	-1460s						x					xx											6	-/10
		4 km W of Te Kohaiakahu Point (Unit T)							G	-1250?						x			x		x		?									3	-/7
		5 km NE of Motutaiko Island (Unit U)							G	-1050?						x			x		x		?									4	-/8
		4 km NW Te Kohaiakahu Point (Unit V)							G	-1010x						x			x		x		?									4+	-/8
		Ouaha Hills (Unit W)							T	-0800?						x					x			x								2	7/6
		4 km NW of Te Kohaiakahu Point (Unit X)							G	-0200?						x			x		x		?									4+	-/8
		Horomatangi Reefs area (Unit Y)							G	0230n	0315n					x		x			xx	x										6?	-/10
		East Lake Taupo (Horomatangi Reefs)							T	0260?						x			x					x									0	8/-
Tongariro (New Zealand)	39 13	S 175.642 E 1978 2345 Ab							**Stratovolcanoes**	0401-08=		**Historical**																						
										-9850?						x					x												
		Saddle Cone to Half Cone							T	-9650?						x					x											5	-/9
		Saddle cone area to Half Cone							G	-9450?						x					xx											5	-/9
		Tama Lakes to Te Mari							T	-9350?						x					xx		x									5	8/9
		Ngauruhoe and Red Crater							C	-0550x						xx					x											5	-/9
		Upper Te Mari Craters							T	1500t																								
		Ngauruhoe								1839	02	1839	03	x							x											1?	
		Ngauruhoe								1841				x							x											2	
		Ngauruhoe								1844	10	1845	01	x							x											2	
		SSE flank (Red Crater)								1855					x						x											2	
		Ngauruhoe								1857	02	1857	03	x							x											2	
		SSE flank (Red Crater)								1859	0421				x							x										1?	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Intracaldera / Satellite / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Tongariro (New Zealand) *continued*		Ngauruhoe								1862	01			x--- ---- x--- ---- ----	2	
		Ngauruhoe								1863	....	1864	04	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1864	12	1865	01	x--- ---- x--- ---- ----	2	
		NE flank (Upper Te Mari Crater)								1869	....	....	....	-x-- ---- x--- ---- ----	2	
		Ngauruhoe								1869	08	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe (NW sub-crater)								1870	04	1870	08	x--- ---- x--- x--- ----	2	5/-
		Ngauruhoe							?	*1875*	*1001t*	....	....	x--- ---- ?--- ---- ----	*2*	
		Ngauruhoe (NW sub-crater)								1878	0901u	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1881	0706	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe (south sub-crater)								1883	0425e	....	....	x--- ---- x--- ---- ----	2	
		SSE flank (Red Crater)								1885a	....	1887	....	-x-- ---- --x- ---- ----	1	
		NE flank (upper Te Mari Crater)								1886	06	....	....	-x-- ---- x--- ---- ----	2	
		SSE flank (Red Crater)							?	*1890*	*03*	....	....	-x-- ---- --?- ---- ----	*1*	
		Ngauruhoe								1892	02	1892	03	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1892	11	1892	12	x--- ---- x--- ---- ----	2	
		NE flank (upper Te Mari Crater)								1892	1130	....	....	-x-- ---- xx-- ---- -x--	2	
		NE flank (upper Te Mari Crater)								1896	11	1896	1226e	-x-- ---- x--- ---- ----	2	
		Ngauruhoe								1897	....	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1898	01	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1904	1122	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1905	....	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1906	03	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe (south sub-crater)								1907	02	1907	05	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1907	11	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1909	03	1909	07	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1910	01	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1910	10	1911	01	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1913	01	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1913	05	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1914	09	1914	10	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1917	10	1917	11	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1924	0109	1924	0130	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1924	0522	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1924	10	1924	11	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1925	11	1925	12	x--- ---- x--- ---- ----	2	
		Ngauruhoe and Red Crater								1926	0416	1926	06	xx-- ---- x--- ---- ----	2	
		Ngauruhoe								1926	1221	1926	1230?	x--- ---- x--- ---- ----	2	
		North flank (Ketetahi)							?	*1927*	....	....	....	-x-- ---- --?- ---- ----	*1?*	
		Ngauruhoe								1928	0303	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1928	07	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1931	02	1931	05	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1934	06	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1934	12	1935	02	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1937	01	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1939	08	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1940	09	1940	10	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1948	0430	1948	05	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1948	09	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe (south sub-crater)								1949	0209	1949	0303	x--- ---- xx-- x-x- ----	2	5/-
		Ngauruhoe								1950	0616	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1951	05	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe (south sub-crater)								1952	1129	1953	07	x--- ---- x--- ---- ----	2	
		Ngauruhoe (south sub-crater)								1953	1228<	....	....	x--- ---- ---- x--- ----	0	
		Ngauruhoe (south sub-crater)								1954	0513	1955	0625	x--- ---- xx-- x--- ----	3	6/-
		Ngauruhoe (south sub-crater)								1956	0111	1956	0211	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1958	1105	1958	1118?	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1959	0601	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1962	0524	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1968	0818	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1969	0121	....	....	x--- ---- x--- ---- ----	2	
		Ngauruhoe								1972	0319	1972	0606	x--- ---- x-x- ---- ----	2	
		Ngauruhoe								1972	1122	1974	0819	x--- ---- xx-- ---- ----	3*	
		Ngauruhoe								1975	0212	1975	0223	x--- ---- xx-- ---- --x-	3	-/6
		Ngauruhoe								1976	0823	1976	0828	x--- ---- x--- ---- ----	1	
		Ngauruhoe								1977	0704	1977	0704	x--- ---- x--- ---- ----	1	
Ruapehu (New Zealand)	39.28	S 175.57 E	2797	2346	Adb			Stratovolcano		0401-10=		Historical				
		(UT1 tephra)								G-9850?	....	....	....	x--- ---- x--- ---- ----		
		(UT2 tephra)								T-9650?	....	....	....	x--- ---- x--- ---- ----		
		Upper north flank (Pinnacle Ridge)								C-7840<	....	....	....	-x-- ---- x--- ---- ----	4	-/8
		North flank (Whakapapanui Gorge area)								C-7590v	....	....	....	-x-- ---- ?--A --x- ----		
		NE flank (Whakapapa)								T-5550*	....	....	....	-x-- ---- x--- x--- ----		
		(Tf5 tephra layer)								C 1210w	....	....	....	x--- ---x x--- ---- ----	3	-/7
										1861	0213	1861	0516>	x--- ---- x-?- --x- -xx-	2	
										1889	0501	....	....	x--- ---x --x- ---- --x-	2	
										1895	0310	1895	0314>	x--- ---x x-x- ---- --x-	2	
										1903	....	....	....	x--- ---x x-x- ---- --x-	2	
										1906	0315	....	....	x--- ---x x-x- ---- ----	2	
										1918	0629	....	....	x--- ---x --x- ---- ----	2	
										1921	10	....	....	x--- ---x --x- ---- ----	2	
										1925	0122	....	....	x--- ---x --x- ---- -xx-	2	
										1934	0811	....	....	x--- ---x --x- ---- ----	2	
										1934	12	1935	02	x--- ---x --x- ---- ----	2	
										1936	0509?	1936	0513	x--- ---x x-x- ---- ----	2	
										1940	04	....	....	x--- ---x --x- ---- ----	2	
										1942	0810	....	....	x--- ---x --x- ---- ----	2	
										1944	10	....	....	x--- ---x --x- ---- ----	2	
										1945	0308	1945	12	x--- ---x x-x- --x- ----	3*	7/-
										1946	04	1946	06	x--- ---x x-x- ---- ----	2	
										1946	1121	1947	0531	x--- ---x x-x- ---- ----	1	
										1948	0501	....	....	x--- ---x --x- ---- ----	1	
										1950	0626	1950	0626	x--- ---x --x- ---- ----	1	
										1951	0319	....	....	x--- ---x --x- ---- ----	1	
										1952	07	....	....	x--- ---x --x- ---- ----	1	
										1956	1118	1956	1118	x--- ---x --x- ---- ----	1	
										1959	0521	1959	0831	x--- ---x ?-x- ---- ----	1	

Katia and Maurice Krafft

Blue Lake Crater, Red Crater, and conical Ngauruhoe. Ruapehu volcano in background.

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	Explosive	Pyro Rpr	Phreatic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Tsunami	VEI	Vol L/T
Ruapehu (New Zealand) *continued*												1966	0404	1966	0927	x		x	x	x							1	
												1967	0722	1967	1004?	x		x	?x								1	
												1968	0406	1968	0610	x		x	x								2*	
												1969	0622	1969	0623	x		x	xxx								2	
												1970	0916	1970	0917	x		x	x								1	
												1971	0403	1971	1101	x		x	x	x							2*	-/6
												1972	1022	1973	0110	x		x	x								1	
												1973	1031	1974	1025	x		x	x								1	
												1975	0424	1975	0427	x		x	xxx								2	
												1975	1017<	1975	1017<	x		x	x								1	
												1976	0306	1976	0306	x		x	x								1	
												1976	0912<	1976	1122?	x		x	x	x							1	
												1977	0716	1979	0117	x		x	xx							x	2*	-/5
												1979	0630	1979	0715	x		x	x								1	
												1980	0115?	1980	0327?	x		x	x	x							1	
												1980	1018	1980	1103	x		x	x	x							1	
												1981	1025?	1982	0412c	x		x	x	x							1	
												1984	0402	....	....	x		x	x								1	
												1984	1025?	1984	12	x		x	x								1	
												1985	0521<	1985	0609?	x		x	x								1	
												1985	1115	1985	1115	x		x	x								1	
												1986	0208	1986	0209?	x		x	x								1	
												1987	0824	1987	0830	x		x	x								1	
												1988	0320	1988	0525c	x		x	x								1	
												1988	1208	1989	0305?	x		x	x	x							1	
												1989	0701	1989	0920?	x		x	x								1	
												1990	0107	1990	0126	x		x	x								1	
												1990	0617	?*1990*	*0908<*	x		x	x								0	
												1991	0705?	1991	0714?	x		x	x	x							1	
												1992	0208	1992	0306	x		x	x								1	
										?		*1994*	*0212*	*?1994*	*0401*	x		x	?-								*1*	
												1995	0111?	1995	1109	x		x	xxx								3*	-/7
										?		*1996*	*0321<*	....	....	x		x		?							*0*	
												1996	0616	1996	0901	x		x	x	x							3*	-/6
												1997	1009	1997	1018	x		x	x								1	
												2006	1004	2006	1004	x		x	x								1	
												2007	0925	2007	0925	x		x	x	x							1?	
Clark (New Zealand)	36 446 S	177 839 E	-860	0000		BD			**Submarine volc**			**0401-101**		**Fumarolic**														
Tangaroa (New Zealand)	36 321 S	178 028 E	600	0000		BA			**Submarine volc**			**0401-102**		**Fumarolic**														
Rumble V (New Zealand)	36 142 S	178 196 E	400	0000		A			**Submarine volc**			**0401-11-**		**Fumarolic**														
Rumble IV (New Zealand)	36 13 S	178 05 E	500	0000		A			**Submarine volc**			**0401-12-**		**Fumarolic**														
	(Rumble III activity, not Rumble IV)									X	*1966*	*04*		X*1966*	*12 >*	----	----	----	----	----								
Rumble III (New Zealand)	35 745 S	178 478 E	-220	0000		AB			**Submarine volc**			**0401-13-**		**Historical**														
										S	1958	0709		S1962	....	----	x---	----	----	----							0	
										S	1963	01		S1966	12 >	----	x---	----	----	----							0	
										S	1970	....		....	....	----	x---	----	----	----							0	
										S	1973	1015		S1973	1017	----	x---	----	----	----							0	
										S	1986	0615		S1986	0805?	----	x---	----	----	----							0	
											2008a	....		....	....	----	x---	----	----	----							0	
Rumble II West (New Zealand)	35 353 S	178 527 E	1200	0000		ABd			**Submarine volc**			**0401-131**		**Fumarolic**														
Healy (New Zealand)	35 004 S	178 973 E	980	0000		Drb			**Submarine volc**			**0401-14-**		**Radiocarbon**														
	Healy caldera									G	1360u	....		....	....	x---	x---	x--x	----	----								
Brothers (New Zealand)	34 875 S	179 075 E	-1350	0000		Db			**Submarine volc**			**0401-15-**		**Fumarolic**														

Tom Simkin (Smithsonian)

Steaming Crater Lake at summit of Ruapehu in 1986

KERMADECS

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	Explosive	Pyro Rpr	Phreatic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Tsunami	VEI	Vol L/T
Volcano W (Kermadec Is)	31 85 S	179 18 W	-900	0000		B			**Submarine volcs**			**0402-001**		**Fumarolic**														
Curtis Island (Kermadec Is)	30 542 S	178 561 W	137	0000		ADR			**Submarine volc**			**0402-01=**		Uncertain														
	(steaming not caused by an eruption)									X	*1899*	....		....	....	----	----	----	----	----								
										?	*1936*	*0618*		*?1936*	*12*	----	?---	----	----	----								
	5-6 km NNE of Curtis Island									?	*2009*	*0118*		*?2009*	*0119*	----	?---	----	----	----							*0*	
Brimstone Island (Kermadec Is)	30.23 S	178.92 W	-2000									0402-02=		Not a Volcano														
Macauley Island (Kermadec Is)	30 20 S	178 47 W	238	0000		BRda			**Caldera**			**0402-021**		**Radiocarbon**														
	(Sandy Bay Tuff)									C	-4360x	....		....	....	-x--	x---	xx-x	----	----							6?	-/10
	"Brimstone Island," W of Macauley Island									?	*1825*	*0906*		....	....	----	?---	----	----	----							*0*	
	22 km NNE of Macauley Island									?	*1887*	*1201*		....	....	----	?---	----	----	----							*0*	
Giggenbach (Kermadec Is)	30 036 S	178 712 W	-65	0000		BDA			**Submarine volc**			**0402-022**		**Fumarolic**														
Raoul Island (Kermadec Is)	29 27 S	177 92 W	516	0000		ADB			**Stratovolcano**			**0402-03=**		**Historical**														
	SE Raoul caldera (Matatirohia tephra)									C	-2000v	....		....	....	x---	----	xx-x	----	----							4	-/8
	SW part of Raoul caldera (Oneraki tephra)									C	-1200w	....		....	....	x---	----	xx--	----	----							4	-/8
	Denham caldera (Fleetwood tephra)									C	-0250u	....		....	....	x---	x---	xx-x	----	----							6	-/10
	Denham caldera? (Bell tephra)									T	-0050?	....		....	....	----	?---	x---	----	----							3?	-/7
	N flank Moumoukai volcano (Judith tephra)									T	0100?	....		....	....	-x--	----	xx--	----	----							4	-/8
	S part Raoul Caldera (Raynor tephra)									T	0400?	....		....	....	x---	----	x---	----	----							4	-/8
	Green Lake Pumice Crater									C	0550?	....		....	....	x---	----	x--x	----	----							4	-/8
	Pukekohu Crater									T	0700?	....		....	....	x---	----	--x-	----	----							3	-/7
	Expedition Crater									T	0850?	....		....	....	x---	----	--x-	----	----							4	-/8
	NE of Raoul Island (Meyer Islands)									T	1450?	....		....	....	-x--	----	x---	----	----								
	Rangitahua Crater									C	1630t	....		....	....	x---	----	x-x-	----	----							4	-/8
	Denham Bay?, Tui Lake Crater									C	1720t	....		....	....	x---	x---	x---	----	----							4	-/8
	Denham caldera and Smith Crater										1814	0309		....	....	x---	xx--	x-x-	----	----							3	-/7
	Denham caldera, Green Lake										1870	0620d		1870	1003	x---	xx--	x-x-	----	----							3	-/7
	(post-1870 eruption unsubstantiated)									X	*1872*	*0201r*		....	....	----	----	----	----	----								
	NNE flank (7.5 km from Raoul Island)										1886	03		....	....	-x--	x---	x---	----	----							0	
	West side of Green Lake, Denham caldera										1964	1119		1965	0425?	---x	x---	xxx-	----	----							2*	
	NNE flank (7 km from Raoul Island)									?	*1987*	*0325*		*?1987*	*0325*	-x--	?---	----	----	----							*0*	
	Green Lake crater										2006	0317		2006	0317	x---	---x	x-x-	----	x---							1?	
Monowai Seamount (Kermadec Is)	25 887 S	177 188 W	-132	0000		B			**Submarine volc**			**0402-05-**		**Historical**														
										?	*1944*	....		....	....	----	?---	----	----	----							*0*	
										S	1977	04		S1977	04	----	x---	----	----	----							0	
											1977	1017		1977	1027?	----	x---	x---	----	----							0	
										S	1978	02		S1978	07	----	x---	x---	----	----							0	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year M-Dy	— Stop — Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Monowai Seamount (Kermadec Is) *continued*												
						S	1979	02 ?	S 1979	0419?	---- x--- x--- ---- ----	
						S	1980	01	S 1980	01	---- x--- ---- ---- ----	0
						S	1982	05	S 1982	05	---- x--- ---- ---- ----	0
						S	1986	06	S 1986	06	---- x--- ---- ---- ----	0
						S	1988	0908	S 1988	0908	---- x--- ---- x--- ----	0
						S	1990	0530	S 1991	0325	---- x--- x--- ---- ----	0
						S	1995	1127	S 1995	1130	---- x--- x--- ---- ----	0
						S	1996	0920	S 1996	0922	---- x--- x--- ---- ----	0
						S	1997	0418	S 1997	0421	---- x--- x--- ---- ----	0
						S	1997	1215	S 1998	0204?	---- x--- x--- ---- ----	0
						S	1999	0606	S 1999	0611	---- x--- x--- ---- ----	0
						S	2002	0524	S 2002	0524	---- x--- x--- ---- ----	0
						S	2002	1101	S 2002	1124	---- x--- x--- ---- ----	0
						S	2003	0410	S 2004	09	---- x--- x--- ---- ----	0
						S	2005	0302	S 2006	0627	---- x--- x--- ---- ----	0
						S	2006	1212	S 2006	1231?	---- x--- x--- ---- ----	0
						S	2008	0208?	....		---- x--- ---- ---- ----	0
TONGA												
Unnamed (Tonga-SW Pacific)	24.80 S	177.02 W	-385	0000	BA	**Submarine volc**		**0403-001**	**Fumarolic**			
Unnamed (Tonga-SW Pacific)	21.38 S	175.65 W	-500	0005	U	**Submarine volc**		**0403-01=**	**Historical**			
							1907	07	....	---- x--- ---- ---- ----		0
							1932	1201p	....	---- x--- ---- ---- ----		0
Unnamed (Tonga-SW Pacific)	21.15 S	175.75 W	-65	0005	A	**Submarine volc**		**0403-011**	**Holocene**			
Unnamed (Tonga-SW Pacific)	21.07 S	175.33 W						0403-02=	Not a Volcano			
(date of depth sounding, not eruption)							*X 1943*	....	....	---- ---- ---- ---- ----		
Unnamed (Tonga-SW Pacific)	20.85 S	175.53 W	-13	0005	U	**Submarine volc**		**0403-03=**	**Historical**			
							1911	08	....	---- x--- ---- ---- ----		0
							1923	0701	....	---- x--- ---- ---- ----		0
							1999	0108<	1999 0114?	x--- xx-- x--- x--- ----		1
Hunga Tonga-Hunga Ha'apai	20.57 S	175.38 W	149	3335	A	**Submarine volc**		**0403-04=**	**Historical**			
							1912	0429	....	---- x--- x--- ---- ----		2
							1937	....	....	---- x--- x--- ---- ----		2
1 km SSE of Hunga Ha'apai							1988	0601	1988 0603>	---- x--- x--- ---- ----		0
Hunga Ha'apai							2009	0317?	2009 0322a	---- xx-- xx-- ---- ----		2
Falcon Island (Tonga-SW Pacific)	20.32 S	175.42 W	-17	3335	AD	**Submarine volc**		**0403-05=**	**Historical**			
							? 1781	....	....	---- ?--- ---- ---- ----		*0*
							? 1865	....	....	---- ?--- ---- ---- ----		*0*
							1877	....	....	---- x--- x--- ---- ----		2
							1885	1012?	1886	---x xx-- x--- ---- ----		3 -/8
							? 1894	*12*	....	---- ??-- ?--- ---- ----		*0?*
							? 1921	*11*	....	---- ??-- ?--- ---- ----		*0?*
							1927	1004	1928 09 >	x--- xx-- x--- ---- ----		2 -/7
							1933	04	....	---- ---- x--- ---- ----		2
							1936	06	....	x--- ---- x--- ---- ----		2
							? 1970	*0103*	....	---- ?--- ---- ---- ----		*0*
Tofua (Tonga-SW Pacific)	19.75 S	175.07 W	515	4444	AD	**Caldera**		**0403-06=**	**Historical**			
							1774	06	....	x--- ---- ---- ---- ----		2
							1792	....	....	x--- ---- ---- x--- ----		0
							1854	....	....	x--- ---- x--- ---- ----		2
							1885	10 <	....	x--- ---- ---- ---- ----		2
Northern part of caldera							1906	01	1906 02	xx-- ---- x--- x--- ----		2
Northern part of caldera							1906	12	....	xx-- ---- x--- x--- ----		2
Northern part of caldera							1958	1231u	1960?	x--- ---- x--- ?--- ----		2
Northern part of caldera							*? 1993*	*0429*	....	x--- ---- ---- ---- ----		*0*
							? 2004	*0319*	*?2004 0529*	x--- ---- ---- -?-- ----		*1?*
Lofia crater							2004	10	....	x--- ---- x--- ---- ----		1
Lofia crater							2006	05	2006 06	x--- ---- ---- -x-- ----		0
Lofia crater							*? 2008*	*0307*	*?2008 1121*	x--- ---- ---- -?-- ----		*1?*
Lofia crater							2009	03	2009 03	x--- ---- x--- ---- ----		1
Kao (Tonga SW Pacific)	19.67 S	175.03 W	1030	3444	A	**Stratovolcano**		**0403-061**	**Holocene**			
Metis Shoal (Tonga-SW Pacific)	19.18 S	174.87 W	43	2224	D	**Submarine volc**		**0403-07=**	**Historical**			
							1781<	....	....	---- xx-- ---- ---- ----		2?
							1851	....	....	---- x--- ?--- ---- ----		0
							? 1852	....	....	---- ?--- ---- ---- ----		*0*
							1858	....	....	---- xx-- x--- ---- ----		2
							1878	04 <	....	---- xx-- x--- ---- ----		2
							1886	....	....	---- ??-- x--- ---- ----		2
							? 1894	<	....	---- ??-- ---- ---- ----		*2*
							1967	1211<	1968 0104d	---- xx-- x-x- ---- ----		2
							1979	0510<	1979 0721>	---- xx-- x--- ---- ----		2
							1991	0624<	....	---- x--- x--- ---- ----		0
							1995	0606	1995 0623b	---- xx-- x--- --x- ----		2 6/-
Home Reef (Tonga-SW Pacific)	18.992 S	174.775 W	-10	0035	D	**Submarine volc**		**0403-08=**	**Historical**			
							1852	....	....	---- xx-- x--- ---- ----		2
							? 1857	....	....	---- ??-- ---- ---- ----		*2*
							1984	0301	1984 0305	---- xx-- x--- ---- ----		3?
							2006	0807	2006 0816?	---- xx-- x--- ---- ----		2?
Late (Tonga-SW Pacific)	18.806 S	174.65 W	540	3335	A	**Stratovolcano**		**0403-09=**	**Historical**			
NE flank?							1790	....	....	-x-- ---- x--- ?--- ----		2
NE flank							1854	....	....	-x-- ---- x--- ?--- ----		2
Unnamed (Tonga-SW Pacific)	18.325 S	174.365 W	-40	0025	D	**Submarine volc**		**0403-091**	**Historical**			
							2001	0927	2001 0928?	---- x--- x--- ---- ----		2
Fonualei (Tonga-SW Pacific)	18.02 S	174.325 W	180	2225	DA	**Stratovolcano**		**0403-10=**	**Historical**			
							? 1780	<	....	x--- ---- ?--- ---- ----		
							1791	....	....	x--- ---- x--- ---- ----		2
(major eruption in 1846, not 1847)							1846	0611?	1846 1010>	x--- ---- x--- x--- -x--		4? 7/8
							1906	03	....	x--- ---- ---- ---- ----		
Summit, west and SE sides							1939	06	....	xx-- ?--- x--- x--- ----		2
North-central part of the island							1951	0821	....	x--- ---- x--- x--- ----		2
							1957	06	....	---- ---- ---- ---- ----		
							? 1974	*0216*	....	x--- ---- --?- ---- ----		*1*

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Tafahi (Tonga-SW Pacific)	15 85 S	173 72 W	560	2244				AB	**Stratovolcano**	0403-101	Holocene?							
Curacoa (Tonga-SW Pacific)	15 62 S	173 67 W	-33	0024				D	**Submarine volc**	0403-102	**Historical**							
6.4 km SW of Curacoa Reef												1973	0711	1973	0716	----x---x----------	3	
13 km north of Tafahi												1979	0514	....	....	----x----------	1	
Niuafo'ou (Tonga-SW Pacific)	15 60 S	175 63 W	260	3333				B	**Shield volcano**	0403-11=	**Historical**							
South end of caldera ?												1814	....	....	....	x---x-x-x---x--	2	
(probably confused with 1853 erupt.)												X *1840*	....	....	....	----------?---		
SW caldera rim (Ahau village area)												1853	0624	1853	0624?	x---------x---xx--	0	
SSW flank												1867	0412	....	....	-x----x---x---x--	1	
NE side of caldera												1886	0831	1886	0918?	x---x-x-----xx-	4?	-/8
												1887	....	....	....	----x----------	2	
West side, near Alele 'Uta village												1912	1015e	....	....	-x----x---x---x--	2	
West flank												1929	0725	1929	0726	x-------x-------x--	2	
South flank												1935	1207	1936	02 ?	-x----x-x-x---x--	2	
SW flank												1943	0926	1943	1016p	-x----x-x-x---x--	2	
North flank												1946	0909	1946	0917	-x----x---x---x--	2	
												? *1947*	*01*	....	....	----------x---x---		
												? *1959*	....	....	....	----------x---x---		
NE part of caldera lake (Vai Lahi)												1985	0321	1985	0322	x---x---x---x---x---	0	-/2
Tafu-Maka (Tonga-SW Pacific)	15 37 S	174 23 W	-1400	0004				B	**Submarine volc**	0403-12-	**Historical**							
Maka												2008	11 ?	2008	11 ?	----x---------x----	0	
West Mata (Tonga-SW Pacific)	15 10 S	173 75 W	-1174	0004				A	**Submarine volc**	0403-13-	**Historical**							
Prometheus and Hades vents												2008	11 <	2009	05 >	----x---x---x---x----	0	
SAMOA & W																		
Vailulu'u (American Samoa)	14 215 S	169 058 W	-592	0004				B	**Submarine volc**	0404-00-	**Historical**							
												S 1973	0710	S1973	0710	----x---------x----	0	
												S 1995	0109	S1995	0129	x---x---x---x---x----	0	
West side of caldera (Nafanua)												2003b	04	....	....	x---x---x---x---x----	0	
Ta'u (American Samoa)	14 23 S	169 454 W	931	2444				BX	**Shield volcano**	0404-001	**Holocene**							
Ofu-Olosega (American Samoa)	14 175 S	169 618 W	639	3344				BX	**Shield volcanoes**	0404-01=	**Historical**							
Submarine vent 3 km SE of Olosega												1866	0912	1866	1115e	---x-x---x----------	2	
Tutuila (American Samoa)	14 295 S	170 70 W	653	5555				BAT	**Tuff cones**	0404-02-	**Holocene**							
Upolu (Samoa)	13 935 S	171 72 W	1100	3566				Bayt	**Shield volcano**	0404-03-	**Holocene**							
Savai'i (Samoa)	13 612 S	172 525 W	1858	0256				B	**Shield volcano**	0404-04=	**Historical**							
North flank (Maugaloa)										G-1990w	....	....	....	-x----x---x---x----				
										G-1150w	....	....	....	-x----x---x---x----				
										G-0480y	....	....	....	----x---?---x----				
										G 0170v	....	....	....	-?----x---x---x----				
										G 1040w	....	....	....	-?----x---x---x----				
										G 1240r	....	....	....	x-------x---x---x----				
										G 1310t	....	....	....	----x---x---x---x----				
Tafua Savai'i?										G 1350t	....	....	....	-x----x---x---x----				
Le'ele										G 1610x	....	....	....	-x----x---x----------				
Mauga Afi (west-central Toasivi ridge)												1760	....	....	....	x-x-----x---x---x----	2	9/-
Mata Ole Afi (1649 m)												1902	1030	1902	1117d	x-x-----x---x----------	1	
Matavanu (north flank 402 m)												1905	0804	1911	11	-xx-----x---xx----x-x	2	9/6
Wallis Islands (W of Samoa)	13 30 S	176 17 W	143	4555				BX	**Shield volcanoes**	0404-05-	**Holocene**							
FIJI																		
Taveuni (Fiji Is-SW Pacific)	16 82 S	179 97 W	1241	3456				Bxy	**Shield volcano**	0405-01-	**Radiocarbon**							
										G-8040t	....	....	....	---x----x---x---x----	2			
										G-6560u	....	....	....	---x----x---x---x----	2			
										G-5920u	....	....	....	---x----x---x---x----	2			
										G-5230v	....	....	....	---x----x---x---x----	2			
										G-4800v	....	....	....	---x----x---x---x----	2			
										G-3580x	....	....	....	---x----x---x---x----	2			
										G-3200w	....	....	....	---x----x---x---x----	2			
										T-1700?	....	....	....	---x----x---x---x----	2			
										T-1450?	....	....	....	---x----x---x---x----	2			
										T-1300?	....	....	....	---x----x---x---x----	2			
										T-1200?	....	....	....	---x----x---x---x----	2			
										T-1100?	....	....	....	---x----x---x---x----	2			
										T-1020?	....	....	....	---x----x---x---x----	2			
										T-0680?	....	....	....	---x----x---x---x----	2			
										T-0600?	....	....	....	---x----x---x---x----	2			
										G-0400p	....	....	....	---x----x---x---x----	2			
										G-0330u	....	....	....	---x----x---x---x----	2			
										T-0200?	....	....	....	---x----x---x---x----	2			
										G-0090x	....	....	....	---x----x---x---x----	2			
										G 0220v	....	....	....	---x----x---x---x----	0			
Central Taveuni (west of Lake Tagimoucea)										T 0270?	....	....	....	---x----x---x---x----	1			
										G 0320v	....	....	....	---x----x---x---x----	2			
Central Taveuni (Des Voeux Peak area)										T 0350?	....	....	....	---x----x---x---x----	2			
										G 0400t	....	....	....	---x----x---x---x----	2			
Central Taveuni (Tagimoucea area)										G 0480u	....	....	....	---x----x---x---x----	2			
South Taveuni (Tavuyaga, Ngalutu, Ngatavo)										G 0520v	....	....	....	---x----x---x---x----	2			
										G 0640s	....	....	....	---x----x---x---x----	2			
										T 0770?	....	....	....	---x----x---x---x----	2			
										T 0880?	....	....	....	---x----x---x---x----	2			
										T 1020?	....	....	....	---x----x---x---x----	2			
Southern Taveuni (Vana Kei Vuna)										G 1160w	....	....	....	---x----x---x---x----	2			
										T 1350u	....	....	....	---x----x---x---x----	2			
Central Taveuni (Tutu area)										G 1420p	....	....	....	---x----x---x---x----	0			
Near South Cape										G 1550v	....	....	....	---x----x---x---x----	0			
Koro (Fiji Is-SW Pacific)	17 32 S	179 40 E	522	3446				B	**Cinder cones**	0405-02-	Holocene?							
Nabukelevu (Fiji Is-SW Pacific)	19 12 S	177 98 E	805	3445				AD	**Lava domes**	0405-03-	**Radiocarbon**							
Summit lava dome										G-0580y	....	....	....	x---x---?---x---x----				
West side of summit dome complex										G 0340?	....	....	....	x---x---xx---x---x----				
Dome NW of summit										G 1660r	....	....	....	x---x---xx-A--x---x----				

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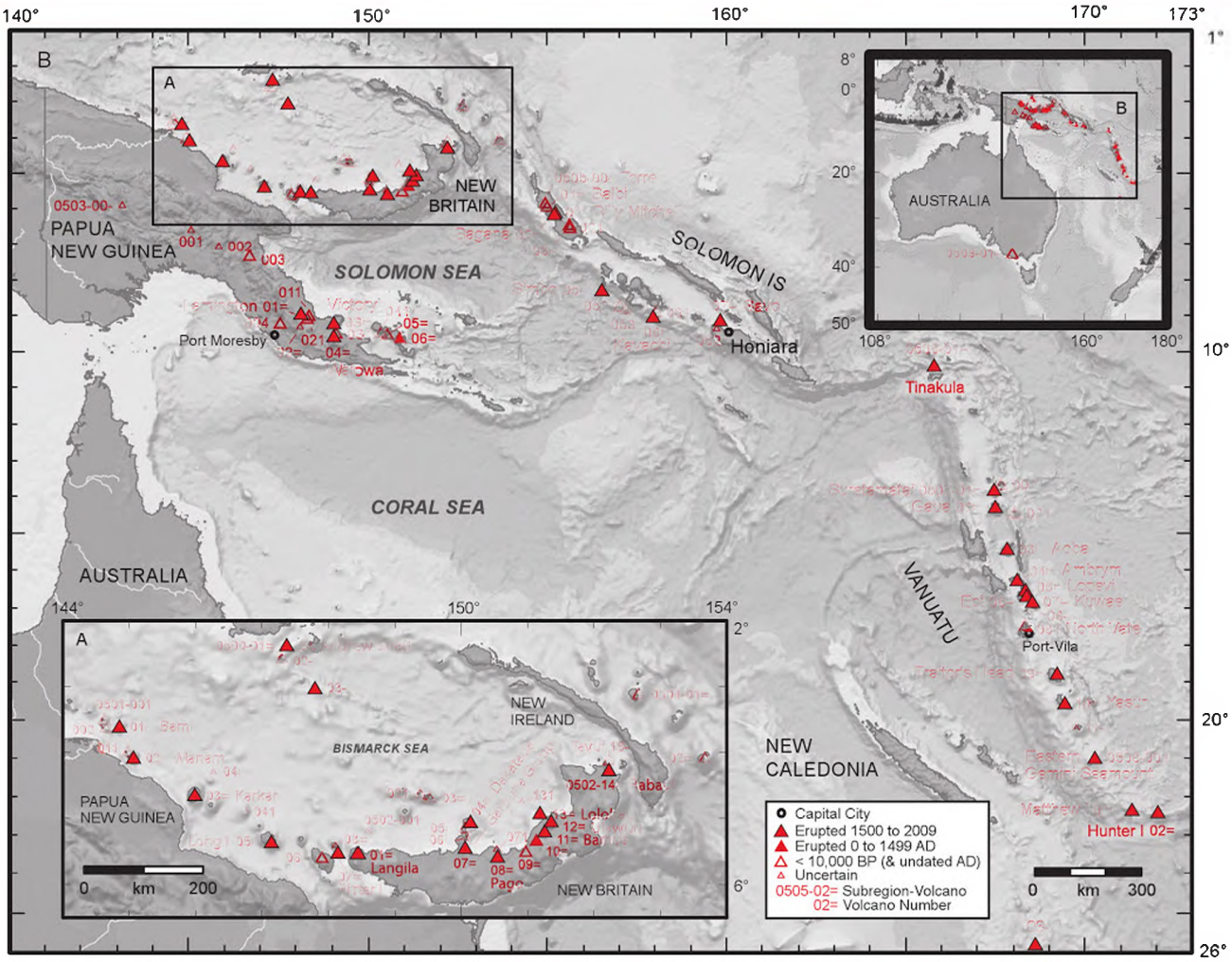
Melanesia & Australia (05)



The islands of Melanesia have been inhabited for at least 3,000 years, but the first western contact was with sailors from Spain and Portugal who landed on New Guinea around 1526 AD. The Solomon Islands were discovered by westerners in 1568, when the region's first historical eruption was recorded on Savo. The New Hebrides (now Vanuatu) were discovered by Spaniards in 1606, a year after the Dutch sighted northernmost Australia. But it was not until Cook's historic voyage of 1770 that Australia's east coast was discovered, and its substantial settling did not begin until 1788. In 1884, Germany took possession of the northern part of New Guinea, and 3 days later Britain declared the southern section a protectorate, followed by outright annexation in 1888. The region's combined land area equals that of California, but many areas are sparsely settled and its population is only slightly greater than that of the cities of Los Angeles and San Diego.

In 1906 this British territory was transferred to newly independent Australia, which also took control of the northern portion of New Guinea during World War I (WW-I). With the exception of Japanese occupation in 1942-45, this situation prevailed until self-government was declared in 1973; full independence came to Papua New Guinea (PNG) two years later. The Solomon Islands had only sporadic contact with the west until Britain established a protectorate in the 1890s; the islands gained independence in 1978. Captain Cook extensively explored the southern islands in 1774, naming them the New Hebrides. Both France and Britain formed trading posts and missions in the last century, formalizing an Anglo-French Condominium in 1906, but the islands remained isolated despite considerable attention during WW-II. The Republic of Vanuatu was declared in 1980.

South of New Britain lies an oceanic trench that parallels its arcuate coast. Nearing the Solomons, the trench swings SE'ly, then down along the Vanuatu chain before turning east again and ending below Hunter Island. This trench system marks the subduction of oceanic crust–the Solomon and Coral Seas–moving N, NE, and E under the volcanic islands formed by this process. Tectonic complications in the form of two short oceanic spreading centers affect nearby volcanoes: One extends from SE New Guinea eastward to Kavachi, and the other runs broadly east-west below the Admiralty Islands at the north end of the region.

Of all historically documented eruptions now known from Melanesia, three-fourths have been recorded in the past century. Melanesia almost matches the Atlantic Ocean as the region with the highest proportion of its eruptions being submarine, and it has nearly a quarter of the world's documented island-building eruptions, many of these from Kavachi volcano. It also matches Indonesia as the region with the highest number of tsunami-producing eruptions; a tsunami accompanying the collapse of Ritter Island volcano in 1888 swept the coasts of Papua New Guinea and New Britain, causing about 700 fatalities. The explosive character of volcanism in this caldera-rich region places Melanesia at the top of the list of documented Holocene caldera-forming eruptions.

One of these calderas formed the magnificent natural harbor of Rabaul during a major eruption and collapse in the 6th century. Rabaul was the capital of PNG from 1910 through 1941, and site of a 1937 eruption that killed 441 people. This event led to the founding, in

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the same year, of one of the world's pre-eminent volcano centers, the Rabaul Volcanological Observatory (RVO), operated by the Geological Survey of Papua New Guinea. RVO covers all the volcanoes of PNG, and its work has been particularly valuable in major eruptions such as Lamington in 1951, only a year after RVO resumed operations following WW-II. A major eruption in 1994 destroyed much of Rabaul town and prompted moving the capital city of the province of East New Britain to Kokopo, 20 km away.

Australia overwhelms the island nations of the Melanesia region in size, but we list only one Holocene volcano. This "volcano" is actually one of Earth's largest volcanic fields, called the Newer Volcanics Province, which covers a broad 15,000 km² area of SE Australia with nearly 400 small shield volcanoes and explosive vents of Tertiary-to-Holocene age.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 100	POPL 300	ROCK TYPE	VOLC TYPE	NUMBER Start Year	NUMBER Start M-Dy	STATUS Stop Year	STATUS Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
OFFSHORE NEW GUINEA & ADMIRALTY ISLANDS															
St. Andrew Strait (Admiralty Is)	2.38 S	147.35 E	270	3345			R	**Complex volcano**	**0500-01=**		**Historical**				
Lou Island (Bedal volcano)									C-0240v				x--- ---- xx-- ---- ----		
Lou Island (Bedal volcano)									C 0350?				x--- ---- x--- ---- xx--		
Tuluman									1883	0328			---- x--- x--- ---- ----	2	
Tuluman									1953	0627	1957	0128	---- xx-- x--- x-x- -x-x	2*	8/-
Baluan (Admiralty Is-SW Pacific)	2.57 S	147.28 E	254	3335			B	**Stratovolcano**	**0500-02-**		Holocene?				
									? 1931				---- ?--- ---- ---- ----	*0*	
Unnamed (Admiralty Is-SW Pacific)	3.03 S	147.78 E	-1300	0004			U	**Submarine volc**	**0500-03-**		**Hydrophonic**				
									S 1972	0108	S1972	0112	---- x--- ---- ---- ----	0	
Blup Blup (New Guinea-NE of)	3.507 S	144.605 E	402	3335			AD	**Stratovolcano**	**0501-001**		**Holocene**				
(Manam erupted in 1616, not Blup Blup)									*X 1616*				---- ---- ---- ---- ----		
(eruption report not valid)									*X 1830*				---- ---- ---- ---- ----		
Kadovar (New Guinea-NE of)	3.630 S	144.631 E	365	0046			A	**Stratovolcano**	**0501-002**		**Holocene**				
(Manam erupted in 1616, not Kadovar)									*X 1616*				---- ---- ---- ---- ----		
									? 1700	*04*			---- ---- ---- ---- ----		
Bam (New Guinea-NE of)	3.613 S	144.818 E	685	3336			A	**Stratovolcano**	**0501-01=**		**Historical**				
(eruption from Manam, not Bam)									*X 1616*				---- ---- ---- ---- ----		
(1700 activity at Kadovar, not Bam)									*X 1700*	*04*			---- ---- ---- ---- ----		
(eruption between 1868 and 1875)									*X 1868*				---- ---- ---- ---- ----		
									1872d				x--- ---- x--- ---- -x--	3	
									1874	0520			x--- ---- x--- ---- ----	2	
									1877	1113			x--- ---- x--- ---- ----	3	
									? 1883	*03*			---- ---- ---- ---- ----		
(date of Finsch observ. was May 1885)									*X 1884*				---- ---- ---- ---- ----		
									? 1885	*0520*			---- ---- ---- ---- ----		
									? 1888				---- ---- ---- ---- ----		
									? 1897		*?1898*		---- ---- ---- ---- ----		
									1907	11			x--- ---- x--- ---- ----	2	
									1908	0712			x--- ---- x--- ---- ----	2	
									1909	0419	1909	0913	x--- ---- x--- ---- ----	2	
									1913				x--- ---- ?--- ---- ----		
									? 1920b				x--- ---- ---- ---- ----		
									1924				x--- ---- x--- ---- -x--	2	
									? 1936	*07*	*?1939*	*04*	x--- ---- ---- ---- ----		
(1941 & 1942 eruptions not verified)									*X 1941*		*X1942*		---- ---- ---- ---- ----		
									1944				x--- ---- x--- ---- ----	2	
(this eruption took place in 1947)									*X 1946*	*1201p*			---- ---- ---- ---- ----		
									1947	0313s			x--- ---- x--- ---- ----	2	
									1954	0803	1957	0102	x--- ---- x--- ---- -x--	2*	
									1957	1026	1957	1026	x--- ---- x--- ---- ----	1	
									1958	0311j	1958	0419?	x--- ---- x--- ---- ----	2	
									1958	0905	1958	0910	x--- ---- x--- ---- ----	2	
									1959	0402	1959	1031	x--- ---- x--- ---- ----	2	
									1960	0428	1960	0706	x--- ---- x--- ---- ----	2	
Boisa (New Guinea-NE of)	3.994 S	144.963 E	240	3456			BA	**Stratovolcano**	**0501-011**		Holocene?				
Manam (New Guinea-NE of)	4.080 S	145.037 E	1807	4456			BA	**Stratovolcano**	**0501-02=**		**Historical**				
									1616	0706			x--- ---- x--- ---- ----	2?	
(eruption in 1643, not 1642)									1643	0421			x--- ---- x--- ---- ----	2	
South Crater									1700	0402			x--- ---- ?--- ---- ----		
									1830				x--- ---- x--- ---- ----	2	
South Crater									1877	1029	1877	1113>	x--- ---- x--- ---- ----	2	
									? 1884				---- ---- ---- ---- ----		
									1885	05			x--- ---- x--- ---- ----		
									1887	06	1895		x--- ---- x?-- x--- ----	2	
Main Crater, South Crater									1899a				x--- ---- x--- x--- x---	2?	
									? 1901		*?1902*		x--- ---- ?--- ---- ?---		
									1904	0430p			---- ---- ---- ---- ----		
									1904	1026	1904	1027	x--- ---- x?-- ?--- -x--	3?	
									? 1907				---- ---- ---- ---- ----		
									1909		1914?		x--- ---- x--- x--- ----	2	
									1917				x--- ---- x--- ---- ----	2	
South Crater, Main Crater									1919	0811			x--- ---- xx-- ?--- -x--	4	
									1920	1205?	1921	03	x--- ---- xxx- ?--- -x--	2	
									1922				x--- ---- x--- ---- ----	3?	
									? 1923				---- ---- ---- ---- ----	*2?*	
									? 1924				---- ---- ---- ---- ----	*2?*	
									1925				x--- ---- x--- ---- ----	2?	
									1926	03	1928	0301p	x--- ---- x--- ---- ----	2	
									1932		1934		x--- ---- x--- ---- ----	2	
Main Crater, South Crater									1936	09	1939		x--- ---- xx-- x--- ----	3*	
South Crater									1946	1201p	1947	09	x--- ---- x--- x--- ----	3	7/-
									1953	04	1953	08	x--- ---- x--- ---- ----	2	
									1954	05	1954	06	x--- ---- x--- ---- ----	2	
South Crater, Main Crater									1956	1208	1958	08	x--- ---- xx-- x--- -xx-	3*	7/7
South Crater									1959	06	1959	07	x--- ---- x--- ---- ----	2	
Main Crater, South Crater									1959	12	1960	12 >	x--- ---- xx-- x--- ----	2	6/-
South Crater									1961	07	1961	09	x--- ---- x--- x--- ----	2	
South Crater									1962	04			x--- ---- x--- x--- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Intracaldera / Subglacial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Manam (New Guinea-NE of) *continued*																	
		South Crater									1963	02	1963	05 >	x--- ---- x--- x--- ----		2	
		South Crater									1963	1126	1964	04	x--- ---- xx-- x--- ----		2*	6/-
		South Crater									1965	....	1966	0125>	x--- ---- xx-- x--- ----		2	6/-
		South Crater, Main Crater									1974	0304?	1999	1109?	x--- ---- xx-- x--- xx--		3*	7/7
		South Crater									2000	0603	2000	0604	x--- ---- x--- ---- ----		2	
											2001	0614	2001	0625?	x--- ---- x--- ---- ----		2	
		South Crater									2002	0113	2002	0521	x--- ---- x--- ---- ----		3?	
											2002	1031	....	....	x--- ---- x--- ---- ----		2	
		Main Crater									2003	0517	2003	0523	x--- ---- x--- ---- ----		1	
		Main Crater									2003	1026e	2004	0328	x--- ---- x--- ---- ----		1	
		South Crater, Main Crater									2004	1024	2009	12 >	x--- ---- xx-- x--- xx--		4?	
Karkar (New Guinea-NE of)	4.649 S	145.964 E	1839	1456			AB	**Stratovolcano**	**0501-03=**	**Historical**							
									C-7140w		....	....	....	....	x--- ---- xx-x ---- --x-		C	
									C-0870u		....	....	....	....	x--- ---- x?-- ---- --x-			
									C 0520v		....	....	....	....	x--- ---- xx-x ---- ----		C	
									C 0730?		....	....	....	....	x--- ---- xx-- ---- ----		P	
		South flank (Patilo Cone)							C 1070x		....	....	....	....	-x-- ---- x--- ---- ----			
											1643	0420	....	....	x--- ---- x--- ---- ----		3↑	
										?	*1830*	....	....	....	---- ---- ?--- ---- ----			
											1885	....	....	....	x--- ---- x--- ---- ----		2?	
											1895	0617	1895	08	x--- ---- x--- x--- xx--		2	7/-
		Ulumam								?	*1962?*	....	....	....	x--- ---- ?--- ---- ----		*2?*	
		Bagiai									1974	0214	1974	0808	x--- ---- x--- x--- ----		2	7/-
		Bagiai									1974	1230?	1975	0626	x--- ---- x--- x--- ----		2	6/-
		SE foot of Bagiai									1979	0112?	1979	0809	x--- ---x xxx- ---- x-x-		2*	-/7
										?	*1980*	*0107*	*?1980*	*0117*	x--- ---- ?--- ---- ----		*1*	
										?	*2009*	*0501p*	....	....	---- ---- ?--- ---- ----			
Unnamed (New Guinea-NE of)	4.311 S	146.256 E	-2000	0005			U	**Submarine volc ?**	**0501-04=**	Uncertain							
		(correct date is 1944, not 1945)								?	*1944*	....	....	....	---- ?--- ---- ---- ----		*0*	
										?	*1951*	*1124*	....	....	---- ?--- ---- ---- ----		*0*	
Yomba (New Guinea-NE of)	4.90 S	146.75 E		0005			U	**Submarine volc ?**	**0501-041**	Uncertain							
Long Island (New Guinea-NE of)	5.358 S	147.12 E	1280	3445			AB	**Complex volcano**	**0501-05=**	**Historical**							
									C-2040v		....	....	....	....	x--- ---- xx-x ---- ----		6	-/10
									C 1660p		....	....	....	....	x--- ---- xx-x ---- xxx-		6	-/10
		Lake Wisdom									1933	....	....	....	x--- ---x ---- ---- ----			
		Lake Wisdom									1938	....	....	....	x--- ---x ---- ---- ----			
		Motmot									1943	....	....	....	x--- ---x x--- ---- ----			
		Motmot									1953	0508	1954	0107	x--- ---x x-x- ---- ----		3	
		Motmot									1955	0605	1955	0613	x--- ---x x--- ---- ----		3	
		Motmot								?	*1961*	....	....	....	x--- ---- ?--- ---- ----			
		Motmot									1968	0316	1968	0612	x--- ---x x--- ---- ----		2	
		Motmot									1973	04	1974	0228	x--- ---- x-x- x--- ----		2	3/-
		Motmot									1976	0102u	....	....	x--- ---- x--- ---- ----		1	
		E-W fissure NNE of Motmot Island									1993	1103?	1993	1125e	x-x- ---x x--- ---- ----		1	
Umboi (New Guinea-NE of)	5.589 S	147.875 E	1548	3445			BAd	**Complex volcano**	**0501-06=**	**Holocene**							
Ritter Island (New Guinea-NE of)	5.52 S	148.121 E	140	1245			BA	**Stratovolcano**	**0501-07=**	**Historical**							
											1700	0324	....	....	x--- ---- x?-- ---- ----		3↑	
											1793	0629	....	....	x--- ---- x?-- ---- ----		2	
										?	*1848*	*0413*	*?1848*	*0710?*	x--- ---- ---- ---- ----			
										?	*1878*	*1231p*	....	....	x--- ---- ---- ---- ----			
										?	*1885*	*0113?*	....	....	x--- ---- ---- ---- ----			
		(probably Ritter or Langila: Cooke)								@	1887	0202	@1887	0205	---- ---- x--- ---- ----		2	
											1888	0313	1888	0313	x--- ---- x-xA ---- xx-x		2?	
		West of Ritter Island									1972	1009	1972	1009	x--- x--- x--- ---- ---x		1	
		600-900 m west of Ritter Is.									1974	1017	1974	1017	x--- x--- x--- ---- ---x		1	
										?	*2002*	*0802*	*?2002*	*0802*	---- ---- ?--- ---- ----		*2?*	
											2006	1017	2006	1017?	x--- ---- x--- ---- ----		1?	
											2007	0519	2007	0521?	x--- x--- x--- ---- -x-x		1?	
Sakar (New Guinea-NE of)	5.414 S	148.094 E	992	3345			BA	**Stratovolcano**	**0501-08=**	Holocene?							

NEW BRITAIN

Unnamed (New Britain-N of)	5.20 S	148.57 E		0005			U	**Submarine volc ?**	**0502-001**	Uncertain							
										?	*1983*	*0615*	*?1983*	*0616*	---- ?--- ---- ---- ----			
Langila (New Britain)	5.525 S	148.42 E	1330	3455			BA	**Complex volcano**	**0502-01=**	**Historical**							
		Crater 2									1878	....	....	....	x--- ---- x--- x--- ----		2	
											1884	....	....	....	---- ---- x--- ---- ----		2	
											1890	....	....	....	---- ---- ---- x--- ----		0	
		North Crater (crater 1)									1900	....	....	....	x--- ---- x--- ---- ----		2	
		NE Crater (crater 2)									1907	....	....	....	x--- ---- x--- ---- ----		2	
		Crater 2								?	*1942e*	....	....	....	x--- ---- x--- ---- ----		*1?*	
		Crater 2									1954	0518	1954	1113	x--- ---- x--- ---- ----		3	
		Crater 2									1955	0215	1955	0217	x--- ---- x--- ---- ----		2	
		Crater 2									1955	0601	1955	0616	x--- ---- x--- ---- ----		2	
		Crater 2									1956	0325	1956	0331	x--- ---- x--- ---- ----		2	
		Crater 2									1958	0421	1958	0604d	x--- ---- x--- ---- ----		2	
		Crater 3, Crater 2									1960	1219	1961	0925e	xx-- ---- x--- x--- ----		2	4/-
		Crater 2, Crater 3									1962	03	1963	0811	xx-- ---- x--- ---- ----		2	
		Crater 2, Crater 3									1964	1204d	1966	0923c	xx-- ---- x--- ---- ----		2	
		Crater 2, Crater 3									1967	0119	1968	06	xx-- ---- x--- x--- ----		2	4/-
		Crater 2 or 3									1969	0929	1969	0929	x--- ---- x--- ---- ----		2	
		Crater 2									1970	0520	1970	0922	x--- ---- x--- ---- ----		2	
		Crater 2									1971	0126e	1972	0705d	x--- ---- x--- ---- ----		2	
		Crater 3, Crater 2									1973	0224d	2000	10 >	xx-- ---- xxx- x-x- ----		3*	7/-
		Crater 2									2002	0525?	2003	0409?	x--- ---- x--- ---- ----		2	
											2004	0120?	2004	0127?	x--- ---- ?--- ---- ----		2?	
											2004	1124?	2004	1225?	x--- ---- x--- ---- ----		2?	
											2005	0419?	2006	0331?	x--- ---- x--- x--- -x--		2	
											2006	0809	2008	0706?	x--- ---- x--- ---- ----		2	
		Crater 2									2009	09 <	2009	11 ?	x--- ---- x--- ---- ----		2	
Mundua (New Britain)	4.63 S	149.35 E	179	3344			B	**Complex volcano**	**0502-021**	**Holocene**							
Garove (New Britain)	4.692 S	149.50 E	368	4445			ADBr	**Stratovolcano**	**0502-03=**	**Holocene**							

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	Area of Activity	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Centrol / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Dakataua (New Britain)	5 056 S	150 108 E		400	4446	ADB	**Caldera**	0502-04=					**Anthropology**			
								C	0800t					x--- ---- xx-x ---- ----	6?	-/10
			Makalia					A	1895e					x--- ---- x--- x--- xx--	2	
Bola (New Britain)	5 15 S	150 03 E		1155	2346	A	**Stratovolcano**	0502-05=					**Holocene**			
Garua Harbour (New Britain)	5 30 S*	150 07 E		565	5556	RA	**Volcanic field**	0502-06=					Holocene?			
Garbuna Group (New Britain)	5 45 S	150 03 E		564	2456	ADB	**Stratovolcanoes**	0502-07=					**Historical**			
			Garbuna and Welcker					C	0150?					---- ---- ---- ---- ----		
			Central part of Garbuna complex						2005	1016	2005	1117>		x--- ---- x--- ---- --x-	2	
									2008	0311	2008	0313		x--- ---- x--- ---- ----	1	
									2008	0713	2008	1004		x--- ---- x--- ---- ----	2	
Lolo (New Britain)	5 468 S	150 507 E		805	4556	AB	**Stratovolcano**	0502-071					Holocene?			
Pago (New Britain)	5 58 S	150 62 E		742	5556	DARb	**Caldera**	0502-08=					**Historical**			
			Witori					C	-7510w					---- ---- x--- ---- ----		
			Witori (WK-1 tephra)					G	-4000x					x--- ---- xx-x ---- xx--	6?	-/10
			Witori (WK-2 tephra)					G	-1370v					x--- ---- xx-x ---- -x--	6	-/10
			Witori					C	-0640y					x--- ---- xx-- ---- ----		
			Witori (WK-3 tephra)					G	0310v					x--- ---- x--? ---- -x--	5	-/9
			Witori (WK-4 tephra)					G	0690v					x--- ---- xx-? ---- -x--	5	-/9
			Witori (W-G tephra)					C	0710u					x--- ---- x--x ---- ----	6	-/10
			Witori (H1 tephra)					T	0950?					x--- ---- x--- ---- ----		
			Witori (H2 tephra)					T	1050v					x--- ---- x--- ---- ----		
			Witori (W-H3 tephra)					T	1450?					x--- ---- x--- ---- ----		
			Witori (W-H4 tephra)					T	1550?					x--- ---- x--- ---- ----	P	
			Witori (W-H5 tephra)					T	1730q					x--- ---- x--- ---- ----		
			Witori (W-H6 tephra)					T	1800?					x--- ---- x--- ---- ----	P	
			(same as 1911-1918 eruption)					*X*	*1900?*					---- ---- ---- ---- ----		
									1911		1918	05 ?		x--- ---- x--- x--- -x--	3	
									1920b					x--- ---- ---- x--- ----	0	8/-
									1933	07 ?	1933	08 ?		x--- ---- x--- ---- ----	2	
			Summit and NW flank						2002	0803	2003	0326o		x-x- ---- x--- x--- ----	3	8/-
								?	*2004*	*0224*	*?2004*	*0224*		xx-- ---- ?--- ---- ----	*1?*	
									2007	0828	2007	0828		x--- ---- x--- ---- ----	1?	
Sulu Range (New Britain)	5 50 S	150 942 E		610	3456	ABDR	**Stratovolcanoes**	0502-09=					**Fumarolic**			
Hargy (New Britain)	5 33 S	151 10 E		1148	2455	DA	**Stratovolcano**	0502-10=					**Radiocarbon**			
			Galloseulo					C	-5050?					x--- ---- x--- x--- ----		
			Galloseulo					C	0950?					x--- ---- x--- ---- ----		
Bamus (New Britain)	5 20 S	151 23 E		2248	2355	A	**Stratovolcano**	0502-11=					**Anthropology**			
								C	-0350u					---- ---- xx-- ---- ----		
								C	-0270t					---- ---- xx-- ---- ----		
								C	1650l					---- ---- xx-- ---- ----		
									1886h					x--- ---- xx-- --?- ----	3?	
Ulawun (New Britain)	5 05 S	151 33 E		2334	2455	BA	**Stratovolcano**	0502-12=					**Historical**			
									1700	0311				x--- ---- x--- ---- ----	2	
									1878					x--- ---- x--- ---- ----	2	
									1898					x--- ---- xx-- ---- ----	3	
			(no confirmed eruption in 1912)					*X*	*1912*					---- ---- ---- ---- ----		
									1915	04				x--- ---- x--- ---- -x--	3	
									1918	0721?				x--- ---- x--- ---- ----	2	
									1919	0528?				x--- ---- x--- ---- ----	2	
									1927	07	1927	0917>		x--- ---- x--- ---- ----	2	
								?	*1937*	*05*				---- ---- ?--- ---- ----		
									1941	0126	1941	0126		x--- ---- x--- ---- ----	2	
								?	*1951*					---- ---- ?--- ---- ----		
									1958	0201r				x--- ---- x--- ---- ----	2	
									1960	0729c	1962	11		x--- ---- x--- ---- ----	2	
									1963	0317	1963	0502?		x--- ---- x--- ---- ----	2	
									1967	0122	1967	1228		x--- ---- x--- ---- -x--	2	
									1970	0115	1970	0211		x-x- ---- xx-- x--- ----	3	6/6
									1973	1004	1973	1019		x--- ---- xx-- x--- ----	2	7/6
			Summit, lower east flank						1978	0507	1978	0514		x-x- ---- xx-- x--- -x--	3	6/7
									1980	1006	1980	1007		x--- ---- xx-- ---- -x--	3	-/7
									1983	1106	1984	0313		x--- ---- ---x- ---- ----	1	
									1984	0823	1984	0911		x--- ---- x-x- ---- ----	1	
									1984	1230	1985	0127		x--- ---- x--- x-x- ----	1	5/-
									1985	1117	1985	1122		x--- ---- xx-- x--- ----	3*	6/6
									1989	0101	1989	12 ?		x--- ---- x-x- ---- ----	2	
									1993	0112	1993	0131?		x--- ---- x-?- ?--- ----	2	
									1994	0419?	1994	06		x--- ---- x-x- ---- ----	1	
									1999	1020	1999	1020		x--- ---- x--- ---- ----	1	
									2000	0928	2000	1101		x--- ---- xx-- ---- -xx-	4*	
			Summit and NNE flank						2001	0116?	2001	0503		xx-- ---- xx-- x--- ----	3*	
									2001	0828	2001	0828		x--- ---- x--- ---- ----	2	
									2002	0822?	2002	1103		x--- ---- x--- ---- ----	2*	
									2003	0414?	2003	1010		x--- ---- x--- ---- ----	2*	
									2004	0412	2004	0414		x--- ---- x--- ---- ----	2	
									2005	0327?	2005	0809?		x--- ---- x--- ---- ----	2*	
									2006	0301	2007	0118		x--- ---- x--- ---- ----	2*	
									2007	0501	2007	0501		x--- ---- x--- ---- ----	2	
								?	*2007*	*1225*				x--- ---- ?--- ---- ----	*1?*	
Lolobau (New Britain)	4 92 S	151 158 E		858	4445	BDA	**Caldera**	0502-13=					**Historical**			
			Hulu					C	1100r					x--- ---- x--- ---- ----	4	-/8
			East flank (Sili, Malo). Hulu ?						1904	0809	1905	1018>		xx-- ---- x--- x--- ----	P	
								?	*1908*					---- ---- ---- ---- ----		
			East flank (Sili)						1911		?1912			-xx- ---- x--- x--- ----	4	8/8
Unnamed (New Britain-N of)	4 75 S	150 85 E		0015		U	**Submarine volc ?**	0502-131					Uncertain			
								?	*1951*					---- ?--- ---- ---- ----	*0*	
								?	*1970*	*0602*	*?1970*	*0613*		---- ?--- ---- ---- ----	*0*	
Rabaul (New Britain)	4 271 S	152 203 E		688	4566	DABr	**Pyroclastic shield**	0502-14=					**Historical**			
			(Rabaul caldera-forming eruption)					C	0540v					x--- ---- xx-x ---- ----	6	-/10
			NE caldera rim (Rabalanakia)					T	1450w					x--- ---- x--- x--- ----		
			Tavurvur ?						1767	0910				x--- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Intracaldera / Subglacial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fault / Damage / Mudflow / Tsunami	VEI	Vol L/T
Rabaul (New Britain) *continued*																	
Tavurvur											1791	0522	....	....	x--- ---- x--- ---- ----	2?	
Sulfur Creek											1850?	....	....	....	x--- ---- x-x- ---- xx--	2	
Vulcan Island and Tavurvur											1878	0130?	1878	0226b	x--- xx-- x-x- ---- xx-x	3	-/8
Vulcan and Tavurvur											1937	0529	1937	0602	xx-- xx-- xxx- ---- xxxx	4?	-/8
Tavurvur											1940	0204d	1940	0518	x--- ---x --x- ---- ----	1	
Tavurvur											1941	0606	1942	0331p	x--- ---- x--- x--- -x--	2	
Tavurvur											1943	1124	1943	1223>	x--- ---- x--- ---- ----	2	
Tavurvur and Vulcan											1994	0919	1995	0416	xx-- ---- xx-- x--- xxxx	4?	5/-
Tavurvur											1995	1128	2001	0905d	x--- ---- xx-- x--- -x--	2	6/-
Tavurvur											2002	1006?	2004	0217	x--- ---- x--- ---- ----	2*	
Tavurvur											2005	0125	2006	0217	x--- ---- x--- ---- ----	2*	
Tavurvur											2006	0811	2010>	....	x--- ---- x--- x-x- -x--	4?	
Tavui (New Britain)	4.12 S	152.20 E	200	5566			Rb	Caldera	0502-15-	Radiocarbon							
(Raluan Ignimbrite)									N-5150*		....	....	....		x--- x--- xx-x ---- ----	5	-/9
NEW GUINEA & D'ENTRECASTEAUX ISLANDS																	
Doma Peaks (New Guinea)	5.90 S	143.15 E	3568	4466			Ax	Stratovolcano	0503-00-	Holocene?							
Crater Mountain (New Guinea)	6.58 S	145.08 E	3233	3456			XBAD	Stratovolcano	0503-001	Holocene?							
Yelia (New Guinea)	7.05 S	145.858 E	3384	2456			Ad	Stratovolcano	0503-002	Holocene?							
Koranga (New Guinea)	7.33 S	146.708 E	1500	5556			DA	Maar	0503-003	Holocene							
Madilogo (New Guinea)	9.20 S	147.57 E	850	3356			X	Pyroclastic cone	0503-004	Holocene							
Lamington (New Guinea)	8.95 S	148.15 E	1680	3456			AYX	Stratovolcano	0503-01=	Historical							
(Owalama Ash)									C-5980y		....	....	....		---- ---- x--- ---- ----		
(Dea Ash)									C-4850y		....	....	....		---- ---- x--- ---- ----		
											1951	0117	1956	....	x--- ---- xx-- --xx xxx-	4*	8/-
Hydrographers Range (")	9.00 S	148.37 E	1915	3456			Abd	Stratovolcano	0503-011	Holocene							
Musa River (New Guinea)	9.308 S	148.13 E	808	3346			A	Hydrothermal field	0503-02=	Hot Springs							
Managlase Plateau (New Guinea)	9.08 S*	148.33 E	1342	4456			XYDB	Volcanic field	0503-021	Anthropology							
Victory (New Guinea)	9.20 S	149.07 E	1925	2256			Abd	Stratovolcano	0503-03=	Historical							
									? *1810j*		....	....	....		---- ---- ---- ---- ----	*2?*	
											1890?	....	1935e	....	x--- ---- xx-- --x- xx--	2	
Sessagara (New Guinea)	9.48 S*	149.13 E	370	4446			Y	Pyroclastic cones	0503-031	Holocene							
Waiowa (New Guinea)	9.57 S	149.075 E	640	2356			Y	Pyroclastic cone	0503-04=	Historical							
(eruption began in 1943, not 1942)											1943	0918	1944	0831	xx-- ---- xxx- ---- --x-	3*	
Goodenough (D'Entrecasteaux Is)	9.48 S*	150.35 E	220	4456			A	Volcanic field	0503-041	Holocene							
Iamalele (D'Entrecasteaux Is)	9.52 S	150.53 E	200	3346			ARB	Lava domes	0503-05=	Holocene							
Dawson Strait Group (")	9.62 S*	150.88 E	500	4445			RTY	Volcanic field	0503-06=	Hydration Rind							
Oiau									H 1350?		....	....	....		---- ---- ---- ---- ----		
NEW IRELAND & BOUGAINVILLE																	
Lihir (New Ireland)	3.125 S	152.642 E	700	3445			XByz	Compound volcano	0504-01=	Holocene							
Ambitle (New Ireland)	4.08 S	153.65 E	450	4445			ZXYBT	Stratovolcano	0504-02=	Radiocarbon							
East side of caldera									C-0350v		....	....	....		x--- ---- x--- ---- ----		
Tore (Bougainville)	5.83 S	154.93 E	2200	2356			A	Lava cone	0505-00-	Holocene							
Balbi (Bougainville)	5.92 S	154.98 E	2715	3356			A	Stratovolcano	0505-01=	Holocene							
Crater B ?									? *1825q*		....	....	....		x--- ---- x--- ---- x---		
Billy Mitchell (Bougainville)	6.092 S	155.225 E	1544	3346			AD	Pyroclastic shield	0505-011	Radiocarbon							
									C 1030q		....	....	....		x--- ---- x--- ---- ----	5+	-/9
									C 1580p		....	....	....		x--- ---- xx-x ---- ----	6	-/10
Bagana (Bougainville)	6.140 S	155.195 E	1750	3346			A	Lava cone	0505-02=	Historical							
											1842	0315	....	....	x--- ---- ---- x--- ----	1	
											1865c	....	1883	....	---- ---- x--- ---- ----	2	
											1883	1231p	....	....	x--- ---- x--- ---- x---	3	
											1894	....	1895	....	x--- ---- xx-- x--- ----	2	
											1897	0516?	....	....	x--- ---- x--- ---- ----	2	
											1899	....	....	....	---- ---- ---- ---- ----		
											1908	0715	....	....	x--- ---- ?--- ?--- ----	2?	
											? *1909*	*07*	....	....	---- ---- ---- ---- ----		
											1937	0907	....	....	x--- ---- x--- ---- ----	3	
											1938	0515	....	....	x--- ---- xx-- ---- ----	3	
											1939	0130?	....	....	x--- ---- x--- x--- ----	2	
											1943	0407<	....	....	x--- ---- ---- x--- ----	1	
											1945	....	1947	....	x--- ---- x--- x--- ----	2	
											1948	1201p	1951	1201p	x--- ---- xx-- x-x- ----	3*	
											1952	0229	1952	10	x--- ---- xx-- x-x- ----	4	
											1953	06	1953	09	x--- ---- xx-- ---- ----	3*	
											1956	....	....	....	x--- ---- x--- ---- ----	2	
											1959?	....	1960	05	x--- ---- x--- x--- ----	2	
											1961	0726	....	....	x--- ---- x--- ---- ----	2	
											1962	0215	1963	....	x--- ---- x--- x--- ----	2	
											1964	0424	1965	....	x--- ---- x-x- x--- ----	2	
											1966	0320	1967	1130	x--- ---- xx-- x-x- ----	3*	
											1968	08	1968	08	x--- ---- x--- ---- ----	2	
											1970	0521m	1971	08 >	x--- ---- x--- x--- ----	2	
											1972	....	1995>	....	x--- ---- xx-- x-x- ----	2*	6/-
											2000	0916	2010>	....	x--- ---- x?-- x--- ----	2	
Takuan Group (Bougainville)	6.442 S	155.608 E	2210	2455			AD	Compound volcano	0505-021	Holocene							
Loloru (Bougainville)	6.52 S	155.62 E	1887	1355			A	Pyroclastic shield	0505-03=	Radiocarbon							
									C-6950?		....	....	....		x--- ---- x--- ---- ----		
									C-4150?		....	....	....		x--- ---- xx-- ---- ----		
									C-3150?		....	....	....		x--- ---- xx-- ---- ----		
									C-2150?		....	....	....		x--- ---- xx-- ---- ----		
									C-1260y		....	....	....		x--- ---- xx-- ---- ----		
									C-1050?		....	....	....		x--- ---- x--- ---- ----		

Wally Johnson ((Australian Bur. Min. Resour.)

Billy Mitchell caldera; Bagana (upper R)

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year M-Dy — Stop Year M-Dy	ERUPTIVE CHARACTERISTICS: Central, Flank vent, Radial fiss, Regional, Submarine, New island, Subglacial, Crater lake, Explosive, Pyro flow, Phreatic, Caldera, Lava flow, Lava lake, Dome, Spine, Fatal, Damage, Mudflow, Tsunami	VEI	Vol L/T
SOLOMON ISLANDS & SANTA CRUZ											
Simbo (Solomon Is-SW Pacific)	8.292S	156.52 E	335	3335	AB	**Stratovolcanoes**	0505-05=	**Anthropology**			
Ngusuna crater?						A	1910j	....	-?-- ---- --?- ---- ----		
Cook (Solomon Is-SW Pacific)	8.415 S	157.10 E	-1300				0505-051	Not a Volcano			
(no volcano at this location)						*X*	*1964*	*0525* *X1964* *0614?*	---- ---- ---- ---- ----		
Kana Keoki (Solomon Is-SW Pacific)	8.75 S	157.03 E	-700	0035	D	**Submarine volc**	0505-052	**Holocene**			
Coleman Seamount (Solomon Is)	8.83 S	157.17 E		0045	U	**Submarine volc**	0505-053	**Holocene**			
Kavachi (Solomon Is-SW Pacific)	9.02 S	157.95 E	-20	1135	AB	**Submarine volc**	0505-06=	**Historical**			
							1939	0430?	---- x--- x--- ---- ----		2
							1942?	....	---- x?-- ---- ---- ----		1
							1950	1201p	---- x--- x--- ---- ----		2
							1951	1201p	---- x--- x--- ---- ---x		2
							1952	0416 1953 0131?	---- xx-- x--- x--- ----		2
							1957	0208	---- x--- --x- ---- ----		0
							1958	1121 1958 1202?	---- x?-- ---- ?--- ----		0
							1961	0328<	---- xx-- x--- x--- ----		2
							1962	01 1962 02	---- x--- x--- ---- ----		2
(eruption Dec. 14, 1963, not 1961)							1963	1214 1964 0131?	---- xx-- --x- x--- ----		2*
							1965	1211 1965 1213	---- xx-- --x- x--- ----		2
							1966	0319 1966 0322>	---- x--- x-x- ---- ----		2
							1969	1028 1970 0206	---- xx-- x--- x--- ----		2
							1972	1024	---- x--- x--- ---- ----		0
							1974	1112 1974 1212?	---- x--- x--- ---- ----		1
							1975	08	---- x--- x--- ---- ----		1
							1976	0824 1976 1013	---- xx-- x--- x--- ----		1
							1977	0222	---- x--- x--- ---- ----		1
							1977	0717? 1977 0722	---- x--- x--- ---- ----		1
							1978	0621 1978 0722f	---- xx-- x--- x--- ----		2
							1980	1007 1981 0225	---- x--- x--- ---- ----		1
						?	*1981*	*0915e*	---- ?--- ---- ---- ----		*0*
							1982	0407 1982 0602a	---- x--- x--- ---- ----		2
							1985	1209 1986 0228c	---- x--- x--- ---- ----		1
							1986	0705 1986 0723	---- xx-- x-x- ---- ----		1
							1991	0504< 1991 09	---- xx-- x--- x--- ----		2
							1997	0116 1997 0117>	---- x--- x--- ---- ----		1
						?	*1998*	....	---- ?--- ---- ---- ----		*0*
							1999	02 1999 05	---- x--- x--- ---- ----		1
							1999	11 ? 2003 08	---- xx-- x--- ---- ----		1
							2004	0315	---- x--- x--- ---- ----		1
							2007	0402? 2007 0406>	---- x--- x--- ---- ----		1
Unnamed (Solomon Is-SW Pacific)	8.92 S	158.03 E	-240	0145	A	**Submarine volcs**	0505-061	**Holocene**			
Gallego (Solomon Is-SW Pacific)	9.35 S*	159.73 E	1000	5556	A	**Volcanic field**	0505-062	Holocene?			
Savo (Solomon Is-SW Pacific)	9.13 S	159.82 E	485	4446	ADb	**Stratovolcano**	0505-07=	**Historical**			
NE crater margin							1568<	....	x--- ---x xx-- --x- xxxx		3
						G	1650p	....	x--- ---- xx-- ---- --x-		
							1835e	.... 1847?	x--- ---x xx-- --?- xxx-		3?
						?	*1865p*	....			
Tinakula (Santa Cruz Is-SW Pacific)	10.38 S	165.80 E	851	0225	Abd	**Stratovolcano**	0506-01=	**Historical**			
						C	1050?	....	---- ---- x--- ---- ----		
							1595	....	x--- ---- x--- x--- ----		3†
							1768	08	---- ---- x--- ---- ----		2
							1797	....	---- ---- x--- ---- ----		1?
							1840?	....	x--- ---- xx-- ---- xx--		3?
							1855	08	x--- ---- x--- ---- ----		2
							1857	08	---- ---- x--- ---- ----		2
							1869	03	---- ---- x--- ---- ----		2
							1871	....	---- ---- x--- x--- ----		2?
							1886	....	---- ---- ---- ---- ----		
							1897	0326e	---- ---- x--- ---- -x-x		2?
							1909	08	---- ---- x--- x--- ----		2
							1951	1023 1951 1127p	x--- ---- x--- x--- ----		3
						?	*1955*	*08* *?1955* *1015r*	---- ---- --?- ---- ----		*2?*
Upper NW flank							1965	1123 1966 0611	-x-- ---- x-x- x--- ---x		3*
Upper and lower NW flanks							1971	0906 1971 1211	-x-- ---- xx-- x--- -x-x		2
Upper NW flank							1984	0603< 1985 0613>	-x-- ---- x--- ---- ----		2
							1989	08 < 1990 02 >	x--- ---- x--- ---- ----		1
							1995	....	x--- ---- x--- ---- ----		1?
							1999	05	x--- ---- x--- ---- ----		1?
							2000	1102? 2001 0416?	---- ---- ?--- ---- ----		1?
Upper NW flank							2002	04	-x-- ---- x--- ---- ----		1
						?	*2002*	*11*	---- ---- ---- ---- ----		*1?*
							2006	02 < 2007 11 >	x--- ---- x--- ---- ----		2
							2008	0919? 2010>	x--- ---- x--- ---- ----		1?
VANUATU & S											
Motlav (Banks Is)	13.67 S	167.67 E	411	3344	B	**Stratovolcano**	0507-001	**Holocene**			
Suretamatai (Banks Is)	13.80 S	167.47 E	921	2444	ABD	**Complex volcano**	0507-01=	**Historical**			
						?	*1841*	....	---- ---- ---- ---- ----		
(eruption 1856 or 1860)							1856?	....	x--- ---- x--- ---- ----		2?
(eruption 1861 or 1865)							1861?	....	x--- ---- x--- ---- ----		2
NW flank							1965	0809 1966	-x-- ---- x-x- ---- ----		2
Gaua (Banks Is)	14.27 S	167.50 E	797	3444	ABd	**Stratovolcano**	0507-02=	**Historical**			
Mt. Garat							1962	07 <	x--- ---- x--- ---- ----		2?
Mt. Garat (upper SE flank)							1963	0915e 1963 1109>	x--- ---- x--- ---- ----		2
Mt. Garat							1965	0927 1965 0930>	x--- ---- x--- ---- ----		3
Mt. Garat							1966	....	x--- ---- x--- ---- ----		2
Mt. Garat							1967	07	x--- ---- x--- ---- ----		2
Mt. Garat (upper SE flank)							1968	.... 1968 1201p	x--- ---- x--- ---- ----		2
Mt. Garat							1969	0922	x--- ---- x--- ---- ----		2

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Summit crater / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Gaua (Banks Is) *continued*		Mt. Garat (upper SE flank)								1971	0512	1971	0513		x--- ---- x--- ---- ----	2	
		Mt. Garat (upper SE flank)								1973	1009	1974	0121		x--- ---- x--- ---- ----	2*	
		Mt. Garat								1976	0115e	....	....		x--- ---- x--- ---- ----	2	
		Mt. Garat								1977	0413	1977	0413		x--- ---- x--- ---- ----	2	
		Mt. Garat								1980	....	....	....		x--- ---- --?- ---- ----	1?	
		Mt. Garat								1981	0709	1981	0709		x--- ---- x-?- ---- ----	1?	
		Mt. Garat								1982	0418	1982	0418		x--- ---- x-?- ---- ----	2	
		Mt. Garat								2009	0927	2010	0101>		x--- ---- xx-- ---- ----	2	
Mere Lava (Banks Is)	14.45 S	168.05 E	1028	2225			B	Stratovolcano		0507-021		Holocene					
									?	*1606*	....	....	....		---- ---- ---- ---- ----		
Aoba (Vanuatu-SW Pacific)	15.40 S	167.83 E	1496	2445			B	Shield volcano		0507-03=		Historical					
		Lakes Voui and Manaro Ngoru							C	1530?	....	....	....		x--- ---- x--- ---- ----		
		Lake Voui and upper west flank							A	1670?	....	....	....		xxx- ---- x-x- x--- xx--	2?	
		SE side Lake Manaro Lakua; Lake Voui?								1870?	....	....	....		x--- ---- --x- ---- xxx-	2?	
									?	*1915a*	....	....	....		--x- ---- ?-?- ---- xxx-		
		Lake Voui								1995	0302	1995	0303?		x--- ---x x-x- ---- ----	2	
		Lake Voui								2005	1127	2006	02		x--- ---x xxx- ---- ----	2	
Ambrym (Vanuatu-SW Pacific)	16.25 S	168.12 E	1334	1355			BAD	Pyroclastic shield		0507-04=		Historical					
									C	0050v	....	....	....		x--- ---- xx-x x--- ----	6+	-/10
										1774	....	....	....		---- ---- x--- ---- ----	2	
		West flank								1820?	....	....	....		--x- ---- ---- x--- -x--		
										1863	....	1864	....		x--- ---- x--- x--- ----	2	
									?	*1870*	....	....	....		---- ---- ?--- ---- ----		
										1871	....	....	....		---- ---- x--- ---- ----	2	
		Marum								1883	....	....	....		x--- ---- x--- ---- ----	2	
		Marum and/or Benbow								1884	....	....	....		x--- ---- ?--- ---- ----	2?	
										1886	07	....	....		x--- ---- x--- ---- ----	2	
		SE flank (6 km from SE Point), Marum								1888	0224d	1888	04 ?		xx-- ---- x--- x--- ----	2	
		Benbow and west flank								1894	1015	1895	0210>		x-x- ---- x--- x--- xx--	3	
										1898	0326	....	....		---- ---- ?--- ---- ----	1?	
										1908	....	....	....		---- ---- ?--- ---- ----	2?	
									?	*1909*	*0628*	....	....		---- ---- ?--- ---- ----		
		Base of Marum								1910	....	....	....		x--- ---- ---- x--- ----	0?	
		Marum ?, west flank ?								1912	....	....	....		x?-- ?--- ?--- ---- ----		
		Benbow, west flank, Marum								1913	1014	1914	....		xxx- ---- x--- x--- xx--	3*	
		Marum, crater at SE point								1915	1020	....	....		xx-- ---- x--- ---- ----	2	
		Benbow, west flank, Marum								1929	0628	1929	0701		xxx- x--- x--- ---- -x--	2	
		Benbow								1935	09	1936	01		x--- ---- x--- -x-- ----	2	
		Benbow and west flank								1937	0327	1937	04		x-x- ---- x--- x--- ----	2	
		Benbow, Marum ?								1938	....	....	....		x--- ---- x--- ---- ----	2	
		NW flank of Benbow								1942	0606	....	....		x-x- ---- x--- x--- ----	2	
		Benbow								1950	1206	1951	1125e		x--- ---- x--- ---- -xx-	4+	-/8
		Benbow								1952	0810	1952	1226e		x--- ---- x--- ---- -x--	2	
		Benbow, Mbuelesu, S flank of Benbow								1953	05	1953	1013?		xx-- ---- x--- -x-- ----	2	
		Benbow								1954	....	....	....		x--- ---- x--- ---- ----	2	
		Benbow								1955	....	....	....		x--- ---- x--- x--- ----	2	
		Benbow, Marum								1957	0826e	1957	10		x--- ---- x--- ---- ----	1?	
		Benbow and Marum								1958	1118	....	....		x--- ---- ?--- ---- ----	2?	
		Marum								1959	04	....	....		x--- ---- x--- ---- ----	2	
		Mbuelesu, Benbow, near Marum								1960	0917	....	....		xx-- ---- ?--- -x-- ----	1?	
		Benbow, Marum, south of Marum								1961	0815	1963	0403		xx-- ---- x--- -x-- ----	3*	
		Benbow, Marum								1963	0830	1963	0923>		x--- ---- x--- ---- ----	2	
		Marum, Benbow								1964	02 ?	1966	09 >		xx-- ---- x--- -x-- ----	2	
		Marum, Benbow, Mbuelesu								1967	07	1970	0829		x--- ---- x--- -x-- -x--	2	
		Marum, Benbow								1971	0203	1971	1105		x--- ---- x--- -x-- ----	2	
		Benbow, Marum								1972	0415	1972	0815		x--- ---- x--- x--- -x--	3*	
		Benbow, Mbuelesu, Marum								1973	0415e	1976	1014		xx-- ---- x--- -x-- ----	3*	
										1977	0120e	1977	0128?		x--- ---- x--- ---- -x--	2	
										1977	08	1977	0930		x--- ---- x--- ---- ----	2	
		Benbow								1979	0126e	1979	0218?		x--- ---- x--- ---- -x--	2	
		Benbow, Marum								1979	0606	1979	09 ?		x--- ---- x--- ---- ----	2	
		Marum								1980	0516	1980	0818		x--- ---- x--- ---- ----	3*	
		Benbow, Marum								1981	0220	1981	0930		x--- ---- x-x- x--- -x--	2	
		Marum								1983	....	....	....		x--- ---- x--- ---- ----	2	
										1984	....	1986	0308>		x--- ---- x--- ---- ----	2	
		New cone 3 km east of Marum								1986	1113	1986	1119?		x--- ---- x--- x--- ----	2	
		Benbow, Mbwelesu, Marum, Niri Taten								1988	0212?	1988	0823		xx-- ---- x--- xx-- ----	3	6/-
		Marum, Benbow, Niri Mbwelesu Taten								1989	0424	1989	1223		xx-- ---- x--- xx-- --?--	2	
		Mbwelesu, Niri Mbwelesu, Niri Taten								1990	09 <	1991	07 >		x--- ---- x--- -x-- ----	2	
		Benbow and Marum								1994	12 <	....	....		x--- ---- x--- -x-- ----	1?	
		Benbow, Marum, Niri Mbelesu, Mbwelesu								1996	06 <	2005	08 >		x--- ---- x--- -x-- ----	1	
		Marum (Mbwelesu)								2006	1108	2007	1227>		x--- ---- x--- -x-- ----	2*	
		Benbow and Marum								2008	0523	2010>	....		x--- ---- ---- -x-- ----	1	
Lopevi (Vanuatu-SW Pacific)	16.507 S	168.346 E	1413	3345			BA	Stratovolcano		0507-05=		Historical					
										1863	....	....	....		x--- ---- x?-- ---- ----	2	
										1864	0609	....	....		x--- ---- xx-- ---- ----	3	
										1874	....	....	....		---- ---- ---- ---- ----	2	
										1883	....	1884	....		---- ---- ---- ---- ----		
										1892	10	1893	....		---- ---- x--- ---- ----	2?	
										1898	0603	1898	0724?		x--- ---- x--- x--- -x--	2?	
										1908	....	....	....		?--- ---- ---- x--- ----	2	
										1922	0628	1922	0701		---- ---- ?--- ---- ----	2	
										1933	....	....	....		---- ---- ---- ---- ----		
		NW and SE flanks								1939	0202	....	....		-xx- ---- x--- x--- -x--	2	
		NW and/or SW flanks								1939	1101	....	....		-xx- ---- xx-- x--- -x--	2	
		NW flank (640 m)								1960	0710	1960	09		-xx- ---- xx-- x--- -x--	3	
		NW flank								1962	07	1962	07 ?		-xx- ---- ---- x--- ----	0	
		Summit, NW, north, east and SE flanks								1963	0707	1965	....		xxx- ---- xx-- x--- -x--	3*	
		Summit and NW flank								1967	0127	1969	0331		xxx- ---- x--- x--- ----	3*	
		Summit, NW and east flanks								1970	0509	1972	0807		xxx- ---- x--- x--- ----	2*	
		Summit and NW flank								1974	01	1974	1007		x?-- ---- x-?- ---- ----	2	
		Summit and NW flank								1975	0306c	1975	0623		xx-- ---- x--- ---- ----	2	
										1976	0501	1976	0905		x--- ---- x--- ---- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Lopevi (Vanuatu-SW Pacific) *continued*		Summit and NW flank									1978	1122	1979	03	xx-- ---- x--- x--- ----	2*	
		NW flank									1979	0702	1979	0912	-x-- ---- x--- ---- ----	2	
		Summit, NW and SE flanks									1980	0415	1980	0820	xxx- ---- x--- x--- -x--	3	
											1982	1024	1982	1025	x--- ---- x--- ---- ----	2	
		1963 crater (NW flank 1000 m)									1998	07	2000	0425?	-x-- ---- xx-- x--- ----	3*	3/-
		NW flank (200-400 m)									2001	0608	2001	0619>	-xx- ---- x--- x--- -x--	3	
											2003	0608	2003	0616?	x--- ---- x--- x--- ----	3	
											2004	09	2004	09	---- ---- x--- ---- ----	2	
											2005	0130	2005	0331?	---- ---- x--- ---- ----	2	
											2005	1027?	2006	0801?	x--- ---- x--- x--- ----	2	
											2007	0421	2007	0514?	x--- ---- x--- ?--- ----	2	
										?	*2008*	*0224*	*?2008*	*0224?*	x--- ---- ?--- ---- ----	*2*	
Epi (Vanuatu-SW Pacific)	16 68 S	168 37 E	833	0345				BAD	**Stratovolcanoes**		**0507-06=**		**Historical**				
											1920	0122	....	....	---- xx-- ---- ---- ----	2	
		Epi B and other vents									1953	0212	1953	0219	x--- xx-- x--- ---- ----	3	
										?	*1953*	*11*	....	....	---- ?--- ---- ---- ----	*0*	
											1958	09 ?	1958	11 ?	---- x--- x--- ---- ----	2?	
											1960	07 ?	....	....	---- x--- ---- ---- ----	0	
										?	*1971*	*1028*	*?1971*	*1115?*	---- ?--- ---- ---- ----	*0*	
										?	*1972*	*0515e*	*?1972*	*0625e*	---- ?--- ---- ---- ----	*0*	
										?	*1973*	*0505d*	*?1973*	*1026e*	---- ?--- ---- ---- ----	*0*	
		Epi A and Epi B								?	*1974*	*11*	*?1974*	*11*	x--- ?--- ---- ---- ----	*0*	
		South flank of Epi B									1979e	....	....	....	-x-- x--- ---- ---- ----	0	
										?	*1988*	*08*	....	....	---- ?--- ---- ---- ----	*0*	
											1999?	0201p	....	....	---- x--- ?--- ---- ----	1?	
											2002	03	2002	03	---- x--- x--- ---- ----	1?	
		Epi B									2004	0216	2004	0224	---- x--- x--- ---- ----	2	
Kuwae (Vanuatu-SW Pacific)	16 829 S	168 536 E	-2	4445				BDA	**Caldera**		**0507-07=**		**Historical**				
										G	1430?	....	....	....	---- x--- xx-- ---- -x--		
		Karua									1897	0525?	1901	....	x--- xx-- x--- ---- ----	2*	
		Karua									1923	....	1925	....	x--- xx-- ---- ---- ----	2?	
		Karua									1948	0922	1948	0929	x--- xx-- x--- ---- ----	2	
		Karua									1949	04	....	....	x--- x--- x--- ---- ----	3	
		Karua									1949	10	1949	12	x--- xx-- ---- ---- ----	3	
		Karua									1952	1003	....	....	x--- x--- x--- ---- ----	1	
		Karua									1953	0212	....	....	x--- x--- ---- ---- ----	1?	
		Karua									1958	1007?	1958	1218	x--- x--- x--- ---- ----	2?	
		Karua									1959	0918?	1959	0920?	x--- xx-- ---- ---- ----	2	
		Karua								?	*1970*	*0912*	*?1970*	*0920*	x--- ?--- ---- ---- ----	*0*	
		Karua									1971	0222	1971	0222	x--- xx-- x--- ---- ----	2	
		Karua								?	*1972*	*0305e*	*?1972*	*0515e*	x--- ?--- ---- ---- ----	*0*	
		Karua								?	*1973*	*0505d*	*?1973*	*10*	x--- ?--- ---- ---- ----	*0*	
		Karua									1974	0204d	1974	09 ?	x--- xx-- ---- ---- ----	0	
		Karua								?	*1977*	*0201*	....	....	x--- ?--- ---- ---- ----	*0*	
		Karua								?	*1979*	*09*	....	....	x--- ?--- ---- ---- ----	*0*	
		Karua								?	*1980*	*0820*	....	....	x--- ?--- ---- ---- ----	*0*	
Unnamed (Vanuatu-SW Pacific)	16 992 S	168 592 E	216	4445				BD	**Stratovolcanoes**		**0507-08-**		Holocene?				
North Vate (Vanuatu-SW Pacific)	17 47 S	168 353 E	594	4455				BAT	**Stratovolcanoes**		**0507-081**		**Holocene**				
Traitor's Head (Vanuatu)	18 75 S	169 23 E	837	3345				BA	**Stratovolcano**		**0507-09=**		**Historical**				
		NE flank submarine vent									1881	....	....	....	-x-- x--- ---- ---- ----	0	
		Four submarine vents N of Erromango								?	*1959*	....	....	....	---- ?--- ---- ---- ----		
Yasur (Vanuatu-SW Pacific)	19 53 S	169 442 E	361	4455				Ab	**Stratovolcano**		**0507-10=**		**Historical**				
										C	0550?	....	....	....	x--- ---- x--- ---- ----		
										C	0850y	....	....	....	x--- ---- x--- ---- ----		
										C	1150?	....	....	....	x--- ---- x--- ---- ----	2	
											1774<	....	2010>	....	x--- ---- x-x- -x-- xx-x	3*	
Aneityum (Vanuatu-SW Pacific)	20 20 S	169 78 E	852	3335				BA	**Stratovolcanoes**		**0507-11-**		Holocene?				
Eastern Gemini Seamount	20 98 S	170 28 E	-80	0003				BA	**Submarine volc**		**0508-001**		**Historical**				
											1996	0218	1996	0222>	---- x--- x--- ---- ----	1	
Matthew Island (SW Pacific)	22 33 S	171 32 E	177	1111				AD	**Stratovolcano**		**0508-01=**		**Historical**				
										?	*1828*	*01*	....	....	---- ---- ---- ---- ----		
		West-Matthew									1949<	....	....	....	x--- xx-- x--- x--- ----	2	
		West-Matthew (October 1954, not 1953)									1954	10 ?	....	....	x--- ---- ?--- ---- ----	2	
		West-Matthew									1956b	....	....	....	x-x- ---- ---- ---- ----	0?	
										?	*1966*	*08*	....	....	---- ---- ?--- ---- ----		
										?	*1976*	*1127*	....	....	x--- ---- --?- ---- ----	*1?*	
Hunter Island (SW Pacific)	22 40 S	172 05 E	297	0001				AD	**Stratovolcano**		**0508-02=**		**Historical**				
										?	*1797*	....	....	....	---- ---- ---- ---- ----		
											1835	....	....	....	---- ---- ---- x--- ----		
											1841	0315	....	....	---- ---- x--- ---- ----		
										?	*1892*	....	....	....	---- ---- ---- ---- ----		
		East side									1895	1124	....	....	-x-- ---- x--- x--- ----		
		Northern tip of island									1903	....	....	....	--x- ---- ---- x--- ----	0	
		(eruption report not valid)								X	*1983*	*0309<*	....	....	---- ---- ---- ---- ----		
Unnamed (SW Pacific)	25 78 S	168 63 E	-2400	0000				U	**Submarine volc**		**0508-03-**		**Hydrophonic**				
		Norfolk Island Ridge								S	1963	0911	S1964	....	---- x--- x--- ---- ----	0	

AUSTRALIA

Newer Volcanics Prov (Australia)	37 77 S*	142 50 E	1011	6666				XBtay	**Shield volcanoes**		**0509-01-**		**Radiocarbon**				
		Red Rock								C	5850?	....	....	....	x--- ---- x--- ---- ----		
		Mt. Napier								C	5290<	....	....	....	x--- ---- ---- x--- ----		
		Mt. Schank								F	3000z	....	....	....	x--x ---- x-x- x--- ----		
		Mt. Gambier								C	2900w	....	....	....	x--- ---- x-x- x--- ----		

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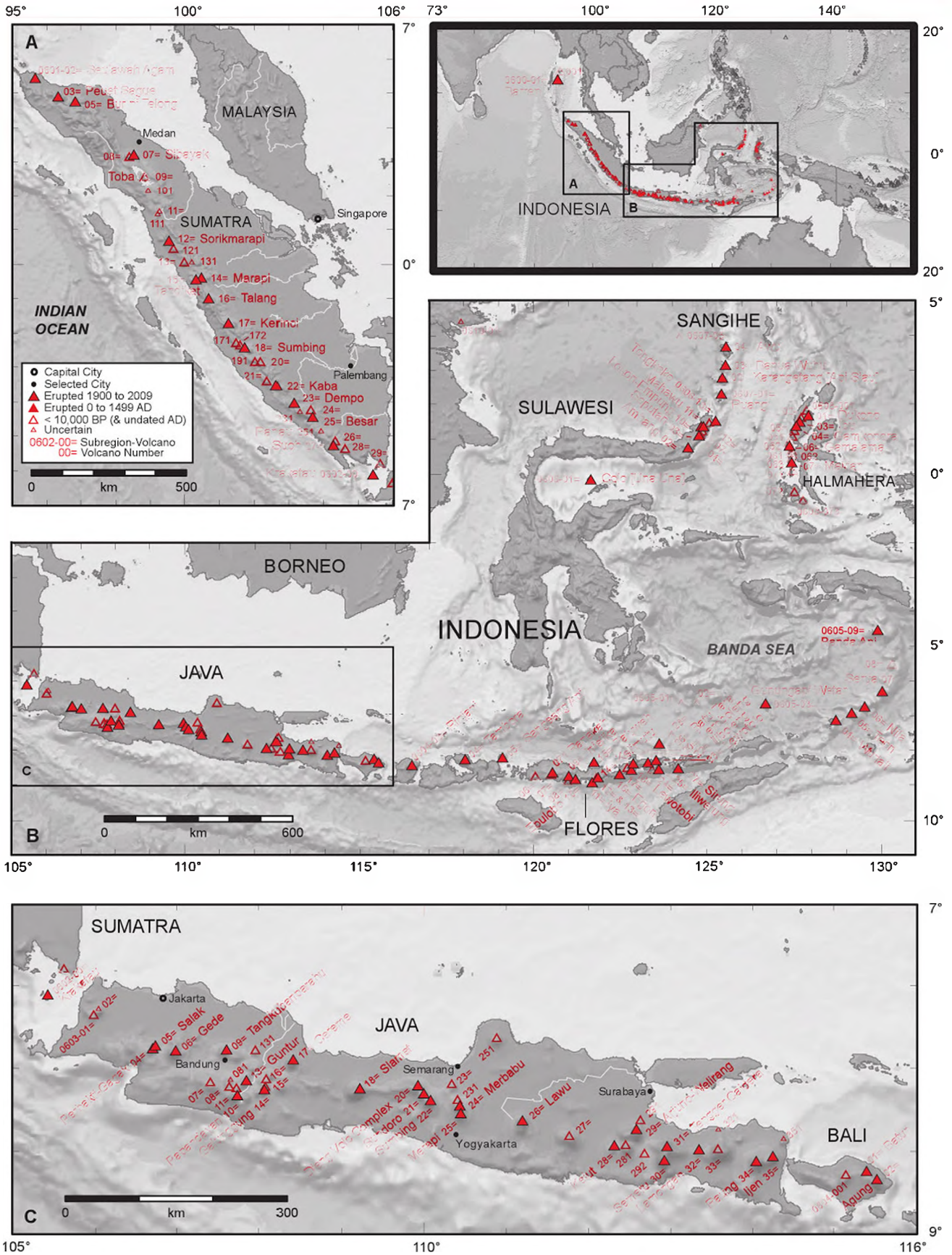

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The vast Indonesian archipelago consists of more than 13,000 islands, spread over an area approximating that of the width of the conterminous United States. Its population of more than 237 million is three-fourths of the US's, but with only one-fifth of the land area. More than 75% of Indonesian residents live within 100 km of a Holocene volcano, the highest number of people of any of the world's volcanic regions. Indonesia was the subject of the first *CAVW* in 1951, authored in Holland by Meir Neumann van Padang, who had grown up in Indonesia and worked there as a geologist. He went on to spearhead the *CAVW* series, authoring or co-authoring 6 catalogs and overseeing publication of 21 before retiring, at the age of 73, in 1967.

Although Chinese records show a Krakatau eruption in the 3rd century AD, and some 20 additional historical eruptions are reported, mostly from Kelut as well as Krakatau, through the 15th century, uncertainty surrounds many of them. Europeans first began to document eruptions in 1512 (Sangeang Api and Gunungapi Wetar), about the time Portugal gained control of the Mollucan clove trade. The Dutch East India Company controlled the islands from 1602 through 1780, followed by the Dutch government. Britain took temporary control of the islands in the early 19th century, but the Dutch returned and unrest marked much of the century. The disastrous Krakatau eruption of 1883 was followed by several devastating eruptions on other islands and in 1920 a Volcano Survey was established by the government, leading to much improved volcano monitoring and reporting. The islands were occupied by Japan from early 1942, and WW-II was followed by a 4 year war of independence, with sovereignty gained at the end of 1949. The Volcanological Survey of Indonesia (VSI), now known as the Centre of Volcanology and Geological Hazard Mitigation (CVGHM), operates a network of 76 volcano observatories continuously monitoring 66 volcanoes.

The great sweep of the Sunda Arc, over 3000 km from NW Sumatra to the Banda Sea, results from the subduction of Indian Ocean crust beneath the Asian Plate. This arc includes 78% of the region's volcanoes, but those on either end are tectonically more complex. To the NNW, the basaltic volcanism of the Andaman Islands results from short spreading centers, and to the east the Banda Arc reflects Pacific Ocean crust subducted westward. North of this arc, tectonic complexity increases, with converging plate fragments forming multiple subduction zones, mainly oriented N-S, that in turn produce the Sulawesi-Sangihe volcanoes on the west and Halmahera on the east of the collision zone.

Indonesia leads the world in many volcano statistics. It has the largest number of historically active volcanoes (78), its total of 1250 confirmed eruptions is only exceeded by Japan's 1469, and these two regions have combined to produce nearly 1/3 of the known pyroclastic-flow producing eruptions. Indonesia easily leads the world in numbers of residents living within 30 and 100 km of a Holocene volcano, and has more than double the number of the next highest region of those within these distances of volcanoes with eruptions since 1500 AD. The combination of a densely packed population in a volcano-rich country has led to Indonesia suffering the highest numbers of eruptions producing fatalities (114) and damage to human infrastructure (195). In recent years, however, the VSI (now CVGHM) has compiled an enviable record of evacuating populations before eruption disasters occur. As shown in the evacuation table later in this compilation, Indonesia has had many more recent evacuations than any other nation, and fatalities have been avoided in all but a few eruptions. Indonesia also ranks at the top of regions with tsunamis and crater lake eruptions, the former best known for the major 1883 tsunami from the eruption of Krakatau that swept the coasts of Sumatra and Java, and the latter seen in the frequent eruptions from Kawah Ijen on Java and the renowned multi-hued crater lakes at Kelimutu on Flores Island. Indonesia lies near the top of the list in eruptions producing lava domes (second only to Kamchatka), and mudflows: the volcanological term *lahar* used for mudflows in volcanic terrain derives from Indonesia.

More than four-fifths of Indonesian volcanoes with dated eruptions have erupted since 1900 AD, and history shows the danger of volcanoes that have *not* erupted in recent centuries. Relatively few stratigraphic studies of older volcanic deposits have been completed in Indonesia, and only 0.4% of known Indonesian eruptions have been dated by other than historical techniques, emphasizing the need for more study of the prehistoric record in this region.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	100	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
									Start: Year M-Dy	Stop: Year M-Dy	Central / Flank vent / Radial fiss / Regional / Submarine / New Island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
SUMATRA & ANDAMAN ISLANDS													
Narcondum (Andaman Is-Indian O)	13.43 N	94.28 E	710	0000			AD	Stratovolcano	0600-001	Holocene			
Barren Island (Andaman Is)	12.278 N	93.858 E	354	3334			BA	Stratovolcano	0600-01=	Historical			
(eruption May 12, 1787, not 1783)									1787 0512	....	x--- ---- x--- ---- ----	2	
									1789 0324	....	x--- ---- x--- ---- ----	2	
									1795 1220	1795 1221>	x--- ---- x--- ---- ----	2	
									1803 11	1804 0131>	x--- ---- x--- x--- ----	2	
									1832 03	....	x--- ---- ?--- x--- ----	2?	
(uncertain press report of activity)									? *1852*	....	?--- ---- ?--- ---- ----	2	
Central cone summit and NE flank									1991 0329	1991 1031g	xx-- ---- x--- x--- -x--	2	6/6
Central cone summit, SW & S flanks									1994 1220<	1995 0605h	xxx- ---- x--- x--- ----	2	6/6
									? *2000 01*	....	x--- ---- ?--- ---- ----	*1?*	
Central cone summit, N, S, and SW flanks									2005 0526	2007 1223?	x--- ---- x--- x--- ----	2	
									2008 0513	2010>	x--- ---- x--- x--- ----	2	
Seulawah Agam (Sumatra)	5.448 N	95.658 E	1810	3567			AD	Stratovolcano	0601-02=	Historical			
NNE flank									1510j	....	-x-- ---- ?-?- ---- ----	2	
NNE flank (van Heutsz crater)									1839 0112	1839 0113	-x-- ---- ?-?- ---- ----	2	
Peuet Sague (Sumatra)	4.914 N	96.329 E	2801	2357			AD	Complex volcano	0601-03=	Historical			
									1918	1921	x--- ---- xx-- --x- ----	2	
									1979	....	x--- ---- x--- ---- ----	2	
									1986	....	x--- ---- x--- ---- ----	2	
									1991	....	x--- ---- x--- ---- ----	2	
									1998 0419	1998 0426?	x--- ---- x-x- ---- ----	1	
									1999 0309?	1999 0430c	x--- ---- x--- ---- ----	1	
									2000 1225	2000 1226>	x--- ---- x--- x--- ----	2	
Telong, Bur ni (Sumatra)	4.769 N	96.821 E	2617	4567			A	Stratovolcano	0601-05=	Historical			
									1837 0925e	....	x--- ---- x--- ---- ----	2	
									1839 0112	1839 0113	x--- ---- x--- ---- ----	2	
									1856 0414	....	x--- ---- x--- ---- ----	2	
									1919 12	....	x--- ---- x--- ---- ----	2	
									? *1924 1207*	....	---- ---- ---- ---- ----	*2*	
									1937	....	---- ---- ---- ---- ----		
Sibayak (Sumatra)	3.23 N	98.52 E	2212	5567			AD	Stratovolcanoes	0601-07=	Historical			
									1881	....	---- ---- x--- ---- ----		
Sinabung (Sumatra)	3.17 N	98.392 E	2460	3567			AD	Stratovolcano	0601-08=	Holocene			
									? *1881*	....	---- ---- x--- ---- ----		
Toba (Sumatra)	2.58 N	98.83 E	2157	6667			DRYA	Caldera	0601-09=	Holocene			

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	STATUS	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol LAT
Imun (Sumatra)	2.158 N	98.93 E	1505	4567			DR	**Unknown**	0601-101			Holocene?					
Sibualbuali (Sumatra)	1.556 N	99.255 E	1819	4567			DRAb	**Stratovolcano**	0601-11=			Holocene?					
Lubukraya (Sumatra)	1.478 N	99.209 E	1862	3467			Ab	**Stratovolcano**	0601-111			Holocene?					
Sorikmarapi (Sumatra)	0.686 N	99.539 E	2145	3457			AD	**Stratovolcano**	0601-12=			**Historical**					
										1829?	....		....	....	x--- ---- x-x- ---- ----	2	
										? *1866*	....		....	....	---- ---- ---- ---- ----		
										1879	....		....	....	x--- ---- --x- ---- ----	2	
										? *1888*	*02*		....	....	---- ---- ---- ---- ----		
	Summit and east flank (Jurang Siunik)									1892	0521		....	....	xx-- ---- --x- ---- xxx-	2	
	East flank (Sibanggor Julu)									1893	0104	1893	0104		-x-- ---- --x- ---- ----	2	
										1917	0520	1917	0520		x--- ---- x-x- ---- ----	2	
										1970	....	....	....		---- ---- x--- ---- ----	2	
										1986	0705	1986	0714		x--- ---- x-x- ---- ----	1	-/2
										? *1996*	*0505*	....	....		---- ---- ?--- ---- ----		
Malintang (Sumatra)	0.47 N	99.67 E	1983	2367			Ad	**Stratovolcano**	0601-121			**Holocene**					
Talakmau (Sumatra)	0.079 N	99.98 E	2919	2467			AD	**Complex volcano**	0601-13=			**Holocene**					
										? *1937*	*0908*	....	....		x--- ---- ---- ---- ----	*1*	
Sarik-Gajah (Sumatra)	0.08 N	100.20 E		4567			ABD	**Pyroclastic cones**	0601-131			Holocene?					
Marapi (Sumatra)	0.381 S	100.473 E	2891	3567			AYB	**Complex volcano**	0601-14=			**Historical**					
										1770	....	....	....	....	x--- ---- x--- ---- ----	2	
										1807	....	....	....	....	x--- ---- x--- ---- ----	2	
										1822	0723	1822	0731		x--- ---- x--- x--- -x--	2	
										1833	....	1834	....	....	x--- ---- x--- ---- ----	2?	
										1845	1116	1845	1118		x--- ---- x--- ---- ----	2?	
										1854	0829>	....	....		x--- ---- x--- ---- ----	2	
										1855	1002	1856	01		x--- ---- x--- ---- ----	2	
										1861	04	....	....		x--- ---- x--- ---- ----	2?	
										1863	0523	....	....		x--- ---- x--- ---- ----	2?	
										1871	0424	....	....		x--- ---- x--- ---- ----	2?	
										1871	0924	....	....		x--- ---- x--- ---- ----	2?	
										1876	0404	....	....		x--- ---- x--- ---- ----	2?	
										1876	08	1877	06		x--- ---- x--- ---- ----	2?	
										? *1878*	*12*	....	....		x--- ---- x--- ---- ----	*2?*	
										1883	0625	1883	0827		x--- ---- --x- ---- ----	1	
										1883	12	1883	12		x--- ---- x--- ---- ----	1	
										1885	1112	....	....		x--- ---- x--- ---- ----	2?	
										1886	0331	1886	0503		x--- ---- x--- ---- ----	2	
										1888	0219	1888	0319		x--- ---- x--- ---- ----	2?	
										1889	0327	1889	0417?		x--- ---- x--- ---- ----	2?	
										1904	0418	1904	0418		x--- ---- x--- ---- ----	1	
										1905	1101	....	....		x--- ---- x--- ---- ----	2?	
										1907	1217	1908	09		x--- ---- x--- ---- ----	2?	
										1910	....	....	....		x--- ---- x--- ---- ----	2?	
										1911	1102	....	....		x--- ---- x--- ---- ----	2?	
										1913	0623	1913	0731		x--- ---- x--- ---- ----	2?	
										1914	0701	....	....		x--- ---- x--- ---- ----	2?	
										1915	12	....	....		x--- ---- x--- ---- ----	2?	
										1916	0505	1916	0707		x--- ---- x--- ---- ----	1	
										1917	0616	1917	0916		x--- ---- x--- ---- ----	2?	
										1918	0308	1918	0310		x--- ---- x--- ---- ----	2?	
										1918	0815e	1918	0815e		x--- ---- x--- ---- ----	2?	
										1919	0228	1919	0301		x--- ---- x--- ---- ----	2?	
										1925	04 ?	....	....		x--- ---- ----- x--- ----	0	
	Kepundan Bongsu									1927	0205	1927	0803		x--- ---- x--- ---- ----	2	
	Kepundan Bongsu									1929	0622	1929	0622		x--- ---- x--- ---- ----	2	
										1930	0409<	1930	1207		x--- ---- x--- x-?- ----	2?	
										1932	....	....	....		x--- ---- ?--- ---- ----	2?	
	Kepundan Kuniang, Kepundan Jinggo									1943e	....	....	....		x--- ---- x--- ---- ----		
	Kepundan Bongsu									1949	0429	1949	0430		x--- ---- x--- ---- ----	2	
										1949	1015e	1949	1022e		x--- ---- x--- ---- ----	2	
	Kepundan Bongsu, Kuniang, Jinggo									1950	0927	1952	0614		x--- ---- x--- ---- ----	2*	
	Kepundan Bongsu, B and C Craters									1954	08	1957	12 >		---- ---- x--- ---- ----	2?	
										1958	0623	1958	0623?		x--- ---- x--- ---- ----	1	
										1958	1017	1958	1025		x--- ---- x--- ---- ----	1	
	B and C Craters, Kebun Bungo									1966	03	1966	06		x--- ---- x--- ---- ----	1	
	Crater C, Bungsu Crater									1967	04	1967	07		x--- ---- x--- ---- ----	1	
	Craters B and C									? *1968*	*12*	?*1968*	*12*		x--- ---- --?- ---- ----	*1*	
	Bungo, Bongsu, Tuo, B and C Craters									1970	0726e	1971	0820		x--- ---- x-?- ---- ----	2	
	Verbeek Crater									1973	0724	1973	0724		x--- ---- x--- ---- ----	2	
	Verbeek Crater, B and C Craters									1975	01	1979	0911		x--- ---- x-x- ---- xxx-	2*	
										1980	0329	....	....		x--- ---- x--- ---- ----	1	
										1982	0310<	1982	05		x--- ---- x--- ---- ----	1	
										1982	12	1982	12		x--- ---- x--- ---- ----	1	
	Kepundan Tuo and Kepundan Verbeek									1983	....	....	....		x--- ---- x--- ---- ----	1	
	Kepundan Tuo, Kepundan B									1984	1115	1984	1115		x--- ---- --x- ---- ----	1	
	Verbeek Crater									1987	0115	1994>	....		x--- ---- x--- ---- x---	2	
										1999	04 <	1999	09 >		x--- ---- x--- ---- ----	2	
										2000	0311	2000	0403>		x--- ---- x--- ---- ----	2	
	Verbeek Crater									2001	0413	2001	0605		x--- ---- x--- ---- ----	2	
										2004	0805	2004	0805?		x--- ---- x--- ---- ----	2	
Tandikat (Sumatra)	0.433 S	100.317 E	2438	3567			Ad	**Stratovolcanoes**	0601-15=			**Historical**					
	Summit crater and upper NE flank									1889	0219	1889	1204		xx-- ---- x-x- ---- ----	1	
										? *1892*	....	....	....		---- ---- ---- ---- ----		
										1914	0531	....	....		x--- ---- x--- ---- ----	1	
										1924	04	1924	04 ?		x--- ---- x-x- ---- ----	1	
Talang (Sumatra)	0.978 S	100.679 E	2597	4567			A	**Stratovolcano**	0601-16=			**Historical**					
	NE flank									1833	10	....	....		-x-- ---- x--- ---- ----	2	
	NE flank (some reports list 1842 date)									1843	1021	....	....		-x-- ---- x--- ---- ----	2	
	NE flank									1845	0422	....	....		-x-- ---- x--- ---- ----	2	
										? *1868c*	....	....	....		---- ---- ?--- ---- ----		
	NE flank									1876?	....	....	....		-x-- ---- x--- ---- ----	2	
										1963	....	....	....		---- ---- ---- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Talang (Sumatra) *continued*		NE flank (200 m below summit)									1967	1010	1967	1010	--x- ---- ?-?- ---- ----	1	
		NE flank									1968	0114	1968	0114?	--x- ---- x--- ---- ----	1	
		NE flank									1968	09	1968	10	--x- ---- x--- ---- ----	2	
		NE flank (Panjang Crater)								?	*1986*	*0716*	*?1986*	*1013*	-x-- ---- --?- ---- ----	*1*	
		Kepundan Panjang & Kabuo, Gabuo Atas									2001	0925	2001	1115c	-x-- ---- --x- ---- ----	1	
		North & south flanks									2005	0412?	2005	0718?	-x-- ---- x-x- ---- ----	2	
											2006	0910	2006	0910	?--- ---- x--- ---- ----	1	
		Main crater									2007	0319	2007	0622c	x--- ---- x--- ---- ----	2	
											2007	1127	2007	12 ?	x--- ---- x--- ---- ----	2	
Kerinci (Sumatra)	1.697 S	101.264 E	3800	3567			A	Stratovolcano	0601-17=		Historical						
											1838	....	....	....	x--- ---- x--- ---- ----	2	
											1842	....	....	....	x--- ---- x--- ---- ----	2	
											1874?	....	....	....	x--- ---- x--- ---- ----	2?	
											1878	1211	....	....	x--- ---- --x- ---- ----	2	
											1887	0323	1887	0330	x--- ---- --x- ---- ----	2?	
											1908	10	*?1909*	....	x--- ---- x-?- ---- ----	2	
											1921	05	1921	06	x--- ---- x--- ---- ----	2	
											1923	09	1923	09	x--- ---- --?- ---- ----	1	
											1936	0429	1936	0429	x--- ---- x-x- ---- ----	2	
											1936	0830	1936	0830	x--- ---- x-x- ---- ----	2	
											1937	0908	....	....	x--- ---x ---x ---- ----	2	
											1938	0119	1938	0318	x--- ---- --x- ---- ----	2	
											1952	01	1952	06	x--- ---- x--- ---- ----	2	
											1960	07	....	....	x--- ---- x--- ---- ----	2	
											1963	07	....	....	x--- ---- x--- ---- ----	2	
											1964	0708	1964	0708?	x--- ---- x--- ---- ----	2	
											1966	0609	1966	0630>	x--- ---- x--- ---- ----	2	
											1967	1102	....	....	x--- ---- x--- ---- ----	2	
											1968	0203	1968	0318	x--- ---- x--- ---- ----	2	
											1969	....	1970	....	x--- ---- x--- ---- ----	2	
										?	*1971*	*06*	*?1971*	*06*	x--- ---- --x- ---- ----	*1?*	
											1990	1231y	....	....	x--- ---- x--- ---- ----	2	
											1995	08	1995	10 ?	x--- ---- x--- ---- ----	1	
											1998	0704	1998	0704	x--- ---- x--- ---- ----	2	
											1998	1103	....	....	x--- ---- x--- ---- ----	2?	
											1999	03 <	1999	09 >	x--- ---- x--- ---- ----	2	
											2001	0512	2002	0827?	x--- ---- x--- ---- ----	2	
											2004	0622?	2004	1024?	x--- ---- x--- ---- ----	2*	
											2007	0909	2007	0909	x--- ---- x--- ---- ----	1	
											2008	0324	....	....	x--- ---- x--- ---- ----	1	
											2009	0401?	2009	0619?	x--- ---- x--- ---- ----	1	
Kunyit (Sumatra)	2.274 S	101.483 E	2151	3457			D	Stratovolcano	0601-171		Fumarolic						
Hutapanjang (Sumatra)	2.33 S	101.60 E	2021	2357			U	Stratovolcano	0601-172		Holocene						
Sumbing (Sumatra)	2.414 S	101.728 E	2507	1357			AD	Stratovolcano	0601-18=		Historical						
											1909	0603	1909	07	x--- ---- x--- ---- ----	2	
											1921	0523	1921	0603	-x-- ---- x--- ---- ----	2	
Pendan (Sumatra)	2.82 S	102.02 E		3457			U	Unknown	0601-191		Holocene						
Belirang-Beriti (Sumatra)	2.82 S	102.18 E	1958	1257			BA	Compound volc	0601-20=		Fumarolic						
Daun, Bukit (Sumatra)	3.38 S	102.37 E	2467	4567			BA	Stratovolcanoes	0601-21=		Fumarolic						
Kaba (Sumatra)	3.52 S	102.62 E	1952	3567			A	Stratovolcano	0601-22=		Historical						
											1833	1124	1833	1125	x--- ---x x--- ---- xxx-	2	
											1834	11	....	....	x--- ---- x--- ---- -x--	2	
										?	*1838*	....	....	....	---- ---- ---- ---- ----		
											1853	11	....	....	x--- ---- x--- ---- -xx-	2	
		Kaba Baru ? and Kaba Vogelsang									1868	10	1869	....	?x-- ---- x--- ---- ----	2	
		Kaba Volgelsang and Kaba Baru									1873	....	1892	1101p	xx-- ---- x--- ?--- ----	2	
		Kaba Baru									1907	....	....	....	x--- ---- x--- ---- ----	2	
										?	*1918*	*0809*	....	....	x--- ---- --?- ---- ----	*2?*	
		Kaba Baru, Kaba Lama									1939	1119	1941	0314	x--- ---- x-x- ---- ----	2	
		Kaba Vogelsang									1950	03	1951	04	-x-- ---- x--- ---- ----	1*	
											1952	0401	1952	0428	x--- ---- x--- ---- ----	2	
											1956	0322	1956	0328	x--- ---- x--- ---- ----	2	
											2000	0822?	2000	0827?	x--- ---- x--- ---- ----	1	
Dempo (Sumatra)	4.03 S	103.13 E	3173	3457			A	Stratovolcanoes	0601-23=		Historical						
											1817	1231y	....	....	x--- ---- x--- ---- ----	2	
											1839?	....	....	....	x--- ---- x--- ---- ----	2	
											1853	0101	....	....	x--- ---- x--- ---- ----	2	
											1879	0518	....	....	x--- ---- x--- ---- ----	2	
											1880	05	....	....	x--- ---- --x- ---- ----	2	
											1881	0216	....	....	x--- ---- x--- ---- ----	2	
											1881	12	1881	12	x--- ---- x--- ---- ----	2	
											1884	06	1884	07	x--- ---- x--- ---- ----	2	
											1895	0702	1895	0930	x--- ---- x--- ---- ----	2	
											1900	0604	1900	0604	x--- ---- x--- ---- ----	2	
											1900	1026	1900	1027	x--- ---- x--- ---- ----	2	
											1905	....	....	....	x--- ---x --x- ---- ----	0	
											1908	0216	1908	0217	x--- ---- x-?- ---- ----	2	
											1921	04	1921	04	x--- ---x --x- ---- ----	1	
											1923	0519?	1923	0519?	x--- ---x --x- ---- ----	1	
											1926	0422	1926	0424	x--- ---x --x- ---- ----	2	
											1934	0124	1934	0425	x--- ---- x--- ---- -x--	2	
											1936	1126	1936	1127	x--- ---- x--- ---- ----	2	
											1939	0718	1939	0730	x--- ---x x-x- ---- -x--	2	
											1939	1219	1940	0221	x--- ---x x-x- ---- -xx-	2*	
											1940	07	....	....	x--- ---- x--- ---- ----	2	
											1964	0214	1964	0214	x--- ---- x--- ---- ----	2	
											1973	0124	1973	0125	x--- ---- x-x- ---- ----	2	
											1974	0226	1974	1020	x--- ---- x-?- ---- -x--	2	
											1994	10	1994	10	x--- ---x x-x- ---- ----	1	
											2006	0925	2006	0925	x--- ---x --x- ---- ----	1	
											2009	0101	2009	0101	x--- ---- x-x- ---- ----	1?	
Patah (Sumatra)	4.27 S	103.30 E	2817	2357			U	Unknown	0601-231		Fumarolic						

Dempo summit crater (upper L)

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Lumut Balai, Bukit (Sumatra)	4.22 S	103.62 E	2055	2457			A	**Stratovolcano ?**	0601-24=					**Fumarolic**			
Besar (Sumatra)	4.43 S	103.67 E	1899	3457			A	**Stratovolcano ?**	0601-25=					**Historical**			
Marga Bayur (Gemurah Ilahan)										1940	04	....	....		-x-- ---- --x- ---- ----	1	
Ranau (Sumatra)	4.83 S	103.92 E	1881	5556			DA	**Caldera**	0601-251					Holocene?			
										? 1887	*1007*	*?1888*	*0120*		---- ---? ---- ---- ----		
										? 1903	*1209*	*?1903*	*1209*		---- ---? ---- ---- ----		
Sekincau Belirang (Sumatra)	5.12 S	104.32 E	1719	3457			ARD	**Calderas**	0601-26=					**Fumarolic**			
Suoh (Sumatra)	5.25 S	104.27 E	1000	3457			U	**Calderas**	0601-27=					**Historical**			
Pematang Bata										1933	0710	1933	0805		x--- ---- -xx- ---- ----	4	-/8
Hulubelu (Sumatra)	5.35 S	104.60 E	1040	5557			ADB	**Caldera**	0601-28=					**Fumarolic**			
Rajabasa (Sumatra)	5.78 S	105.625 E	1281	4667			A	**Stratovolcano**	0601-29=					**Fumarolic**			
KRAKATAU																	
Krakatau (Indonesia)	6.102 S	105.423 E	813	4447			ADBt	**Caldera**	0602-00=					**Historical**			
										0250t	....	....	....		x--- ---- x--- ---- ----		
										0416	....	....	....		x--- ---- x--x ---- xx-x	C	
										0850t	....	....	....		---- ---- ---- ---- ----		
										0950t	....	....	....		---- ---- ---- ---- ----		
										1050t	....	....	....		---- ---- ---- ---- ----		
										1150t	....	....	....		---- ---- ---- ---- ----		
										1320?	....	....	....		---- ---- ---- ---- ----		
										1530	....	....	....		---- ---- ---- ---- ----		
Perbuwatan										1680	05	1681	1119>		x--- ---- x--- x--- ----	3	-/8
										1684	0201	....	....		x--- ---- x--- ---- ----	3↑	
Krakatau Island (Perbuwatan, Danan)										1883	0520	1883	1021?		x--- x--- xx-x ---- xxxx	6*	-/10
Anak Krakatau										1927	1229	1930	0815		x--x xx-- xxx- ---- ----	2*	
Anak Krakatau										1931	0923	1932	0217		xx-- ---x x--- ---- ----	2	
Anak Krakatau										1932	1114	1934	0609		x--- ---x x--- ---- ----	3*	
Anak Krakatau										1935	0104	1935	0712		x--- x--x x-x- ---- ----	2	
Anak Krakatau										1936	1013	1936	11		x--- ?--- x--- ---- ----	1	
Anak Krakatau										1937	0806	1937	1123		x--- ---x x--- ---- ----	2	
Anak Krakatau										1938	0704	1940	0702		x--- x--x x-x- ---- ----	3*	
Anak Krakatau										1941	0128	1941	0212		x--- ---x x--- ---- ----	2	
Anak Krakatau										1942	0129	1942	0130		x--- ---x x--- ---- ----	2	
Anak Krakatau										1943	....	....	....		x--- ---? ?--- ---- ----	2	
Anak Krakatau										1944	....	....	....		x--- ---? ?--- ---- ----	2	
Anak Krakatau										1945	....	....	....		x--- ---? ?--- ---- ----	2	
Anak Krakatau										1946	0725	1946	0725		x--- ---x x--- ---- ----	1	
Anak Krakatau										1946	1226e	1947	0807>		x--- ---x x--- ---- ----	2	
Anak Krakatau										1949	0512	....	....		x--- ---x x--- ---- ----	2	
Anak Krakatau										1950	0703	1950	0707		x--- ---x x--- ---- ----	2	
Anak Krakatau										1952	1010	1952	1011		x--- ---x x--- ---- ----	2	
Anak Krakatau										1953	0317	1953	0501?		x--- ---x x--- ---- ----	2	
Anak Krakatau										1953	0921	1953	1125		x--- ---x x--- ---- ----	2	
Anak Krakatau										1955	0211	....	....		x--- ---- x--- ---- ----	2	
Anak Krakatau										1958	1002	1959	0625d		x--- ---x x--- ---- ----	2	
Anak Krakatau										1959	12	1963	....		x--- ---x x--- x--- ----	2	6/-
Anak Krakatau										1965?	....	....	....		x--- ---- x-x- ?--- ----	1?	
Anak Krakatau									*?*	*1969*	....	....	....		---- ---- ---- ---- ----	*2?*	
Anak Krakatau										1972	0610c	1973	0701p		xx-- ---- x--- x--- ----	2	6/-
Anak Krakatau										1975	0327	1975	1026e		x--- ---- x--- x--- ----	2	6/-
Anak Krakatau										1978	0710	1978	11		x--- ---- x--- ---- ----	1	-/4
Anak Krakatau										1979	0715e	1979	11		x--- ---- x--- x--- ----	2	4/-
Anak Krakatau										1980	0315e	1980	12		x--- ---- x--- x--- ----	2	5/-
Anak Krakatau										1981	0424	1981	1020		x--- ---- x--- ---- ----	1	
Anak Krakatau (S flank 1960-81 cone)										1988	0214e	1988	04 ?		xx-- ---- x--- x--- ----	2	5/-
Anak Krakatau										1992	1107	1993	10		x--- ---- x--- x--- x---	1	6/-
Anak Krakatau										1994	0319	1995	06 >		x--- ---- x--- ---- ----	2	
Anak Krakatau										1996	07 <	1996	10 >		x--- ---- x--- x--- ----	2	
Anak Krakatau										1997	03 <	1997	05 >		x--- ---- x--- ---- ----	2	
Anak Krakatau										1999	0205	1999	08 >		x--- ---- x--- ---- ----	2	
Anak Krakatau										2000	0529	2000	1030?		x--- ---- x--- ---- ----	1	
Anak Krakatau										2001	0721	2001	0917?		x--- ---- x--- ---- ----	1	
Anak Krakatau										2007	1023	2008	0830?		x--- ---- xx-- x--- ----	2	
Anak Krakatau										2009	0325?	2009	09 ?		x--- ---- x--- x--- ----	2	
JAVA																	
Pulosari (Java-W)	6.342 S	105.975 E	1346	4568			AB	**Stratovolcano**	0603-01=					**Holocene**			
Karang (Java-W)	6.27 S	106.042 E	1778	4578			AB	**Stratovolcano**	0603-02=					Holocene?			
Perbakti-Gagak (Java-W)	6.75 S	106.70 E	1699	4578			ARD	**Stratovolcanoes**	0603-04=					**Historical**			
Kiaraberes										C-6450?	....	....	....		-x-- ---- --x- ---- ----		
Kawah Cibodas										1923	06	....	....		-x-- ---- --x- ---- ----	1	
Cibeureum West										1929	....	....	....		-x-- ---- --x- ---- ----	1	
Kawah Cibodas										1935	0531p	....	....		-x-- ---- --x- ---- ----	1	
Cipanas Parabakti										1936	1026	1936	1028		-x-- ---- --x- ---- ----	1	
Kawah Parabakti										1938	12	....	....		-x-- ---- --x- ---- ----	1	
Kawah Parabakti										1939	0406<	....	....		-x-- ---- --x- ---- ----	1	
Salak (Java-W)	6.72 S	106.73 E	2211	4578			AB	**Stratovolcano**	0603-05=					**Historical**			
Salak 3									*?*	*1699*	*0105*	....	....		x--- ---- ?--- ---- -xx-		
Kawah Ratu										1780	....	....	....		-x-- ---- x--- ---- ----	2	
Kawah Ratu										1902	....	1903	....		-x-- ---- --x- ---- ----	2	
Kawah Ratu										1919	....	....	....		-x-- ---- --x- ---- ----	2	
Kawah Cikaluwung Putri										1935	02	....	....		-x-- ---- --x- ---- ----	2	
Kawah Cikaluwung Putri										1938	0131e	....	....		-x-- ---- --x- ---- ----	2	
Gede (Java-W)	6.78 S	106.98 E	2958	4678			AB	**Stratovolcano**	0603-06=					**Historical**			
										1747	....	1748	....		x--- ---- x--- ?--- ----	3	
										1761	....	....	....		x--- ---- x--- ---- ----	2	
										1832	0829	1832	0829		x--- ---- x--- ---- ----	3	
									?	*1839*	....	....	....		---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Gede (Java-W) *continued*							1840	1112	1840	1211	x--- ---- xx-- ---- -x--	3*	
							1843	0728	....	....	x--- ---- x--- ---- ----	2	
							1845	0123	1845	0305	x--- ---- x--- ---- ----	2	
							1847	1017	1847	1018	x--- ---- x--- ---- ----	2	
							1848	0508	....	....	x--- ---- x--- ---- ----	2	
							1852	0528	1852	0528	x--- ---- x--- ---- -x--	2	
							1853	0314	1853	0314	x--- ---- x--- ---- ----	3?	
							1866	0918	....	....	x--- ---- x--- ---- ----	2	
							1870	08	1870	1003	x--- ---- x--- ---- ----	2	
						?	*1885*	*01*	*?1885*	*02*	x--- ---- x--- ---- ----	*2?*	
							1886	0610	1886	0816	x--- ---- x--- ---- ----	2	
							1887	1022	1887	1022	x--- ---- x--- ---- ----	2	
							1888	....	....	....	x--- ---- x--- ---- ----	2?	
						?	*1889*	*0508<*	....	....	x--- ---- ---- ---- ----	*1*	
							1891	....	....	....	x--- ---- x--- ---- ----	2	
							1899	0501	1899	0514	x--- ---- x--- ---- ----	2	
							1909	0502	1909	0502	x--- ---- x--- ---- ----	1	
		Kawah Ratu?, Kawah Lanang					1947	0902	1948	0128	x--- ---- x-x- ---- ----	2	-/5
		Kawah Leutik (Kawah Ratu)					1948	1115	1949	0205	x--- ---- x--- ---- ----	2	-/5
						?	*1955*	*0721*	*?1955*	*0802*	x--- ---- --x- ---- ----	*1*	
							1956	0428	1956	0428	x--- ---- x--- ---- ----	2?	
							1957	0313	1957	0313	x--- ---- x--- ---- ----	2	
Patuha (Java-W)	7.160 S	107.40 E	2434	5578	A	**Stratovolcano**	**0603-07=**		**Holocene**				
Wayang-Windu (Java-W)	7.208 S	107.63 E	2182	5678	A	**Lava dome**	**0603-08=**		**Fumarolic**				
Malabar (Java-W)	7.13 S	107.65 E	2343	5678	A	**Stratovolcano**	**0603-081**		Holocene?				
Tangkubanparahu (Java-W)	6.77 S	107.60 E	2084	6678	AB	**Stratovolcano**	**0603-09=**		**Historical**				
		(tephra layer YT2)					C-8020t	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer YT3)					C-7500t	....	....	....	x--- ---- x--- ---- ----		
							1826	1011	1826	1011	x--- ---- --?- ---- ----	2	
		Kawah Ratu and Kawah Domas					1829	0401	1829	0404?	x--- ---- x-x- ---- ----	2	
							1842	....	....	....	x--- ---- --?- ---- ----		
		Kawah Ratu B					1846	0527	....	....	x--- ---- x?-- ---- xxx-	2	
		Kawah Baru					1896	0522	1896	0523	x--- ---- x-x- ---- ----	2	
		Kawah Ratu B					1910	0407	1910	05	x--- ---- x-x- ---- ----	2	
		Kawah Ecoma					1926	0301	1926	0709	x--- ---- x-x- ---- ----	1?	
		Kawah Ecoma					1929	0520	1929	0520	x--- ---- --x- ---- ----	0	
		Kawah Ecoma					1952	0704?	1952	0711	x--- ---- x-x- ---- ----	1	
		Kawah Baru					1957	01	1957	01	x--- ---- --x- ---- ----	1	
							1961	0716	1961	0801	x--- ---- --x- ---- ----	1	
							1965	02	1965	03	x--- ---- --x- ---- ----	1	
							1965	10	1965	10	x--- ---- --x- ---- ----	1	
		Kawah Ecoma					1967	07	1967	07	x--- ---- --x- ---- ----	1	
		Kawah Ecoma					1969	0720	1969	1021	x--- ---- x-x- ---- ----	1	
		Kawah Ratu					1983	0914	....	....	x--- ---- x-x- ---- ----	1	
		Kawah Baru				?	*1985*	*1115*	*?1985*	*1115*	x--- ---- --x- ---- ----	*1*	
Papandayan (Java-W)	7.32 S	107.73 E	2665	4678	A	**Stratovolcanoes**	**0603-10=**		**Historical**				
							1772	0812	1772	0812	x--- ---- x-xA ---- xx--	3	
		Kawah Baru, Kawah Nangklak					1923	0311	1925	0309	x--- ---- x-x- ---- x---	1	
							1942	0815	1942	0816	x--- ---- --?- ---- ----	1?	
		Kawah Baru, Kawah Nangklak					2002	1111	2002	1219c	x--- ---- x-x- ---- -xx-	2*	
Kendang (Java-W)	7.23 S	107.72 E	2608	4578	AR	**Stratovolcano**	**0603-11=**		**Holocene**				
Guntur (Java-W)	7.143 S	107.840 E	2249	4678	AB	**Complex volcano**	**0603-13=**		**Historical**				
							1690	....	....	....	x--- ---- x--- ---- xx--	3	
							1777	....	....	....	---- ---- ---- ---- ----	2?	
							1780	....	....	....	x--- ---- x--- x--- ----	2	
							1800	....	....	....	---- ---- ---- x--- ?-?-		
							1803	0403	1803	0415	x--- ---- x--- ---- ----	2	
							1807	0901	1807	0906	x--- ---- x--- ---- ----	2	
							1809	0509	....	....	x--- ---- x--- ---- ----	2	
							1815	0815	....	....	x--- ---- x--- ---- ----	2	
							1816	0921	....	....	x--- ---- x--- ---- ----	2	
							1818	1021	1818	1024	x--- ---- x--- ---- ----	2	
							1825	0614	1825	0615	x--- ---- x--- ---- -x--	2	
							1827	0513	....	....	x--- ---- x--- ---- ----	2	
							1828	0514	1828	0708	x--- ---- x--- ---- ----	2	
							1829	....	....	....	x--- ---- x--- ---- xx--	2	
							1832	0116	....	....	x--- ---- x--- ---- ----	2	
							1832	0808	1832	0813	x--- ---- x--- ---- ----	2	
							1833	0901	....	....	x--- ---- x--- ---- ----	2	
							1834	12	1835	01	x--- ---- x--- ---- -x--	2	
							1836	1011	....	....	x--- ---- x--- ---- ----	2	
							1840	0520	1840	0524	x--- ---- x--- x--- -x--	2	
							1841	1114	1841	1114	x--- ---- x--- ---- -x--	2	
							1843	0104	1843	0104	x--- ---- x--- ---- ----	3	-/6
							1843	1126	1843	1126	x--- ---- x--- ---- -?--	2?	
							1847	1016	1847	1028	x--- ---- x--- ---- ----	2	
		(increased activity; not an eruption)				X	*1849*	....	....	....	---- ---- ---- ---- ----		
						?	*1885*	*0118*	....	....	---- ---- ---- ---- ----		
						?	*1887*	....	....	....	---- ---- ---- ---- ----		
Tampomas (Java-W)	6.77 S	107.95 E	1684	5678	A	**Stratovolcano**	**0603-131**		**Holocene**				
Galunggung (Java-W)	7.25 S	108.058 E	2168	4578	BAr	**Stratovolcano**	**0603-14=**		**Historical**				
							C-2250w	....	....	....	x--- ---- xx-A ---- --x-	5?	
						?	*0850t*	....	....	....	---- ---- ---- ---- ----		
							1822	1008	1822	1201p	x--- ---- xx-- --x- xxx-	5	-/9
							1894	1017	1894	12	x--- ---- xx-- ---- -xx-	3	-/7
		Gunung Jadi					1918	0717	1918	0730	x--- ---- x--- --x- ----	1	7/-
		New crater at Gunung Jadi location					1982	0405	1983	0108	x--- ---- xx-- x--- xxx-	4*	-/8
							1984	0109	1984	0131?	x--- ---- x-x- ---- ----	1	
Talagabodas (Java-W)	7.208 S	108.07 E	2201	4578	BA	**Stratovolcano**	**0603-15=**		**Fumarolic**				
Karaha, Kawah (Java-W)	7.12 S	108.08 E	1155	5678	A	**Fumarole field**	**0603-16=**		**Fumarolic**				
						?	*1861*	*05*	....	....	x--- ---- --?- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank Vent / Flank Fissure / Regional / Submarine / Intracaldera / Subglacial / Crater Lake / Explosive / Effusive / Phreatic / Caldera / Lava Flow / Lava Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Cereme (Java-W)	6.892S	108.40 E	3078	3578			A	**Stratovolcano**	**0603-17=**					**Historical**		
										1698	0203	....	....	?--- ---- x--- ---- xxx-	3	
										1772	0811	1772	0812	x--- ---- x--- ---- ----	2	
										1775	0104	....	....	?--- ---- ?--- ---- ----	2	
										1805	04	....	....	x--- ---- x--- ---- ----	2	
		Floor and north wall of East Crater								1937	0624	1938	0107	x-x- ---- x-x- ---- ----	2	
										1951	0301	1951	0302	---- ---- x--- ---- ----	2?	
Slamet (Java-C)	7.242S	109.208E	3428	3578			BAd	**Stratovolcano**	**0603-18=**					**Historical**		
										1772	0811	1772	0812	x--- ---- x--- ---- ----	2	
										1825	10	....	....	x--- ---- x--- ---- ----	2	
										1835	09	1835	09	x--- ---- x--- ---- ----	2	
										1847	0320	....	....	x--- ---- x--- ---- ----	2	
										1849	1201	....	....	x--- ---- x--- ---- ----	2	
										1860	0319	1860	0411	x--- ---- x--- ---- ----	2	
										1875	0529<	1875	0604d	x--- ---- x--- ---- ----	2	
										1875	1102b	1875	1226e	x--- ---- x--- ---- ----	2	
										1885	0321	1885	0330	x--- ---- x--- ---- ----	2	
										1890	0806	1890	0829	x--- ---- x--- ---- ----	2	
										1904	0714	1904	0809	x--- ---- x--- ---- ----	2	
										1923	0602	1923	0602	x--- ---- x--- ---- ----	2	
										1926	1123a	1926	1130	x--- ---- x--- ---- ----	2	
										1927	0227	1927	0227	x--- ---- x--- ---- ----	2	
										1928	0320	1928	0512	x-x- ---- x--- ---- ----	2	
										1929	0606	1929	0615	x--- ---- x--- ---- ----	2	
										1930	0402	1930	0413	x--- ---- x--- ---- ----	2	
										1932	0701	1932	0910	x--- ---- x--- ---- ----	2	
										1933	0512	1933	0513	x--- ---- x--- ---- ----	1?	
									?	*1934*	....	....	....	---- ---- ---- ---- ----		
										1937	....	....	....	x--- ---- ---- ---- ----		
										1939	0329	1939	0715	x--- ---- x--- ---- ----	2	
										1939	1204	1939	1204	x--- ---- x--- ---- ----	2	
										1940	0315	1940	0415	x--- ---- x--- ---- ----	2	
									?	*1943*	*0318*	....	....	x--- ---- ---- ---- ----		
										1943	1002	1944	0105	x--- ---- x--- ---- ----	2	
										1944	0509	1944	1030	x--- ---- x--- ---- ----	2	
										1948	1114	1948	1215	x--- ---- x--- ---- ----	2	
										1951	0211	....	....	x--- ---- x--- ---- ----	2	
										1951	0626	1952	0101	x--- ---- x--- ---- ----	2	
										1953	08	1953	10	x--- ---- x--- ---- ----	2	
										1955	1112	1955	1220?	x--- ---- x--- ---- ----	2	
										1957	0208	1957	0208	x--- ---- x--- ---- ----	2	
										1958	0417	1958	0507	x--- ---- x--- ---- ----	2	
										1958	0913	1958	1105d	x--- ---- x--- ---- ----	2	
										1960	12	1961	01	x--- ---- x--- ---- ----	2	
										1966	....	....	....	x--- ---- x--- ---- ----	2	
										1967	0507	1967	07	x--- ---- x--- ---- ----	2	
										1969	0623	1969	08	x--- ---- x--- ---- ----	2	
										1973	08	....	....	x--- ---- ---- x--- ----	1?	
									?	*1974*	*0529*	*?1974*	*0529*	x--- ---- ---- ---- ----	*2*	
		(eruption July 12-13, 1988, not 1989)								1988	0712	1988	0713	x--- ---- x--- ---- ----	1	
										1999	0501?	1999	09 ?	x--- ---- x--- ---- ----	1	
									?	*2000*	*07 ?*	*?2000*	*10 ?*	x--- ---- --?- ---- ----	*1?*	
										2009	0421	2009	0622?	x--- ---- x--- ---- ----	1	
Dieng Volc Complex (Java-C)	7.20 S*	109.92 E	2565	7778			AB	**Complex volcano**	**0603-20=**					**Historical**		
		Sikunang							C-6590w	....	....	....	....	x--- ---- ---- x--- ----	0	
		Sikidang-Siterus (Telaga Lumut)							C-0500u	....	....	....	....	---- ---- --x- ---- ----		
									C-0050v	....	....	....	....	x--- ---- ---- x--- ----	0	
									C 1180v	....	....	....	....	x--- ---- --x- ---- ----		
		Pakuwaja								1375u	....	....	....	x--- ---- x--- ---- ----	3↑	
									?	*1766*	....	....	....	---- ---- ---- ---- ----		
		(perhaps confused with 1786 eruption)							?	*1776*	....	....	....	---- ---- --?- ---- ----		
		Butak Petarangan (Butak)								1786	....	....	....	x--- ---- x-x- ---- xx--	2	
		Pakuwaja								1825	....	....	....	x--- ---- x-x- ---- ----	2	
		Pakuwaja								1826	1011	1826	1015	x--- ---- x-x- ---- x---	2	
		Pakuwaja								1847	1204	....	....	x--- ---- x-x- ---- x---	2	
		Sikidang								1883	1226e	1884	0318	---- ---- --x- ---- ----	1*	
		Butak Petarangan (Timbang)								1928	0513	....	....	-x-- ---- --x- ---- xxx-	2	
		Butak Petarangan								1939	1013	1939	1015	-x-x ---- --x- ---- xxx-	1?	
		Sileri								1943	1103	....	....	---- ---- --x- ---- ----	1	
		Sileri								1944	1204	....	....	x--- ---- x-x- ---- xx--	2	
									?	*1952*	*07*	....	....	---- ---- ---- ---- ----	*1?*	
										1953	0324	1953	0325	---- ---- x--- ---- ----	2	
		Candradimuka area								1954	1206	1954	1206	---- ---- --x- ---- ----	0	
		Sileri								1956	0602	1956	0602	---- ---- --x- ---- ----	1	
		Sileri								1964	1213	1964	1213	---- ---- x-x- ---- x---	1	
		Sinila and Sigluduk								1979	0220	1979	0220	-x-- ---- --x- ---- xxx-	1	-/5
		Sikidang								1981	....	....	....	---- ---- --x- ---- ----	1?	
		Sileri								1986	0806	1986	0806	x--- ---x --x- ---- ----	1	
		Near Pandawa Lima temples								1993	0123	1993	0123?	x--- ---- --x- ---- ----	1	
		Near Padangsari crater								1996	1231	1996	1231	x--- ---- --x- ---- ----	1	
		Sileri crater								2003	07	2003	07	x--- ---- --x- ---- ----	1?	
		Sibanteng crater								2009	0115	2009	0115	x--- ---- x-x- ---- ----	1	
		Sileri crater								2009	0927	2009	0927	x--- ---- --x- ---- ----	1	
Sundoro (Java-C)	7.30 S	109.992E	3136	5678			AB	**Stratovolcano**	**0603-21=**					**Historical**		
									C 0230?	....	....	....	....	x--- ---- xx-- ---- ----		
									C 0470?	....	....	....	....	x--- ---- xx-- ---- ----		
										1806?	....	....	....	x--- ---- x--- ---- ----	2	
										1818	....	....	....	x--- ---- x--- ---- ----	2	
		Summit, NW and NE flanks								1882	0401	1882	0407	xx-- ---- x--- x--- ----	2	
										1883	08 ?	....	....	x--- ---- x--- ---- ----	2	
										1887	1113	1887	1114	x--- ---- x--- ---- ----	2	
										1902	0501	1902	0525	x--- ---- --x- ---- ----	1	
		Upper NE and SW flanks (2850-2980 m)								1903	1017	1903	1021?	--x- ---- x--- ---- ----	2	
		Summit crater K5								1906	0922	1906	1220	x-x- ---- x--- ---- ----	2	
										1971	1029	1971	1109	x--- ---- --x- ---- ----	2	

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Slamet summit crater

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spire / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Sumbing (Java-C)	7.384S	110.070 E	3371	5678			ABD	**Stratovolcano**		**0603-22=**					**Historical**			
											1730?	....	....	....		x--- ---- --x- ---- ----	1	
Ungaran (Java-C)	7.18 S	110.33 E	2050	4678			YXB	**Stratovolcano**		**0603-23=**					**Holocene**			
Telomoyo (Java-C)	7.37 S	110.40 E	1894	5678			AB	**Stratovolcano**		**0603-231**					**Holocene**			
Merbabu (Java-C)	7.45 S	110.43 E	3145	5678			BYA	**Stratovolcano**		**0603-24=**					**Historical**			
											1560	....	....	....		---- ---- x--- ---- ----		
									?	*1570*	....	....	....			---- ---- ---- ---- ----		
		(1586 eruption not from Merbabu)							X	*1586*	....	....	....			x--- ---- x--- ---- ----		
											1797	....	....	....		x--- ---- x--- ---- ----	2	
Merapi (Java-C)	7.542S	110.442E	2968	5678			AYbx	**Stratovolcano**		**0603-25=**					**Historical**			
		Old Merapi								G	-8780w	....	....	....		x--- ---- xx-- ---- ----		
										G	-7310y	....	....	....		x--- ---- xx-- ---- ----		
										G	-4690u	....	....	....		x--- ---- xx-- ---- ----		
										G	-2910w	....	....	....		x--- ---- xx-- ---- ----		
										G	-1890	....	....	....		x--- ---- xx-- ---- ----		
										G	-1770u	....	....	....		x--- ---- xx-- ---- ----		
										G	-1410t	....	....	....		x--- ---- xx-- ---- ----		
		(Bakalan Tephra)								C	-1180u	....	....	....		x--- ---- xx-- ---- ----	P	
										G	-1010x	....	....	....		x--- ---- xx-- ---- ----		
										G	-0700w	....	....	....		x--- ---- xx-- ---- ----		
		(Ngrangkah Tephra)								G	-0340z	....	....	....		x--- ---- xx-- --x- ----	3	-/7
		(Tegalsruni Tephra)								G	0020y	....	....	....		x--- ---- xx-- ---- --x-	P	
		(collapse of Old Merapi edifice?)								G	0120u	....	....	....		x--- ---- xx-A ---- ----		
		(New Merapi)								G	0190y	....	....	....		x--- ---- x--- ---- ----		
										G	0280w	....	....	....		x--- ---- xx-- ---- ----		
		(Plalangan Tephra)								G	0410w	....	....	....		x--- ---- xx-- ---- ----	3	-/7
										G	0480u	....	....	....		x--- ---- x--- --x- ----		
										G	0540t	....	....	....		x--- ---- xx-- ---- ----		
										G	0630r	....	....	....		x--- ---- xx-- ---- ----		
										G	0680x	....	....	....		x--- ---- xx-- ---- ----		
										G	0870v	....	....	....		x--- ---- xx-- ---- ----		
		(Selo Tephra)								G	0940v	....	....	....		x--- ---- xx-- --x- ----	3	-/7
		(collapse of Old Merapi ~900 yrs earlier)							X	*1006*	....	....	....			---- ---- ---- ---- ----		
										G	1010q	....	....	....		x--- ---- xx-- ---- ----		
										G	1090v	....	....	....		x--- ---- xx-- ---- -x--		
										G	1140w	....	....	....		x--- ---- xx-- ---- ----		
										G	1190r	....	....	....		x--- ---- xx-- ---- ----		
		(Deles Tephra)								G	1230x	....	....	....		x--- ---- xx-- ---- ----		
										G	1300u	....	....	....		x--- ---- xx-- ---- ----		
		(Sambisari Ash)								G	1380y	....	....	....		x--- ---- xx-- ---- ----		
										G	1440v	....	....	....		x--- ---- xx-- ---- --x-		
		(Sambisari Ash)								G	1480y	....	....	....		x--- ---- xx-- ---- -xx-		
											1548	....	....	....		x--- ---- x?-- ---- ----	3↑	
											1554	....	....	....		x--- ---- x?-- ---- ----	3↑	
											1560	....	....	....		x--- ---- x?-- ---- ----	3↑	
											1584	....	....	....		x--- ---- x--- ---- ----	3↑	
									?	*1586*	....	....	....			---- ---- ---- ---- ----		
											1587	....	....	....		x--- ---- xx-- ---- xxx-	3↑	
											1658	....	....	....		x--- ---- x--- ---- ----	3↑	
											1663	1231y	....	....		x--- ---- x--- ---- ----	3↑	
											1672	0804	....	....		x--- ---- xx-- ---- xxx-	3	
											1677	....	....	....		x--- ---- x--- ---- ----	3↑	
											1678	0819	....	....		x--- ---- x--- ---- ----	3↑	
											1745	....	....	....		x--- ---- x--- ---- ----	2	
											1752	....	....	....		x--- ---- x--- ---- ----	2	
											1755	....	....	....		x--- ---- x--- ---- ----	2	
											1768	0819	....	....		x--- ---- x--- x-x- ----	2?	
											1786	0717	....	....		x--- ---- ---- --x- ----	1?	
											1791<	....	....	....		x--- ---- x--- --x- ----	2	
											1797	....	....	....		x--- ---- ---- --x- ----	1	
											1807	....	....	....		x--- ---- x--- ---- ----	1?	
											1810	....	....	....		x--- ---- ---- --x- ----	1	
											1812	....	1822	....		x--- ---- ---- --x- ----	1	
											1822	1227	1823	0406		x--- ---- xx-- x-x- xxx-	3?	8/7
											1828	1218	1828	1219		x--- ---- x--- ---- ----	2	
											1832	1225	1836	....		x--- ---- xx-- x-x- xxx-	2?	7/7
											1837	0810	1838	06		x--- ---- xx-- x-x- -x--	2?	7/7
											1840	0104	....	....		?--- ---- ?--- ---- ----	1	
											1846	0406	....	....		x--- ---- x--- ---- ----	2	
		Summit and upper SE flank (2600 m)									1846	0902	1847	10		xx-- ---- xx-- x-x- -xx-	3	
									?	*1848*	*0108*	....	....			?--- ---- ?--- ---- ----		
											1849	0426	1849	0426		x--- ---- xx-- ---- ----	2	-/6
											1849	0914	1849	0924		x--- ---- xx-- ---- -x--	3	-/7
									?	*1854*	*09*	....	....			x--- ---- ---- ---- ----		
											1861	....	....	....		x--- ---- x--- ---- ----	2	
											1862	0526	1864	....		x--- ---- xx-- x-x- ----	2*	7/6
											1865	1024	1871	08 ?		x?-- ---- xx-- x-x- -x--	2*	7/7
											1872	0415	1872	0421		x--- ---- xx-- ---- xx--	4	-/8
											1872	1103	1873	01 ?		x--- ---- x--- ---- ----	2	
											1878	....	1879	0620		x--- ---- x--- x--- ----	2	
		East dome									1883	01 ?	1884	11		x--- ---- ---- --x- ----	1	7/-
											1885	0224d	1887	....		x--- ---- ---- --x- ----	1	
											1888	0818	1888	1220		x--- ---- xx-- --x- -xx-	2	
											1889	07	....	....		x--- ---- ---- --x- ----	1	
											1891	0825	1892	....		x--- ---- x--- --x- ----	2?	
											1893	10	....	....		x--- ---- ---- ---- ----	1	
											1894	0127	1894	0202		x--- ---- x--- --x? -x--	2?	-/6
											1894	10	....	....		x--- ---- ---- --?- ----	1?	
											1897	....	....	....		x--- ---- x--- ---- ----	2?	
											1902	0203	1902	0203		x--- ---- x--- ---- ----	1	
											1902	12	1904	0620e		x--- ---- xx-- x-x- xx--	2*	6/6
											1905	01	1905	0601		x--- ---- xx-- x-x- ----	2	-/6
		Summit and upper east flank (2600 m)									1906	0126e	1907	0217		xx-- ---- xx-- x-x- ----	2*	7/6

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km 10 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Merapi (Java-C) *continued*									1908	....	....	....	x--- ---- ---- --x- ----	1?	
West dome									1909	0201	1913	05	x--- ---- xx-- x-x- ----	1*	6/-
									1915	0328	1915	0515	x--- ---- x--- --x- ----	1	
									1918	01	....	....	x--- ---- x--- ---- ----	1	
									1920	0725	1921	02	x--- ---- xx-- --x- xxx-	2	-/6
									1922	0218	1922	0808	x--- ---- x--- --x- --x-	1	6/-
									? *1923*	*09*	?*1923*	*11*	x--- ---- ---- ---- ----		
									1924	0910	1924	0912a	x--- ---- xx-- ---- ----	1	
									1930	1125	1931	09	x-x- ---- xx-- x-x- xxx-	3*	7/6
									1932	11	....	....	x--- ---- x--- x-x- --x-	1	
									1933	1001	1935	04	x--- ---- xx-- x-x- --x-	2*	6/6
									1939	1213	1940	09	x--- ---- xx-- --x- --x-	2*	6/-
									1942	0530	1945	05	x--- ---- xx-- x-x- -xx-	2*	6/6
									1948	0929	1948	12	x--- ---- xx-- x-x- ----	2	6/-
									1953	0302	1958	12	x--- ---- xxx- x-x- xxx-	2*	6/7
									1961	0411	1961	1128	x--- ---- xx-- x-x- xxx-	3*	7/7
Upper Batang breach (2600 m)									1967	0112	1970?	....	xx-- ---- xx-- x-x- xxx-	2*	7/7
									? *1971*	*01*	?*1971*	*0726*	x--- ---- -?-- ---- ----	*1?*	
									1972	1006	1985	03	x--- ---- xx-- x-x- xxx-	2*	7/7
									1986	1010	1990	08 ?	x--- ---- xx-- x-x- --x-	2	6/-
NW of 1984 lava dome									1992	0120	2002	1019?	x--- ---- xx-- --x- xxx-	2*	7/-
									2006	03	2007	0809?	x--- ---- xx-- x-x- xx--	1	6/-
									? *2008*	*0519*	....	....	x--- ---- ?--- ---- ----		
Muria (Java-C)	6.62 S	110.88 E	1625	3478	XTPBA	Stratovolcano	0603-251	Holocene							
East flank (Gunung Bambang)									C-0160y	....	....	....	-x-- ---- xx-- ---- ----		
Lawu (Java-C)	7.625 S	111.192 E	3265	4578	AB	Stratovolcano	0603-26-	Historical							
(1752 eruption was from Kelut volcano)									X *1752*	*0501*	....	....	---- ---- ---- ---- ----		
									1885	1128	1885	1128	---- ---- x--- ---- ----	1	
Wilis (Java-C)	7.808 S	111.758 E	2563	3478	A	Stratovolcano	0603-27-	Holocene							
									? *1641*	....	....	....	---- ---- ---- ---- ----		
Kelut (Java-E)	7.93 S	112.308 E	1731	3578	AB	Stratovolcano	0603-28-	Historical							
									C-0230y	....	....	....	x--- ---- x--- ---- ----		
									1000	....	....	....	x--- ---x x--- ---- -??-	3	
									1311	....	....	....	x--- ---x x--- ---- ???-	3	
									1334	....	....	....	x--- ---x x--- ---- xxx-	3	
									1376	....	....	....	x--- ---x x--- --x- x---	3↑	
									1385	....	....	....	x--- ---x x--- ---- xxx-	3↑	
									1395	....	....	....	x--- ---x x--- ---- -??-	3↑	
									1411	....	....	....	x--- ---x x--- ---- -??-	3↑	
									1450	....	....	....	x--- ---x ---- ---- ----	3↑	
									1451	....	....	....	x--- ---x x--- ---- -??-	3↑	
									1462	....	....	....	x--- ---x x--- ---- -??-	3↑	
									1481	....	....	....	x--- ---x x--- ---- -??-	3↑	
									? *1500?*	....	....	....	---- ---- ---- ---- ----		
									1548	....	....	....	x--- ---x x--- ---- -xx-	3↑	
									1586	....	....	....	x--- ---x x--- ---- xxx-	5?	-/9
									1641	....	....	....	x--- ---x x--- ---- -??-	4?	-/8
									1716	0720	....	....	x--- ---x x--- ---- xxx-	2	
									1752	0501	....	....	x--- ---x x--- ---- -??-	2	
									? *1756*	....	....	....	x--- ---- ---- ---- ----		
									1771	0110	....	....	x--- ---x x--- ---- -??-	2	
									1776	....	....	....	x--- ---x x--- ---- -??-	2	
									1785	....	....	....	x--- ---x x--- ---- -??-	2	
									1811	0605	....	....	x--- ---x x--- ---- -??-	2	
									1825	....	....	....	x--- ---x x--- ---- xxx-	2	
									1826	1011	1826	1025	x--- ---x xx-- ---- xxx-	4?	-/8
									1835	....	....	....	x--- ---x x--- ---- -xx-	2	
									1848	0516	1848	0517	x--- ---x xx-- ---- xxx-	3	
									? *1849*	....	....	....	---- ---- ---- ---- ----		
									1851	0124	....	....	x--- ---x x--- ---- -??-	2	
									1864	0104?	1864	0104?	x--- ---x xx-- ---- xxx-	2	
(breach of crater wall: no eruption)									X *1875*	*0129*	....	....	---- ---- ---- ---- xxx-		
									1901	0522	1901	0523	x--- ---x xx-- ---- xxx-	3	-/6
									1919	0519	1919	0520	x--- ---x xx-- ---- xxx-	4	-/8
									1920	1206	1920	1212	x--- ---x x--- --x- ----	2	5/-
									1951	0831	1951	0831	x--- ---x xx-- ---- xxx-	4	-/8
									1966	0426	1966	0427	x--- ---x xx-- ---- xxx-	4	-/7
									1967	0218	1967	0218	x--- ---- --x- ---- ----	1	
Crater floor at foot of Kelut Peak									1967	1211	1967	1211	x--- ---- --x- ---- ----	1	
									1990	0210	1990	0313q	x--- ---x xxx- --x- xxx-	4	-/8
									2007	10 ?	2008	04 <	x--- ---x x--- --x- ----	2*	7/-
Kawi-Butak (Java-E)	7.92 S	112.45 E	2651	3678	U	Stratovolcanoes	0603-281	Holocene							
Arjuno-Welirang (Java-E)	7.725 S	112.58 E	3339	4578	AB	Stratovolcano	0603-29-	Historical							
NW part of Gunung Welirang (2500 & 2700 m)									1950	1030	....	....	---- ---- x--- ---- ----	2	
NW flank (Kawah Plupuh)									1952	0815e	....	....	-x-- ---- --?- ---- --x-	0	
Gunung Welirang									? *1991*	*0913*	....	....	x--- ---- ?--- ---- ----		
Penanggungan (Java-E)	7.62 S	112.63 E	1653	5678	AYB	Stratovolcano	0603-291	Holocene							
									? *0200?*	....	....	....	---- ---- ---- ---- ----		
Malang Plain (Java-E)	8.02 S*	112.68 E	680	7778	U	Maars	0603-292	Holocene							
Semeru (Java-E)	8.108 S	112.92 E	3676	4478	AB	Stratovolcano	0603-30-	Historical							
									1818	1108	....	....	x--- ---- x--- x--- ----	2	
									1829	02	....	....	x--- ---- x--- ---- ----	2	
									1830	1215	1830	1216	x--- ---- x--- ---- ----	2	
									1832	0418	....	....	x--- ---- x--- ?--- ----	2	
									1836	0803	1836	0805	x--- ---- x--- ---- ----	2	
									1838	07	1838	1018	x--- ---- x--- ---- ----	2	
									1842	01	1842	03	x--- ---- x--- ---- ----	2	
									1844	0925	1844	0927	x--- ---- x--- x--- ----	2	
									1845	01	1845	07	x--- ---- x--- x--- ----	2	
									1848	02	....	....	x--- ---- x--- ---- ----	2	
									1848	0804	....	....	x--- ---- x--- x--- ----	2	
									? *1849*	....	....	....	---- ---- ---- ---- ----		

Dan Dzurisin (USGS/CVO)

Kelut crater lake, 1980

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Semeru (Java-E) *continued*								1851	01	....	....	x--- ---- x--- ---- ----	2	
								1856	0910	....	....	x--- ---- x--- x--- ----	2	
								1857	0813	1857	09	x--- ---- x--- ---- ----	2	
								1860	04	1860	06	x--- ---- x--- ---- -x--	2	
		(eruption probably from Lamongan)					X	*1864*	*0702*	....	....	---- ---- ---- ---- ----		
								1865	0415e	....	....	x--- ---- x--- ?--- ----	2	
							?	*1866*	....	....	....	x--- ---- ?--- ---- ----	*2?*	
								1867	0415e	1867	05	x--- ---- x--- ---- ----	2	
								1872	1023	1872	1023	x--- ---- x--- ---- ----	2	
								1877	04	....	....	x--- ---- x--- ---- ----	2	
								1877	09	....	....	x--- ---- x--- ---- ----	2	
								1878	....	....	....	x--- ---- x--- x--- ----	2	
								1879	....	....	....	x--- ---- x--- ---- ----	2	
								1884	1210?	1885	09	x--- ---- xx-- x--- xxx-	2	
								1886	0125	1886	0826e	x--- ---- x--- ?--- ----	2	
								1887	02	1887	03	x--- ---- x--- ---- ----	2	
								1887	08 ?	1887	1011	x--- ---- x--- x--- ----	2*	
								1888	02	1888	10	x--- ---- xx-- x--- ----	2	
								1889	01	1891	0531>	x--- ---- x--- x--- ----	2*	
								1892	03	1892	04	x--- ---- x--- ---- ----	2	
								1893	01	1893	05	x--- ---- x--- ---- ----	2	
								1893	1211	1894	02	x--- ---- x--- ---- ----	2*	
								1895	0522	1895	1001	x--- ---- xx-- x--- xxx-	2	
								1896	05	1896	06	x--- ---- x--- ---- --x-	2	
								1897	0101	1897	0103	x--- ---- x--- x--- ----	2	
								1898	0223	....	....	x--- ---- x--- x--- ----	2	
								1899	0117	1899	0331?	x--- ---- x--- ---- ----	2	
								1899	0811	....	....	x--- ---- x--- ---- ----	2	
								1899	12	....	....	x--- ---- x--- ---- ----	2	
								1900	0329	1900	0411>	x--- ---- x--- x--- ----	2	
								1901	0129	1901	0130>	x--- ---- x--- ---- ----	2	
								1903	0326	1903	06	x--- ---- x--- ---- ----	2	
								1904	0102	1904	0116	x--- ---- x--- ---- ----	2	
								1905	0804	....	....	x--- ---- x--- ---- ----	2	
								1907	0107	1907	0110	x--- ---- x--- ---- ----	2	
								1907	0709<	....	....	x--- ---- x--- ---- ----	2	
								1908	01	1908	12	x--- ---- x--- ---- ----	2	
								1909	09	1910	0322	x--- ---- xx-- ---- xxx-	2*	
								1910	1116	1911	02	x--- ---- x--- ---- ----	2	
								1911	1108	1911	12	x--- ---- xx-- x--- -xx-	3*	
								1912	0828	....	....	x--- ---- x--- ---- ----	2	
		Jonggring Seloko						1913	0623	1913	0626?	x--- ---- x--- x--- -xx-	2	
								1915a	....	....	....	x--- ---- ?--- ---- --x-	2?	
		ESE flank (1400-1775 m)						1941	0921	1942	02	--x- ---- x--- x--- -x--	2	7/-
		Jonggring Seloko						1945	0612	1945	0618	x--- ---- x--- ---- ----	2	
		Jonggring Seloko						1946	02	1946	05	x--- ---- xxx- ---- xxx-	2	
		Jonggring Seloko						1946	1029	1947	06	x--- ---- xx-- --x- --xx-	2	
		Jonggring Seloko						1950	0723	1964	12	x--- ---- xx-- x-x- -xx-	2*	
		Jonggring Seloko						1967	0831	2010>	....	x--- ---- xxx- x-x- xxx-	3*	
Tengger Caldera (Java-E)	7.942S	112.95 E	2329	5578	YBA	**Stratovolcanoes**		0603-31=		**Historical**				
		Sandsea caldera					C	-5260*	....	....	....	x--- ---- xx-- ---- ----		
		Sandsea caldera					C	-0830t	....	....	....	x--- ---- xx-- ---- ----	P	
		Widodaren					C	0190t	....	....	....	x--- ---- x-x- ---- ----	2	
		Segorowedi					C	0330t	....	....	....	x--- ---- xxx- x--- ----	3?	
		Bromo					C	1590t	....	....	....	x--- ---- x--- ---- ----	2	
		Bromo					?	*1767*	....	....	....	x--- ---- ---- ---- ----		
		Bromo					?	*1775*	....	....	....	x--- ---- ---- ---- ----		
		Bromo						1804	09	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1815	0405	1815	0417>	x--- ---- x--- ---- ----	2	
		Bromo						1820	....	....	....	x--- ---- ?-?- ---- ----	2	
		Bromo						1822	1228	1823	0105d	x--- ---- x--- ---- ----	2	
		Bromo						1825	1105	1825	1108	x--- ---- x--- ---- ----	2	
		Bromo						1829	1105	1829	1111	x--- ---- x--- ---- -x--	2	
		Bromo						1830	0303	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1830	1215	1830	1216	x--- ---- x--- ---- ----	2	
		Bromo						1835	....	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1842	0124	1842	06	x--- ---x x--- ---- ----	2	
		Bromo						1843	01	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1844	1109	....	....	x--- ---- x--- ---- ----	2	
		Bromo					@	1856	0910	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1857	....	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1858	0304	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1858	1018	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1859	0130	1859	0304d	x--- ---- x--- ---- ----	2	
		Bromo						1860	0612	1860	0614	x--- ---- x--- ---- ----	2	
		Bromo						1865	04	1865	05	x--- ---- x--- ---- ----	2	
		Bromo						1865	1201	1865	1218	x--- ---- x--- ---- ----	2	
		Bromo						1866	07	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1867	1213	1868	0112	x--- ---- x--- ---- ----	2	
		Bromo						1877	0424?	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1885	06 ?	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1885	1031	1886	0110	x--- ---- x--- ---- -x--	2	
		Bromo						1886	0415	1886	0426	x--- ---- x--- ---- ----	2	
		Bromo						1886	1111	1887	0125	x--- ---- x--- ---- ----	2	
		Bromo					?	*1888*	*0227*	....	....	x--- ---- --x- ---- ----	*2*	
		Bromo						1890	05	1890	09	x--- ---- x--- ---- ----	2	
		Bromo						1893	0113	1893	0327	x--- ---- x--- ---- ----	2	
		Bromo						1896	....	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1906	0925	1907	0518	x--- ---- x--- ---- ----	2	
		Bromo						1907	0828	....	....	x--- ---- x--- ---- ----	2	
		Bromo						1907	1214	1908	0213	x--- ---- x--- ---- ----	2	
		Bromo						1909	0112	1909	0114	x--- ---- x--- ---- ----	2	
		Bromo						1910	0118	1910	0121	x--- ---- x--- ---- ----	2	
		Bromo						1915	11	1916	06	x--- ---- x--- ---- -x--	3	

Tom Simkin (Smithsonian)

Tengger caldera, Bromo (foreground), Semeru (background)

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10 km	POPL 100 km	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Flank fissure / Regional	Submarine / Subaerial / Subglacial / Crater lake	Explosive / Effusive / Phreatic / Caldera	Lava flow / Lava dome / Dome / Spine	Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Tengger Caldera (Java-E) *continued*		Bromo							1921	06	1921	1017	x---	----	x---	----	----	2	
		Bromo							1922	0205	1922	0620	x---	----	x---	----	----	2	
		Bromo							1928	0315e	1928	07	x---	----	x---	----	----	2	
		Bromo							1928	1216	....	....	x---	----	x---	----	----	2	
		Bromo							1929	0807	1929	0908	x---	----	x---	----	----	2	
		Bromo							1930	0530	1930	07	x---	----	x---	----	----	2	
		Bromo							1935	07	....	....	x---	----	x---	----	----	2	
		Bromo							1939	0624	1939	07	x---	----	x---	----	----	2	
		Bromo							1940	0425	1940	0703>	x---	----	x---	----	----	2	
		Bromo							1948	0215	1948	0425	x---	----	x---	----	-x--	3	
		Bromo							1950	0527	1950	08	x---	----	x---	----	----	2	
		Bromo							1955	1229	1955	1230	x---	----	x---	----	----	2	
		Bromo							1956	06	1956	07 ?	x---	----	x---	----	----	2	
		Bromo							1972	0126	1972	03	x---	----	x---	----	-x--	2	
		Bromo							1980	0605a	1980	0920	x---	----	x-x-	---?	----	2	
		Bromo						?	*1983*	*0415e*	?*1983*	*0628a*	x---	----	--?-	----	----	*1*	
		Bromo							1983	1221	1983	1221	x---	----	x---	----	----	1	
		Bromo							1984	0512	1984	0531	x---	----	x---	----	----	1	
		Bromo							1995	0303	1995	0526e	x---	----	x---	----	----	1	
		Bromo							1995	0909	1995	12	x---	----	x---	----	----	1	
		Bromo							2000	1129	2001	0115>	x---	----	x---	----	----	2	
		Bromo							2004	0608	2004	0624c	x---	----	x-x-	----	x---	2	
Lamongan (Java-E)	7.979S	113.342E	1651	4578		Baxy		**Stratovolcano**	**0603-32=**		**Historical**								
									1799	....	....	....	x---	----	x---	----	----	2	
									1806	05	....	....	x---	----	x---	----	----	2	
									1808	1208	....	....	x---	----	x---	----	----	2	
									1817	....	....	....	x---	----	x---	----	----	2	
									1818	1008	....	....	x---	----	x---	----	----	2	
									1821	1215e	1822	0105	xx--	----	x---	x---	----	2	
									1824	0101?	1824	0131?	x---	----	x---	----	----	2	
									1826	....	....	....	x---	----	x---	----	----	2	
									1829	01	1829	02	x---	----	x---	x---	----	2	
									1830	02	1830	03	x---	----	x---	x---	----	2	
									1838	0704	1838	0706	x---	----	x---	----	----	2	
									1838	1018	....	....	x---	----	x---	----	----	2	
									1841	0716	1842	08	x---	----	x---	----	----	2	
									1843	08	1844	09	x---	----	x---	?---	xx--	2	
									1847	0326	1847	0626	xx--	----	x---	x---	----	2	
									1847	0925	....	....	xx--	----	x---	x---	----	2	
		Summit and north flank							1849	06	1849	09	xx--	----	x---	x---	----	2	
									1856	0301	1856	0614	x---	----	x---	----	----	2	
									1859	0227	1859	03	x---	----	x---	----	-x--	2	
									1861	....	....	....	x---	----	x---	----	----	2	
									1864	0609	1864	07	x---	----	x---	x---	----	2	
		Summit and south slope							1869	0406	1869	0504	xx--	----	x---	x---	-x--	2	
									1869	0912	....	....	x---	----	x---	x---	xx--	2	
									1870	0302	1870	0305	x---	----	x---	----	----	2	
		Summit and SW flank							1870	0818	1871	0205a	xx--	----	x---	----	----	2	
									1872	0815	1872	0918	x---	----	x---	----	----	2	
									1874	0520	1874	0821	x---	----	x---	----	----	2	
									1877	0424?	1877	0512?	xx--	----	x---	x---	-x--	3?	
									1883	0413	1883	0504a	xx--	----	x---	x---	-x--	2	?/-
									1884	0106	1884	0623	x---	----	x---	----	----	2	
									1885	0311	1886	1015e	x---	----	x---	x---	-x--	2	
									1887	0703a	1887	0709	x---	----	x---	----	----	2	
									1887	11	1888	0227	x---	----	x---	----	----	2	
									1888	09	1888	1006	x---	----	x---	----	----	2	
									1889	0907	1889	11	x---	----	x---	----	----	2	
									1890	0323h	1890	05	x---	----	x---	----	----	2	
									1890	0905d	1891	01 >	x---	----	x---	?---	----	2	
									1891	0925e	1891	1005d	x---	----	x---	x---	----	2	
									1893	1118	....	....	x---	----	x---	----	-xx-	2	
									1896	0905	1896	0919>	x---	----	x---	----	----	2	
		SW flank 400 m (Mt. Anyar)							1898	0205	1898	0215	-x--	----	x---	x---	-x--	2	
								?	*1953*	*0404*	?*1953*	*06*	x---	----	----	----	----	*2?*	
Lurus (Java-E)	7.73 S	113.58 E	539	5668		AT		**Complex volcano**	**0603-321**		Holocene?								
Iyang-Argapura (Java-E)	7.97 S	113.57 E	3088	3578		AB		**Complex volcano**	**0603-33=**		**Holocene**								
								?	*1597*	....	....	....	----	----	----	----	----		
Raung (Java-E)	8.125 S	114.042 E	3332	3367		AB		**Stratovolcano**	**0603-34=**		**Historical**								
		(may be same as 1593 eruption)						?	*1586*	....	....	....	x---	---x	x---	----	xx--	*3*	
									1593	....	....	....	x---	---x	x---	----	xx--	5?	-/9
									1597	0117	1597	0202>	x---	---x	x---	----	xx--	3	
									1638	....	....	....	x---	---x	x---	----	xxx-	4?	-/8
									1730	....	....	....	x---	---x	x---	----	xxx-	3?	-/8
									1793f	....	....	....	x---	----	x---	----	----	2	
									1804d	....	....	....	x---	----	x---	----	----	2	
									1812	....	1814?	....	x---	----	x---	----	----	2	
									1815	1231y	....	....	x---	----	x---	----	----	2	
									1817	0116	1817	0210?	x---	---x	x---	----	xxx-	4?	-/8
									1838	....	....	....	x---	---x	x---	----	-xx-	2	
									1849	1201p	....	....	x---	----	----	----	----		
									1859	1214	....	....	x---	----	x---	----	----	2	
									1860	09 <	....	....	x---	----	x---	----	----	2	
									1864	0702	1864	12	x---	----	x---	----	----	2	
									1881	....	....	....	x---	----	?---	----	----		
									1885	0621	1885	0622	x---	----	x---	----	----	2	
									1890	07	1890	0915b	x---	----	x---	----	----	2	
									1896	08	....	....	x---	----	x---	----	----	2	
									1897	04	....	....	x---	----	x---	----	----	2	
									1902	0216	1902	0227>	x---	----	x---	x---	----	2	
									1903	1128	1904	01	x---	----	x---	----	----	2	
									1913	0510	1913	12	x---	----	x---	----	----	2	
									1915	05	....	....	x---	----	x---	----	----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Raung (Java-E) *continued*												1916	11	1916	12	x--- ---- x--- ---- ----	2	
												1917	0222	....	....	x--- ---- x--- ---- ----	2	
		1913 cone										1921	0214d	1921	04	x--- ---- x--- x--- ----	2	
												1924	02 <	....	....	x--- ---- x--- x--- ----	2	
												? *1924*	*0820*	....	....	x--- ---- ---- ---- ----	*2?*	
		Central cone and NW crater wall										1927	0802	1928	03 ?	x--- ---- x--- ---- ----	2	
												1928	11	....	....	x--- ---- x--- ---- ----	2	
												1929	0427r	....	....	x--- ---- x--- ---- ----	2	
												1933	1121	1933	1206	x--- ---- x--- ---- ----	2	
												1936	0822	1936	1211	x--- ---- x--- ---- ----	2	
												1937	1027	1937	1127	x--- ---- x--- ---- ----	2	
												1938	0813	1939	0110>	x--- ---- x--- ---- ----	2	
												1940	....	....	....	? ---- ? ---- ----	2	
												1941	1213	....	....	x--- ---- x--- ---- ----	2	
												1943	0317	1943	0618	x--- ---- x--- ---- ----	2	
												1944	0630	1945	0419	x--- ---- x--- ?--- ----	2	
												1953	0131	1953	0415e	x--- ---- x--- x--- -x--	3	8/-
												1955	0118	1955	0118	x--- ---- x--- ---- ----	2?	
												1956	0213	1956	0325	x--- ---- x--- ---- ----	3*	
												1971	0914	1971	0914	x--- ---- ---x ---- ----	1	
												1973	05	1973	10	x--- ---- x--- ---- ----	1	
												1974	0615	1974	0717?	x--- ---- x--- ---- ----	2	
												1975	03	1975	05	x--- ---- x-x- ---- ----	1	
												1976	0607	1976	1121	x--- ---- x--- ---- ----	2	
												1977	0609	1977	0630	x--- ---- xx-- ---- ----	2	
												1978	01	1979	12 >	x--- ---- x-?- ---- ----	1	
												1982	0718	1982	0720	x--- ---- x--- ---- -x--	3	
												1985	0823	1986	0228	x--- ---- x--- ---- ----	2	
												1987	05	1989	0728c	x--- ---- x--- ---- ----	1	
												1990	0116<	1990	12 >	x--- ---- x--- ---- ----	2	
												1991	0910	1991	1112?	x--- ---- x--- ---- ----	2	
												1993	0401t	....	....	x--- ---- x--- ---- ----	1	
												1994	0714	1994	0714	x--- ---- x--- ---- ----	1	
												1995	03	1995	03	x--- ---- x--- ---- ----	1	
												? *1995*	*0815*	....	....	x--- ---- ?--- ---- ----	*2?*	
												1997	04 <	....	....	x--- ---- x--- ---- ----	2	
												1999	0730	....	....	x--- ---- x--- ---- ----	2	
												2000	0709	....	....	x--- ---- x--- ---- ----	2?	
												2002	06 <	2002	0825>	x--- ---- x--- ---- ----	2	
												? *2004*	*0415?*	?*2004*	*1008?*	x--- ---- ?--- ---- ----	*2?*	
												? *2005*	*0723?*	?*2005*	*0815?*	x--- ---- ?--- ---- ----	*2?*	
												2007	0726	2007	0826	x--- ---- x--- ---- ----	2	
												2008	0612	2008	0617?	x--- ---- x--- ---- ----	2	
Ijen (Java-E)	8.058 S	114.242 E	2799	4467		ABd		**Stratovolcanoes**		**0603-35=**	**Historical**							
		Kawah Ijen								C-0640t		....	....	....	....	x--- ---- xx-- ---- ----		
		Kawah Ijen								1796		....	....	....	....	x--- ---x x--- ---- ---x	2	
		Kawah Ijen								1817		0115	1817	0218?	x--- ---x x--- ---- xxx-		2*	
		Kawah Ijen								1917		0225	1917	0314	x--- ---x --x- ---- ----		1	
		Kawah Ijen								1936		1105	1936	1125	x--- ---x --x- ---- --x-		2	
		Kawah Ijen								1952		0422	1952	0424a	x--- ---x x-x- ---- ----		1	
		Kawah Ijen								1993		0703	1993	0801	x--- ---x --x- ---- ----		1	
		Kawah Ijen								1994		0203	1994	0203	x--- ---x --x- ---- ----		1	
		Kawah Ijen								1999		0628	1999	0628	x--- ---x --x- ---- ----		1?	
		Kawah Ijen								? *2000*		*0901e*	?*2000*	*0910c*	x--- ---- ?-x- ---- ----		*1*	
		Kawah Ijen								? *2002*		*0729*	?*2002*	*0815c*	x--- ---- ?-?- ---- ----		*1*	
Baluran (Java-E)	7.85 S	114.37 E	1247	4567		A		**Stratovolcano**		**0603-351**	Holocene?							

LESSER SUNDA ISLANDS

Bratan (Bali)	8.28 S	115.13 E	2276	6667		AB		**Caldera**		**0604-001**	**Holocene**							
Batur (Bali)	8.242 S	115.375 E	1717	6667		ADYB		**Caldera**		**0604-01=**	**Historical**							
		Batur I								1804		....	....	....	....	x--- ---- x--- ---- ----	2	
		Batur I								1821	0316	....	....	....	....	x--- ---- x--- ---- ----	2	
										? *1847*		....	....	....	....	---- ---- ---- ---- ----		
										1849		....	....	....	....	x--- ---- x--- x--- ----	2	
		Batur I								1854	0428	....	....	....	....	x--- ---- x--- ---- ----	1?	
		SE flank of Batur I								1888	0530	1888	0531	x-x- ---- x--- x--- ----	2			
		Batur I								1897		....	....	....	....	x--- ---- x--- ---- ----	2	
		West caldera floor (Gunung Anti)								1904		....	....	....	....	-x-- ---- x--- x--- ----	2	
		Batur I, Batur II, Batur III								1905		....	....	....	....	xx-- ---- x--- x--- -x--	2	
		SW flank (Batur II)								1921	0129	1921	0417	x--- ---- x--- x--- ----	2	
										1922	0830	....	....	....	....	x--- ---- x--- ---- ----	2	
		Batur II								1923		....	....	....	....	x--- ---- x--- ---- ----	2	
		Batur II								1924	03	1924	03 ?	x--- ---- x--- ---- ----	2	
		Batur II								1925	0105d	1925	0105d	x--- ---- x--- ---- ----	2	
		SW flank below Batur III								1926	0802	1926	0921	-xx- ---- x--- xx-- -x--	2	7/6		
		SW, W flanks (near Batur III, Butus)								1963	0905	1964	0510	-xx- ---- x--- x--- -x--	2	7/5		
		SW flank (near Batur III)								1965	0818	1965	12	-x-- ---- x--- ?--- -x--	1			
		SW flank (west of 1965 vent)								1966	0428	....	....	-x-- ---- x--- ---- ----	1			
		SW flank (Batur III)								1968	0123	1968	0215	-x-- ---- x--- x--- ----	2	6/-		
		SW flank (1963 vent)								1970	0105d	1970	0115	-x-- ---- x--- ---- ----	1			
										1971	0311	1971	0825>	x--- ---- x--- ---- ----	1			
		Batur III								1972	0119	1972	03	x--- ---- x--- ---- ----	2			
										1973		....	....	....	....	---- ---- ---- ---- ----		
		Batur III								1974	0312	1974	04	x--- ---- x--- x--- ----	2			
										? *1976*	*0326*	?*1976*	*0326*	---- ---- --?- ---- ----	*1?*			
		Batur III								1994	0807	1994	0814>	x--- ---- x--- ?--- ----	1			
										1998	0704c	....	....	---- ---- x--- ---- ----	1			
										1999	0315	2000	06 ?	x--- ---- x--- ---- ----	1			
Agung (Bali)	8.342 S	115.508 E	3142	4567		A		**Stratovolcano**		**0604-02=**	**Historical**							
										1808		....	....	....	....	x--- ---- x--- ---- ----	2	
										? *1821*	*0316*	....	....	....	....	x--- ---- x--- ---- ----	*2*	
										1843		....	....	....	....	x--- ---- x--- ---- ----	2	
										1963	0218	1964	0127	x--- ---- xx-- x--- xxx-	5*	8/9		

Lee Siebert (Smithsonian)

Raung volcano (upper L) beyond peaks of Ijen caldera

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Rinjani (Lombok I)	8.42 S	116.47 E	3726	5577			ABXDr	**Stratovolcano**	0604-03=					**Historical**			
Gunung Barujari										1847	0910	1847	0912	x--- ---- x--- ---- ----	2	
Gunung Barujari										1884	0808	1884	0810a	x--- ---- x--- ---- ----	2	
Gunung Barujari										1900	1130	1900	1202	x--- ---- x--- x--- ----	2	
Gunung Barujari										1901	0601	1901	0602	x--- ---- x--- ---- ----	2	
Gunung Barujari										1906	0429	....	....	x--- ---- x--- ---- ----	1?	
Gunung Barujari										1909	1130	1909	1202	x--- ---- x--- ---- --x-	2	
Gunung Barujari (Segara Munjar)										1915	1104	....	....	x--- ---- x--- ---- ----	2	
Rinjani summit									?	*1941*	*0530*	....	....	x--- ---- ---- ---- ----		
NW flank of Barujari (Rombongan)										1944	1225	1945	0101?	xx-- ---x x--- x-x- -x--	2	7/-
NW flank of Gunung Barujari										1949	....	1950	....	xx-- ---- ---- x--- ----	0	
Gunung Barujari										1953	1015q	....	....	x--- ---- ---- ---- ----	0?	
Gunung Barujari										1966	09	....	....	-x-- ---- ---- ?--- ----	0	
East side of Barujari (2250 m)										1966	0328	1966	0808	x--- ---- x--- x--- ----	1	6/4
Gunung Barujari										1994	0603	1994	1121	x--- ---- xx-- x--- x-x-	3?	
									?	*1995*	*0912*	....	....	---- ---- ?--- ---- ----		
Summit and NE flank of Barujari										2004	1001	2004	1005>	xx-- ---- x--- ---- ----	2	
NE flank of Gunung Barujari										2009	0502	2009	1220?	xx-- ---- x--- x--- ----	2	
Tambora (Sumbawa I)	8.25 S	118.00 E	2850	4557			XYba	**Stratovolcano**	0604-04=					**Historical**			
										C-3910x	....	....	....	x--- ---- xx-- ---- ----		
										C-3050?	....	....	....	x--- ---- xx-- ---- ----		
										C 0740w	....	....	....	x--- ---- x--- ---- ----		
										1812	....	1815	0715?	x--- ---- xx-x ---- xx-x	7*	-/11
										1819	08	....	....	x--- ---- x--- ---- ----	2	
SW part of caldera (Doro Afi Toi)										1880r	....	....	....	x--- ---- x--- x-x- ----	2	
NE part of caldera floor										1957p	....	....	....	x--- ---- ---- x--- ----	0	
Sangeang Api (Lesser Sunda Is)	8.20 S	119.07 E	1949	3456			XYb	**Complex volcano**	0604-05=					**Historical**			
										1512	....	....	....	x--- ---- x--- ---- ----	3↑	
										1715	....	....	....	x--- ---- x--- ---- ----	2	
										1821	0323	....	....	x--- ---- x--- ---- ----	2	
										1860	0911	1860	10	x--- ---- x--- ---- ----	2	
Doro Api										1911	0213	1911	0302	x--- ---- x--- x--- ----	2	
										1912	04	....	....	x--- ---- x--- ---- ----	2	
										1927	....	....	....	x--- ---- x--- ---- ----	2	
Doro Api										1953	0319	1953	0515>	x--- ---- x--- x--- --x-	3	
										1954	0426	....	....	x--- ---- x--- ---- ----	2	
										1954	1104	....	....	x--- ---- x--- ---- ----	2	
										1955	....	....	....	x--- ---- --x- ---- ----	1	
										1956	12	....	....	x--- ---- --x- ---- ----	1	
										1957	....	....	....	x--- ---- --x- ---- ----	1	
										1958	....	....	....	x--- ---- x--- ---- ----	1?	
Doro Api										1964	0129	1965	1201p	x--- ---- x--- x-x- ----	2	6/-
										1966	0228	1966	11	x--- ---- x--- ---- ----	2	
Doro Api										1985	0730	1988	02	x--- ---- xx-- x--- --x-	3*	7/-
										1997	....	1999	....	x--- ---- x--- x-x- ----	2?	
									?	*2009*	*0501*	*?2009*	*0603*	x--- ---- ---- ---- ----		
Sano, Wai (Flores I)	8.72 S	120.02 E	903	6666			D	**Caldera**	0604-06=					**Holocene**			
Poco Leok (Flores I)	8.68 S	120.48 E	1675	3566			AD	**Stratovolcano**	0604-07=					**Fumarolic**			
Ranakah (Flores I)	8.62 S	120.52 E	2350	4566			AD	**Lava domes**	0604-071					**Historical**			
Anak Ranakah										1987	1228	1989	04 >	-x-- ---- xx-- x--x ----	3*	7/6
Anak Ranakah										1991	03 <	....	....	x--- ---- x--- ---- ----	1	
Inierie (Flores I)	8.875 S	120.95 E	2245	4466			AB	**Stratovolcano**	0604-08=					**Radiocarbon**			
NE side (Wolo Bobo)										C-8050?	....	....	....	-x-- ---- x--- ---- ----		
Inielika (Flores I)	8.73 S	120.98 E	1559	4566			A	**Complex volcano**	0604-09=					**Historical**			
										1905	11	1905	11	x--- ---- x-x- ---- -x--	2	
Summit crater complex										2001	0111	2001	03 ?	x-x- ---- x-x- ---- ----	2	
Ebulobo (Flores I)	8.82 S	121.18 E	2124	4566			AB	**Stratovolcano**	0604-10=					**Historical**			
										1830	....	....	....	x--- ---- x--- x--- ----	2	
										1888	....	....	....	x--- ---- x--- ---- ----	2	
										1910	0410	....	....	x--- ---- x--- ---- ----	2	
										1924	11	....	....	x--- ---- xx-- ---- ----	2	
										1938	05	1938	06	---- ---- ---- ---- ----		
										1941	0823h	....	....	x--- ---- ---- x--- ----	0?	
										1969	0227	....	....	x--- ---- x--- ---- ----	2?	
Iya (Flores I)	8.897 S	121.645 E	637	5556			BA	**Stratovolcano**	0604-11=					**Historical**			
									?	*1559*	....	....	....	---- ---- ---- ---- ----		
										1671?	....	....	....	x--- ---- x--- ---- ----	3↑	
										1844	05	....	....	x--- ---- x--- ---- ----	2	
										1867	01	....	....	x--- ---- x--- ---- ----	2	
										1868	0504	....	....	x--- ---- x--- ---- ----	2	
										1871	0901	....	....	x--- ---- x--- ---- ----	2	
										1882	....	....	....	x--- ---- x--- ---- ----	2	
									?	*1888*	*12*	....	....	---- ---- ---- ---- ----		
										1953	0904	1953	0905	---- ---- x--- ---- ----	2?	
Crater II (upper SW flank)										1969	0127	1969	0130	-x-- ---- xx-- ---- xx--	3	
									?	*1971*	*06*	*?1971*	*06*	x--- ---- --?- ---- ----	*1*	
Sukaria Caldera (Flores I)	8.792 S	121.77 E	1500	5556			U	**Caldera**	0604-12=					**Fumarolic**			
Ndete Napu (Flores I)	8.72 S	121.78 E	750	4566			U	**Fumarole field**	0604-13=					**Fumarolic**			
Kelimutu (Flores I)	8.77 S	121.82 E	1639	3466			AB	**Complex volcano**	0604-14=					**Historical**			
										1865e	....	....	....	---- ---- --?- ---- ----	2	
										1938	05	1938	06	---- ---- --x- ---- ----	2	
Tiwu Nua Muri										1968	0603	1968	0729	x--- ---x x-x- ---- ----	1	
Paluweh (Lesser Sunda Is)	8.32 S	121.708 E	875	3346			AB	**Stratovolcano**	0604-15=					**Historical**			
										1650t	....	....	....	x--- ---- x--- ---- ----	3	
									?	*1831*	....	....	....	---- ---- ---- ---- ----		
Rokatenda										1928	0804	1928	0925	x--- ---- x--- --x- xx-x	3	6/7
Rokatenda (1928 crater)										1963	1231	1966	0316	x--- ---- xx-- x-x- xx--	2*	7/-
Rokatenda										1972	1022	1973	0116	x--- ---- x--- ---- -x--	3*	
										1973	1027	1973	1028	x--- ---- x--- ---- ----	2	
Rokatenda										1980	1105	1981	09	x--- ---- xx-- --x- -x--	2	6/-
Rokatenda (west side of lava dome)										1984	0509	1984	0521	x--- ---- x--- ---- ----	2	
Rokatenda (west side of lava dome)										1985	0203	1985	0203	x--- ---- x--- ---- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	— Start — Year	M-Dy	— Stop — Year	M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Egon (Flores I)	8.67 S	122.45 E	1703	3566			A	**Stratovolcano**	**0604-16=**						**Historical**		
										?	*1888*	....	*?1892*	....	x--- ---- ---- ---- ----	2	
		(confused with 1907 Lewotobi eruption)								X	*1907*	*0928*	....	....	---- ---- ---- ---- ----		
											2004	0129	2004	0205?	x--- ---- x--- ---- x---	1	
											2004	0703	2004	0916?	x--- ---- x--- ---- ----	2*	
		Summit and southern flank									2005	0206	2005	0227	x-x- ---- x--- ---- ----	1	
											2008	0415	2008	0428?	x--- ---- x-x- ---- ----	2	
Ilimuda (Flores I)	8.478 S	122.671 E	1100	5566			A	**Stratovolcano**	**0604-17=**						**Fumarolic**		
Lewotobi (Flores I)	8.542 S	122.775 E	1703	5566			A	**Stratovolcanoes**	**0604-18=**						**Historical**		
		Lewotobi Lakilaki									1675q	....	....	....	x--- ---- x--- x--- ----	3↑	
		Lewotobi Lakilaki								?	*1859*	*07*	....	....	---- ---- ---- ---- ----		
		Lewotobi Lakilaki									1861	0504	1861	0518	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1865	0504	....	....	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1868	0713<	....	....	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1868	1215	....	....	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1869	0707	1869	0727	x--- ---- x--- ---- xx--	2	
		Lewotobi Lakilaki									1889	....	....	....	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1907	0928	1907	1030	x--- ---- x--- x--- xx--	3	
		Lewotobi Lakilaki									1909	0108	1910	0526	x--- ---- x--- x--- ----	2	
		Lewotobi Lakilaki									1914	0629	....	....	x--- ---- x--- x--- ----	2	
		Lewotobi Perempuan									1921	0101	1921	1220	x--- ---- x--- --x- ----	2	5/-
		Lewotobi Lakilaki									1932	0523	1933	1226e	x--- ---- xx-- x-xx ----	3	5/-
		Lewetobi Perempuan									1935	12	1935	1225>	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1939	1217	1940	0421	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1968	1128	1969	0202	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1970	....	....	....	x--- ---- x--- ---- ----	2	
		Lewotobi Lakilaki									1971	01	....	....	x--- ---- x--- ---- ----	2	
		Lewotabi Lakilaki									1990	0128	1990	06	x--- ---- x--- ---- ----	1	
		Lewotobi Lakilaki									1991	0511	1992	1231>	x--- ---- x--- ---- ----	1	
		Lewotobi Lakilaki									1999	0331	1999	0701?	x--- ---- x--- ---- ----	2*	
		Lewotobi Lakilaki									2002	1012	2002	1012?	x--- ---- x--- ---- ----	1	
		Lewotobi Lakilaki									2003	0530	2003	0901>	x--- ---- x--- ---- -x--	2*	
Leroboleng (Flores I)	8.358 S	122.842 E	1117	4566			A	**Complex volcano**	**0604-20=**						**Historical**		
		Burak (Kawah XXIV)									1873	....	....	....	x--- ---- x--- ---- ----	2	
		Burak (Kawah XXVI)									1876	....	....	....	x--- ---- x--- ---- ----	2	
		Burak (Kawah XXVII)									1881	0316	....	....	x--- ---- x--- ---- ----	2	
											2003	0626	2003	0729	x--- ---- x--- ---- ----	3*	
Iliboleng (Adonara I)	8.342 S	123.258 E	1659	5566			BA	**Stratovolcano**	**0604-22=**						**Historical**		
											1885	09	1885	10	x--- ---- x--- ---- ----	2	
											1888	....	....	....	x--- ---- x--- x--- ----	2	
											1904	....	....	....	x--- ---- x--- x--- ----	2	
											1909	1109	....	....	x--- ---- x--- ---- ----	2	
											1925	....	....	....	x--- ---- x--- ---- ----	2	
											1927	....	....	....	x--- ---- ?--- ---- ----	2	
											1944	08	1944	10	x--- ---- x--- ---- ----	2	
											1948	0429	....	....	x--- ---- x--- ---- ----	2	
											1949	0204	....	....	x--- ---- x--- ---- ----	2	
											1949	0612	....	....	x--- ---- x--- ---- ----	2	
											1950	03	1950	08 ?	x--- ---- x--- ---- ----	2	
											1951	....	....	....	---- ---- x--- ---- ----	2?	
											1973	04	1974	04	x--- ---- x--- ---- -x--	2	
											1982	1117	1982	1117	x--- ---- x--- ---- ----	2	
											1983	0511	1984	0413	x--- ---- x--- ---- ----	2*	
											1986	0528	1986	1124	x--- ---- x--- ---- ----	1	
											1987	1002	1987	1002	x--- ---- x--- ---- ----	2	
											1991	0508	1991	0630>	---- ---- x--- ---- ----	1	
											1991	1103	1991	1115	x--- ---- x--- ---- ----	1	
											1993	06 ?	1993	07	x--- ---- x--- ---- ----	1?	
Lewotolo (Lembata I)	8.272 S	123.505 E	1423	4566			AYB	**Stratovolcano**	**0604-23=**						**Historical**		
											1660	....	....	....	x--- ---- x--- ---- ----	3↑	
											1819	....	....	....	x--- ---- x--- ---- ----	2	
											1849	1006			x--- ---- x--- ---- ----	2	
		K2 crater									1852	1005	1852	1006	x--- ---- x--- ---- -x--	2	
											1864	....	....	....	x--- ---- x--- ---- ----	2	
											1899	0602	....	....	x--- ---- x--- ---- ----	2	
											1920	....	....	....	x--- ---- x--- ---- ----	2	
											1951	1215	....	....	---- ---- ---- ---- ----	2	
Ililabalekan (Lembata I)	8.55 S	123.38 E	1018	4566			BA	**Stratovolcano**	**0604-24=**						**Fumarolic**		
Iliwerung (Lembata I)	8.53 S	123.57 E	1018	3456			BA	**Complex volcano**	**0604-25=**						**Historical**		
		Iliwerung (Iliadowajo)									1870	....	....	....	x--- ---- x--- --x- x---	3	
		Iliwerung									1910	....	....	....	x--- ---- ?--- ---- ----	2	
		Iliwerung									1928	....	....	....	x--- ---- x--- --x- ----	2	7/-
										?	*1941*	*0605*	....	....	---- ---- ---- ---- ----		
		East flank (Iligripe)									1948	0407	1948	1126	xxx- ---- xx-- --x- xx--	2	6/6
											1949	0409	1949	0429	x--- ---- xx-- ---- ----	2	
											1950	0910	1950	1002	x--- ---- xx-- x--- -x--	2	
											1951	1112	1951	1116	x--- ---- xx-- ---- -x--	2	
											1952	0324	....	....	x--- ---- x--- ---- ----	1	
		Hobal (submarine vent on SE flank)									1973	1205	1974	0822	-x-- xx-- x--- ---- x--x	2*	
		Hobal (submarine vent on SE flank)								?	*1976*	*0308*	....	....	-x-- ?--- ---- ---- ---x	*0*	
		Hobal (submarine vent on SE flank)									1983	0817	1983	0818	-x-- x--- x--- ---- x--x	1	
		Hobal (submarine vent on SE flank)									1993	0915	1993	0919	-x-- x--- x--- ---- ----	2	
		Hobal (submarine vent on SE flank)									1999	0522	1999	09 >	-x-- x--- x--- ---- ----	0	
Tara, Batu (Komba I)	7.792 S	123.579 E	748	3336			XY	**Stratovolcano**	**0604-26=**						**Historical**		
											1847	....	1852	0831>	x--- ---- x--- x--- ----	2	
										?	*2006*	*0701*	*?2006*	*0701*	x--- ---- ?--- ---- ----	*1?*	
											2007	0117?	2010>	....	x--- ---- x--- x--- ----	2	
Sirung (Pantar I)	8.508 S	124.13 E	862	4556			AB	**Complex volcano**	**0604-27=**						**Historical**		
										?	*1852*	....	....	....	x--- ---- ---?- ---- ----	2	
										?	*1899*	*03*	*?1899*	*04*	x--- ---- ---?- ---- ----	2	
										?	*1927*	....	....	....	x--- ---- ---?- ---- ----	2	
											1934	0614	1934	0715e	x--- ---- x-x- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE / NUMBER / STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreat'c / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Sirung (Pantar I) *continued*									1947	04	1947	05	x--- ---- --x- ---- ----	2	
									1953	06	....	....	---- ---- ---- ---- xx--		
									1960	0313	....	....	---- ---- ---- ---- ----	2?	
									1964	0208	1964	1005>	x--- ---x x-x- ---- ----	1	
									1965	0507	1965	0518	x--- ---- x-x- ---- ----	1	
									1965	1102	1965	1102	x--- ---- x-?- ---- ----	1	
									1970	....	....	....	---- ---- ---- ---- ----	2?	
Yersey (Wetar I)	7.53 S	123.95 E	-3800	0006			U	Submarine volc ?	0604-28=		Uncertain				
BANDA SEA															
Emperor of China (Banda Sea)	6.62 S	124.22 E	-2850	0005			U	Submarine volc ?	0605-01=		Uncertain				
								? *1893*<	....	....	....		---- ?--- ?--- ---- ----	*1?*	
								? *1927*	*0301*p	....	....		---- ?--- ?--- ---- ----	*2*	
Nieuwerkerk (Banda Sea)	6.60 S	124.675 E	-2285	0004			U	Submarine volc ?	0605-02=		Uncertain				
								? *1893*<	....	....	....		---- ?--- ?--- ---- ----	*1?*	
								? *1925*	*0924*	....	....		---- ?--- ?--- ---- ----	*2*	
								? *1927*	*0301*p	....	....		---- ?--- ?--- ---- ----	*2*	
Gunungapi Wetar (Banda Sea)	6.642 S	126.65 E	282	1111			A	Stratovolcano	0605-03=		Historical				
								1512	....	....	....		x--- ---- ?--- ?--- ----	3↑	
								1699	....	....	....		x--- ---- x--- ---- ----	3↑	
Wurlali (Damar I)	7.125 S	128.675 E	868	3333			Ab	Stratovolcano	0605-04=		Historical				
								1892	0603	1892	0605		x--- ---- x--- ---- ----	2	
Teon (Banda Sea)	6.92 S	129.125 E	655	2334			A	Stratovolcano	0605-05=		Historical				
								1659	1111	....	....		?--- ---- ?--- ---- ----	3↑	
								1660	02	....	....		x--- ---- xx-- ---- xx--	4?	-/8
								1663	0118	....	....		x--- ---- x--- ---- ----	3↑	
								1693	....	....	....		x--- ---- x--- ---- ----	3↑	
								1904	0603	....	....		x--- ---- x--- ---- ----	2	
Nila (Banda Sea)	6.73 S	129.50 E	781	3334			Ab	Stratovolcano	0605-06=		Historical				
								1903	1208	....	....		x--- ---- --x- ---- ----	2	
		SE flank						1932	0313	....	....		x-x- ---- x-x- ---- ----	2	
								1964	03	1964	03		---- ---- --?- ---- ----	1?	
		East flank						1968	0507	1968	06		-x-x ---- --x- ---- ----	1	
Serua (Banda Sea)	6.30 S	130.00 E	641	2223			A	Stratovolcano	0605-07=		Historical				
								1683	....	....	....		x--- ---- x--- ---- ----	3↑	
								1687	0615	....	....		x--- ---- x--- ---- ----	3↑	
		(perhaps same as 1693 eruption)						? *1692*	*0604*?	....	....		?--- ---- ?--- ---- ----		
								1693	0604	1693	07		x--- ---- x--- xx-- xx--	4?	-/8
								1694	....	....	....		x--- ---- x--- ---- ----	3↑	
								1844	08	1844	09		x--- ---- x--- x--- ----	2	
								? *1845*	....	....	....		?--- ---- ?--- ---- ----	*2*	
								1846	09 ?	....	....		?--- ---- ?--- ---- ----	2	
								1858	....	....	....		x--- ---- x--- ---- -x--	2	
								1859	....	....	....		x--- ---- x--- ?--- ----	2	
								1919	11	....	....		x--- ---- x--- ?--- ----	2	
		Summit and south flank						1921	0918	....	....		xx-- ---- x--- ?--- ----	2	
Manuk (Banda Sea)	5.53 S	130.292 E	282	0002			A	Stratovolcano	0605-08=		Fumarolic				
Banda Api (Banda Sea)	4.525 S	129.871 E	640	4444			DAB	Caldera	0605-09=		Historical				
								1586	0417	....	....		x--- ---- x--- ---- ----	3↑	
								1598	....	1602	....		x--- ---- x--- ---- xx--	3	
								1609	....	....	....		x--- ---- x--- ---- ----	3↑	
								? *1614*	....	....	....		---- ---- ---- ---- ----		
								1615	0316	1615	04 ?		x--- ---- x--- ---- xx--	3	
								1632	1216	....	....		x--- ---- x--- ---- ----	3↑	
								1635	1118	....	....		x--- ---- x--- ---- ----	1?	
								1683	....	....	....		x-x- ---- x--- ---- ----	3	
								1690	....	1696	0522		x--- ---- x--- ---- x---	3↑	
								1712	05	1712	12		x--- ---- x--- ---- ----	2	
								1722	....	....	....		x--- ---- x--- ---- ----	2	
								1749	....	....	....		x--- ---- x--- ---- ----	2	
								1762	....	....	....		x--- ---- x--- ---- ----	2	
								1765	0419	1766	10		x--- ---- x--- ---- ----	2	
								1773	0206	....	....		x--- ---- x--- ---- ----	2	
								1775	....	....	....		?--- ---- ?--- ---- ----	2	
								1778	....	....	....		?--- ---- ?--- ---- ----	2	
								1816	1011	1816	12		x--- ---- x--- ---- ----	2	
		Summit, south and NNW flanks						1820	0611	1820	0808		x-x- ---- x--- x--- xx--	2	
		North side						1824	0422	1824	0628		xx-- ---- x--- x--- ----	2	
								1825?	....	1831	....		x--- ---- x--- ---- ----	1	
								? *1835*	*10*	....	....		---- ---- ---- ---- ----		
								? *1855*	*1229*	?*1855*	*1230*		---- ---- ---- ---- ----		
								1890	1123	1890	1123		x--- ---- x--- ---- ----	2	
		Summit and north flank						1901	0518	....	....		xx-- ---- x--- x--- -x--	2	
								? *1902*	*0320*	....	....		x--- ---- ---- ---- ----		
		Summit, north and south flanks						1988	0509	1988	0517		xxx- x--- xxx- x--- xxx-	3?	6/-

Tom Casadevall (USGS)

1988 fissure vents and lava flow

SULAWESI															
Colo [Una Una] (Sulawesi)	0.17 S	121.608 E	507	4446			YT	Stratovolcano	0606-01=		Historical				
		Gunung Colo						1898	0502	1900?	....		x--- ---? x--- ---- -xx-	3?	-/7
		Gunung Colo						1938j	....	....	....		x--- ---- --x- ---- ----	1	
		Gunung Colo						1983	0718	1983	12		x--- ---- xxx- ---- -x--	4*	
Ambang (Sulawesi)	0.75 N	124.42 E	1795	4567			A	Complex volcano	0606-02=		Historical				
								1845e	....	....	....		---- ---- ---- ---- ----		
Soputan (Sulawesi)	1.108 N	124.73 E	1784	4567			AB	Stratovolcano	0606-03=		Historical				
								1450j	....	....	....		---- ---- x--- ---- ----	3↑	
								1785	1231y	....	....		x--- ---- x--- ---- ----	2	
								1819	....	....	....		x--- ---- x--- ---- ----	2	
								1833?	....	....	....		x--- ---- x--- ---- ----	2	
								1845	0208	....	....		x--- ---- x--- ---- ---x	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	Area of Activity	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Soputan (Sulawesi) *continued*												1890	....	....	....	?--- ---- ?--- ---- ----	2	
												1901	0204	....	....	-x-- ---- x-x- ---- ----	2	
			NE flank (Aeseput)									1906	0617	1906	09	-x-- ---- x--- x--- ----	2	
			NE flank (Aeseput)									1907	0605	1907	0625?	-x-- ---- x--- ---- ----	2	
			NE flank (Aeseput)									1908	06	1909	06	-x-- ---- x--- x--- ----	2	
			NE flank (Aeseput)									1910	1115q	....	....	-x-- ---- x--- x--- ----	2	
			NE flank (Aeseput)									1911	11	1912	04	-x-- ---- x--- x--- ----	2	
			NE flank (Aeseput)									1913	04	1913	07	-x-- ---- x--- ---- ----	2	
			NE flank (Aeseput Weru)									1915	04	1915	06	-x-- ---- ---- x-x- ----	2	6/-
			NE flank (Aeseput)									1917	11	....	....	-x-- ---- x--- ---- ----	2	
			NE flank (Aeseput)									1923	1127	1924	0118	-x-- ---- x--- x--- ----	2*	7/-
			NE flank (Aeseput)									1947	0822	1947	0827	-x-- ---- x--- ---- ----	2	
			NE flank (Aeseput)									1953	11	....	....	-x-- ---- ?--- ---- ----	2	
			Kawah Soputan									1965	0521	1967	11	x--- ---- xx-- x-x- -xx-	3*	7/-
												1968	07	1968	08	x--- ---- -x-- --x- ----	1	
												1970	02	1970	0526e	x--- ---- x--- ---- ----	2	
												1971	0519	1971	0519	x--- ---- --?- ---- ----	1	
												1973	0106	1973	0527	x--- ---- x--- ---- ----	2	
												1982	0826	1982	1110	x--- ---- x--- ---- -x--	3	-/6
												1984	0524	1984	0831	x--- ---- x--- ---- -x--	3*	-/7
												1985	0519	1985	0520	x--- ---- x--- ---- -x--	2	-/6
												1989	0422	1989	0423	x--- ---- x--- ---- -x--	2	
												1991	0522	1996	0929>	x--- ---- x--- x-x- ----	2*	7/-
												2000	0513	2003	0904?	x--- ---- xx-- x-x- -x--	2*	7/-
												2004	1018	2004	1227?	x--- ---- xx-- x--- -x--	3?	
												2005	0419	2005	0718?	x--- ---- xx-- --x- ----	2	
												2005	1226	2006	0124?	x--- ---- x--- --x- ----	1	
												2006	1214	2006	1226?	x--- ---- x--- ---- ----	1	
												2007	06 ?	2007	1109?	x--- ---- x--- x-x- ----	3*	
												2008	0606	2008	1102?	x--- ---- xx-- --x- -x--	3?	
Sempu (Sulawesi)	1.13 N	124.758 E		1549	6667				U	Caldera		0606-04=		Fumarolic				
											?	*1819*	....	....	....	---- ---- ---- ---- ----		
Tondano Caldera (Sulawesi)	1.23 N	124.83 E		1202	6667				A	Caldera		0606-07-		Fumarolic				
Lokon-Empung (Sulawesi)	1.358N	124.792 E		1580	5567				BDA	Stratovolcano		0606-10=		Historical				
			Empung									1375q	....	....	....	x--- ---- x--- ---- ----	3↑	
			Empung									1775q	....	....	....	x--- ---- x--- ---- xx--	3	
			Tompaluan									1829	03	....	....	-x-- ---- x--- ---- ----	2	
			Tompaluan									1893	0329	1894	0814>	-x-- ---- x--- ---- ----	2	
			Tompaluan									1930	08	....	....	-x-- ---- x-x- ---- ----	2	
			Tompaluan									1942	0903	....	....	-x-- ---- x--- ---- ----	2	
			Tompaluan									1949	0914	....	....	-x-- ---- --x- ---- ----	1	
			Tompaluan									1951	0702	1953	03	-x-- ---- x--- --x- -x--	3*	
			Tompaluan									1958	0219	1959	1223	-x-- ---- xx-- --x- -x--	2	
			Tompaluan									1961	0519	1961	12	-x-- ---- x--- ---- ----	2	
			Tompaluan									1962	04	1962	11	-x-- ---- --x- ---- ----	1	
			Tompaluan									1963	1217	1964	04	-x-- ---- x--- ---- ----	2	
			Tompaluan									1965	0710	1965	0710	-x-- ---- x--- ---- ----	1	
			Tompaluan									1966	0924	1966	0930?	-x-- ---- x--- ---- ----	2	
			Tompaluan									1969	1127	1970	1226e	-x-- ---x xx-- ---- -xx-	2	
			Tompaluan									1971	0511	1971	1026e	-x-- ---- x--- --x- ----	2	2/-
			Tompaluan									1973	0915	1974	12	-x-- ---- x--- ---- ----	1	
			Tompaluan									1975	11 <	1980	....	-x-- ---- x?-- --x- ----	2*	4/-
			Tompaluan								?	*1984*	*0605d*	*?1984*	*11*	-x-- ---- --?- ---- ----	*1*	
			Tompaluan									1986	0322	1987	0513	-x-- ---x x-x- ---- -xx-	2	
			Tompaluan									1988	0421	1988	0501	-x-- ---- x--- ---- ----	1	
			Tompaluan									1991	0517	1992	01	-x-- ---- xx-- x--- xx--	3*	5/7
			Tompaluan									2000	0510c	2001	0818	-x-- ---- x--- ---- ----	2	
			Tompaluan									2002	0209	2002	05 ?	-x-- ---- x--- ---- ----	2	
			Tompaluan									2002	1223	2003	0401	-x-- ---- x--- ---- ----	2*	
			Tompaluan									2003	0912	2003	0912	-x-- ---- x--- ---- ----	3	
Mahawu (Sulawesi)	1.358N	124.858 E		1324	5667				ADB	Stratovolcano		0606-11=		Historical				
												1788<	....	....	....	x--- ---- x--- ---- ----		
												1789	1231y	....	....	x--- ---- x--- ---- -?--	2	
												1846	....	....	....	-x-- ---- --x- ---- ----	2	
												1904	1004<	....	....	x--- ---- x--- ---- --x-	2	
												1952	....	....	....	---- ---- ---- ---- ----	2?	
												1958	0712	1958	0729	x--- ---- x-x- ---- xxx-	2?	
												1977	1116	....	....	x--- ---x --x- ---- ----	0	
Klabat (Sulawesi)	1.47 N	125.03 E		1995	4567				AB	Stratovolcano		0606-12=		Fumarolic				
Tongkoko (Sulawesi)	1.52 N	125.20 E		1149	3567				ABD	Stratovolcano		0606-13=		Historical				
												1680	....	....	....	x--- ---- x--- ---- -x--	5?	-/9
												1683	....	....	....	x--- ---- x--- ---- ----	3↑	
												1694	....	....	....	x--- ---- x--- ---- ----	3?	
			Summit and east flank (Batu Angus)									1801	....	....	....	xx-- ---x x--- x-x- -x--	2	6/-
			Batu Angus Baru									1821	....	....	....	-x-- ---- ---- x--- ----	0	
			Batu Angus									1843	....	1846	....	-x-- ---- x--- ---- ----	2	
			Batu Angus									1880	....	....	....	-x-- ---- ---- x-x- ----	1	
SANGIHE ISLANDS																		
Ruang (Sangihe Is)	2.30 N	125.37 E		725	3446				AB	Stratovolcano		0607-01=		Historical				
			(eruption in 1808, not 1810 or 1811)									1808	....	....	....	x--- ---- xx-- ---- -x--	2	
												1836?	0422	1836?	0424	x--- ---- x--- ---- ----	2	
												1840	....	....	....	x--- ---- xx-- ---- ----	2	
												1856	09	....	....	x--- ---- x--- --x- ----	1	
												1870	0827	1870	0828	x--- ---- x--- ---- xx--	3?	
												1871	0302	1871	0314	x--- ---- xx-- ---- xx-x	2	
												1874	1115	....	....	x--- ---- xx-- ---- -x--	2	
												1889	06	....	....	x--- ---- ---- --x- ----	1	
												1904	0422	1905	0527	x--- ---- xx-- x-x- -xx-	3?	6/-
												1914	0529	1915	0228p	x--- ---- xx-- x--- ----	2	
			(increased fumarolic activity only)								X	*1918*	*02*	....	....	---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Ruang (Sangihe Is) *continued*		(increased fumarolic activity only)							X *1940*	*04*	....	....	---- ---- ---- ---- ----		
		(no eruption in 1946; NVP 1959)							X *1946*	*1013*	X*1946*	*1015*	---- ---- ---- ---- ----		
									1949	0105	1949	0119>	x--- ---- x--- x-x- ----	2	
									? *1996*	*0627*	....	....	---- ---- ?--- ---- ----		
									2002	0925	2002	0929?	x--- ---- xx-- ---- -xx-	4?	
Karangetang [Api Siau] (Siau I)	2.78 N	125.40 E	1784	3455			AB	**Stratovolcano**	**0607-02=**		**Historical**				
									1675	....	....	....	x--- ---- x--- ---- ----	3↑	
									1712	0116	....	....	x--- ---- x--- ---- ----	2	
									1825	....	....	....	x--- ---- x--- ---- ----	2	
									1864	0606	....	....	x--- ---- x--- ---- ----	2	
		Crater II?							1883	0825	1883	0826	x--- ---- x--- ---- ----	2	
		Crater III							1886	0425	1886	0619>	x--- ---- x--- ---- ----	2	
									1887	0527	1887	0527	x--- ---- x--- ---- ----	2	
									1892	0614?	....	....	x--- ---- x--- ---- --x-	2	
									1899	....	....	....	x--- ---- x--- ---- ----	2	
									1900	....	....	....	x--- ---- x--- ---- ----	2	
									1905	0521	1905	0522	x--- ---- x--- ---- ----	2	
		Crater V							1921	03	1921	06 >	x--- ---- x--- --?- ----	2	
		Crater IV							1922	0504	1922	1213	x--- ---- x--- x--- ----	2	
									1924	05	....	....	x--- ---- x--- ---- ----	2	
									1926	10	....	....	x--- ---- x--- ---- ----	2	
		Crater IV							1930	0204	1930	0206	x--- ---- x--- ---- ----	2	
									1930	11 ?	....	....	x--- ---- x--- ---- ----	2	
									1935	0831	....	....	x--- ---- x--- ---- ----	2	
									1940	0301	1940	0309	x--- ---- x--- ---- ----	2	
									1940	0620	1940	0823	x--- ---- x--- ---- xx--	2	
									1941	1030	1941	1030	x--- ---- x--- ---- -x--	2	
									1947	0209	1947	0209	x--- ---- x--- ---- ----	2	
									1947	1201	1947	1221	x--- ---- x--- ---- ----	2	
									1948	12	....	....	x--- ---- x--- ---- ----	2	
									1949	0914	....	....	x--- ---- x--- ---- ----	2	
		Craters I, II and III							1952	02	1952	0630	x--- ---- x--- ---- -x--	2	
									1953	....	....	....	---- ---- x--- ---- ----	2	
									1961	0228	1961	04	x--- ---- x--- ---- ----	2	-/6
									1961	1009	1961	1019>	x--- ---- x--- ---- ----	2	-/6
									1962	0129	1963	12	x--- ---- x--- ---- -xx-	2	
									1965	0405d	1967	06	x--- ---- x--- ?--- ----	2	
									1967	1129	1967	1202	x--- ---- x--- ---- ----	2	
									1970	1127	1971	03	x--- ---- xx-- x-x- ----	2	
									1972	01	1976	0405	x--- ---- x-x- x-x- xxx-	3*	
		South flank (1100 m) and summit							1976	0915	1977	09	xx-- ---- xx-- x--- xx--	2	7/-
									1978	0222	1978	1218	x--- ---- x--- ---- ----	1	
		NNW flank, 1300 m (Kawah Maralebule)							1979	0531	1979	0531	-x-- ---- x--- ---- ----	1	
									1980	0324	1980	0913	x--- ---- x--- ---- ----	1	
									1982	....	....	....	x--- ---- ?--- ---- ----	1	
		Summit and SW flank (1443 m)							1983	05	1988	1231>	xx-- ---- xxx- x--- -x--	3*	4/-
									1989	07	1989	07	---- ---- x--- ---- ----	1	
									1991	0702<	1993	1231>	x--- ---- xx-- x-x- xx--	2*	6/6
									1995	1109	1995	1217	x--- ---- x--- ---- ----	1	
									1996	1001<	1997	06 >	x--- ---- xx-- ---- x---	1	
									1998	0705d	....	....	x--- ---- x--- ---- ----	1	
									1999	03 <	2003	1028	x--- ---- xx-- x-x- -xx-	3?	
									2004	0402?	2005	0805?	x--- ---- x--- --x- ----	2*	
									2006	0703	2007	10 >	x--- ---- xx-- x-x- --x-	1	
									? *2008*	*0312*	....	....	---- ---- ?--- ---- ----	*1?*	
									2008	1129?	2010>	....	x--- ---- xx-- x--- --x-	2	
Banua Wuhu (Sangihe Is)	3.138 N	125.491 E	-5	3345			A	**Submarine volc**	**0607-03=**		**Historical**				
									1835	0423	1835	0426	x--- xx-- x--- x-x- ----	2	6/-
									1889	0906	1889	0909	x--- xx-- x--- --x- ---x	2	
									1895	07	1895	1226e	x--- x--- x--- ---- ----	2	
									1904	0417	1904	0418	x--- xx-- x--- ---- ----	2	
									1904	0827	....	....	x--- x--- x--- ---- ----	2	
									1918	0718	1919	1201p	x--- xx-- x--- --x- -x-x	3*	
									? *1968*	*0905*	?*1968*	*0909d*	---- ?--- ---- ---- ----	*0*	
Awu (Sangihe Is)	3.67 N	125.50 E	1320	4555			AB	**Stratovolcano**	**0607-04=**		**Historical**				
									? *1640*	*12*	?*1641*	*0104*	x--- ---- x-x- ---- --x-	*3↑*	
									1646e	....	....	....	x--- ---- --x- ---- ----	2?	
									? *1699*	....	....	....	---- ---- ---- ---- ----		
									1711	1210	1711	1216	x--- ---x xxx- ---- xxx-	3	
									1812	0806	1812	0808	x--- ---- xx-- ---- xxx-	4?	-/8
									1856	0302	1856	0317	x--- ---- xx-- ---- xxxx	3?	-/8
									1875	08	1875	08	x--- ---- --x- ---- ----	2	
									1883	0825	1883	0826	x--- ---- x--- ---- ----	2	
									1885	0818	....	....	x--- ---- --x- ---- ----	2	
									1892	0607	1892	0612?	x--- ---- xx-- ---- xxxx	3	
									1893	....	....	....	x--- ---- --x- ---- ----	2	
									1913	0314	1913	0314	x--- ---- x-x- ---- ----	2	
									1921	02	1921	1001t	x--- ---x --?- --x- ----	0	
									1922	0620	1922	09	x--- ---x --?- --x- ----	0	
									1930	12	1931	12	x--- ---x --x- --x- ----	2*	6/-
									1956	0812	1956	10	x--- ---x xx-- ---- xxx-	4	
									? *1968*	*08*	?*1968*	*09*	---- ---- ---- ---- ----	*2*	
		SE part of summit crater							1992	0407i	....	....	x--- ---- --x- ---- ----	1	
									2004	0602<	2004	08 ?	x--- ---- x--- --x- ----	2*	
Unnamed (Sangihe Is)	3.97 N	124.17 E	-5000	0000			U	**Submarine volc ?**	**0607-05=**		Uncertain				
									? *1922*	*0201p*	....	....	---- ?--- ---- ---- ----	*0*	
									? *1955*	*0213*	....	....	---- ?--- ?--- ---- ----	*0*	
HALMAHERA															
Tarakan (Halmahera)	1.83 N	127.83 E	318	5556			B	**Pyroclastic cones**	**0608-001**		**Holocene**				
Dukono (Halmahera)	1.68 N	127.88 E	1335	4466			ATB	**Complex volcano**	**0608-01=**		**Historical**				
									1550	1120n	....	....	x--- ---- x--- x--- xx--	3	-/8

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Dukono (Halmahera) *continued*		East flank of Tolo									1719w				-x-- ---- ---- x--- ----		
											1868?				x--- ---- x--- ---- -?--	2	
											1901				x--- ---- x--- ---- ----	2	
		Malupang Magiwe and Malupang Warirang									1933	0813	2010>		x--- ---- x--- x--- -xx-	3*	
Tobaru (Halmahera)	1.63 N	127.67 E	1035	3456				A	**Unknown**		0608-02-		**Holocene**				
Ibu (Halmahera)	1.488N	127.63 E	1325	4556				AB	**Stratovolcano**		0608-03=		**Historical**				
											1911	0830	1911	0901	x--- ---- x--- ---- ----	2	
											1998	1218	1999	09 >	x--- ---- x--- x-x- ----	2*	
											2001	0528?	2001	1003?	x--- ---- ---- --?- ----	0	
											2004	05 ?	2005	0222?	x--- ---- ---- --x- ----	0?	
											2008	0405	2010>		x--- ---- x--- x-x- ----	1	
Gamkonora (Halmahera)	1.38 N	127.53 E	1635	4556				A	**Stratovolcano**		0608-04=		**Historical**				
											1564	1231y			x--- ---- x--- x--- xx--	3↑	
											1673	0520			x--- ---- x--- ---- xx-x	5?	-/9
											1885e				x--- ---- x--- ---- ----	2	
											1911				---- ---- ---- ---- ----	2?	
											1917	1018	1917	1018	x--- ---- x--- ---- ----	2	
											1926	06			x--- ---- x--- ---- ----	1?	
											1949				x--- ---- x--- ---- ----	2	
											1950	10			x--- ---- ---- ---- ----	2	
											1951				---- ---- x--- ---- ----	2	
											1952	0716	1952	0905d	x--- ---- x--- ---- ----	2	
											1981	0304	1981	0725	x--- ---- x-x- ---- ----	1	-/5
											1987	0413	1987	0426	x--- ---- x--- ---- ----	1	
											2007	0708	2007	0716?	x--- ---- x-x- ---- ----	2*	
Todoko-Ranu (Halmahera)	1.25 N	127.47 E	979	3556				A	**Calderas**		0608-05=		**Holocene**				
Jailolo (Halmahera)	1.08 N	127.42 E	1130	4556				AB	**Stratovolcano**		0608-051		**Holocene**				
Hiri (Halmahera)	0.90 N	127.32 E	630	4566				BA	**Stratovolcano**		0608-052		**Holocene**				
Gamalama (Halmahera)	0.80 N	127.33 E	1715	6666				Ad	**Stratovolcanoes**		0608-06=		**Historical**				
											1510j				x--- ---- x--- ---- ----	3↑	
											1538				x--- ---- x--- ---- ----	3↑	
											1561	1231y			xx-- ---? x--- ---- --x-	2	
											1605	05			x--- ---- x--- ---- ----	2	
		(eruption in 1608, not 1609)									1608	0718	1608	0719	x--- ---- x--- ---- -x--	3	
											1635	0329			x--- ---- x--- ---- ----	2	
		(perhaps confused with 1648 eruption)								?	*1643*	*0615*			?--- ---- ?--- ---- ----	*2?*	
											1648	0615	1648	0618	x--- ---- x--- ?--- ----	2	
											1653	1231y			x--- ---- x--- ---- -?--	3↑	
											1659	06			x--- ---- x--- ---- ----	2	
		(earthquake: eruption at Gamkonora)								X	*1673*	*0812*			---- ---- ---- ---- ----		
											1676	1231y			x--- ---- x--- ---- ----	2	
											1686	09 ?	1686	1013>	x--- ---- x--- ---- ----	2	
											1687	0510	1687	0511	x--- ---- x--- ---- ----	3↑	
											1737	0310	1737	0313	x--- ---- x--- x--- ----	2	
											1739				x--- ---- x--- ?--- ----	2	
		North flank									1763				-x-- ---- ---- x--- ----	2	7/-
											1770	0706	1770	1209	xx-- ---- x--- ---- -x--	3	
											1771	0828	1772	1009	x--- ---- x--- ---- xx--	3	
											1773	0202	1773	0207	x--- ---- x--- ---- ----	2	
											1773	1021	1774	0122	x--- ---- x--- ---- xx--	2	
		Summit and NW flank (100 m)									1775	0820	1775	1106	xx-- ---- xx-- ---- xx--	3*	
										?	*1781*				---- ---- ---- ---- ----		
											1811	0201	1811	05	x--- ---- x--- ?--- ----	2	
											1812	0907	1812	0907	x--- ---- x--- ---- ----	2	
											1814	1127	1814	1128	x--- ---- x--- ---- ----	2	
		(earthquakes, not eruption)								X	*1815*				---- ---- ---- ---- ----		
										?	*1821*	*0822*			x--- ---- ---- ---- ----	*1*	
										?	*1830*				---- ---- ---- ---- ----		
											1831	0527	1831	0627	x--- ---- x?-- ---- ----	2	
											1833	0615			x--- ---- x--- ---- ----	2	
											1835	0104			x--- ---- x--- ---- ----	2	
											1838	0226	1838	05	x--- ---- x--- ---- x---	2	
											1839	0129	1839	0326	x--- ---- x--- ?--- ----	2*	
											1840	0202	1840	0929	x--- ---- x--- ---- -xx-	3	
										?	*1841*	*0330*	*?1841*	*1120*	x--- ---- ---- ---- ----	*1*	
											1842	1006	1842	1231	x--- ---- x--- ---- ----	1	
											1843	0410	1843	0527	x--- ---- x?-- ?--- ----	2	
										?	*1844*	*0324*	*?1844*	*1114*	x--- ---- ---- ---- ----	*1*	
										?	*1845*	*0423*	*?1845*	*0903*	x--- ---- ---- ---- ----	*1*	
											1846	0519	1846	0519	x--- ---- x--- ---- -x--	2	
											1847	0207	1847	0207	x--- ---- x--- ?--- ----	2	
											1847	0907	1847	0907	x--- ---- ---- ---- ----		
											1849	1127	1850	1119	x--- ---- x--- ---- ----	2	
										?	*1858*	*11*	*?1859*	*09*	x--- ---- ---- ---- ----	*1*	
										?	*1860*	*06*			x--- ---- ---- ---- ----	*1*	
											1862	0715	1862	10	x--- ---- x--- ?--- --x-	2	
										?	*1863*	*0501?*	*?1863*	*06 ?*	x--- ---- ---- ---- ----	*2*	
											1864	0120	1864	0217	x--- ---- x--- ---- ----	2	
										?	*1864*	*0604d*	*?1864*	*0625e*	x--- ---- ---- ---- ----	*1*	
											1864	1227	1865	0102	x--- ---- x--- ?--- ----	2	
											1868	0313	1868	0313	x--- ---- x--- ---- ----	1	
											1868	1113	1869	0210	x--- ---- x--- ---- ----	2	
		(earthquakes, not eruption)								X	*1870*				---- ---- ---- ---- ----		
											1871	0807	1871	0925	x--- ---- x--- ?--- x---	2	
											1884	05	1884	05	x--- ---- x--- ---- --x-	2	
										?	*1884*	*1208*	*?1884*	*1209?*	x--- ---- --?- ---- ----	*1*	
											1895	1219	1895	1219	x--- ---- x--- ---- ----	1	
										?	*1896*	*0803*	*?1896*	*0804?*	x--- ---- x--- ---- ----	*1*	
											1897	0907	1897	0924	x--- ---- x--- ---- --x-	1	
											1898	0514	1898	0528?	x--- ---- x--- ---- ----	2	
										?	*1900*	*05*	*?1900*	*0604d*	x--- ---- x--- ---- ----	*1*	
											1907	1117	1907	1120	x--- ---- x--- x--- --x-	2	
											1911	0902	1911	0906	x--- ---- x--- ---- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
									Start: Year M-Dy	Stop: Year M-Dy	Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Crater lake / Explosive / Effusive / Pyroclastic / Caldera / Lava flow / Lava dome / Dome / Spine / Ash / Damage / Mudflow / Tsunami		
Gamalama (Halmahera) *continued*									1918 08	1918 0904	x--- ---- x--- ---- ----	1	
									1923 0413	1923 0506	x--- ---- x--- ---- ----	2	
									1932 1110	1932 1113	x--- ---- x--- ---- ----	2	
									1933 1112	....	x--- ---- x--- ---- ----	2	
									1938 0908	1938 0908	x--- ---- x--- ---- ----	2	
		East flank							1962 1231	1963 0102?	-x-- ---- x-x- ---- x---	2	
									1980 0904	1980 0923	x--- ---- x--- ---- -x--	2	-/6
									1983 0809	1983 0812	x--- ---- x--- ---- -x--	3	
									1988 0212	1988 03 ?	x--- ---- x--- ---- ----	2	
									1990 0425	1990 0426	x--- ---- x?-- ---- -x--	3?	
								?	*1991 0615*	*?1991 0615*	x--- ---- --?- ---- ----	*1?*	
									1993 0506	1993 0521	x--- ---- x?-- ---- ----	2	
									1994 01	1994 1015>	x--- ---- x--- ---- ----	2	
									1996	....	x--- ---- xx-- ---- ----	2?	
									2003 0731	2003 1002c	x--- ---- xx-- ---- ----	2	
								?	*2007 0823*	....	x--- ---- --?- ---- ----	*1?*	
								?	*2008 0510*	....	x--- ---- ?--- ---- ----	*1*	
Tidore (Halmahera)	0.658 N	127.40 E	1730	5566		A	**Stratovolcano**		**0608-061**	**Holocene**			
Mare (Halmahera)	0.57 N	127.40 E	308	3566		A	**Stratovolcano**		**0608-062**	**Holocene**			
Moti (Halmahera)	0.45 N	127.40 E	950	4456		AB	**Stratovolcano**		**0608-063**	**Holocene**			
		(confused with 1773 Gamalama eruption)						X	*1774<*	....	---- ---- ---- ---- ----		
Makian (Halmahera)	0.32 N	127.40 E	1357	4456		AB	**Stratovolcano**		**0608-07=**	**Historical**			
									1550<	....	x--- ---- x--- ?--- -x-?	3↑	
		(mistaken for 1608 Gamalama eruption?)						X	*1608*	X*1609*	---- ---- ---- ---- ----		
		(eruption in 1646, not 1648 or 1659<)							1646 0719	1646 0721	x-x- ---- x--- ---- xx--	4?	-/8
								?	*1660*	....	---- ---- ---- ---- ----		
									1760 0922	1761 0430>	x--- ---- x--- ---- xx--	4?	-/8
								?	*1854 0618*	*?1854 0618*	x--- ---- ---- ---- ----	*1*	
								?	*1860*	....	---- ---- ?--- ---- ----	*1*	
									1861 1228	1862 10	x--- ---- xxx- ?--- xxx-	4?	-/8
									1863 0825	1863 0831	x--- ---- --x- ---- ----	1	
									1864 10	1864 10	x--- ---- --x- ---- ----	1	
									1890 0620	1890 0630	x--- ---- x--- ?--- xx--	2	
									1988 0729	1988 0805	x--- ---- xx-- --x- -x--	3	
Tigalalu (Kayoa I)	0.07 N	127.42 E	422	3446		A	**Stratovolcano**		**0608-071**	**Holocene**			
Amasing (Bacan I)	0.53 S	127.48 E	1030	2355		A	**Stratovolcanoes**		**0608-072**	**Holocene**			
Bibinoi (Bacan I)	0.77 S	127.72 E	900	2455		A	**Stratovolcanoes**		**0608-073**	**Holocene**			
Umsini (New Guinea-W)	1.18 S	134.00 E	2665						0609-01=	Not a Volcano			
BORNEO													
Bombalai (Borneo)	4.40 N	117.88 E	531	3466		BAD	**Pyroclastic cone**		**0610-01-**	Holocene?			

Katia and Maurice Krafft

Merapi, one of Indonesia's most active volcanoes, towers above the major regional cultural and religious center of Yogyakarta in central Java. The prominent SW side breach seen here funnels rockfalls, pyroclastic flows, and lahars (mudflows) associated with long-term growth of summit lava domes onto populated agricultural lands beneath the volcano. Merapi eruptions have frequently produced major devastation during historical time.

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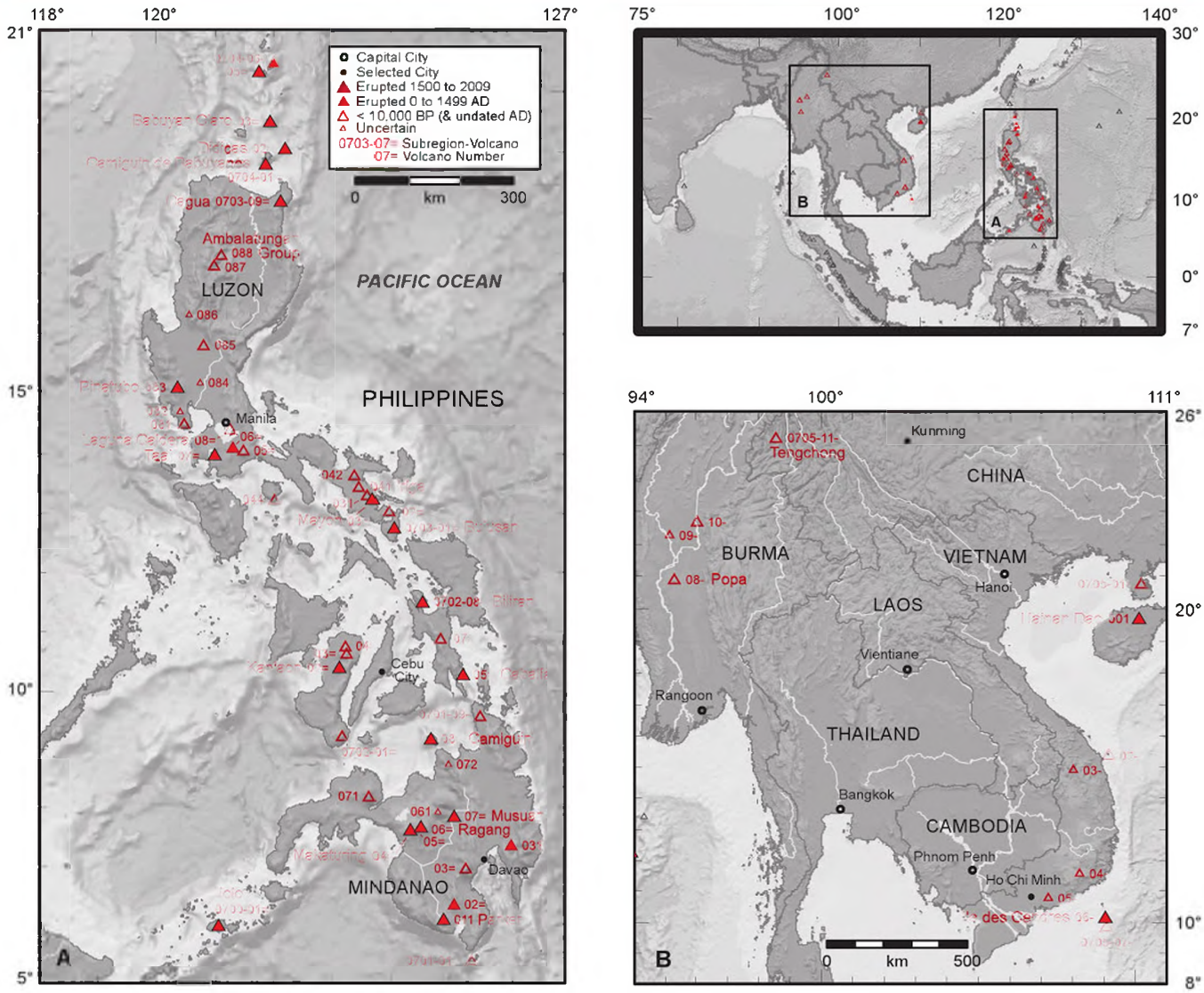
Philippines & SE Asia (07)



The Philippines is an archipelago of more than 7100 islands, most of which are of volcanic origin. After Magellan's death there in 1521, the Philippines were re-claimed for Spain by Lopez de Legazpi in 1564. The islands gained independence from Spain in mid-1898, but were soon occupied by the US and, from 1942 through 1944, by Japan. True independence did not come until 1946. The population of the Philippines has increased dramatically in recent years and now exceeds 91 million. Its land area approximates that of Italy.

The Philippines ranks relatively low in the total number of eruptions, but their impact has been high, reflecting its population density. More than 110 million people live within 100 km of a Holocene volcano in the Philippines and SE Asia, 2nd highest of the world's regions, trailing only Indonesia, and the Philippines and SE Asia consistently ranks within the top three globally of residents living with 5, 10, 30, and 100 km of both Holocene volcanoes and volcanoes with eruptions since 1500 AD. More than 13% of Philippine eruptions have resulted in fatalities, and more than 21% in damage, with the notable Taal and Mayon volcanoes having particularly high human impact. As with Indonesia, though, this record reflects the many years prior to the development of a strong government agency charged with the study of volcanism. The Philippine Institute of Volcanology and Seismology (PHIVOLCS) now maintains a modern monitoring program on most of the islands' volcanoes, and the evacuation table testifies to their effectiveness in dealing with recent eruptions.

The tectonics of the Philippines are not simple, but most volcanoes result from convergence of the Philippine Sea Plate and the Eurasian Plate. In the south the former is subducted westward under the latter, but in the north the opposite pattern prevails. Mudflows (lahars) are also frequently associated with Philippine eruptions, and remain a hazard long after the eruption ceases. Heavy rains in this typhoon-plagued archipelago regularly redistribute new volcanic tephra to surrounding lowlands. Secondary mudflows following the 1991 Pinatubo eruption have been especially devastating, partially or totally burying towns and villages and destroying the homes of more than 100,000 people. More than a half dozen primary or secondary lahars from Mayon volcano have caused fatalities, including most recently 1266 dead or missing due to post-eruptive lahars caused by a November 30, 2006 typhoon following the July to October 2006 eruption of Mayon. Tsunamis have accompanied 4.5% of eruptions in the Philippines, a proportion that is not itself high but one that exceeds all other regions.

Burma, only recently recognized as an area of Holocene volcanism, became part of the British Empire in 1886 after several wars. The British withdrew in WW-II and granted independence in 1948. Unrest has followed, and the country's 1988 name change to Myanmar has been widely but not universally accepted. Vietnam, another mainland part of Region 07 with several Holocene volcanoes.

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has also undergone political unrest. It was a province of China from the 1st century BC to 939 AD, and missionary work, particularly by the French, began in the 17th century. French troops captured Saigon in 1859, the rest of Cochin-China (South Vietnam) within 8 years, and North Vietnam by 1887. After Japanese occupation during WW-II, nationalist forces defeated the French in 1954 and the US in 1975.

The *CAVW* originally designated region 07 as Philippines only, but Cochin-China was added upon publication of the catalog in 1954, and our expansion to SE Asia followed recognition of Holocene volcanism in Burma (Myanmar) and SE China, where young volcanism has occurred at Tengchong near the border with Burma and in islands bordering the Gulf of Tonkin.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	30	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	M-Dy	STATUS Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / Subaerial / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
PHILIPPINES - S															
Jolo (Sulu Is)	6.013 N*	121.057 E	811	5666			BA	**Pyroclastic cones**	0700-01=		**Historical**				
(1641 eruption from Parker volcano)								X *1641*	*0104*				---- ---- ---- ---- ----		
								1897	0921				---- ?--- ---- ---- ---x	0	
Balut (Mindanao)	5.40 N	125.375 E	862	4457			AB	**Stratovolcano**	0701-01=		**Fumarolic**				
Parker (Mindanao)	6.113 N	124.892 E	1824	3467			AD	**Stratovolcano**	0701-011		**Historical**				
								C-1920s					x--- ---- xx-- ---- --x-	P	
								G 1380u					x--- ---- xx-- ---- --x-	P	
								1640	1226e	1641	0104		x--- ---- xx-x ---- -xx-	5?	-/9
Matutum (Mindanao)	6.37 N	125.07 E	2286	3567			AD	**Stratovolcano**	0701-02=		**Radiocarbon**				
								C-0400t					---- ---- ?--- ---- ----		
								C-0170u					---- ---- x--- ---- ----		
								C 1290s					---- ---- ?--- ---- ----		
								? 1911	*0307*				---- ---- --?- ---- ----		
Apo (Mindanao)	6.989 N	125.269 E	2938	4467			AD	**Stratovolcano**	0701-03=		**Fumarolic**				
Leonard Range (Mindanao)	7.382 N	126.047 E	1080	3467			AD	**Stratovolcano**	0701-031		**Radiocarbon**				
								C-4090v					---- ---- x--- ---- ----		
								C-0080t					---- ---- x--- ---- ----		
								C 0120v					---- ---- x--- ---- ----		
Makaturing (Mindanao)	7.647 N	124.32 E	1940	4467			B	**Stratovolcano**	0701-04=		**Historical**				
								? 1856					---- ---- ---- ---- ----		
								? 1858					---- ---- ---- ---- ----		
								1865					x--- ---- x--- ---- ----	2	
								1882					---- ---- ---- ---- ----		
Latukan (Mindanao)	7.65 N	124.45 E	2338	3467			B	**Stratovolcano**	0701-05=		Holocene?				
Ragang (Mindanao)	7.70 N	124.50 E	2815	3467			BA	**Stratovolcano**	0701-06=		**Historical**				
								1765					x--- ---- ?--- ---- ----	2	
								1834					x--- ---- x--- ---- ----	2	
								1840	0120	1840	0405		x--- ---- x--- ---- ----	2	
								1856	1101				x--- ---- x--- ---- ----	2	
								1858	0218				x--- ---- x--- ---- ----	2	
								1871	1208<				x--- ---- x--- ---- ----	2	
								1873	0116	1873	04		x--- ---- x--- ---- ??--	2	
								? 1915					x--- ---- ?--- ---- ----	*2?*	
								? 1916	*07*				---- ---- ?--- ---- ----		
Kalatungan (Mindanao)	7.95 N	124.80 E	2824	3567			Bad	**Stratovolcano**	0701-061		Holocene?				
Musuan (Mindanao)	7.877 N	125.068 E	646	5667			AD	**Lava dome**	0701-07=		**Historical**				
								1886	1231y				---- ---- --?- ---- ----	2	
Malindang (Mindanao)	8.22 N	123.63 E	2404	3567			BAd	**Stratovolcano**	0701-071		**Holocene**				
Balatukan (Mindanao)	8.77 N	124.98 E	2450	3467			BA	**Compound volc**	0701-072		Uncertain				
Camiguin (Camiguin I)	9.203 N	124.673 E	1552	5557			ADbr	**Stratovolcanoes**	0701-08=		**Historical**				
Hibok-Hibok								1827					?--- ---? ?--- ---- -xx-	2	
Hibok-Hibok								1862					?--- ---? ?--- ---- -xx-	2	
Lower NW flank of Hibok-Hibok (Mt. Vulcan)								1871	0430	1875			-x-- ---- x--- --x- xx--	2	8/-
(solfataric activity only)								X *1897*					---- ---- --?- ---- -x?-		
(solfataric activity only)								X *1902*	*0727*				---- ---- --?- ---- -x?-		
Upper NE flank of Hibok-Hibok								1948	0901	1953	07		-x-- ---- xx-- x-x- xxx-	3*	
Paco (Mindanao)	9.593 N	125.520 E	524	4567			ADB	**Stratovolcano**	0701-09-		**Anthropology**				
PHILIPPINES - C															
Cuernos de Negros (Negros I)	9.25 N	123.17 E	1862	4567			ADB	**Complex volcano**	0702-01=		**Fumarolic**				
Kanlaon (Negros I)	10.412 N	123.132 E	2435	4567			AY	**Stratovolcano**	0702-02=		**Historical**				
								1866					x--- ---- x-x- ---- ----	2	
								? 1883	*07*				x--- ---- x-x- ---- ----	*2*	
								? 1884	*05*	*?1884*	*06*		x--- ---- x--- ---- ----	*2*	
								1893	07				x--- ---- x-x- ---- ----	2	
								1894	05	1894	06		x--- ---- x--- ---- ----	2	
								1902	0131				x--- ---- x--- x--- ----	2	
								1904					x--- ---- x-x- ---- ----	2	
								1905	1106	1906	0116>		x--- ---- x-x- ---- ----	2	
								1927	0320				x--- ---- x-x- ---- ----	2	
								1932	12	1933	01		x--- ---- x-x- ---- ----	2	
								1969	1010	1969	1029		x--- ---- x-x- ---- --x-	2	
								1970	0605	1970	0824		x--- ---- x-x- ---- ----	1?	
								1978	0627	1978	0902		x--- ---- x-x- ---- ----	2	
								1980	0808				x--- ---- x-x- ---- ----	2	
								1985	0313	1985	0314		x--- ---- x-x- ---- ----	1	
								1985	1005	1985	1207		x--- ---- x-x- ---- ----	1	
								1986	0603	1986	0818		x--- ---- x-x- ---- ----	2	-/5
								1987	0330?	1987	0702		x--- ---- x-x- ---- ----	1	
								1988	0621	1988	0702		x--- ---- x-x- ---- ----	1	
								1989	1025	1989	1213>		x--- ---- x-x- ---- ----	2	
								1991	0214	1991	0214		x--- ---- x-x- ---- ----	2	
								1992	0108	1992	0108		x--- ---- x-x- ---- ----	1	
								1992	0610	1992	0610		x--- ---- x-x- ---- ----	2	
								1993	0825	1993	0903		x--- ---- x-x- ---- ----	2	
								1996	0810	1996	0810		x--- ---- x-x- ---- x---	2	
								2002	1128	2002	1128		x--- ---- x-x- ---- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosion / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Kanlaon (Negros I) *continued*							2003	0307	2003	0723		x--- ---- x-x- ---- ----	1	
							2005	0125	2005	0525		x--- ---- x-x- ---- ----	2*	
							2006	0603	2006	0725		x--- ---- x-x- ---- ----	2	
Mandalagan (Negros I)	10.65 N	123.25 E	1885	3467	ADB	Complex volcano	0702-03=		Fumarolic					
Silay (Negros I)	10.77 N	123.23 E	1510	3577	A	Stratovolcano	0702-04=		Fumarolic					
Cabalian (Leyte I)	10.287 N	125.221 E	945	5567	A	Stratovolcano	0702-05=		Radiocarbon					
						C	1820 r	....	....	....		---- ---- xx-- ---- ----		
Mahagnao (Leyte I)	10.896 N	125.87 E	860	2456	AD	Stratovolcano	0702-07=		Fumarolic					
						?	*1895*	....	....	....		---- ---- ---- ---- ----		
Biliran (Biliran I)	11.523 N	124.535 E	1301	4567	AB	Compound volc	0702-08=		Historical					
							1939	0926	....	....		-x-- ---- x-x- ---- ----	1?	
PHILIPPINES - N														
Bulusan (Luzon)	12.770 N	124.05 E	1565	4567	ADbr	Stratovolcanoes	0703-01=		Historical					
						C	-3050?	....	....	....		---- ---- x--- ---- --x-		
						C	0950?	....	....	....		---- ---- x--- ---- --x-		
						?	*1852*	....	....	....		---- ---- ---- ---- ----		
							1886	....	....	....		?--- ---- ?--- ---- ----	2	
							1889	....	....	....		---- ---- ---- ---- ----		
							1892	....	....	....		?--- ---- ?--- ---- ----	2	
							1894	....	....	....		?--- ---- ?--- ---- ----	2	
							1916	0118	1916	0122		x--- ---- x-x- ---- ----	2	
							1918	10	1922	05		x--- ---- x?-- x-?- ----	2	
							1928	06	....	....		x--- ---- x--- ---- ----	2	
							1933	1225	....	....		x--- ---- x--- ---- -x-x	2	
							1978	0729	1978	0814		x--- ---- x-x- ---- -x--	2	-/5
							1979	1227	1980	0928		x-x- ---- x-x- ---- ----	3*	
							1981	0409	1981	0427		x--- ---- x-x- ---- ----	3	
							1983	0625	1983	0629		x--- ---- x-x- ---- ----	2	
							1988	0220	1988	0308		x--- ---- x-x- ---- --x-	2	-/4
							1994	1127	1995	0128>		x--- ---- x-x- ---- ----	2	
							2006	0321	2006	0628		x--- ---- xxx- ---- x---	2	
							2006	1010	2007	1004		x-x- ---- x--- ---- -xx-	2*	
Pocdol Mountains (Luzon)	13.05 N	123.958 E	1102	4667	Adb	Compound volc	0703-02=		Fumarolic					
Mayon (Luzon)	13.257 N	123.685 E	2462	4677	Ab	Stratovolcano	0703-03=		Historical					
						C	-3100 y	....	....	....		---- ---- ---- ---- ----		
						C	0470 u	....	....	....		x--- ---- xx-- ---- ----		
							1616	0219	1616	0223		x--- ---- xx-- x--- --x-	3	
							1766	0720	1766	0725		x--- ---- xx-- x--- xxx-	3	
(may be confused with 1766 lahar date)						X	*1767*	*1024*	....	....		---- ---- ---- ---- ----		
							1800	1030	1800	1031		x--- ---- xx-- ---- xx--	2	
						?	*1811*	*1005*	*?1811*	*1006*		x--- ---- x?-- ---- ----	2	
							1814	0201	1814	0215>		xx-- ---- xx-- ---- xxx-	4	-/8
							1827	0627	1828	0228		x--- ---- x--- ---- -xx-	2	
							1834	....	1835	05		x--- ---- xx-- ?--- --x-	3*	
							1839	....	....	....		x--- ---- x--- ---- ----	2	
							1845	0120a	1845	0130a		x--- ---- xx-- ---- -xx-	3	
							1846	0511	1846	0511		x--- ---- x--- ---- ----	3	
							1851	0526	1851	06		x--- ---- x--- ---- ----	1	
							1853	0713	1853	0826		x--- ---- xx-- ---- xxx-	3	
							1855	0322	....	....		x--- ---- x--- x--- ----	2	
							1857	....	....	....		x--- ---- x--- ---- ----	2	
							1858	01	1858	12		x--- ---- xx-- x--? xxx-	2	
							1859	....	....	....		x--- ---- ?--- ---? ----		
							1860	....	....	....		x--- ---- ?--- ---- ----		
							1861	....	....	....		x--- ---- x--- ---- ----	1	
							1862	....	....	....		x--- ---- x--- ---- --x-	2	
						?	*1863*	*0530*	....	....		---- ---- ---- ---- ----		
							1868	1217	....	....		x--- ---- x--- ---- --x-	2	
							1871	1208	1872	01		x--- ---- xx-- ---- xx--	3	
							1872	0905	1872	0909		x--- ---- x--- x--- ----	1	
							1873	0620	1873	0722		x--- ---- x--- x--- ----	2	
							1876	04	....	....		x--- ---- x--- ---- ----	1	
							1876	1126	1876	1126		x--- ---- x--- ---- ----	1	
Summit and south and SW flanks							1881	0706	1882	08		x-x- ---- xx-- x--- --x-	3	
							1885	1121	1885	1202		x--- ---- x--- x--- ----	2	
							1886	0708	1887	0310		x--- ---- xx-- x--- xxx-	3*	
							1888	1215	....	....		x--- ---- x--- ---- ----	1	
							1890	0910	1890	0930		x--- ---- x--- x--- ----	2	
							1891	1003	1892	0229		x--- ---- xx-- x--- -?--	2	
							1893	1003?	1893	1031		x--- ---- x--- x--- --x-	1	
Summit and east flank							1895	0720	1895	1126		x-x- ---- x--- x--- --x-	2	
							1896	0831	1896	0927		x--- ---- x--- x--- --x-	2	
							1897	0523<	1897	0723		x--- ---- xx-- x--- xxx-	4?	-/7
							1900	0301	1900	0306		x--- ---- xx-- x--- --x-	2	
							1902	....	....	....		x--- ---- x--- ---- --x-	1	
							1928	01 ?	1928	0826e		x--- ---- xx-- x--- xxx-	3*	7/7
							1938	0605	....	....		x--- ---- xx-- x--- xxx-	2	-/6
							1939	0821	....	....		x--- ---- x--- ---- ----	1	
							1941	0913	....	....		x--- ---- x--- ---- ----	1	
							1943	....	....	....		x--- ---- x--- ---- ----	1	
							1947	0108	1947	02		x--- ---- xx-- x--- xxx-	2	
							1968	0421	1968	0520		x--- ---- xx-- x--- xxx-	3	7/7
							1978	0307	1978	09 ?		x--- ---- x--- x--- ----	2*	7/-
							1984	0909	1984	1006		x--- ---- xx-- x--- ?xx-	3*	7/7
							1993	0202	1993	0404		x--- ---- xx-- x--- xxx-	2?	7/6
							1999	0622	2000	0319		x--- ---- xx-- x-x- --x-	3*	
							2000	0716	2000	0831		x--- ---- x-x- ---- ----	2	
							2001	0108	2001	0808		x--- ---- xx-- x-x- ----	3*	7/7
							2002	1011	2002	1011		x--- ---- x--- ---- ----	1	
							2003	0317	2003	0514		x--- ---- x-x- ---- ----	2	

Kurt Frederickson (Smithsonian)

Mayon 1968

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	NUMBER Start M-Dy	STATUS Stop Year	STATUS Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Mayon (Luzon) *continued*									*? 2003*	*1008*	*?2003*	*1011?*	x--- ---- ---- ?--- ----	*0*	
									2004	0603	2004	0912?	x--- ---- x-x- ---- ----	1	
									2005	0817<	....	....	x--- ---- ---- --x- ----	0	
									2006	0221	2006	0223	x--- ---- x--- ---- ----	1	
									2006	0713	2006	1001	x--- ---- xxx- x--- xxx-	1	7/-
									2008	0810	2008	0810	x--- ---- x-x- ---- ----	1	
									2009	0915	2010	0101>	x--- ---- xx-- x--- ----	2*	
Masaraga (Luzon)	13.32 N	123.60 E	1328	5677			ADR	**Stratovolcano**	**0703-031**		**Holocene**				
Iriga (Luzon)	13.457 N	123.457 E	1196	4677			AB	**Stratovolcano**	**0703-041**		**Holocene**				
(collapse and eruption prior to 1628 AD)									*X 1628*	....	....	....	x--- ---- xxx- ---- xx?-		
Isarog (Luzon)	13.658 N	123.38 E	1966	3577			A	**Stratovolcano**	**0703-042**		**Fumarolic**				
Malindig (Marinduque I)	13.240 N	122.018 E	1157	4567			A	**Stratovolcano**	**0703-044**		**Hot Springs**				
Banahaw (Luzon)	14.07 N	121.48 E	2158	3578			ABD	**Complex volcano**	**0703-05=**		**Holocene**				
Banahao									*? 1730*	....	....	....	x--- ---- ?--- ---- -xx-		
Banahao									*? 1743?*	....	....	....	---- ---- ?--- ---- --x-		
Banahao									*? 1843*	....	....	....	---- ---- ?--- ---- --x-		
Banahao									*? 1909*	....	....	....	---- ---- ?--- ---- --x-		
San Pablo Volc Field (Luzon)	14.12 N*	121.30 E	1090	7778			YRTA	**Stratovolcano**	**0703-06=**		**Anthropology**				
Sampaloc Lake									A 1350v	....	....	....	x--- ---- x--- ---- ----		
Taal (Luzon)	14.002 N	120.993 E	311	6678			ABDr	**Caldera**	**0703-07=**		**Historical**				
(Taal Scoria Flow)									C-3580x	....	....	....	x--- ---- xx-x ---- ----	6	-/10
									1572	....	....	....	x--- ---- x--- ---- -x--	3	
									1591	....	....	....	x--- ---- --x- ---- ----	3↑	
									1608c	....	....	....	x--- ---- ?--- ---- ----	2?	
									1634	....	....	....	x--- ---- ?--- ---- ----	3↑	
									1635	....	....	....	x--- ---- ?--- ---- ----	3↑	
									1641	....	....	....	x--- ---- x-x- ---- -x--	3	
									1645	....	....	....	x--- ---- ?--- ---- ----	3↑	
Binintiang Malaki									1707	....	....	....	-x-- ---- --x- ---- ----	2	
Binintiang Munti									1709	....	....	....	-x-- ---- x--- ---- -x--	2	
Binintiang Malaki									1715	....	....	....	-x-- ---- x--- ---- -x--	2	
Calauit (sublacustral SE flank)									1716	0924	1716	0927	--x- ---x xx-- ---- xx-x	4?	
Binintiang Munti									1729	....	....	....	-x-- ---- x--- ---- ----	2	
Pira-piraso (NE flank)									1731	....	....	....	-x-- -x-x xx-- ---- -x-x	2	
									1749	0811?	1749	09	xx?- ---x xx-- ---- xx-x	4	-/8
Summit crater and SE flank									1754	0515	1754	1204	xxx- ---- x--- ---- xx-x	4*	-/8
									1790	....	....	....	x--- ---- ?--- ---- ----	2	
									1808	02	1808	04	x--- ---- x--- ---- -x--	2	
									1825	....	....	....	x--- ---- ?--- ---- ----	2	
									1842	....	....	....	x--- ---- ?--- ---- ----	2	
									1873	....	....	....	x--- ---- ?--- ---- -?--	2	
									1874	0719	....	....	x--- ---- x--- ---- ?x--	2	
									1878	1112	1878	1115	x--- ---- x-x- ---- ----	2	
									? 1885	....	....	....	---- ---- ---- ---- ----		
									1903	04	....	....	x--- ---- x--- ---- ----	2	
Base of south wall of main crater									1904	04	1904	0715e	x--- ---- --x- ---- ----	1	
									1911	0127	1911	0208	x--- ---- xxx- ---- xx-x	3*	-/7
SW flank (near Mt. Tabaro)									1965	0928	1965	0930	-x-- -x-x xxx- ---- xx-x	4	-/7
SW flank (near Mt. Tabaro)									1966	0705	1966	0804	-x-- ---x x-x- ---- -x--	3*	
SW flank (near Mt. Tabaro)									1967	0816	1967	0819	-x-- -x-x x--- ---- ----	1	
SW flank (near Mt. Tabaro)									1968	0131	1968	0402	-xx- ---x x-x- x--- ----	2	
SW flank (near Mt. Tabaro)									1969	1029	1969	1210	-x-- ---- x-x- x--- ----	2	6/6
SW flank (near Mt. Tabaro)									1970	1109	1970	1113	--x- ---- x-x- ---- ----	1	
SW flank (near Mt. Tabaro)									1976	0903	1976	1017	-x-- ---- x-x- ---- -x--	2	-/6
SW flank (near Mt. Tabaro)									1977	1003	1977	1112?	-x-- ---- x-x- ---- ----	2	
Laguna Caldera (Luzon)	14.42 N	121.27 E	743	6678			ATDBR	**Caldera**	**0703-08=**		**Fumarolic**				
Mariveles (Luzon)	14.52 N	120.47 E	1388	3568			AB	**Stratovolcano**	**0703-081**		**Radiocarbon**				
									C-2050?	....	....	....	---- ---- ---- ---- ----		
Natib (Luzon)	14.72 N	120.40 E	1253	3478			ABD	**Stratovolcano**	**0703-082**		Holocene?				
Pinatubo (Luzon)	15.13 N	120.35 E	1486	3478			DAb	**Stratovolcano**	**0703-083**		**Historical**				
Tayawan caldera (Pasbul eruptive period)									G-7460w	....	....	....	x--- ---- xx-- ---- ----	6?	
(Pasbul eruptive period)									G-7030y	....	....	....	---- ---- xx-- ---- ----		
(Crow Valley eruptive period)									G-3550?	....	....	....	x--- ---- xx-- ---- --x-	6	-/10
(Maraunot eruptive period)									G-1050z	....	....	....	x--- ---- xx-- ---- --x-	6	-/10
(Baug eruptive period)									G 1450t	....	....	....	x--- ---- xx-- --x- -xx-	5?	
Lower north flank and summit									1991	0402	1991	0902	xx-- ---- xxxx --x- xxx-	6*	-/10
Center of caldera lake									1992	0709<	1992	1030	x--- ---x x--- --xx x-x-	1	6/-
Caldera floor									1993	02	1993	07 ?	x--- ---- --x- ---- xx--	1	
Arayat (Luzon)	15.20 N	120.742 E	1026	4678			BYxa	**Stratovolcano**	**0703-084**		Holocene?				
Amorong (Luzon)	15.828 N	120.805 E	376	5678			Y	**Lava domes**	**0703-085**		**Fumarolic**				
Santo Tomas (Luzon)	16.33 N	120.55 E	2260	4677			A	**Stratovolcano**	**0703-086**		Uncertain				
Patoc (Luzon)	17.147 N	120.980 E	1865	4557			A	**Stratovolcano**	**0703-087**		**Fumarolic**				
Ambalatungan Group (Luzon)	17.32 N	121.10 E	2329	3457			DA	**Compound volc**	**0703-088**		**Fumarolic**				
Mt. Binuluan									*? 1952*	....	....	....	---- ---- --?- ---- x-x-	*1?*	
Cagua (Luzon)	18.222 N	122.123 E	1133	2457			AB	**Stratovolcano**	**0703-09=**		**Historical**				
									1860	10	....	....	?--- ---- x?x- ---- ----	2	

N of LUZON

Camiguin de Babuyanes	18.83 N	121.860 E	712	3446			A	**Stratovolcano**	**0704-01=**		**Historical**				
SW flank									1857<	....	....	....	-x-- ??-- --x- ---- ----	2	
Didicas (Didicas I)	19.077 N	122.202 E	228	0035			A	**Compound volc**	**0704-02=**		**Historical**				
									1773	10	....	....	---- x--- --x- ---- ----	1?	
									1856	0930p	1860	10 ?	---- xx-- ---- --xx ----	2*	8/-
									1900	....	....	....	---- ?--- ---- --x- ----	0?	
									1952	0316<	1953?	....	-x-- xx-- x--- x-x- ----	2	8/-
North side									1969	0321	1969	06	-x-- ---- x-x- ---- x--x	2	
NNE side									1978	0106	1978	0109	-x-- ---- x--- ---- ----	2	
Babuyan Claro (Babuyan I)	19.523 N	121.940 E	1080	3335			AB	**Stratovolcanoes**	**0704-03=**		**Historical**				
Smith volcano									1652	....	....	....	-x-- ---- x--- ---- ----	3↑	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km 10 km 100 km	ROCK TYPE	VOLC TYPE / Area of Activity	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
							Start: Year M-Dy	Stop: Year M-Dy	Centrol Flank vent Radial fiss Regional / Submarine New island Subglacial Crater lake / Explosive Pyro flow Phreatic Caldera / Lava flow Lava lake Dome Spine / Fatal Damage Mudflow Tsunami		
Babuyan Claro (Babuyan I) *continued*		Babuyan Claro					1831	....	x--- ---- x--- ---- -x--	4?	-/8
		Babuyan Claro					1860	....	x--- ---- x--- ---- ----	2	
		Smith volcano					1907	....	-x-- ---- --x- ---- ----	2	
		Babuyan Claro					*? 1913*	....	x--- ---- --?- ---- ----	*2*	
		Smith volcano					1917	....	-x-- ---- ?--- ---- ----	2	
		Smith volcano					1918 0517	1918 0519	-x-- ---- x--- ---- ----	2	
		Smith volcano					1919 05	....	-x-- ---- ?--- ---- ----	2	
		Smith volcano					1924	....	-x-- ---- x--- ---- ----	2	
Unnamed (Batan Is)	20.33 N	121.75 E	-24	1345	U	**Submarine volc**	**0704-05=**	**Historical**			
							1773 10	....	---- ?--- ---- ---- ----	0	
							1850	....	---- ?--- ---- ---- ----	0	
							1854 0115	....	---- ?--- ---- ---- ----	0	
Iraya (Batan Is)	20.469N	122.010 E	1009	4445	ABY	**Stratovolcano**	**0704-06-**	**Historical**			
							C 0250x	....	---- ---- x--- ---- ----		
							C 0470t	....	x--- ---- xx-- ---- ----		
							1454?	....	---- ---- ---- ---- ----		
SE ASIA (INDOCHINA)											
Hainan Dao (China-SE)	19.70 N*	110.10 E		7777	B	**Pyroclastic cones**	**0705-001**	**Historical**			
		Lingao					1883	....	---x ---- x--- ---- ----		
		Nansheling ridge					1933 0626d	1933 0708>	---x ---- x--- ---- ----		
Leizhou Bandao (China-SE)	20.78 N*	110.17 E	259	7777	BX	**Volcanic field**	**0705-01-**	**Holocene**			
Cù-Lao Ré Group (Vietnam)	15.38 N*	109.12 E	181	3357	B	**Volcanic field**	**0705-02-**	**Holocene**			
Toroeng Prong (Vietnam)	14.93 N	108.00 E	800	3357	B	**Cinder cone**	**0705-03-**	Holocene?			
Haut Dong Nai (Vietnam)	11.60 N*	108.20 E	1000	6667	BXYA	**Volcanic field**	**0705-04-**	Holocene?			
Bas Dong Nai (Vietnam)	10.80 N*	107.20 E	392	6668	B	**Volcanic field**	**0705-05-**	Holocene?			
Cendres, Ile des (Vietnam-E of)	10.158 N	109.014 E	-20	0004	B	**Submarine volcs**	**0705-06-**	**Historical**			
							1923 0302	1923 0513	xx-- xx-- x--- x--- ----	2	-/8
Veteran (Vietnam-E of)	9.83 N	109.05 E		0004	U	**Submarine volc**	**0705-07-**	**Fumarolic**			
							? 1880?	....	---- ?--- ---- ---- ----	*0*	
							? 1928	....	---- ?--- ---- ---- ----	*0*	
Popa (Burma)	20.92 N	95.25 E	1518	4567	BAYD	**Stratovolcano**	**0705-08-**	**Anthropology**			
							A-0442	....	---- ---- ---- ---- ----		
Lower Chindwin (Burma)	22.28 N*	95.10 E	385	6667	BRDA	**Volcanic field**	**0705-09-**	Holocene?			
Singu Plateau (Burma)	22.70 N*	95.98 E	507	5567	Y	**Fissure vents**	**0705-10-**	**Holocene**			
Tengchong (China-S)	25.23 N*	98.50 E	2865	6667	BAd	**Pyroclastic cones**	**0705-11-**	**Uranium-series**			
							U-5750*	....	---- ---- ---- ---- ----		
		Dayingshan or Heikongshan					*? 1609*	....	x--- ---? ?--- ---- ?x--		

Chris Newhall (USGS)

The 15 x 20 km Taal caldera of Pleistocene and Holocene age is largely filled by a lake whose surface is only 3 m above sea level. The 5-km-wide Volcano Island in the north-central part of the caldera is constructed of coalescing small stratovolcanoes, tuff rings, and scoria cones. It has been the site of all historical eruptions at Taal, including powerful phreatomagmatic explosive eruptions with devastating pyroclastic surges.

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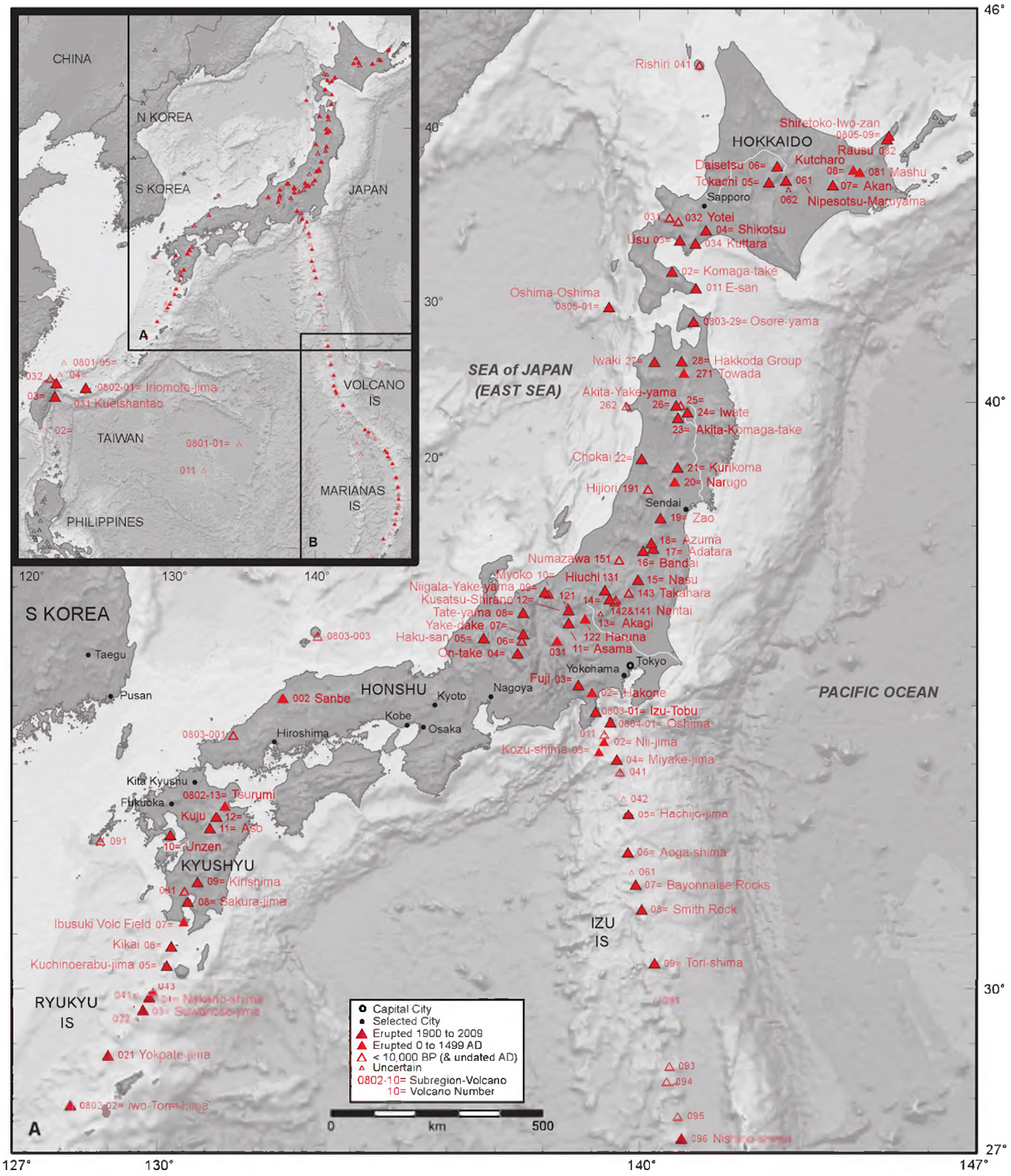
Japan, Taiwan, & Marianas (08)



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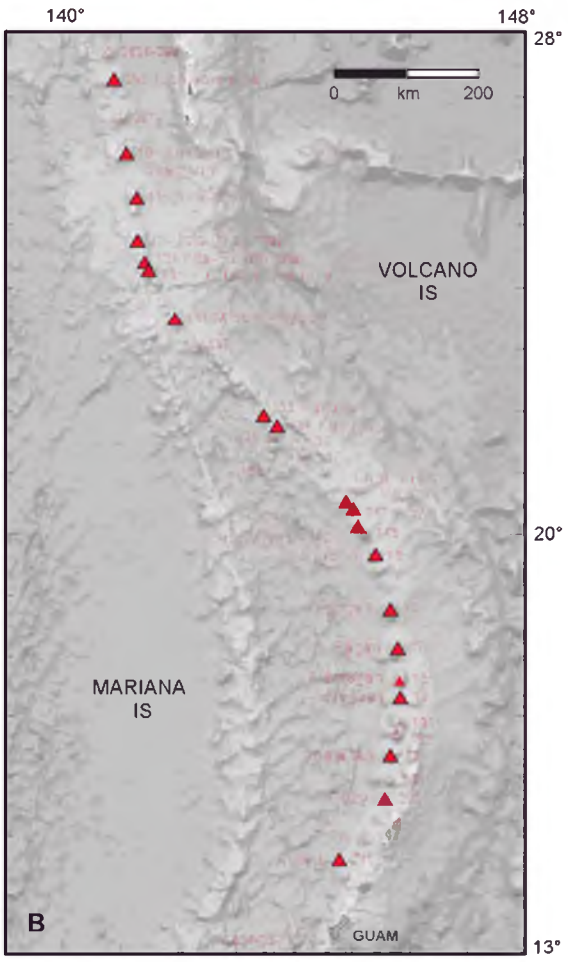
Human settlement of Japan can be traced for tens of thousands of years and through an unbroken line of emperors from 660 BC. In 552 AD, Buddhism was introduced from Korea, and Japan's first confirmed historical eruption was in 664 AD at Oshima. A fixed capital at the present location of Nara was first established in 710. By the time of Japan's largest historical eruption (Towada, 915 AD), 19 Japanese volcanoes had been documented in eruption, more than the rest of the world combined (including 10 in Europe). It was not until 1626, however, that history recorded an eruption from Japan's northern island of Hokkaido, and it was not formally made part of Japan until 1868. A feudal system had dominated all of Japan from 1192, but in 1868, 14 years after the nation was first opened to western trade, the Emperor Meiji overcame shogun power, and Edo (renamed Tokyo, or *Eastern Capital*) became Japan's capital city.

To the south, the Mariana Islands were populated from 1500 BC and explored by Spaniards in the 15th century AD, but the islands did not come under Spanish colonial rule until 1668. The first historical eruption was documented the following year. The northern volcanic islands were sold to Germany in 1898, occupied by Japan between the two World Wars, and named a Trust Territory by the UN in 1947 administered by the US. The islands became a self-governing US commonwealth in 1975. Region 08's total land area approximates California's, but its population is 4 times as large, and the Marianas constitute only 0.1% of each.

Most volcanoes in this region result from subduction of westward-moving oceanic crust under the Asian Plate. In the Izu-Mariana chain, however, the crust to the west is also oceanic, forming more basaltic island arcs (but with volcanoes that are far more explosive than oceanic hotspot volcanoes).

Japan's long history and careful attention to tephrochronology have produced an unusually detailed and balanced record of Holocene volcanism. One result of this work is that this region now leads all others in the total number of dated eruptions (1465) and number of volcanoes with dated eruptions (106). Several regions in which tephrochronology is emphasized, such as New Zealand and the Mediterranean, show a high proportion of their large eruptions (VEI ≥4) more than 2000 years ago. In contrast, regions such as Latin America, Indonesia, and the Philippines, show them concentrated in the last 200 years of historical records. Japan, however, (along with Kamchatka, Iceland, and Alaska) shows a balanced temporal distribution of large eruptions, reflecting *both* tephrochronology emphasis and vigorous explosive volcanism during recent centuries.

The volcanoes of this region are unusually explosive, and include Kikai in the Ryukyu Islands immediately south of Kyushu, which produced one of the earth's largest Holocene explosive eruptions about 6300 radiocarbon years ago. Lake-filled Towada volcano in northern Honshu has an average VEI of 4.42, the world's highest of those with 5 or more VEI assignments. Mashu, another caldera volcano in Hokkaido, is another of only 8 volcanoes globally with an average VEI of 4 or higher. Japan leads the world in volcanoes with average VEIs of 3 or larger, and no other region has documented more large (VEI ≥4) explosive eruptions (114), or approaches its total



of 58 eruptions of this magnitude in the past 2000 years.

Region 08 has the largest number of submarine volcanoes, mostly extending down the Izu-Marianas arc, contributing the many submarine eruptions around the Pacific's "Ring of Fire." The many reports of water discoloration over submarine vents have also contributed to this region's record number (292) of eruptions preceded by a question mark, indicating uncertainty that the eruption actually took place. Recent bathymetric expeditions have uncovered evidence for young submarine volcanism in the Marianas arc, including first-hand observations of active explosive and effusive eruptions from NW Rota-I volcano beginning in 2004. Vigorous submarine activity in this region, in combination with that at Melanesia and the New Zealand to Fiji regions, accounts for more than half of the world's 100 documented eruptions that have built oceanic islands.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT		LONG		ELEV (m)	POPL 5 km	POPL 100	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
TAIWAN & RYUKYU ISLANDS																		
Unnamed (Taiwan-E of)	20.93	N	134.75	E	-6000	0000		U		**Submarine volc ?**	**0801-01=**	Uncertain						
												? 1850	....	....	....	---- ?--- ---- ---- ----		0
			(incorrect Lat-Long, see 0801-02=)									X 1854	0115	....	....	---- ?--- ---- ---- ----		
Unnamed (Taiwan-E of)	19.17	N	132.25	E	-10	0000		U		**Submarine volc ?**	**0801-011**	Uncertain						
												? 1955	10	....	....	---- ?--- ---- ---- ----		0
Unnamed (Taiwan-E of)	21.83	N	121.18	E	-115	0006		U		**Submarine volc**	**0801-02=**	Uncertain						
												? 1854	0115	....	....	---- ?--- ---- ---- ----		0
Unnamed (Taiwan-E of)	24.00	N	121.83	E		0066		U		**Submarine volc**	**0801-03=**	**Historical**						
												1853	1029	1853	11 ?	---- x--- x--- ---- ----		2?
Kueishantao (Taiwan-E of)	24.85	N	121.92	E	401	1468		A		**Stratovolcano**	**0801-031**	**Historical**						
												1785j	....	....	....	---- ---- ---- x--- ----		0
Tatun Group (Taiwan)	25.17	N*	121.52	E	1120	7777		Ab		**Lava domes**	**0801-032**	**Radiocarbon**						
			Cisingshan									G-4100s	....	....	....	--x- ---- --x- ?--- ----		1?

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	NUMBER Start M-Dy	STATUS Stop Year	STATUS Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Parasitic / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Unnamed (Taiwan-N of)	25.40 N	122.20 E	-100	0007		U	**Submarine volc**		**0801-04=**	Uncertain					
								? 1867	....	....	....	....	---- ?--- ---- ---- ----		*0*
Zengyu (Taiwan-N of)	26.18 N	122.458 E	-418	0000		U	**Submarine volc**		**0801-05=**	Uncertain					
								? 1916	*0418*	....	....	....	---- ?--- ---- ---- ----		*0*
Iriomote-jima (Ryukyu Is)	24.558N	124.00 E	-200	0055		R	**Submarine volc**		**0802-01=**	**Historical**					
		(eruption October 31, 1924, not 1925)						**1924**	1031	....	....	....	---- x--- x--- ---- ----		4? -/9
Iwo-Tori-shima (Ryukyu Is)	27.877N	128.224E	212	0005		A	**Complex volcano**		**0802-02=**	**Historical**					
								1664	....	....	....	....	---- ?--- ---- ---- xx-x		
		Iwo-dake						**1796**	10	**1796**	11		x--- ---- x--- ---- ----		2
								1829	1201	**1829**	1216		---- ---- --?- ---- ----		1?
								1855	03	**1855**	05		---- ---- x--- ---- ----		2
								1868	02	**1868**	04		---- ---- x--- ---- ----		1
								1903	0315e	**1903**	0826e		x--- ---- x--- ---- ----		2
		Iwo-dake						**1959**	0608	**1959**	07		x--- ---- x--- ---- ----		2
								1967	1125e	....	....		x--- ---- --?- ---- ----		1
								1968	0718	**1968**	0718		x--- ---- x-x- ---- ----		1
Yokoate-jima (Ryukyu Is)	28.797N	128.997E	495	2225		A	**Stratovolcanoes**		**0802-021**	**Historical**					
								1835r	....	....	....	....	x--- ---- x--- ---- ----		2?
Akuseki-jima (Ryukyu Is)	29.461N	129.597E	584	2233		AD	**Stratovolcanoes**		**0802-022**	Holocene?					
Suwanose-jima (Ryukyu Is)	29.635N	129.716E	799	3334		A	**Stratovolcanoes**		**0802-03=**	**Historical**					
								T **1600?**	....	....	....	....	---- ---- x--- ---- ----		4+
		SW ridge fissure and O-take						**1813**	....	**1814**	....		x-x- ---- xx-A x--- ----		4
								1877	....	....	....	....	---- ---- x--- ---- ----		4?
		Northeastern summit crater (O-take)						**1884**	....	....	....	....	x--- ---- x--- x--- ----		1
		O-take						**1885**	01	**1885**	05		x--- ---- x--- ---- ----		2?
		O-take						**1889**	1002	**1889**	1013		x--- ---- x--- ---- ----		4
		O-take						*? 1914*	*0321*	....	....		x--- ---- ---- ---- ----		
		O-take						*? 1915*	*07*	*?1915*	*09*		x--- ---- ?--- ---- ----		*2?*
		O-take						**1921**	1208	**1922**	0126		x--- ---- x--- ---- ----		2?
		O-take						**1925**	0513	....	....		x--- ---- x--- ---- ----		2?
		O-take						*? 1934*	*0111*	....	....		x--- ---- ?--- ---- ----		*2?*
		O-take						**1938**	0311	**1938**	0311		x--- ---- x--- ---- ----		2?
		O-take						**1940**	1129	....	....		x--- ---- x--- ---- ----		2?
		O-take						**1949**	10	**1954**	....		x--- ---- x--- ---- -x--		2
		Submarine E flank (Suwanose-jima Oki)						**1954?**	....	....	....	....	---- x--- ---- ---- ----		0
		O-take						**1956**	11	**1984**	05		x--- ---- x--- ---- -x--		2
		Submarine E flank (Suwanose-jima Oki)						**1960?**	....	....	....	....	---- x--- ---- ---- ----		0
		O-take						**1984**	10	**1984**	10		x--- ---- x--- ---- ----		2
		O-take						**1985**	09	**1987**	06		x--- ---- x--- ---- ----		2
		O-take						**1988**	01	**1989**	12		x--- ---- x--- ---- ----		2
		O-take						**1990**	04	**1996**	0714		x--- ---- x--- ---- ----		2
		O-take						**1996**	1226	**1997**	0417		x--- ---- x--- ---- ----		1
		O-take						**1999**	0105e	**1999**	0224d		x--- ---- x--- ---- ----		1?
		O-take						**1999**	0615e	**1999**	0630d		x--- ---- x--- ---- ----		1?
		O-take						**2000**	0224d	**2000**	0224d		x--- ---- x--- ---- ----		2?
		O-take (Upper NE flank)						**2000**	1219	**2004**	0705?		xx-- ---- x--- ---- ----		3?
		O-take						**2004**	1023	**2010>**	....		x--- ---- x--- ---- ----		2
Nakano-shima (Ryukyu Is)	29.856N	129.859E	979	3335		AD	**Stratovolcanoes**		**0802-04=**	**Historical**					
		On-take						**1914**	01	....	....		x--- ---- ---- --x- ---- ----		1
		On-take						*? 1949*	*10*	....	....		x--- ---- ---- ---- ---- ----		*1?*
Kogaja-jima (Ryukyu Is)	29.879N	129.625E	301	1234		A	**Lava domes**		**0802-041**	Holocene?					
Kuchino-shima (Ryukyu Is)	29.964N	129.927E	628	2335		A	**Stratovolcanoes**		**0802-043**	**Radiocarbon**					
		Yoko-dake, Mae-dake						G-6750t	....	....	....		x--- ---- xx-- --x- ----		
								C-0900?	....	....	....		---- ---- --?- ---- ----		
								G 0750t	....	....	....		x--- ---- xx-- --x- ----		
								G 1190s	....	....	....		x--- ---- ---- ---- ----		
Kuchinoerabu-jima (Ryukyu Is)	30.440N	130.219E	657	4446		Ab	**Stratovolcanoes**		**0802-05=**	**Historical**					
		Furu-take						G-9520y	....	....	....		x--- ---- x--- ---- ----		
		Furu-take						G-3480w	....	....	....		x--- ---- x--- ---- ----		
		Shin-take (N-m tephra)						G-1450u	....	....	....		---- ---- x--- ---- ----		
		Furu-take						G-1140w	....	....	....		x--- ---- xx-- ---- ----		
		Shin-take (N-6 tephra)						G 0600u	....	....	....		---- ---- x--- ---- ----		
		Furu-take						G 0970u	....	....	....		x--- ---- --?- x--- ----		
		Shin-take (N-5 tephra)						G 1100v	....	....	....		---- ---- x--- ---- ----		
		Furu-take						G 1110u	....	....	....		x--- ---- x--- ---- ----		
		Shin-take (N-1? tephra)						G 1440t	....	....	....		---- ---- x--- ---- ----		
		Furu-take						G 1470t	....	....	....		x--- ---- x--- ---- ----		
		Furu-take						G 1560v	....	....	....		x--- ---- x--- ---- ----		
		Shin-take						**1840<**	....	....	....		x--- ---- ---- ---- ----		2?
		Shin-take						**1841**	0523	**1841**	0801		x--- ---- x--- ---- xx--		2*
		Shin-dake						*? 1906*	....	*?1907*	....		---- ---- ---- ---- ----		
		Shin-dake						**1914**	0105	....	....		x--- ---- --?- ---- ----		2?
		SW flank of Shin-take						**1931**	0402	**1931**	0622		-x-- ---- x-x- ---- -x--		3?
		Shin-take						*? 1932*	*0723*	*?1932*	*0723*		x--- ---- ?--- ---- ----		*1?*
		Shin-take						**1933**	1223	**1934**	0112		x--- ---- x--- ---- xx--		4?
		NNE-SSW fissure on E side of Shin-take						**1945**	1103	**1945**	1103		---x ---- x-x- ---- ----		2
		Shin-take						**1966**	1122	**1966**	1122		x--- ---- --x- ---- ----		2
		Shin-take						**1968**	1221	**1969**	0310		x--- ---- x-x- ---- ----		3*
		Shin-take						**1972**	0902	**1972**	0902		x--- ---- --x- ---- ----		2
		Shin-take						**1973**	1105	**1973**	1119		x--- ---- x-x- ---- ----		2
		Shin-take						**1974**	0603	**1974**	0603		x--- ---- x-x- ---- ----		1
		Shin-take						**1976**	0402	**1976**	0402		x--- ---- x-x- ---- ----		2
		NNE-SSW fissure on E side of Shin-take						**1980**	0928	**1980**	0928		---x ---- x-x- ---- ----		2 -/6
Kikai (Ryukyu Is)	30.789N	130.308E	704	3337		RBA	**Caldera**		**0802-06=**	**Historical**					
		Kikai caldera (Akahoya tephra)						C-4350?	....	....	....		x--- ---- xx-x ---- xx--		7 -/11
		Old Iwo-dake (Olo1a,b tephras)						C-3250u	....	....	....		x--- ---- xx-- ---- ----		
		Old Iwo-dake (Olo2a,b tephras)						T-2450*	....	....	....		x--- ---- x--- ---- ----		
		Inamura-dake (In-I tephra)						C-1830u	....	....	....		x--- ---- x--- ---- ----		
		Inamura-dake						C-1090v	....	....	....		x--- ---- x--- ---- ----		2
		Iwo-dake						C-0280u	....	....	....		x--- ---- x--- ---- ----		
		Iwo-dake						C 0390v	....	....	....		x--- ---- x--- x--- ----		3
		Iwo-dake						T 0750?	....	....	....		x--- ---- x--- x-x- ----		3

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Center / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Kikai (Ryukyu Is) *continued*		Iwo-dake (K-Iw-P1 tephra)				C	0830s					x--- ---- x--- ---- ----		
		Iwo-dake (K-Sk-u-3 tephra)				C	1010s					x--- ---- x--- ---- ----		
		Iwo-dake (K-Sk-u-4 tephra)				C	1030s					x--- ---- x--- ---- ----		
		Iwo-dake (K-Iw-P2 tephra)				C	1340r					x--- ---- x--- ---- ----		
		Iwo-dake				C	1430u					x--- ---- x--- ---- ----		
		Tokara-Iwo-jima				?	*1914*	*0213*				---- ---- ---- ---- ----		
		2 km east of Tokara-Iwo-Jima					1934	0919	1935	08	?	x--- xx-- x--- x-x- ----	2*	6/-
		Iwo-dake					1988	0118	1988	0118		x--- ---- x-x- ---- ----	1	
		Iwo-dake					1997	....	....	....		x--- ---- x-x- ---- ----	1?	
		Iwo-dake					1998	0425	1999	08		x--- ---- x-x- ---- ----	2	
		Iwo-dake					2000	01	2000	03		x--- ---- x--- ---- ----	2?	
		Iwo-dake					2000	10	2001	12		x--- ---- x--- ---- ----	1	
		Iwo-dake					2002	0511	2002	07		x--- ---- x--- ---- ----	2	
		Iwo-dake					2003	02 ?	2003	10		x--- ---- x--- ---- ----	2	
		Iwo-dake					2004	0305	2004	10		x--- ---- x--- ---- ----	2	

KYUSHU

Ibusuki Volc Field (Kyushu)	31.22	N° 130.57 E	922	5567	ARDB	**Calderas**		0802-07=	**Historical**					
		Unagi, Narikawa and Yamakawa maars				T	-5050?	....	....	....		x--- ---- x--- ---- ----		
		Ikeda-ko caldera (tephra layer Ikp)				C	-2690u	....	....	....		x--- ---- xx-x ---- ----	5	-/9
		Kaimon (tephra layer Km-rho)				T	-2010?	....	....	....		---- ---- x--- ---- -x--	4	-/8
		Kaimon (tephra set Km-pi)				T	-1780?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra layer Km-omicron)				T	-1610?	....	....	....		---- ---- x--- ---- ----	3	-/7
		Nabeshima-dake				T	-1550?	....	....	....		x--- ---- ---- --x- ----		
		Kaimon (tephra layer Km-xi)				T	-1500?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Mizunashi, Kagami, Ikezoko maars				T	-1450?	....	....	....		x--- ---- x--- ---- ----		
		Kaimon (tephra layer Km-nu)				T	-0700?	....	....	....		---- ---- x--- x--- ----	2	7/6
		Kaimon (tephra set Km-mu)				T	-0650?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra set Km-lamda)				T	-0270?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra set Km-kappa)				T	-0080?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra set Km-iota)				T	0030?	....	....	....		---- ---- x--- ---- ----	3	-/7
		Kaimon (tephra set Km-theta)				T	0130?	....	....	....		---- ---- x--- x--- ----	4	7/8
		Kaimon (tephra set Km-eta)				T	0150?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra set Km-zeta)				T	0270?	....	....	....		---- ---- x--- ---- ----	3	-/7
		Kaimon (tephra set Km-epsilon)				T	0550?	....	....	....		---- ---- x--- ---- ----	2	-/6
		Kaimon (tephra set Km-delta)				T	0600?	....	....	....		---- ---- x--- x--- ----	4	8/8
		Kaimon				T	0660?	....	....	....		---- ---- xx-- ---- ----	4+	
		Kaimon (tephra set Km-gamma)				T	0720?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon (tephra set Km-beta)				T	0770?	....	....	....		---- ---- x--- ---- ----	4	-/8
		Kaimon				?	*0860*	*04*	....	....		---- ---- ?--- ---- ----	*2?*	
		Kaimon				?	*0866*	*05*	....	....		---- ---- ?--- ---- ----	*2?*	
		Kaimon					0874	0329	0874	07	?	x--- ---- x--- ---- -x--	4	
		Kaimon				?	*0882*	*11*	....	....		---- ---- ?--- ---- ----	*2?*	
		Kaimon					0885	0829	0885	0928		---- ---- x--- x--- -x--	4	
		Kaimon				?	*1615*	*0807?*	....	....		---- ---- ?--- ---- ----		
Sakura-jima (Kyushu)	31.585	N 130.657 E	1117	4667	ADR	**Stratovolcano**		0802-08=	**Historical**					
		Kita-dake				C	-7750?	....	....	....		x--- ---- x--- ---- ----		
		Kita-dake				C	-6350?	....	....	....		x--- ---- x--- ---- ----		
		Wakamiko Caldera				C	-6200*	....	....	....		x--- x--- xx-x ---- ----	6	-/10
		Kita-dake (tephra layer Sz-11)				C	-6050?	....	....	....		x--- ---- x--- ---- ----	5	
		Kita-dake				C	-5950?	....	....	....		x--- ---- x--- ---- ----		
		Kita-dake				C	-5400?	....	....	....		x--- ---- x--- ---- ----		
		Kita-dake				C	-4800?	....	....	....		x--- ---- x--- ---- ----		
		Kita-dake (tephra layer Sz-7)				C	-3050?	....	....	....		x--- ---- x--- ---- ----	4	
		Kita-dake (tephra layer Sz-5)				C	-2900?	....	....	....		x--- ---- x--- ---- ----	4	
		(Miyamoto lava)				M	-2050?	....	....	....		---- ---- ---- x--- ----		
		(Kannonzaki lava)				M	-1050?	....	....	....		---- ---- ---- x--- ----		
		Minami-dake				C	-0650?	....	....	....		x--- ---- x--- ---- ----		
							0708	....	....	....		---- xx-- ?--- ---- ----	3↑	
						?	*0712*	....	....	....		---- ---- ?--- ---- ----	*3?*	
							0716	....	0718	....		---- xx-- ?--- ---- ----	3↑	
		East flank (Nabe-yama) (Sz-4 tephra)					0764	01	....	....		-x-- ---- xxx- x--- xx--	4	
							0766	0720	....	....		---- xx-- x--- ---- x---	3↑	
							0778	....	....	....		---- x--- ---- ---- ----	0?	
		Minami-dake					1468	....	....	....		x--- ---- x--- ---- ----	2	
		NE and SW flanks, summit crater					1471	1103	1476	1008>		xxx- ---- xx-- x--- xx--	5?	8/9
		Minami-dake					1478	0923	....	....		x--- ---- x--- ---- -x--	2?	
		Minami-dake					1642	0406	....	....		x--- ---- x--- ---- ----	2?	
						?	*1670*	*0601*	....	....		---- ---- ---- ---- ----	*2?*	
		Minami-dake					1678	0301	....	....		x--- ---- x--- ---- ----	2?	
		Minami-dake					1706	01	....	....		x--- ---- x--- ---- ----	2?	
		Minami-dake					1742	0406	....	....		x--- ---- x--- ---- ----	2?	
		Minami-dake summit, west flank?					1749	09	....	....		x?-- ---- x--- ?--- ----	2	
		Minami-dake					1756	0909	....	....		x--- ---- x--- ---- ----	2	
		(earthquake, but not eruption)				X	*1766*	*0605*	....	....		---- ---- ---- ---- ----		
		NE flank, off NE coast, south flank					1779	1108	1781	05		-xx- xx-- xx-- x--- xxxx	4*	9/8
		NE flank (offshore)					1782	0118	....	....		---- x--- ---- ---- ----	2?	
							1783	0903	....	....		-x-- ---- x--- ---- ----	3	
							1785	1120	....	....		-x-- ---- x--- ---- ----	2	
		Minami-dake					1790	0729	....	....		x--- ---- x--- ---- ----	2	
		Minami-dake					1791	0911	....	....		x--- ---- x--- ---- ----	2	
		Minami-dake				?	*1792*	....	....	....		x--- ---- ?--- ---- ----	*2?*	
		Minami-dake					1794	....	....	....		x--- ---- x--- ---- ----	2	
		Minami-dake					1797	....	....	....		x--- ---- x--- ---- ----	2	
		Minami-dake					1799	0327	....	....		x--- ---- x--- ---- ----	2	
		Minami-dake					1860	....	....	....		x--- ---- x--- ---- ----	1	
		Minami-dake				?	*1899*	*0924*	*?1899*	*0925*		x--- ---- ---- ---- ----	*1?*	
		West, east and SE flanks					1914	0112	1915	05		-xx- ---- xx-- x--- xx--	4	9/8
		Minami-dake					1935	0920	1935	0924		x--- ---- x--- ---- ----	1	
		Minami-dake					1938	0225	1938	0331		---- ---- x-?- ---- ----	2	
		East flank of Minami-dake (750 m)					1939	1026	1939	1112?		-x-- ---- xx-- ---- ----	2	-/5
		Minami-dake and east flank (750 m)					1940	0424	1940	0709		xx-- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10 km	POPL 100 km	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Sakura-jima (Kyushu) *continued*		East flank of Minami-dake (750 m)									1941	0428	1941	0826	-x-- ---- x--- ---- ----	2	
		East flank of Minami-dake (750 m)									1942	0716	1942	0716	-x-- ---- x--- ---- ----	1	
		East flank of Minami-dake (750 m)									1946	01	1946	11	-x-- ---- x--- x--- xxx-	2	8/7
		East flank of Minami-dake (750 m)									1948	0727	1948	0727	-x-- ---- x--- ---- ----	1	
		Minami-dake									1950	0629	1950	0909	x--- ---- x-x- ---- ----	1	
		Minami-dake									? *1954*	*11*	?*1954*	*12*	x--- ---- ---?- ---- ----	*1?*	
		Minami-dake and east flank (Showa crater)									1955	1013	2010>	....	xx-- ---- xxx- -xx- xxx-	3*	
Sumiyoshi-ike (Kyushu)	31.768N	130.594E	15	5567		B		Maars			0802-081		Radiocarbon				
		Sumiyoshi-ike									T-6250?	....	....	....	x--- ---- x-x- ---- ----	2	-/6
		Yonemaru									T-6200?	....	....	....	x--- ---- xxx- ---- ----	3	-/7
Kirishima (Kyushu)	31.931N	130.864E	1700	3467		ABD		Shield volcano			0802-09=		Historical				
		Shinmoe-dake (Setao Pumice)									T-7050*	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Old Takachiho (Uramuta Scoria)									T-5700*	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Old Takachiho (Ushinosune Ash)									C-4350?	....	....	....	x--- ---- x--- x--- ----	4	-/8
		Takachiho-mine (Mojihara Ash)									T-3550?	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Takachiho-mine (Oji Scoria)									T-3050?	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Mi-ike (tephra layer Kr-M)									C-2650?	....	....	....	x--- ---- xx-- ---- ----	4	
		Shinmoe-dake (Mae-yama Pumice)									C-2050?	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Ohachi (Araso tephra)									T 0700?	....	....	....	x--- ---- x--- ---- ----		
		Ohachi									0742	1228	....	....	x--- ---- x--- ?--- ----	3	
		Ohachi (Katazoe Scoria)									0788	0418	....	....	x--- ---- xx-- x--- -x--	4	-/8
		Ohachi									0837	....	0839?	....	x--- ---- x--- ---- ----	3	
											0843	....	0848	....	x--- ---- x--- ---- ----	2?	
											0857	....	....	....	x--- ---- x--- ---- ----	2?	
											0858	....	....	....	x--- ---- x--- ---- ----	2?	
											0945	....	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi (Miyasugi Tephra)									T 1000?	....	....	....	x--- ---- x--- x--- ----		
		Ohachi									1112	0309	....	....	x--- ---- x--- ---- -x--	2?	
											1113	0227	....	....	x--- ---- x--- ---- -x--	2?	
		Ohachi									1167	....	....	....	x--- ---- x--- ---- -x--	2?	
											? *1175*	*01* ?	....	....	---- ---- x--- ---- ----	*2?*	
		Ohachi									1184	0207	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi (Takahara Tephra)									1235	0125	....	....	x--- ---- xx-- x--- -x--	P	
											? *1381*	....	....	....	---- ---- ?--- ---- ----	*2?*	
		Ohachi									1524	....	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1554	....	....	....	x--- ---- x--- ---- ----	2?	
											1566	0506	....	....	x--- ---- ?--- ---- ----	2?	
		Ohachi									1566	1031	....	....	x--- ---- x--- ---- x---	3	
		Ohachi									1574	02	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1576	....	1578	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1585	11 ?	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1587	0524	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1588	0407	....	....	x--- ---- x--- ---- ----	2?	
											1595	....	....	....	---- ---- x--- ---- ----	2?	
											? *1596*	....	....	....	---- ---- x--- ---- ----	*2?*	
		Ohachi									1598	....	1600	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1613	....	1614	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1615	....	1618	....	---- ---- x--- ---- ----	2?	
											1620	....	....	....	---- ---- x--- ---- ----	2?	
		Ohachi									1628	1026	....	....	x--- ---- x--- ---- ----	2?	
		Shinmoe-dake									1637	....	1638	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1659	02	1661	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1662	09	1664	....	x--- ---- x--- ---- ----	2?	
		Ohachi									? *1667*	....	....	....	x--- ---- x--- ---- ----		
		Ohachi									1677	....	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1678	0229	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1690	....	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1706	0128	....	....	x--- ---- x--- ---- -x--	2	
		Shinmoe-dake									1716	0311	....	....	x--- ---x x-x- ---- --x-	3	-/7
		Shinmoe-dake									1716	1109	1717	0213	x--- ---- xx-- ---- xxx-	3*	-/8
		Shinmoe-dake (tephra layer Sm-KP7)									1717	0919	....	....	x--- ---- xx-- ---- ----	3	-/7
		Shinmoe-dake									1719	....	....	....	x--- ---- x--- ---- ----	2	
		Iwo-yama (NW flank of Karakuni-dake)									1768	....	....	....	-x-- ---- ---- x-x- ----	0	
		Ohachi									1769	....	....	....	x--- ---- x--- ---- ----	2	
		Shinmoe-dake									1771	....	1772	....	x--- ---- xx-- xx-- --x-	2	-/6
		Shinmoe-dake (tephra layer Sm-BP)									1822	0112	....	....	x--- ---x xx-- ---- --x-	2	-/6
		Shinmoe-dake									1832	0420	....	....	x--- ---- x--- ---- ----	2	
		Ohachi									1880	09	....	....	x--- ---- x--- ---- ----	2	
		Ohachi									1887	05	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1888	0221	1888	0509	x--- ---- x--- ---- ----	2	
		Ohachi									1889	1210	1889	1218	x--- ---- x--- ---- ----	2	
		Ohachi									1891	0619?	....	....	x--- ---- x--- ---- ----	2?	
		Ohachi									1891	1110	1891	1120?	x--- ---- x--- ---- ----	2	
		Ohachi									1894	0225	1894	0228?	x--- ---- x--- ---- ----	2	
		Ohachi									1895	0716	1896	0626	x--- ---- x--- ---- x---	2	
		Ohachi									1896	1221	....	....	x--- ---- x--- ---- ----	2	
		Ohachi									1897	0503	1897	0904	x--- ---- x--- ---- ----	2	
		Ohachi									1898	0208	1898	0311	x--- ---- x--- ---- ----	2	
		Ohachi									1898	1226	1898	1230	x--- ---- x--- ---- ----	2	
		Ohachi									1899	0728	1900	0216	x--- ---- x--- ---- x---	2	
		Ohachi									1903	0829	1903	1125	x--- ---- x--- ---- ----	2	
		Ohachi									1913	1108	1914	0108	x--- ---- x--- ---- ----	2	
		Ohachi									1914	1108	....	....	x--- ---- x--- ---- ----		
		Ohachi									1923	07	1923	07	x--- ---- x--- ---- x---	2	
		(Shinmoe crater lake gas emission)									X *1934*	....	....	....	---- ---- ---- ---- ----		
		Karakuni-dake ?									? *1946*	*04*	....	....	x--- ---- ?--- ---- ----	*2*	
		Shinmoe-dake									1959	0213	1959	0217	x-x- ---x x-x- ---- --x-	2	-/6
		North foot, near Tearai hot springs									1971	0805	1971	0805	x--- ---- x-x- ---- ----	1	
		Shinmoe-dake									1979	0216r	....	....	x--- ---- --x- ---- ----	1	
		Shinmoe-dake									1991	1201	1992	0419	x--- ---- x-x- ---- ----	1	-/3
		Shinmoe-dake crater and W flank									2008	0822	2008	0822	--x- ---- x-x- ---- ----	1	
Fukue-jima (Kyushu)	32.653N	128.851E	317	5556		B		Shield volcanoes			0802-091		Tephrochronology				
		Hino-take									G-0400?	....	....	....	x--- ---- x--- ---- ----		

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VOLCANO NAME (Subregion)	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS								VEI	Vol L/T
ERUPTION — Area of Activity							— Start — Year M-Dy	— Stop — Year M-Dy	Central / Flank vent / Radial fiss / Regional	Submarine / New island / Subglacial / Crater lake	Explosive / Pyro flow / Phreatic / Caldera	Lava flow / Lava lake / Dome / Spine	Fatal / Damage / Mudflow / Tsunami					
Unzen (Kyushu)	32 757 N	130 294 E	1500	4567	AD	**Complex volcano**	0802-10=	**Historical**										
Fugen-dake (Shimanomine)						F-4050*			x---	----	----	x-x-	----					
Fugen-dake						G-2720y			x---	----	xx--	----	----					
Mayu-yama (Shichimen-zan)						G-2640z			x---	----	-x--	--x-	----					
Mayu-yama (Tengu-yama)						N-2150*			x---	----	----	--x-	----					
Fugen-dake (Kazaana)						N-1450z			x---	----	----	--x-	----					
Fugendake-Sancho						N-1150z			x---	----	----	--x-	----					
						? 0860			----	----	----	----	----					
(eruption occurred in 1663, not 1657)						*X 1657*			----	----	----	----	----					
Fugen-dake (Tsukumo-jima Pond)						1663	04	1663 05	x---	----	x---	----	----				2?	
NE flank of Fugen-dake (1200 m)						1663	1211	1663 1227>	-x--	----	?---	x---	----				2?	6/-
						? 1690	----	*?1692* ----	----	----	?---	----	----					
Fugen-dake (summit, NNE), Mayu-yama						1792	0210	1792 0722	xx--	----	x--^	x---	xxxx				2	7/-
Fugen-dake						*? 1798*	*1113*	*?1798 12*	----	----	?---	----	----					
Fugen-dake						1990	1117	1995 02	x---	----	xxx-	--x-	xxx-				1	8/6
Fugen-dake						1996	0210	1996 0501	x---	----	-x--	----	----				2	
Aso (Kyushu)	32 881 N	131 106 E	1592	5567	ADRB	**Caldera**	0802-11=	**Historical**										
Jigoku explosion crater (Ikph2 tephra)						T-8050*			x---	----	x-x-	----	----				1	-/5
(N12 eruptive stage)						C-3610l			x---	----	x---	----	----					
Naka-dake						T-2850?			x---	----	----	x---	----				0	
Jigoku explosion crater (Ikph1 tephra)						T-2550?			x---	----	x-x-	----	----				1	-/5
(N9 eruptive stage)						C-2350u			x---	----	x---	----	----					
(N7 eruptive stage)						C-1830u			x---	----	x---	----	----					
(ACP-1 tephra layer)						C-1770w			x---	----	x---	----	----					
Kishima-dake (KsS tephra layer)						G-1700t			x---	----	x---	----	----				P	
(N5 eruptive stage)						C-1270u			x---	----	x---	----	----					
Ojo-dake (OjS tephra layer)						G-0950?			x---	----	x---	----	----				P	
(N3 eruptive stage)						C-0630t			x---	----	x---	----	----					
Kometsuka						T 0210?			x---	----	x---	x---	----				3	
Naka-dake (N2S tephra layer)						G 0440u			x---	----	x---	----	----					
Naka-dake						*? 0553*			x---	----	?---	----	----				*3?*	
Naka-dake						*? 0796*	*08*		x---	---?	----	----	----				*0?*	
Naka-dake						0864	1109		x---	---x	x---	----	--x-				3?	
Naka-dake						0867	0620?		x---	----	x---	----	----				2	
Naka-dake						*? 0986*	*0902*		x---	---x	?---	----	----				*2?*	
Naka-dake						*? 1229*	*1231*y		x---	----	?---	----	----				*2?*	
Naka-dake						1239	0208		x---	----	x---	----	----				2	
Naka-dake						1240	----		x---	---x	x---	----	----				2	
Naka-dake						1265	1201?		x---	----	x---	----	----				2	
Naka-dake						1269	08		x---	---x	x---	----	----				2	
Naka-dake						1271	0105		x---	---x	x---	----	----				2	
Naka-dake						1272	0416		x---	---x	x---	----	--?-				2	
Naka-dake						1272	1129		x---	----	x---	----	----				2	
Naka-dake						1273	08		x---	----	x---	----	----				2	
Naka-dake						1274	----		x---	---x	x---	----	-x--				2	
Naka-dake						1281	07	1281 08	x---	---x	x---	----	----				2	
Naka-dake						1286	0830		x---	---x	x---	----	----				2	
Naka-dake						1305	0502		x---	---x	x---	----	----				2	
Naka-dake						1324	0907		x---	---x	x---	----	----				2	
Naka-dake						1331	04	1331 04	x---	----	x---	----	----				2	
Naka-dake						1331	12	1333 06	x---	---x	x---	----	?x--				2	
Naka-dake						1335	0207	1335 0326	x---	---x	x---	----	-x--				2	
Naka-dake						1340	0203	1340 0225	x---	---x	x---	----	-x--				2	
Naka-dake						1343	----		x---	----	x---	----	----				2	
Naka-dake						*? 1346*	----		x---	----	?---	----	----				*2*	
Naka-dake						*? 1369*	----		x---	----	?---	----	----				*2*	
Naka-dake						1375	1220	1376 0131	x---	---x	x---	----	--?-				2	
Naka-dake						1376	0620		x---	----	x---	----	----				2	
Naka-dake						1377	0506		x---	---x	x---	----	-xx-				2	
Naka-dake						1387	0619		x---	---x	x---	----	----				2	
Naka-dake						*? 1388*	*1016*		x---	---x	?---	----	----				*2*	
Naka-dake						*? 1390*	----		x---	----	----	----	-x--				*2?*	
Naka-dake						1434	0510	1434 0518	x		x	x				x	2	
Naka-dake						1438	0109	1438 0218	x---	---x	x---	----	----				2	
Naka-dake						1473	0516	1474 0415q	x---	---x	x---	----	-x--				2	
Naka-dake						1485	0105		x---	---x	x---	----	x---				2	
Naka-dake						1505	02		x---	----	x---	----	----				2	
Naka-dake						1506	0406		x---	----	x---	----	----				2	
Naka-dake						1522	0215		x---	---x	x---	----	----				2	
Naka-dake						1533	0717		x---	---x	x---	----	--x-				2	
Naka-dake						1542	0429		x---	----	x---	----	----				2	
Naka-dake						1558	----	1559	x---	----	x---	----	-x--				2	
Naka-dake						1562	03		x---	----	x---	----	----				2	
Naka-dake						*? 1563*	*0503*		x---	----	?---	----	----				*2?*	
Naka-dake						1564	12		x---	----	x---	----	----				2	
Naka-dake						1573	----		x---	----	x---	----	----				2	
Naka-dake						1574	----		x---	----	x---	----	----				2	
Naka-dake						1576	1115		x---	----	x---	----	--?-				2	
Naka-dake						1582	0217		x---	----	x---	----	----				2	
Naka-dake						1583	1214		x---	---x	x---	----	-x?-				2	
Naka-dake						1584	08		x---	----	x---	----	-x--				2	
Naka-dake						1587	----		x---	---x	x---	----	----				2	
Naka-dake						1592	----		x---	----	x---	----	----				2	
Naka-dake						1598	12	1599	x---	----	x---	----	----				2	
Naka-dake						1611	----		x---	----	x---	----	----				2	
Naka-dake						1612	0812		x---	----	x---	----	----				2	
Naka-dake						1613	0808		x---	---x	x---	----	----				2	
Naka-dake						1620	0603		x---	---x	x---	----	----				2	
Naka-dake						1631	12		x---	---x	x---	----	--?-				2	
Naka-dake						1637	0929	1637 1005	x---	----	x---	----	----				2	
Naka-dake						1649	07	1649 08	x---	----	x---	----	----				2	
Naka-dake						1668	02		x---	----	x---	----	----				2	
Naka-dake						1668	08	1669	x---	---x	x---	----	----				2	
Naka-dake						*? 1671*	----		x---	----	x---	----	----				*2*	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	NUMBER Start M-Dy	STATUS Stop Year	STATUS Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
	—	Area of Activity											Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Summit caldera / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Aso (Kyushu) *continued*		Naka-dake							1675	0216	....	....	x--- ---- x--- ---- ----	2	
		Naka-dake							1683	06	....	....	x--- ---- ---? ---- ----	2	
		Naka-dake							1691	04	1691	08	x--- ---- x--- ---- ----	2	
		Naka-dake						?	*1708*	*0917*	....	....	x--- ---- ---? ?--- ---- ----	*2*	
		Naka-dake							1709	0213	....	....	x--- ---- ---x x--- ---- ----	2	
		Naka-dake						?	*1753*	....	?*1754*	....	x--- ---- ---- ?--- ---- ----	*2?*	
		Naka-dake							1765	01 ?	1765	10 ?	x--- ---- ---- x--- ---- -xx-	3?	
		Naka-dake							1772	....	1780	....	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1781	....	1788	....	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1804	0905	....	....	x--- ---- ---x x--- ---- ----	2	
		Naka-dake							1806	06 ?	1806	10 ?	x--- ---- ---- x--- ---- -xx-	2	
		Naka-dake							1814	....	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1815	0210	1815	10	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake and west flank (Yunotani)							1816	0609	1816	0706	xx-- ---- x-x- ---- xx--	2	
		Naka-dake							1826	1003	1826	1122	x--- ---- x--- ---- -x--	2	
		Naka-dake							1827	05	....	....	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1827	1112	1828	01	x--- ---- ---- x--- ---- x---	2	
		Naka-dake							1828	06	....	....	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1829	06	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1830	0216	1830	03	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1830	0811	1832	08	x--- ---- ---x x--- ---- -x--	2	
		Naka-dake							1835	0501	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1837	1008	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1838	0304	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1854	0226	....	....	x--- ---- ---x x--- ---- x---	2	
		Naka-dake							1856	0318	1856	0613	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1872	1201	1873	0608	x--- ---- ---x x--- ---- xx?-	3*	
		Naka-dake							1874	0207	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1884	0321	1884	06	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1894	0306	1894	0830	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1897	0224d	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1898	08 ?	1899	04 >	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1906	0607	....	....	x--- ---- ---- x--- ---- ----	3	
		Naka-dake							1907	1212	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1908	0117	1908	0129?	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1909	04	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1910	0403	....	....	x--- ---- ---- ?--- ---- ----	2	
		Naka-dake							1911	....	1912	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1914	0113	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1916	0419	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1918	0116	....	....	x--- ---- ---- x-x- ---- ----	2	
		Naka-dake							1919	04	1919	05	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1920	....	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1923	01	1923	0917	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1925	0106	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1926	0921	1928	0113	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1928	0906	1929	1023	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1930	0903	1930	0906	x--- ---- ---- x--- ---- ----	2	
		Naka-dake						?	*1931*	*1018*	....	....	x--- ---- ---- --?- ---- ----	*1?*	
		Naka-dake							1932	06	1933	0928	x--- ---- ---x x--- ---- -x--	2	
		Naka-dake							1934	0716	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1935	0107	1935	1008	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1936	0205	1936	0205	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1936	0808	1936	0814	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1937	0113	1937	0113	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1937	0507	1937	0513	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1938	....	1939	0811	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1940	0420	1941	0808	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake						?	*1942*	*0608*	?*1942*	*0622*	x--- ---- ---- ---- ---- ----	*1?*	
		Naka-dake							1943	0621	1943	0624	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1943	1209	1944	02	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1945	0916	1945	0919	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1946	0429	1946	0624	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1946	1230	1946	1230	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1947	0526	1947	09	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1948	0409	1948	12	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1949	1226	1950	0415	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1950	11	1951	01	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1951	0504	1951	08	x--- ---- ---- x--- ---- ----	2	
		Naka-dake						?	*1952*	....	....	....	x--- ---- ---- ---- ---- ----		
		Naka-dake							1953	0427	1953	0730	x--- ---- ---- x--- ---- xx--	2	
		Naka-dake							1953	12	1953	12	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1954	0526	1954	0526	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1955	0725	1955	0728	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1956	0103?	1956	0113	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1956	08	....	....	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1956	1221	1956	1221	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1957	0412	1957	0412	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1957	10	1958	12	x--- ---- ---- x--- ---- xx--	2*	-/5
		Naka-dake							1959	07	1959	1002	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1960	01	1960	0409	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1960	09	1962	11	x--- ---- ---- x-x- ---- ----	1	
		Naka-dake							1963	0421	1963	07	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1963	1110	1964	01	x--- ---- ---- x--- ---- ----	2	
		Naka-dake							1964	0514	1964	0514	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1964	10	1966	12	x--- ---- ---x x-x- ---- -x--	2*	
		Naka-dake							1967	05	1969	12	x--- ---- ---x x--- ---- ----	1	
		Naka-dake							1970	0421	1972	09	x--- ---- ---x x--- ---- ----	2	
		Naka-dake							1973	01	1975	06	x--- ---- ---- x--- ---- -x--	2	
		Naka-dake							1975	10	1976	0113	x--- ---- ---- x--- ---- ----	1	
		Naka-dake							1977	0411	1978	08	x--- ---- ---x x--- ---- -x--	2	
		Naka-dake							1979	0605d	1980	0308	x--- ---- ---x x-x- ---- xx--	2*	
		Naka-dake							1980	0924	1980	0924	x--- ---- ---x x-x- ---- ----	1	
		Naka-dake							1981	0615	1981	0615	x--- ---- ---x x-x- ---- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Aso (Kyushu) *continued*		Naka-dake									1983	07	1983	10	x--- ---x --x- ---- ----	1	
		Naka-dake									1984	0413c	1985	0624	x--- ---x x-x- ---- ----	1	
		Naka-dake									1988	0526e	1989	01	x--- ---x --x- ---- ----	1	
		Naka-dake									1989	0405	1991	0209	x--- ---x xxx- ---- -x--	2*	
		Naka-dake									1992	0423	1993	0610?	x--- ---x x-x- ---- ----	2*	
		Naka-dake									1994	0502	1995	11	x--- ---x x-x- ---- ----	2*	
		Naka-dake									2003	0710	2003	0714	x--- ---x x-x- ---- ----	1	
		Naka-dake									2004	0114	2004	0114	x--- ---x x-x- ---- ----	1	
		Naka-dake									2005	0414	2005	08	x--- ---x x-x- ---- ----	1	
		Naka-dake									2008	0217	2008	0217	x--- ---x x-x- ---- ----	1	
Kuju (Kyushu)	33 083 N	131 251 E	1791	4567				ADb	Stratovolcanoes	0802-12=	Historical						
		(tephra layer A2)								G-9160*	....	....	....	....	x--- ---- x--- --x- ----	4	8/8
		Sensui-zan								T-7180*	....	....	....	....	x--- ---- -x-A --x- ----		8/-
		Tachi-san, Gakurokuji								T-4490z	....	....	....	....	x--- ---- ---- x--- ----		8/-
		Taisen-Hokubu lava dome (tephra layer A1)								G-3780z	....	....	....	....	x--- ---- x--- --x- ----	4	8/8
		Iwaigo-dake, Ogigahana, Hizengajo								T-3110z	....	....	....	....	x--- ---- ---- x-x- ----		8/-
		Danbaru (tephra layer DS)								G-2440y	....	....	....	....	x--- ---- x--- x--- ----	4	7/8
		Taisen-Minami								T-1720y	....	....	....	....	x--- ---- ---- x-x- ----		8/-
		Komekubo crater (tephra layer KA)								G-0990*	....	....	....	....	x--- ---- x--- x--- ----	4	-/8
		Komekubo crater (tephra layer KB)								G-0100y	....	....	....	....	x--- ---- x--- ---- ----	4	-/8
		Kuro-dake								G 0370s	....	....	....	....	x--- ---- xx-- --x- ----	3	9/7
										1662	0126?	....	....	x--- ---- --x- ---- ----	2?	
										1675	06 ?	....	....	---- ---- ?--- ---- ----	2?	
										? 1738	*0813*	....	....	---- ---- --?- ---- ----	*2?*	
		Hosho lava dome (east flank)								1995	1011	1996	0324	---x ---- x-x- ---- --x-	1	-/5
Tsurumi (Kyushu)	33 28 N	131 432 E	1584	5667				AD	Lava domes	0802-13=	Historical						
		Yufu-dake summit and N flank (Ikeshiro)								C-0200t	....	....	....	....	xx-- ---- xx-A x-x- ----	4	
										0771	....	....	....	....	x--- ---- ---- --x- ----	0	
										0867	0304	0867	0504m	x--- ---? x--- ---- -x--	3	
HONSHU																	
Abu (Honshu)	34 50 N	131 60 E	641	4467				ABD	Shield volcanoes	0803-001	Thermoluminescence						
		Kasa-yama								N-6850?	....	....	....	....	x--- ---- x--- ---- ----		
Sanbe (Honshu)	35 13 N	132 62 E	1126	4467				DA	Stratovolcano	0803-002	Radiocarbon						
										G-3550t	....	....	....	....	x--- ---- xx-- ---- ----		
		Taihei-zan								T-1920?	....	....	....	....	x--- ---- xx-- --x- ----	4	9/8
										G 0650t	....	....	....	....	x--- ---- x-?- ---- ----		
Oki-Dogo (Honshu-W of)	36 176 N	133 334 E	151	4556				B	Shield volcano	0803-003	Anthropology						
Izu-Tobu (Honshu)	34 900 N	139 098 E	1406	4568				BADr	Pyroclastic cones	0803-01=	Historical						
		Akakubo								T-8050?	....	....	....	....	xx-- ---- x--- x--- ----	3	6/7
		Omuro-yama								G-2100v	....	....	....	....	xx-- ---- x--- x-x- --x-	4	8/8
		Yoichizaka								T-2050?	....	....	....	....	x--- ---- x--- x--- ----		6/-
		Kawagodaira								G-1150t	....	....	....	....	x--- ---- xx-- x-x- --x-	4+	8/8
		Iwano-yama, Iyuzan, and other vents								T-0750?	....	....	....	....	x--x ---- x-x- x-x- ----	3	8/7
		3.6 km NE of Teishi-jima								*? 1930*	*0301*p	....	....	....	---- ?--- ---- ---- ----		
		Teishi-kaikyu (4 km NE of Ito City)								1989	0713	1989	0713	---- x--- --x- ---- ----	1	-/5
Hakone (Honshu)	35 230 N	139 024 E	1438	5578				ABD	Complex volcano	0803-02=	Radiocarbon						
		Kami-yama (Hk-Km5 tephra)								G-6000v	....	....	....	....	x--- ---- xx-- ---- ----	3	-/7
		Futago-yama								G-3700v	....	....	....	....	x--- ---- -x-- --x- ----	1	8/5
		NW side of Kami-yama (Kanmuriga-take)								G-1400v	....	....	....	....	x--- ---- ---- --xA ----		
		NW side of Kami-yama (Kanmuriga-take)								G-1200?	....	....	....	....	x--- ---- xxx- --xx ----	2	8/6
		NE of Kamiyama (Hk-Ow1 tephra)								T-1050?	....	....	....	....	x-x- ---- x-x- ---- --x-		
		NE of Kamiyama (Hk-Ow2 tephra)								T-0050?	....	....	....	....	x-x- ---- xxx- ---- --x-		
		Owakudani (Hk-Ow 3-5 tephras)								G 1170v	....	....	....	....	xx-- ---- x-x- ---- ----		
Fuji (Honshu)	35 358 N	138 731 E	3776	3468				Bad	Stratovolcano	0803-03=	Historical						
		South flank? (Mishima)								C-8540>	....	....	....	....	-x-- ---- ---- x--- ----		9/-
		(tephra layer S-0-1)								C-7820x	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer S-0-2)								C-7530y	....	....	....	....	x--- ---- x--- ---- ----		
		(Motomura-yama lava flow)								C-7310z	....	....	....	....	x--- ---- ---- x--- ----		
		(Saruhashi and Shiraito lava flows)								C-6580<	....	....	....	....	x--- ---- ---- x--- ----		
		(tephra layer S-0-3)								C-6240y	....	....	....	....	x--- ---- x--- ---- ----		
		(Nashigahara lava flow)								T-6050?	....	....	....	....	---- ---- ---- x--- ----		
		(tephra layer S-0-4)								C-5540x	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer I-7)								C-5070x	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer S-0-5)								T-4730z	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer S-0-6)								T-4120y	....	....	....	....	x--- ---- x--- ---- ----		
										C-3690v	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer S-5)								C-3050?	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer S-6)								T-2800y	....	....	....	....	x--- ---- x--- ---- ----		
		(Nihon-Land lava flow)								T-2550?	....	....	....	....	---- ---- ---- x--- ----		
		(tephra layer SNG)								C-2450z	....	....	....	....	x--- ---- x--- ---- ----		
										C-2050?	....	....	....	....	---- ---- xx-- ---- ----		
										C-1850w	....	....	....	....	---- ---- xx-- ---- ----		
		(tephra unit SYP1)								G-1510v	....	....	....	....	x--- ---- xx-- ---- ----		
		(tephra layer S-10)								T-1450v	....	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer Os)								T-1350?	....	....	....	....	x--- ---- x--- ---- ----	5	-/9
		(tephra unit SYP2)								G-1300w	....	....	....	....	x--- ---- xx-- ---- ----		
		NW flank (Omuro-yama)								T-1030?	....	....	....	....	-x-- ---- x--- x--- ----	4+	-/8
		(tephra unit SYP3)								G-1010v	....	....	....	....	x--- ---- xx-- ---- ----		
		Upper SE flank (tephra layer Zu)								C-0930>	....	....	....	....	-x-- ---- x--- ---- ----	5	-/9
		(tephra layer SPY4)								G-0780z	....	....	....	....	x--- ---- xx-- ---- ----		
		(tephra layer S-18)								G-0520y	....	....	....	....	x?-- ---- x--A ---- ----		
		(tephra layer Yu-2)								T-0190v	....	....	....	....	x--- ---- x--- ---- ----		
		South flank								C-0100w	....	....	....	....	-x-- ---- x--- x--- ----		
		NW flank (Futatsuzuka)								T 0050?	....	....	....	....	-x-- ---- x--- ---- ----	2	
		NW flank (Ohira-yama)								T 0100?	....	....	....	....	-x-- ---- x--- ---- ----	2	
		NW flank (Sajiki-yama)								T 0200?	....	....	....	....	-x-- ---- x--- ---- ----	2	
		NE flank (Hinokimarubi lava flow)								T 0220?	....	....	....	....	-x-- ---- x--- x--- ----	2	
		SE flank (tephra layer S-24-2)								C 0240w	....	....	....	....	-x-- ---- x?-- ---- --?-		
		NW flank (Kita-Koriike)								T 0250?	....	....	....	....	-x-- ---- x--- ---- ----	2	
		NW flank (Oniwa-Okuniwa)								T 0300?	....	....	....	....	-xx- ---- x--- x--- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Fuji (Honshu) *continued*															
SE flank (Kurotsuka)								C	0350y	....	....	....	-x-- ---- x--- x--- ----	3	
SSE flank (Obuchi Craters)								C	0370x	....	....	....	-x-- ---- x--- x--- ----		
SE flank (Akatsuka)								T	0400?	....	....	....	-x-- ---- x--- x--- ----	2	
SE flank (Kita-Kansu-yama)								C	0470v	....	....	....	-x-- ---- x--- ---- ----	3?	
SE flank (Makuiwa, Nishi-Futatsuzuka)								C	0520v	....	....	....	-x-- ---- x--- x--- ----	2	
South flank (Takabachi)								T	0530?	....	....	....	-x-- ---- x--- x--- ----	3	
NW flank (Kori-ike, Hakudairyuo)								C	0720v	....	....	....	-x-- ---- x--- x--- ----	2	
									0781	07	0781	07	---- ---- x--- ---- ----	3	
Summit, NE and NW flanks (Tenjin-yama)									0800	0411	0802	0206>	xxx- ---- x--- x--- -x--	4	
									0826	1231p	....	....	---- ---- ?--- ---- ----	2?	
NW flank (Koriana)									0830	....	....	....	--x- ---- x--- x--- ----	2	
NW flank (Nagao-yama, Kudari-yama)									0864	0612?	0866	0201p	-xx- ---- x--- x--- -x--	3	9/-
									0870	08	....	....	x--- ---- x--- ---- ----	2?	
North flank (Kenmarubi I)									0932	1119	....	....	--x- ---- x--- x--- -x--	2?	
North flank (Kenmarubi II?)									0937	1218	....	....	--x- ---- x--- x--- ----	2	
NE flank								?	*0952*	*03* ?	....	....	-x-- ---- ---- ---- ----		
								?	*0993*	*0901*p	....	....	---- ---- ---- ---- ----		
South flank ?									0999	03	....	....	-x-- ---- ?--- ?--- ----	2?	
North flank								?	*1017*	*1001*p	....	....	-x-- ---- ---- ---- ----		
Summit, SSE flank (Nishi-Asakizuka)									1033	0119?	....	....	xx-- ---- x--- x--- ----	2	
									1083	0417	....	....	---- ---- ---- ---- ----	2?	
								?	*1427*	*0628*	....	....	---- ---- ?--- ---- ----		
North flank (Onagare lava?)									1435	1231r	....	....	-x-- ---- x--- x--- ----	2?	
									1511	0901p	....	....	---- ---- ---- x--- ----	2?	
(possibly only non-eruptive lahar)								?	*1560*	*0104*	....	....	---- ---- ---- ---- --x-		
(possibly confused with 1707 eruption)								?	*1627*	....	....	....	---- ---- ---- ---- ----		
									1700	....	....	....	---- ---- ---- ---- ----	2?	
SE flank (Hoei Craters)									1707	1216	1708	0224?	-xx- ---- x--- ---- -xx-	5	-/9
								?	*1708*	*12*	?*1709*	*0116*?	---- ---- ?--- ---- ----		
South flank?								?	*1770*	*0916*	....	....	-x-- ---- ?--- ?--- ----		
								?	*1854*	*1223*	?*1855*	*0109*	---- ---- ---- ---- ----		
Kita Yatsuga-take (Honshu)	**36.10 N**	**138.30 E**	**2530**	4567	ADB			**Stratovolcanoes**	**0803-031**		**Radiocarbon**				
Yoko-dake (NYk-2 tephra)								G	0400>	....	....	....	x--- ---- x--- ---- ----		
Yoko-dake (NYk-1 tephra)								G	1200v	....	....	....	x--- ---- x--- x--- ----		6/-
On-take (Honshu)	**35.890 N**	**137.48 E**	**3063**	3457	ABDR			**Complex volcano**	**0803-04=**		**Historical**				
								?	*0774*	....	....	....	---- ---- ---- ---- ----		
200 m SW of Kengamine									1979	1028	1980	0425	x--- ---- xxx- ---- -x--	1	
Haku-san (Honshu)	**36.152 N**	**136.774 E**	**2702**	3357	AD			**Stratovolcano**	**0803-05=**		**Historical**				
(Hm-1 tephra)								G	7550t	....	....	....	x--- ---- x-x- ---- ----		
(Hm-3 tephra)								T	7050z	....	....	....	x--- ---- x-x- ---- ----		
(Hm-4 tephra)								G	6550t	....	....	....	x--- ---- x-x- ---- ----		
(Hm-5 tephra)								C	5000?	....	....	....	x--- ---- x-x- ---- ----		
(Hm-7 tephra)								G	3900x	....	....	....	x--- ---- x-x- ---- ----		
(Hm-8 tephra)								T	3550z	....	....	....	x--- ---- x-x- ---- ----		
(Hm-9 tephra)								G	2550w	....	....	....	x--- ---- x-x- ---- ----		
Kengamine (Hm-10 tephra)								G	0200?	....	....	....	x--- ---- x-x- x-x- ----	4	8/8
(Hm-11,12 tephras)								T	0200?	....	....	....	x--- ---- x-x- ---- ----		
(Hm-13 tephra)								G	0500v	....	....	....	x--- ---- x-x- ---- ----		
									0706	09 ?	....	....	x--- ---- x-x- ---- ----		
(Hm-14 tephra?)								?	*0853*	....	....	....	x--- ---- x-?- ---- ----		
								?	*0859*	....	....	....	---- ---- ?--- ---- ----		
								?	*0884*	....	....	....	---- ---- ---- ---- ----		
								?	*0900*?	....	....	....	---- ---- ?--- ---- ----		
Midoriga-ike									1042	....	....	....	x--- ---- ---- --x- ---- -xx-	3?	
								?	*1177*	*0518*	....	....	x--- ---- ---- ?-x- ---- ----	*3?*	
									1239?	....	....	....	x--- ---- xx-- --x- ----	3	-/7
									1547	0304	1547	10 ?	x--- ---- x-x- ---- -x--	3	
									1548	....	....	....	x--- ---- ?-x- ---- ----	3?	
SW of Midoriga-ike									1554	05	1556	....	x--- ---- xxx- ---- -x--	3	
Jigoku-no-oana									1579	0927a	....	....	x--- ---x x-x- ---- -xx-	3	
									1582	....	....	....	x--- ---- x--- ---- ----	2	
(ashfall attributed to Komaga-take)								X	*1640*	*0802*?	....	....	---- ---- ---- ---- ----		
									1658	10 ?	....	....	x--- ---- x--- ---- ----	2?	
Midoriga-ike									1659	0421	1659	0808	x--- ---- x-x- ---- ----	2?	
Norikura (Honshu)	**36.103 N**	**137.557 E**	**3026**	3467	AD			**Stratovolcanoes**	**0803-06=**		**Radiocarbon**				
Kengamine								G	7700w	....	....	....	x--- ---- x-x- ---- ----	3	-/7
Ichino-ike (Kuraigahara tephra)								G	7250w	....	....	....	x--- ---- x-x- x--- ----	3	8/7
								T	0050?	....	....	....	x--- ---- x-x- x--- ----	3	8/7
Yake-dake (Honshu)	**36.224 N**	**137.590 E**	**2455**	3467	AD			**Stratovolcanoes**	**0803-07=**		**Historical**				
Akandana-yama								T	7450?	....	....	....	---- ---- ---- x--- ----	0	
								T	2550?	....	....	....	x--- ---- ---- x--- ----	0	9/-
(Ykd-Tl1 tephra)								T	0850?	....	....	....	x--- ---- x-x- ---- ----		
(Ykd-Tl2 tephra)								T	0400?	....	....	....	x--- ---- x-x- ---- ----		
								G	0350?	....	....	....	x--- ---- xxx- x--- ----	4	8/8
(Ykd-Tu1 tephra)								T	0630?	....	....	....	x--- ---- x-x- ---- ----	1	-/5
(Ykd-Tu2 tephra)									0686	....	....	....	x--- ---- x-x- ---- ----	2	-/6
(Ykd-Tu3 tephra)								T	1270?	....	....	....	x--- ---- x-x- ---- ----		
(Ykd-Tu4 tephra)								T	1440?	....	....	....	x--- ---- x-x- ---- ----		
(Ykd-Tu5 tephra)								T	1460?	....	....	....	x--- ---- x-x- ---- ----	2	-/6
(Ykd-Tu6 tephra)									1585	12 ?	....	....	x?-- ---- --x- ---- -xx-	3↑	
(Ykd-Tu7 tephra)									1746	0418	1746	0419	x--- ---- x-x- ---- ----	2	-/6
Summit crater (Shoga-ike)									1907	1208	1909	0601	x--- ---- x-x- ---- ----	2	
Summit crater (Shoga-ike)									1910	1111	1910	1130	x--- ---- x-x- ---- ----	2	
New summit crater (Inkyo-ko)									1911	0506	1911	0823?	x--- ---- x-x- ---- ----	2	
									1912	0211	1912	09 ?	x--- ---- x-x- ---- ----	2	
Inkyo-ko									1913	0901?	1914	0113	x--- ---- x-x- ---- ----	2	
									1915	02	1915	02	x--- ---- x--- ---- ----	2?	
1911 summit crater, SE flank (Taisho)									1915	0606	1915	0716	x-x- ---- x-x- ---- -xx-	2	-/6
Taisho Crater, Inkyo-ko									1916	0317	1916	0412?	x-x- ---- x-x- ---- ----	2	
Taisho Crater									1917	....	....	....	--x- ---- --x- ---- ----	1	
Taisho crater									1918	....	....	....	--x- ---- --x- ---- ----	1	
NW flank (Kurodani Crater)									1919	1101	1919	1101	-x-- ---- --x- ---- ----	2	
									1920	....	....	....	---- ---- --x- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Yake-dake (Honshu) *continued*								1921	....	....	....	---- ---- --x- ---- ----		
		NW flank (Kurodani Crater), Inkyo-ko						1922	0310	1922	0319	xx-- ---- x-x- ---- ----	1?	
		NW flank (Kurodani Crater), Inkyo-ko						1923	0626	1923	0802	xx-- ---- x-x- ---- ----	2	
		Summit (Inkyo-ko), NW flank (Kurodani)						1924	1116	1926	0127	xx-- ---- x-x- ---- ----	2	
		Summit (Inkyo-ko), NW flank (Kurodani)						1927	0123	1927	0429	xx-- ---- x-x- ---- ----	2	
		Summit (Inkyo-ko), NW flank (Kurodani)						1927	1215	1927	1215	xx-- ---- x-x- ---- ----	2	
		Summit (Inkyo-ko), NW flank (Kurodani)						1929	0417	1929	0419	xx-- ---- x-x- ---- ----	2	
		Inkyo-ko						1930	0313	1930	0511?	x--- ---- --x- ---- ----	2	
								1931	0326	1931	0624	---- ---- x-x- ---- -x--	2	
								1932	0206	1932	0206	---- ---- x-x- ---- ----	2	
								1935	0911	1935	1112	---- ---- x-x- ---- ----	2	
								1939	0604	1939	0604	---- ---- x-x- ---- ----	2	
		North flank (Kurodani and Nakao-toge)						1962	0617	1963	0629	--x- ---- x-x- ---- -xx-	2	-/6
		SE flank (Azusa-gawa)						1995	0211	1995	0211	-x-- ---- --x- ---- xx--	1	-/3
Washiba-Kumonotaira (Honshu)	36.408N	137.594E	2924	2367	ADB	**Shield volcanoes**		0803-071		**Holocene**				
Tate-yama (Honshu)	36.568N	137.593E	2621	3367	AD	**Stratovolcano**		0803-08=		**Historical**				
		Jigoku-dani						T-7300*	....	....	....	x--- ---- x-x- ---- ----		
		Jigoku-dani						T-3200*	....	....	....	x--- ---- x-x- ---- ----		
		Jigoku-dani						T-0900?	....	....	....	x--- ---- --x- ---- ----		
								? 0704	....	....	....	---- ---- ---- ---- ----		
		Jigoku-dani						1836	0709	....	....	x--- ---- --x- ---- ----	1	-/5
		Jigoku-dani						1839	0610	....	....	x--- ---- x-x- ---- ----	2	
		(landslide, lahars; no eruption)						*X 1858*	*0408*	....	....	---- ---- --?- ---- x-x-		
Niigata-Yake-yama (Honshu)	36.918N	138.039E	2400	2367	AD	**Lava dome**		0803-09=		**Historical**				
		(Koyaike Ash; tephra layer KG-e)						T-1900*	....	....	....	?--- ---- xx-- x-x- --x-		
								G-1750?	....	....	....	?--- ---- xx-- x--- --x-		
		(Koyaike Ash; tephra layer KG-d)						G-0700v	....	....	....	?--- ---- xx-- ---- ----	3	
								0813?	....	....	....	?--- ---- xxx- x--- ----		
		(Koyaike Ash; tephra layer KG-c)						0887	....	....	....	x--- ---- xx-- x--- -xx-	4	-/8
		(Koyaike Ash; tephra layer KG-c?)						0989	....	....	....	x--- ---- x?-- ---- ----		
		(Koyaike Ash; tephra layer KG-b)						1361	....	....	....	x--- ---- xx-- x-x- -xx-	3	8/7
		(Koyaike Ash; tephra layer KG-a)						1773	....	....	....	x--- ---- xx-- ---- -xx-	3	-/7
		NW flank						1852	1101	1853	05 ?	-x-- ---- x-x- ---- ----	2	
		NW flank						1854	....	....	....	-x-- ---- --?- ---- ----		
		NE-SW fissures, both sides of summit						1949	0205	1949	0913	--x- ---- x-x- ---- --x-	2	
								1962	0314	1962	0314	x--- ---- x-x- ---- ----	1	
								1963	0214	....	....	---- ---- --x- ---- ----	1	
								1963	0710	1963	0930	--x- ---- --x- ---- ----	1	
		WNW and NNE side of lava dome						1974	0728	1974	0728	--x- ---- xxx- ---- xxx-	2	-/5
								1983	0414?	1983	0415?	x--- ---- x-x- ---- ----	1	
								1987	0425e	....	....	---- ---- x-?- ---- ----	1	
		Upper East flank						1989	0419	1989	0426	-x-- ---- x-x- ---- ----	1	
		Upper east flank						1997	1029	1997	1210	-x-- ---- x-x- ---- ----	1	
		Upper east flank						1998	0330	....	....	-x-- ---- x-x- ---- ----	1	
Myoko (Honshu)	36.888N	138.12 E	2446	4567	ADB	**Stratovolcano**		0803-10=		**Radiocarbon**				
		(Akakura Ash; AK-a tephra)						G-4750y	....	....	....	x--- ---- xxx- ?--- ----	5?	-/9
								T-4300?	....	....	....	x--- ---- x--- x--- ----		
								T-4000?	....	....	....	x--- ---- x-x- ---- ----		
								T-3700?	....	....	....	x--- ---- xx-- ---- ----		
								T-3450?	....	....	....	x--- ---- xx-- ---- ----		
								T-2900?	....	....	....	x--- ---- x-x- ---- ----		
		(Otagirigawa Ash; OT-a tephra)						G-2750v	....	....	....	x--- ---- xxx- ---- ----	4	-/8
								T-2100z	....	....	....	---- ---- x-x- ---- ----		
								T-1200?	....	....	....	x--- ---- -xx- ---- ----		
								T-0750	....	....	....	x--- ---- -xx- ---- ----		
Asama (Honshu)	36.403N	138.526E	2568	3567	AD	**Complex volcano**		0803-11=		**Historical**				
								G-7200x	....	....	....	x--- ---- x--- ---- ----		
								T-6400*	....	....	....	x--- ---- x--- ---- ----		
		(AM-10 tephra)						T-4700z	....	....	....	x--- ---- x--- ---- ----		
								G-4200v	....	....	....	x--- ---- xx-- ---- ----		
		(As-E tephra)						C-3450?	....	....	....	x--- ---- x--- ---- ----	3	
		(As-D tephra layers)						A-2550z	....	....	....	x--- ---- x--- ---- ----	4	
								T-1130*	....	....	....	x--- ---- x--- ---- ----		
		(As-C tephra)						A 0350j	1115m	....	....	x--- ---- xx-- x--- -x--	4	8/8
								@ 0685	04	....	....	x--- ---- x--- ---- ----	3	
		(eruption from Niigata-Yake-yama)						*X 0887*	....	....	....	x--- ---- ?--- ---- ----		
								1108	0829	1108	10	x--- ---- xx-- x--- ----	5	8/9
								? 1128	....	....	....	x--- ---- x--- ---- ----		
								? 1281	*0703*	....	....	x--- ---- xx-- ---- ----	*3*	
								? 1427	*0707*	....	....	x--- ---- ?--- ---- ----		
								? 1518	....	....	....	x--- ---- ?--- ---- ----		
								1527	05	....	....	x--- ---- x--- ---- ----	2	
								1528	....	....	....	x--- ---- x--- ---- ----	2	
								? 1532	*0114*	....	....	x--- ---- ?--- ---- --?-		-/6
								? 1534	....	....	....	x--- ---- ---- ---- ----		
								1582	0216	....	....	x--- ---- x--- ---- ----	2	
								1582	0703	....	....	x--- ---- x--- ---- ----	2	
								1590	0415q	....	....	x--- ---- x--- ---- ----	2?	
								1591	0415q	....	....	x--- ---- x--- ---- ----	2?	
								1591	1129	....	....	x--- ---- x--- ---- ----	3?	
								1595	0601	....	....	x--- ---- ?--- ---- ----	2?	
								1596	0501	1596	09	x--- ---- x--- ---- x---	3	-/7
								1597	0417	....	....	x--- ---- x--- ---- ----	2	
								1598	0513	....	....	x--- ---- x--- ---- x---	2	
								1600	0114	1600	0128?	x--- ---- x--- ---- ----	3?	
								? 1604	....	....	....	x--- ---- ?--- ---- ----	*2*	
								1605	12	1606	02	x--- ---- x--- ---- ----	2	
								1609	0405	....	....	x--- ---- x--- ---- ----	2	
								1644	0220	....	....	x--- ---- x--- ---- ----	2	
								1645	0224?	1645	0521	x--- ---- x--- ---- ----	2	
								1647	0218	1647	0325	x--- ---- x--- ---- ----	2	
								1648	0320?	....	....	x--- ---- x--- ---- --x-	2	
								1648	0830?	....	....	x--- ---- x--- ---- ----	2	

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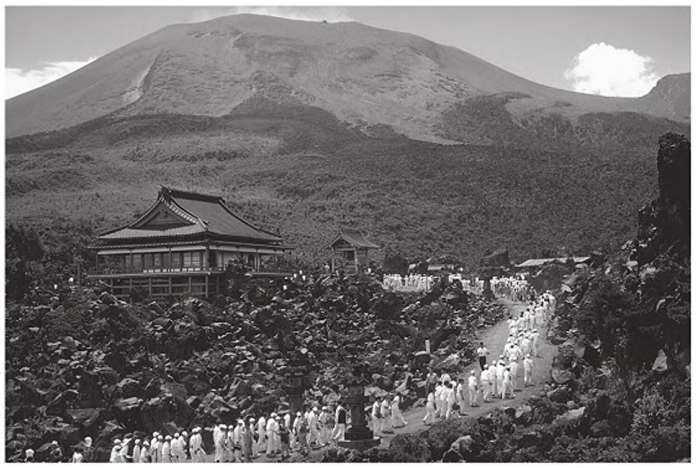
VOLCANO NAME (Subregion) . . . . . **LAT** **LONG** **ELEV** (m) **POPL** 5 km 10 30 100 **ROCK TYPE** **VOLC TYPE** **NUMBER** **STATUS**

ERUPTION — Area of Activity

	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Flank fissure / Regional / Submarine / Intracaldera / Subglacial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
	1649	0817?	1649	0818?	x--- ---- x--- ---- ----	2	
?	*1650*	*0702?*	....	....	x--- ---- ?--- ---- ----	*2?*	
	1651	0412	....	....	x--- ---- x--- ---- ----	2	
	1652	0412	....	....	x--- ---- x--- ---- ----	2	
?	*1653*	....	*?1654*	....	x--- ---- ?--- ---- ----	*2?*	
	1655	1125	....	....	x--- ---- x--- ---- ----	2	
	1656	1210	....	....	x--- ---- x--- ---- ----	2	
	1657	1125	....	....	x--- ---- x--- ---- ----	2	
	1658	0724	....	....	x--- ---- x--- ---- ----	2	
	1659	0724	....	....	x--- ---- x--- ---- ----	2	
	1660	0408?	....	....	x--- ---- x--- ---- ----	2	
	1661	0414	1661	0427	x--- ---- x--- ---- ----	2	
	1661	1021	....	....	x--- ---- x--- ---- ----	2	
	1669	0405	1669	0415	x--- ---- x--- ---- ----	2	
	1695	0623	....	....	x--- ---- x--- ---- ----	2	
	1703	....	....	....	x--- ---- x--- ---- ----	2	
	1704	0205	1704	0209	x--- ---- x--- ---- ----	2	
	1706	1120	....	....	x--- ---- x--- ---- ----	2	
	1708	1229	1709	0108	x--- ---- x--- ---- ----	2	
	1710	0325	1710	0413	x--- ---- x--- ---- ----	2	
	1711	0413	....	....	x--- ---- x--- ---- ----	2	
	1713	0629	....	....	x--- ---- x--- ---- ----	2	
	1717	0923	....	....	x--- ---- x--- ---- ----	2	
	1718	0926	....	....	x--- ---- x--- ---- ----	2	
@	1719	0610	@1719	0611	---- ---- x--- ---- ----		
	1720	0606	....	....	x--- ---- x--- ---- ----	2	
	1721	0622	....	....	x--- ---- x--- ---- x---	1	-/5
	1722	1118	1723	0205	x--- ---- x--- ---- ----	2	
	1723	0820	....	....	x--- ---- x--- ---- ----	2	
	1728	1110	....	....	x--- ---- x--- ---- ----	2	
	1729	02	....	....	x--- ---- x--- ---- ----	2	
	1729	11	1729	12	x--- ---- x--- ---- ----	2	
	1731	....	....	....	x--- ---- x--- ---- ----	2	
	1732	0730	....	....	x--- ---- x--- ---- ----	2	
	1733	0730	....	....	x--- ---- x--- ---- ----	2	
	1752	09	1752	10	x--- ---- ?--- ---- ----	2?	
	1754	0807	1754	0819	x--- ---- x--- ---- ----	2	
	1755	0705	1755	0806	x--- ---- x--- ---- ----	2	
	1762	04	....	....	x--- ---- x--- ---- ----	2	
@	1769	0806	....	....	---- ---- x--- ---- ----		
	1776	0905	....	....	x--- ---- x--- ---- ----	2	
	1777	....	....	....	x--- ---- x--- ---- ----	2	
?	*1779*	*09 ?*	....	....	---- ---- x--- ---- ----		
	1783	0509	1783	0805	x--- ---- xx-- x--- xxx-	4*	8/8
	1803	0704	....	....	x--- ---- x--- ---- ?---	2	
	1803	1107	1803	1121	x--- ---- x--- ---- ?---	2	
	1815	0228	....	....	x--- ---- x--- ---- ----	3	
	1869	05	1869	1023	x--- ---- x--- ---- ----	2	
	1875	0614	....	....	x--- ---- x--- ---- ----	2	
?	*1878*	....	....	....	x--- ---- x--- ---- ----	*2*	
	1879	0927	1879	0928	x--- ---- x--- ---- ----	2	
	1889	1224	....	....	x--- ---- x--- ---- ----	2	
	1891	10 ?	1891	11 ?	x--- ---- ?--- ---- ----		
?	*1892*	....	....	....	x--- ---- ?--- ---- ----		
	1894	0406	1894	0614	x--- ---- x--- ---- ----	2	
	1899	0311	....	....	x--- ---- x--- ---- ----	2	
	1899	0710	1899	0807	x--- ---- x--- ---- ----	2	
	1900	0122	1901	10	x--- ---- x--- ---- ----	2	
	1902	0207	1902	0207	x--- ---- x--- ---- ----	2	
	1902	0805	1902	0820?	x--- ---- x--- ---- ----	2	
?	*1903*	*0528*	*?1903*	*0630*	x--- ---- ?--- ---- ----	*2*	
	1904	0804	1904	0804	x--- ---- x--- ---- ----	2	
?	*1905*	....	....	....	---- ---- ?--- ---- ----		
	1906	0406	1906	0406	x--- ---- x--- ---- ----	2	
	1907	0118	1907	0328	x--- ---- x--- ---- ----	2	
	1907	0824	1907	0824	x--- ---- x--- ---- ----	2	
	1908	0213?	1908	0219	x--- ---- x--- ---- ----	2	
	1908	0805	1908	0923	x--- ---- x--- ---- ----	2	
	1909	0129	1914	0624	x--- ---- x--- ---- xx--	1	-/5
	1914	1112	1914	1216	x--- ---- x--- ---- ----	2	
	1915	0513?	1915	0827	x--- ---- x--- ---- ----	1	
	1916	0512?	1916	1002	x--- ---- x--- ---- ----	1	
	1917	0503?	1917	0731?	x--- ---- x--- ---- ----	1	
?	*1918*	....	....	....	?--- ---- ?--- ---- ----		
	1919	0314	1919	0827?	x--- ---- x--- ---- ----	2	
	1920	1206	1922	0405	x--- ---- x--- ---- ----	2	
	1924	0907	1924	0929	x--- ---- x--- ---- ----	2	
	1927	03 ?	1928	0725	x--- ---- x--- ---- ----	2	
	1929	0122	1929	0405	x--- ---- x--- ---- ----	2	
	1929	0918	1929	1115	x--- ---- x--- ---- ----	2	
	1930	0418	1930	1017	x--- ---- x--- ---- x---	2	
	1931	0331	1932	0921	x--- ---- x--- ---- xx--	3*	
	1933	0109	1933	0803	x--- ---- x--- ---- ----	2	
	1934	0109	1934	0211	x--- ---- x--- ---- ----	1	
	1934	06	1934	06	x--- ---- x--- ---- ----	1	
	1934	1113	1937	07	x--- ---- x?-- ---- xx--	3*	
	1938	0325	1942	12	x--- ---- x--- ---- x---	1	-/5
	1944	01 ?	1945	11	x--- ---- x--- ---- ----	2	
	1946	1029	1946	1030	x--- ---- x--- ---- ----	2	
	1947	06	1947	0814	x--- ---- x--- ---- xx--	1	-/5
	1949	0310	1949	1024	x--- ---- x--- ---- ----	2	
	1950	0923	1951	0617	x--- ---- x--- ---- xx--	1	-/5
?	*1952*	*01*	*?1952*	*01*	x--- ---- ?--- ---- ----	*1?*	
	1952	0607	1952	0614	x--- ---- x--- ---- ----	2	

Asama (Honshu) *continued*



Richard Fiske (Smithsonian)

Temple on 1783 lava flow

E corner of crater bottom 1947

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Pleistocene / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Asama (Honshu) *continued*														
(no eruption in December 1955)							X *1955* *12*							
								1953	1227	1955	0802	x--- ---- x--- ---- ----	3*	
								1958	1003	1959	0826e	x--- ---- xx-- ---- -x--	2*	-/5
								1961	0818	1961	1116	x--- ---- xx-- ---- xx--	2	-/4
								1965	0523	1965	0523	x--- ---- x-x- ---- ----	2	
								1973	0201	1973	0524	x--- ---- xx-- ---- ----	2	
								1982	0426	1982	0426	x--- ---- xxx- ---- -xx-	2	
								1982	1002	1982	1002	x--- ---- x--- ---- ----	1	
								1983	0408	1983	0408	x--- ---- x--- ---- ----	2	
								1990	0720	1990	0720	x--- ---- x--- ---- ----	2	-/3
								2003	0206	2003	0418	x--- ---- x--- ---- ----	1	-/2
								2004	0901	2004	1209	x--- ---- x--- --x- ----	2	6/5
								2008	0810	2008	0814	x--- ---- x-x- ---- ----	1	
								2009	0121	2009	0502	x--- ---- x--- ---- ----	2*	
Kusatsu-Shirane (Honshu)	36.620N	138.535E	2171	4567	AD	**Stratovolcanoes**	**0803-12=**					**Historical**		
Shirane						G-6550?						x--- ---- x--- x--- ----	3	7/7
						C-6270x						---- ---- x-x- ---- ----		
Shirane						G-3750?						x--- ---- x-x- ---- ----	2	-/6
Moto-Shirane						C-1120w						x--- ---- x-x- x--- ----	4	8/8
Yu-gama (tephra layer 13D)						T-0550?						x--- ---- x--- ---- ----	3	-/7
Yu-gama (tephra layer 13.7D)						T 0050?						x--- ---- x--- ---- ----	2	-/6
						C 1470w						---- ---- x-x- ---- ----		
Yu-gama								1805				x--- ---- x-x- ---- ----	2	
Yu-gama, NE end of Kara-gama								1882	0806	1882	0816>	x--- ---x x-x- ---- --x-	2	-/6
NE part of Yu-gama								1897	0708	1897	0816	x--- ---x x-x- ---- ----	2	
NE part of Yu-gama								1900	1001	1900	1001	x--- ---- --x- ---- ----	1	
North side of Yumi-ike								1902	0715	1902	0924	x--- ---- x-x- ---- ----	1	-/5
							? *1903*					---- ---- ---- ---- ----		
Yu-gama								1905	10	1905	10	x--- ---x --x- ---- ----	2	
Northern part of Yu-gama								1925	0122?	1925	0130	x--- ---- x-x- ---- ----	2	-/6
N Yu-gama & S outer rim (in 1927, not 1928)								1927	1229	1927	1231	x--- ---- x-x- ---- ----	2	
NE part of Yu-gama, SE outer rim								1932	1001	1932	11	x--- ---- --x- ---- xxx-	3*	-/4
							? *1933*					---- ---- ---- ---- ----		
								1934				x--- ---- x-x- ---- ----	2	
Yu-gama								1937	1127	1938	0216?	x--- ---- x-x- ---- ----	1	
Yu-gama								1938	0717?	1938	1005?	x--- ---- --x- ---- ----	1	
Yu-gama								1939	02 ?	1939	0828?	x--- ---- x-x- ---- ----	1	
								1940	0407	1940	0913	x--- ---- --x- ---- ----	1?	
								1941	0119	1941	0119	x--- ---- --x- ---- ----	1?	
Fissure east and south of Yu-gama								1942	0202			x--- ---- x-x- ---- ----	1	
Yu-gama								1958	1231y			x--- ---- x-x- ---- ----	1	
NE corner of Mizu-gama Crater								1976	0302	1976	0302	x--- ---- x-x- ---- ----	1	-/4
Kara-gama, Yu-gama								1982	1026	1982	1229	x--- ---x x-x- ---- ----	1	-/4
Yu-gama, Kara-gama								1983	0726	1983	1221	x--- ---- x-x- ---- ----	1	
NW part of Yu-gama							? *1989* *0106*	?*1989*	*0106*			x--- ---x x-x- ---- ----	*1*	
Shiga (Honshu)	36.688N	138.519E	2041	4467	A	**Shield volcanoes**	**0803-121**	Holocene?						
Haruna (Honshu)	36.474N	138.881E	1449	4578	ADB	**Stratovolcano**	**0803-122**	**Anthropology**						
Futatsu-dake						T 0450t						x--- ---- x--- ---- ----	3	-/7
Futatsu-dake						A 0520j	0601p					x--- ---- xx-- ---- -xx-	4+	-/8
Futatsu-dake						A 0550j	0601p					x--- ---- xx-- --x- -xx-	5	8/9
Akagi (Honshu)	36.557N	139.196E	1828	3478	Ad	**Stratovolcano**	**0803-13=**	Holocene?						
							? *1251* *0518*					---- ---- ---- ---- ----	*3?*	
							? *1938* *0716<*					---- ---- ---- ---- ----		
Hiuchi (Honshu)	36.952N	139.289E	2356	3357	AD	**Stratovolcano**	**0803-131**	**Historical**						
Akanagure lava dome						T-6050?						x--- ---- x--- x-x- ----		
Miike-dake lava dome								1544	0728			x--- ---- x-x- ---- --x-	2	-/6
Nikko-Shirane (Honshu)	36.796N	139.379E	2578	3457	A	**Shield volcano**	**0803-14=**	**Historical**						
(Nks-4 tephra)						G-4150x						---- ---- x-x- ---- ----		
(Nks-3 tephra)						T-2000?						---- ---- x-x- ---- ----		
(Nks-2 tephra)						T-0400?						x--- ---- x--- ---- ----		
(Nks-1 tephra)						T 0800?						---- ---- x-x- ---- ----		
Shirane-san								1625				---- ---- --?- ---- ----	3	
Shirane-san								1649	02			x--- ---- x-x- ---- ----	2	-/6
Shirane-san							? *1871* *04*					---- ---- ---- ---- ----		
Shirane-san (SW flank)								1872	0514			-x-- ---- --x- ---- ----	2	
Shirane-san								1873	0312			---- ---- x-x- ---- ----	1	
Shirane-san (west flank)								1889	1204			-x-- ---- x-x- ---- ----	1	
Shirane-san								1890	0822			---- ---- --x- ---- ----	1	
Shirane-san								1952	07	1952	09	---- ---- x-x- ---- ----	2	
Nantai (Honshu)	36.762N	139.494E	2486	3568	ADB	**Stratovolcano**	**0803-141**	**Radiocarbon**						
(Bentengawara pyroclastic-flow deposit)						G-9540z						x--- ---- xx-- ---- ----		
Omanago Group (Honshu)	36.792N	139.510E	2367	3568	DA	**Lava domes**	**0803-142**	**Radiocarbon**						
Mitsu-dake						C-3050?						x--- ---- ---- --x- ----		
Takahara (Honshu)	36.897N	139.780E	1795	3467	ABD	**Stratovolcano**	**0803-143**	**Holocene**						
Fuji-san lava dome (Tk-Ue tephra)						G-4570?						--x- ---- x-x- --x- ----	4?	8/7
Nasu (Honshu)	37.122N	139.966E	1915	3467	ABD	**Stratovolcanoes**	**0803-15=**	**Historical**						
Chausu-dake						T-8550*						x--- ---- --x- ---- ----	2?	
Chausu-dake (CH3 tephra)						G-7850?						x--- ---- xxx- x--- ----	3	7/7
Chausu-dake						T-6050*						x--- ---- --x- ---- ----	2?	
Chausu-dake (CH4 tephra)						G-5550z						x--- ---- xxx- x--- ----	3	7/7
Chausu-dake						T-4350*						x--- ---- --x- ---- ----	2?	
Chausu-dake						T-2000*						x--- ---- --x- ---- ----	2?	
Chausu-dake						T-1440z						x--- ---- --x- ---- ----	2?	
Chausu-dake (CH5 tephra)						G-0700x						x--- ---- x-x- ---- ----	3	-/7
Chausu-dake (Ns-12 to 9 tephras)						T-0250?						x--- ---- --x- ---- ----	2?	
Chausu-dake (Ns-8 tephra)						G 0250x						x--- ---- x-x- ---- ----	3	-/7
Chausu-dake (Ns-7 to 5 tephras)						G 0330x						x--- ---- x-x- ---- ----	2	
Chausu-dake								1397	0217			x--- ---- x-x- ---- -x--	3	
Chausu-dake								1404	0211			x--- ---- x-x- ---- ----	3	
Chausu-dake (CH6 tephra)								1408	0224			x--- ---- x-x- ---- --x-	3	
Chausu-dake								1410	0305			x--- ---- xx-- x--- xxx-	3	6/7
Chausu-dake								1846	08			x--- ---- ?-x- ---- ----	1	-/5

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
	—	Area of Activity							Start: Year M-Dy	Stop: Year M-Dy	Central / Flank vent / Fissure / Regional / Submarine / Lateral blast / Summit collapse / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Nasu (Honshu) *continued*		Chausu-dake (west and NW side of summit)							1881 0701	....	x--- ---- x-x- ---- -x--	1?	-/5
		Chausu-dake (1881 crater)							1953 1024	1953 1029	x--- ---- x-x- ---- ----	1	
		Chausu-dake (50 m north of 1953 vent)							1960 1010?	....	x--- ---- x-x- ---- ----	1	
		Chausu-dake							*? 1963 0710*	*?1963 0711*	x--- ---- --?- ---- ----	*1*	
		Chausu-dake (west side)							1963 1120	1963 1121	x--- ---- x-x- ---- ----	1	
Numazawa (Honshu)	37.450N	139.579E	1100	3467			DRA	**Shield volcano**	**0803-151**	**Radiocarbon**			
		(formation of Numazawako caldera)						G-3400?	....	....	x--- ---- xxxx ---- --x-	5	-/9
Bandai (Honshu)	37.598N	140.076E	1819	4567			A	**Stratovolcano**	**0803-16=**	**Historical**			
		(HA-2.01 tephra layer)						T-7450?	....	....	---- ---- x--- ---- ----		
		(HA-1.8 tephra layer)						T-6350?	....	....	---- ---- x-x- ---- ----		
		(HA-1.7 tephra layer)						T-5050?	....	....	---- ---- x-x- ---- ----		
		(HA-1.6 tephra layer)						T-4650?	....	....	---- ---- x-x- ---- ----		
		(HA-1.5 tephra layer)						T-3850?	....	....	---- ---- x-x- ---- ----		
		Numanotaira (RE4 tephra layer)						T-1800*	....	....	x--- ---- x-x- ---- ----		
		Numanotaira (RE3 tephra layer)						T-0550?	....	....	x--- ---- x-xA ---- ----		
		O-Bandai (RE2 tephra layer)							0806	....	x--- ---- x-x- ---- --?-	3	
									? 1611	....	x--- ---- --?- ---- --x-		
									? 1719<	....	x--- ---- ---- ---- ----		
		Mt. Hanzawa (Bandai foothills)							*? 1767n*	....	-x-- ---- --?- ---- --?-		
									1787<	....	x--- ---- --?- ---- ----	2?	
		Numanotaira							1808?	....	x--- ---- --?- ---- --x-	2	
		Kobandai (RE1 tephra layer)							1888 0715	1888 0715	x--- ---- xxxA ---- xxx-	4	-/8
Adatara (Honshu)	37.644N	140.286E	1718	3467			Adb	**Stratovolcanoes**	**0803-17=**	**Historical**			
		Numanotaira (Ad-NT1 tephra)						T-8050?	....	....	x--- ---- x--- ---- ----	3	-/7
		Numanotaira (Ad-NT2 tephra)						G-6650v	....	....	x--- ---- x--- ---- ----	3	-/7
		Numanotaira (Ad-NT3 tephra)						G-6150v	....	....	x--- ---- x--- ---- ----	3	-/7
		Numanotaira (Ad-NT4 tephra)						T-4300*	....	....	x--- ---- x--- ---- ----	3	-/7
		Numanotaira (Ad-NT5 tephra)						G-2600t	....	....	x--- ---- x-x- ---- ----	3	-/7
		Numanotaira (Ad-p1, p2 tephras)						T-1550*	....	....	x--- ---- x-x- ---- ----		
		Numanotaira (Ad-NT6 tephra)						G-0590x	....	....	x--- ---- --x- ---- --x-	3	-/7
		Numanotaira (Ad-p3 tephra)						T-0050*	....	....	x--- ---- x-x- ---- ----		
		Numanotaira (Ad-p4 tephra)						T 0950t	....	....	x--- ---- x-x- ---- ----		
		Numanotaira						*? 1813*	*0110*	....	x--- ---- --?- ---- ----	*1?*	
		Numanotaira							1899 0824	1899 1112	x--- ---- x-x- ---- -x--	2	
		Numanotaira							1900 0717	1900 0717	x--- ---- xxx- ---- xx--	2	-/6
		Numanotaira							1996 0901	1996 0901	x--- ---- --x- ---- ----	1	
Azuma (Honshu)	37.732N	140.248E	2035	3367			AB	**Stratovolcanoes**	**0803-18=**	**Historical**			
		Oke-numa (Az-OK tephra)						G-5700t	....	....	x--- ---- x--- ---- ----	2	-/6
		Goshiki-numa (Az-GS tephra)						G-5400x	....	....	x--- ---- x-x- ---- ----	1	-/5
		Issaikyo-Minami (Az-JP1 tephra)						T-4550*	....	....	-x-- ---- x-x- ---- ----		
		Azuma Ko-Fuji (Az-KF tephra)						G-4150z	....	....	x--- ---- x--- x--- ----	3	8/7
		Issaikyo (Az-IS tephra)						G-3000t	....	....	x--- ---- x--- ---- ----	1	-/5
		Issaikyo (Az-JP2 tephra)						G-2750x	....	....	x--- ---- x-x- ---- ----		
		Issaikyo (Az-JP3 tephra)						G-1800t	....	....	x--- ---- x-x- ---- ----		
		Issaikyo (Az-JP4 tephra)						G-0950v	....	....	x--- ---- x-x- ---- ----		
		Issaikyo (Az-JP5 tephra)						G-0150x	....	....	x--- ---- x-x- ---- ----		
		(Az-JP6 tephra)						G 0600x	....	....	-x-- ---- x-x- ---- ----		
		Issaikyo (Az-OA tephra)							1331	....	-x-- ---- x-x- ---- ----	1	-/5
		Issaikyo (Oana area)							1711?	....	-x-- ---- x-x- ---- ----	1	-/5
		Issaikyo (Oana)							1800?	....	-x-- ---- --?- ---- ----		
		Issaikyo (Oana)							*? 1844*	....	-x-- ---- --x- ---- ----	*1?*	
		Issaikyo (west of Oana)							1893 0519	1893 0713	-x-- ---- x-x- ---- x---	1	
		Issaikyo							1893 1109	1893 1110	-x-- ---- x--- ---- ----	1	
		Issaikyo (near Oana)							1894 0316	1894 0412	-x-- ---- x-x- ---- ----	1	
		Issaikyo (near Oana)							1895 0308	1895 0913	-x-- ---- x-x- ---- -x--	1	
		(dates may be confused with Sept 1895)							*? 1896 0905*	*?1896 0919*	-x-- ---- ?-?- ---- ----	*1*	
		Issaikyo							*? 1914 1112*	*?1914 1114a*	---- ---- --?- ---- ----	*1*	
		Issaikyo (Oana and NW of Oana)							1950 0210	1950 0219	-x-- ---- x-x- ---- ----	1	
		Issaikyo							*? 1952 0618*	....	---- ---- --x- ---- ----	*1*	
		Issaikyo (Oana)							*? 1966 05*	*?1966 08*	-x-- ---- x-x- ---- ----	*1*	
		Issaikyo (Oana)							1977 1207	1977 1207	-x-- ---- x-x- ---- ----	1	
Zao (Honshu)	38.141N	140.443E	1841	3467			ABD	**Complex volcano**	**0803-19=**	**Historical**			
		Goshiki-dake area						G-7600?	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake (Z-To5a tephra)						G-5600?	....	....	x--- ---- x--- ---- ----		
		Goshiki-dake area						G-5500?	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake area (Z-To5b tephra)						G-4150x	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake area (Z-To5 tephra)						G-3850x	....	....	x--- ---- xx-- ---- ----		
		Goshiki-dake area (Z-To6 tephra)						G-3350t	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake area (Z-To7 tephra)						G-2600x	....	....	x--- ---- x--- ---- ----		
		Goshiki-dake area (Z-To8 tephra)						G-2300u	....	....	x--- ---- x--- ---- ----		
		Goshiki-dake						T-2000z	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake						G-1600?	....	....	x--- ---- x-x- ---- ----		
		Goshiki-dake area (Z-To9 tephra)						G 0300x	....	....	x--- ---- x-?- ---- ----	4	-/8
		Okama						*? 0773*	*11 ?*	....	x--- ---- ---- ---- ----		
		Okama (Z-To10 tephra?)							0884?	....	x--- ---- x--- ---- ----	3	-/7
		Okama							1183 0528?	....	x--- ---x ?--- ---- ----	2?	
		Okama							1227 10 ?	....	x--- ---- x-?- ---- -x--	3	
		Okama							1230 1129?	....	x--- ---- x--- ---- ----	2?	
		Okama							*? 1331*	*?1333*	x--- ---- --?- ---- ----	*2?*	
		Okama							*? 1350?*	....	x--- ---- --?- ---- ----	*2?*	
		Goshiki-dake area (Z-To11 tephra)						G 1400v	....	....	x--- ---- x-?- ---- ----	3	-/7
		Okama							1620	....	x--- ---x ?--- ---- ----	2?	
		Okama							1622	....	x--- ---- ?--- ---- ----	2?	
		Okama							1623 0515?	1624 1115?	x--- ---x x--- ---- ----	3*	
		Okama							1630	....	x--- ---- ?--- ---- ----	2?	
		Okama							1641	....	x--- ---- ?--- ---- ----	2?	
		Okama							1668 08	....	x--- ---- ?--- ---- ----	2?	
		Okama							1669	....	x--- ---- x--- ---- -x--	3	
		Okama							1670 0426	1670 0926	x--- ---- x-x- ---- ----	2*	
		Okama							1694 0529	1694 0830?	x--- ---x ?-x- ---- -xx-	2	
		SE side of Okama							1794 0922	1794 12 >	x--- ---x x-?- ---- -x--	2	
		Okama							1796 0324	....	x--- ---x --?- ---- ----	2	
		Okama							1804 05 ?	....	x--- ---x --?- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
	—	Area of Activity													Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Zao (Honshu) *continued*		Okama									1806	0712	....	....	x--- ---- --?- ---- ----	2	
		Okama									1809	0612	1809	1229	x--- ---x x-?- ---- -?x-	2	
		Okama									1821	0127	1821	0501	x--- ---x x-?- ---- --x-	2*	
											1822	0501	....	....	x--- ---- --?- ---- ----		
		Okama									1830	....	....	....	x--- ---x --?- ---- ----	2	
		Okama									1831	1122	....	....	x--- ---x --?- ---- --?-	2	
		Okama									1833	....	....	....	x--- ---x x-?- ---- ----	2	
		Okama									1867	1021	....	....	x--- ---x --?- ---- x?x-	2	
		Okama									1873	08	1873	09	x--- ---- --?- ---- ----	1?	
		Okama								?	*1890*	....	....	....	x--- ---- --?- ---- ----	*1?*	
		Okama									1894	0703	1894	0703	x--- ---x x-?- ---- ----	2?	
		Okama									1895	0215	1895	0322	x--- ---x x-?- ---- --x-	1	-/5
		Okama									1895	0822	1895	0928	x--- ---x x-x- ---- -xx-	2	
		Okama									1896	0308	1896	0308	x--- ---- x-x- ---- ----	1	
		Okama								?	*1896*	*0901?*	....	....	x--- ---x --?- ---- ----	*1?*	
		Okama								?	*1897*	*0114*	*?1897*	*0114*	x--- ---- --?- ---- ----	*1?*	
		Okama									1905	....	....	....	x--- ---- --?- ---- ----	1?	
		(1906 report of eruption in 1905)								X	*1906*	....	....	....	---- ---- ---- ---- ----		
		Okama								?	*1927*	....	....	....	x--- ---- --?- ---- ----	*1?*	
		Okama								?	*1939*	*07*	....	....	x--- ---x --?- ---- --x-	*1?*	
		Okama									1940	0518	1940	0518	x--- ---x x-x- ---- ----	1	-/5
Hijiori (Honshu)	38 606N	140 178 E	516	5567			D		**Caldera**		**0803-191**		**Holocene**				
Narugo (Honshu)	38 733N	140 732 E	470	5567			RD		**Caldera**		**0803-20=**		**Historical**				
											G-4400>	....	....	....	---- ---- x--- ---- ----		
											T-1400<	....	....	....	---- ---- --x- ---- ----		
											G-1350t	....	....	....	---- ---- x-x- ---- ----		
											G-0800<	....	....	....	---- ---- --x- ---- ----		
											0837	0527	....	....	x--- ---- ---- ---- --?-	1	
Kurikoma (Honshu)	38 958N	140 792 E	1628	3467			AD		**Stratovolcano**		**0803-21=**		**Historical**				
											T-3540*	....	....	....	---- ---- --x- ---- ----		
											T 1450t	....	....	....	---- ---- --x- ---- ----	1	-/5
		Tsurugi-yama									1726j	....	....	....	x--- ---- --?- ---- ----	1?	
											1744	0203	....	....	x--- ---- --?- ---- ----	2	
										?	*1783*	....	....	....	x--- ---- --?- ---- -x--		
											1944	1120	1944	12	x--- ---- --x- ---- -xx-	1	-/4
		SE of Tsurugi-yama									1946	1124	....	....	x--- ---- --x- ---- --x-	2	
											1950	0115	....	....	x--- ---- --x- ---- ----	2	
Chokai (Honshu)	39 096N	140 052 E	2233	3367			AB		**Stratovolcanoes**		**0803-22=**		**Historical**				
		West flank (Saruana crater)									T-1050?	....	....	....	-x-- ---- ---- x--- ----	0	8/-
		Higashi-Chokai									C-0650?	....	....	....	x--- ---- --?A ?-?- ----		
		(OD-12 tephra layer)									T-0450?	....	....	....	---- ---- x-x- ---- ----		
										?	*0573*	*03* ?	....	....	---- ---- ?--- ---- ----		
										?	*0577*	*1201p*	*?0578*	*0715q*	---- ---- ?--- ?--- ----		
										?	*0610o*	....	....	....	---- ---- ?--- ---- ----		
											0711c	....	....	....	x--- ---- --x- ---- ----		
										?	*0717*	*07*	....	....	---- ---- x--- ---- ----		
										?	*0804*	....	*?0806*	....	x--- ---- ?--- ---- ----		
											0817g	....	....	....	x--- ---- --x- ---- ----		
											0830	01	....	....	x--- ---- x-x- ---- --x-		
										?	*0839*	*1014*	....	....	---- ---- ?--- ---- ----		
										?	*0856*	....	....	....	---- ---- ---- ---- ----		
										?	*0857*	*05*	....	....	---- ---- ---- ---- ----		
										?	*0861*	*05*	....	....	---- ---- ?--- ---- ----	*3*	
											0871	0505	....	....	x--- ---- x--- x--- --x-	2	7/6
										?	*0884*	*0726*	*?0884*	*08*	---- ---- ?--- ---- ----		
		(915 AD eruption was from Towada volcano)								X	*0915*	*0823*	*X0915*	*0901*	---- ---- ---- ---- ----		
											0939	0515	....	....	x--- ---- --x- ---- ----		
										?	*0948*	*1231y*	....	....	---- ---- ---- ---- ----		
										?	*0999*	....	....	....	---- ---- ---- ---- ----		
										?	*1477*	....	....	....	---- ---- ?--- ---- ----		
										?	*1560*	....	....	....	---- ---- ?--- ---- ----		
											1659	04	1663a	....	x--- ---- --x- ---- ----		
										?	*1735*	....	....	....	---- ---- ?--- ---- ----	*2*	
										?	*1738*	*1231y*	....	....	x--- ---- x--- ---- ----	*2*	
		Small crater at foot of Kojin-yama									1740	06 ?	1747?	....	x--- ---- x-x- ---- -x--	2?	
										?	*1764*	....	....	....	x--- ---- ?--- ---- ----	*2*	
		Shinzan (foot of Kojin-yama)									1800	12	1804	07 ?	x--- ---- x-x- x-x- x-x-	2*	6/-
		Near Shinzan and Shichiko-zan									1821	0523	....	....	x--- ---- --x- ---- ----	2?	
											1834	0709	1834	07	x--- ---- --x- ---- --?-	2?	
		E side of Shinzan. W of Kojin-yama									1974	0301	1974	0430	x-x- ---- x-x- ---- --x-	1	-/5
Akita-Komaga-take (Honshu)	39 758N	140 803 E	1637	3467			BA		**Stratovolcanoes**		**0803-23=**		**Historical**				
		(AK-11, AK-10 tephra layers)									T-8800y	....	....	....	x--- ---- x--- ---- ----	3?	-/8
		(AK-9, Arasawa tephra layer)									T-8300y	....	....	....	x--- ---- x--- ---- ----	4	-/8
		(AK-8, Horikiri tephra layer)									G-7850x	....	....	....	x--- ---- x--- ---- ----	4	-/8
											T-7100*	....	....	....	x--- ---- x--- ---- ----		
		(AK-7 tephra layer)									G-6350x	....	....	....	x--- ---- x--- ---- ----	3	-/7
											T-6150y	....	....	....	x--- ---- x--- x--- ----		
		(AK-6 tephra layer)									G-5950x	....	....	....	x--- ---- x--- ---- ----	3	-/7
		(AK-5, AK-4 tephra layers)									G-1450t	....	....	....	x--- ---- x-x- ---- ----		
		(AK-3 tephra layer)									G-0350x	....	....	....	x--- ---- x--- x--- ----	3	-/7
		Minami-dake, Ko-dake									G-0200x	....	....	....	x--- ---- x-x- x--- ----		
		(AK-2 tephra layer)									G-0050x	....	....	....	x--- ---- x--- ---- ----	2	-/6
		Me-dake									T 0400z	....	....	....	x--- ---- x--- x--- ----		
		(AK-1 tephra layer)									0807?	....	....	....	x--- ---- x--- ---- ----	3	-/7
											T 1100?	....	....	....	---- ---- x--- ---- ----	2	
											1890	12	1891	01	x--- ---- ---x ---- ----	2	
		Yoko-dake									1902	....	....	....	-x-- ---- --?- ---- ----	1?	
		Ishibora (south flank of Me-dake)									1932	0721	1932	0724	x-x- ---- x-x- --x- --x-	2	
		Me-dake									1970	0918	1971	0126	xx-- ---- x--- x--- ----	2	7/6
Iwate (Honshu)	39 850N	141 004 E	2041	3567			BA		**Complex volcano**		**0803-24=**		**Historical**				
											T-6450*	....	....	....	x--- ---- x--- ---- ----		
		Nishi-Iwate (PHD8 tephra layer)									G-6300v	....	....	....	x--- ---- x-x- ---- ----		
		Nishi-Iwate (PHD7 tephra layer)									G-5650t	....	....	....	x--- ---- x-x- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Iwate (Honshu) *continued*		Higashi-Iwate							G-4900v	....	....	....		x--- ---- xx-- ---- ----		
		Nishi-Iwate (PHD6 tephra layer)							G-4850t	....	....	....		x--- ---- x-x- ---- ----		
		Higashi-Iwate							T-4450z	....	....	....		x--- ---- ---- x--- ----	0	
		Higashi-Iwate							T-4350z	....	....	....		x--- ---- x--- ---- ----		
		Higashi-Iwate							T-3750v	....	....	....		x--- ---- xx-- ---- ----		
									T-3250z	....	....	....		x--- ---- ---- x--- ----	0	
		Higashi-Iwate							C-3050?	....	....	....		x--- ---- x--- ---- ----		
		Nishi-Iwate (PHD5 tephra layer)							G-2950t	....	....	....		x--- ---- x-x- ---- ----		
		Higashi-Iwate (W6a-d tephra layers)							T-2700x	....	....	....		x--- ---- x--- ---- ----		
		Higashi-Iwate (W5 tephra layer)							G-2050x	....	....	....		x--- ---- xx-- ---- ----		
		Nishi-yama							G-2000?	....	....	....		x--- ---- x-x- ---- ----		
		Nishi-Iwate (O-jigokudani area)							G-1650?	....	....	....		x--- ---- --x- ---- ----		
		Higashi-Iwate							T-1500y	....	....	....		x--- ---- x--- ---- ----		
		Higashi-Iwate							G-1250?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Nishi-Iwate							C-1150?	....	....	....		x--- ---- x-x- ---- ----		
		Nishi-Iwate (O-jigokudani area)							G-0450?	....	....	....		x--- ---- --x- ---- ----		
		Higashi-Iwate							C-0350?	....	....	....		x--- ---- x--- ---- ----		
		Higashi-Iwate							C 0150?	....	....	....		x--- ---- x--- ---- ----		
		Higashi-Iwate (Myoko-dake)							T 1300t	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Nishi-Iwate and Higashi-Iwate							C 1450v	....	....	....		x--- ---- x-x- ---- ----		
										1686	0326	1686	0327	-x-- ---- xx-- x--- -xx-	3	-/7
										? 1687	*0414*	*?1687*	*07*	---- ---- x--- ---- ----	*2?*	
										? 1689	*0622*	....	....	---- ---- x--- ---- ----	*2?*	
		(reported 1719 events occurred during 1732)							*X 1719*	*02 ?*	....	....		---- ---- ---- ---- ----		7/-
		NE flank of Yakushi-dake								1732	0122	1732	10 ?	-x-- ---- x--- x--- ----	2	
		(earthquake swarm, not eruption)							*X 1823*	....	....	....	....	---- ---- ---- ---- ----		
		W side of Onigajo caldera (O-jigokudani)								1919	0715?	1919	0715?	x--- ---- x-x- ---- --x-	1	-/5
										? 1934	*07*	*?1935*	....	---- ---- --?- ---- ----		
Hachimantai (Honshu)	39.955N	140.857E	1614	3457		ABD	**Stratovolcano**	**0803-25=**	**Radiocarbon**							
									G-7900w	....	....	....		x--- ---- --x- ---- ----		
									T-5350?	....	....	....		x--- ---- --x- ---- ----		
Akita-Yake-yama (Honshu)	39.961N	140.761E	1366	3357		Ad	**Stratovolcano**	**0803-26=**	**Historical**							
		Onigajo lava dome							N-3050?	....	....	....		x--- ---- ---- --x- ----		
									G-1250x	....	....	....		---- ---- x--- ---- ----		
		(Ay-2 tephra layer)							T 0570?	....	....	....		---- ---- x--- ---- ----		
									? 0807	*1101*	....	....		---- ---- x--- ---- ----		
									G 1390u	....	....	....		---- ---- --x- ---- ----		
		Karenuma								1678	0222?	....	....	x--- ---- x-x- ---- ----	2	-/6
										1867	....	....	....	x--- ---- --?- ---- ----		
		Karenuma								1887	....	....	....	x--- ---- --x- ---- ----	2	
										1890	0923	....	....	x--- ---- x-x- ---- ----	2	
										1929	09	....	....	x--- ---- x-x- ---- ----	2	
		Kare-numa								1948	....	....	....	x--- ---- --x- ---- ----	1?	
		Kare-numa								1949	0830	1949	0901	x--- ---- x-x- ---- --x-	1	-/5
		Kare-numa								1950	....	....	....	x--- ---- --x- ---- ----	1	
		Kare-numa								1951	02	....	....	x--- ---- --x- ---- ----	1?	
										1957	....	....	....	x--- ---- --x- ---- --x-	1	
		NE flank (Sumikawa-Onsen)								1997	0511	1997	0511	-x-- ---- x-x- ---- -xx-	1	-/3
		Kare-numa								1997	0816	1997	0816	x--- ---- x-x- ---- --x-	1	-/3
Megata (Honshu)	39.95 N	139.73 E	291	4457		ABDR	**Maars**	**0803-262**	**Tephrochronology**							
									T-7050?	....	....	....		x--- ---- xx-- ---- ----		
									T-2050?	....	....	....		x--- ---- xx-- ---- -x--		
Iwaki (Honshu)	40.653N	140.307E	1625	3567		A	**Stratovolcano**	**0803-27=**	**Historical**							
		Torinoumi lava dome							K-8050?	....	....	....		x--- ---- ---- --x- ----		
		West summit lava dome							T-4050?	....	....	....		x--- ---- x--- --x- ----		
		Summit and central lava dome							T-1050?	....	....	....		x--- ---- x--- --x- ----		
		Torinoumi lava dome							T-0550z	....	....	....		x--- ---- ---- --x- ----		
									? 1597	*01*	....	....		x--- ---- --?- ---- ----	*2*	
									? 1597	*0613*	....	....		x--- ---- --?- ---- --x-	*2*	
		Torinoumi								1600	0222	....	....	x--- ---x --x- ---- --x-	2	
		Torinoumi								1600	0723	1600	0725	x--- ---x --x- ---- -xx-	2	
		Torinoumi								1604	0207	....	....	x--- ---x --x- ---- --x-	3?	
									? 1605	*0410*	....	....		x--- ---- --x- ---- ----	*2?*	
										1618	0131	....	....	x--- ---- x-?- ---- ----	2	
									? 1672	*0712*	*?1672*	*0728*		x--- ---- --?- ---- ----	*2?*	
									? 1694	*0619*	....	....		x--- ---- --?- ---- ----	*2?*	
									? 1709	*0423*	....	....		x--- ---- --?- ---- ----	*2?*	
									? 1769	....	....	....		---- ---- --?- ---- ----	*2*	
		South flank							*? 1782*	*0412*	....	....		-x-- ---- --?- ---- ----	*2*	
										1782	1201p	1783	0312	x--- ---- --x- ---- ----	2	
									? 1783	*1203*	....	....		x--- ---- --?- ---- ----	*2?*	
										1790	1009	....	....	x--- ---- x-x- ---- ----	2	
									? 1793	*0402*	....	....		x--- ---- --?- ---- ----	*2*	
									? 1794	*0403*	....	....		x--- ---- --x- ---- ----	*2*	
									? 1800	*0511*	....	....		x--- ---- --?- ---- ----	*2*	
									? 1807	*0331*	....	....		x--- ---- --?- ---- ----	*2*	
									? 1833	*0411*	....	....		x--- ---- --?- ---- ----	*2*	
		Summit and south flank?								1844	0407	....	....	x?-- ---- --x- ---- ----	2	
										1845	0404	....	....	x--- ---- --x- ---- ----	2	
									? 1848	*0118*	....	....		x--- ---- --x- ---- ----	*2*	
									? 1856	*0520*	....	....		x--- ---- --?- ---- ----	*2*	
										1863	0323	....	....	x--- ---- --x- ---- ----	1	
Towada (Honshu)	40.47 N	140.92 E	1159	5567		ADBR	**Caldera**	**0803-271**	**Historical**							
		Nakanoumi (To-G tephra; Shingo Pumice)							G-9490?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Goshikiiwa (To-F tephra)							G-8250?	....	....	....		x--- ---- x--- ---- ----	5	-/9
		Goshikiiwa (To-E tephra; Nambu Pumice)							G-7250?	....	....	....		x--- ---- x--- ---- ----	5?	-/9
		Goshikiiwa (To-D tephra; Oguni Pumice)							G-6250?	....	....	....		x--- ---- x--- ---- ----	4	-/8
		Goshikiiwa (To-D' tephra)							G-5550?	....	....	....		x--- ---- x--- ---- ----	3?	-/8
		Goshikiiwa (Nakanoumi) (To-C tephra)							G-4150?	....	....	....		x--- ---- xx-- ---- ----	5+	-/9
		Nakanoumi (To-B tephra)							G-0750?	....	....	....		x--- ---x x--- ---- ----	4+	-/8
		Goshikiiwa (NE rim Nakanoumi crater)								0915	0817	....	....	x--- ---- xx-- x-x- -xx-	5	8/9
Hakkoda Group (Honshu)	40.656N	140.881E	1585	3367		ADBR	**Stratovolcanoes**	**0803-28=**	**Radiocarbon**							
		O-dake (Hk-5 tephra)							G-2850?	....	....	....		x--- ---- x-x- ---- ----	2	-/6

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Center / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Hakkoda Group (Honshu) *continued*		Area of Activity															
		O-dake (Hk-4 tephra)								G-2250?	....	....	....		x--- ---- x-x- ---- ----	3	-/7
		O-dake (Hk-3 tephra)								G-1150?	....	....	....		x--- ---- x--- ---- ----	1	-/5
		O-dake (Hk-2 tephra)								G-0050?	....	....	....		x--- ---- x-x- ---- ----	1	-/5
		O-dake (Hk-1 tephra)								G 0450?	....	....	....		x--- ---- x-x- ---- ----	1	-/6
		SW flank of O-dake (Jigoku-numa)								G 1340u	....	....	....		-x-- ---- --x- ---- ----	1	
		SW flank of O-dake (Jigoku-numa)								G 1550v	....	....	....		-x-- ---- --x- ---- ----	1	-/2
Osore-yama (Honshu)	41 276 N	141 124 E	879	5557	AD				**Stratovolcano**	**0803-29=**			**Historical**				
											1787<	....	....	....	---- ---- ---- ---- ----		

IZU & VOLCANO ISLANDS

Oshima (Izu Is-Japan)	34 721 N	139 398 E	764	4448	BAd				**Stratovolcano**	**0804-01=**			**Historical**				
		(tephra layer O47)								T-8450?	....	....	....		---- ---- x--- ---- ----		
		(tephra layers O46, O45)								T-8050z	....	....	....		---- ---- x--- ---- ----		
		(tephra layer O44)								T-7650?	....	....	....		---- ---- x--- ---- ----		
		(tephra layers O43, O42)								T-7150z	....	....	....		---- ---- x--- ---- ----		
		(tephra layer O41)								T-6650?	....	....	....		x--- ---- x?x- ---- ----		
		(tephra layer O40)								T-6550?	....	....	....		---- ---- x--- x--- ----		
		(tephra layers Osb39-2 to Osb38-1)								T-6050z	....	....	....		---- ---- x--- ---- ----		
		(tephra layer Osb37-5)								T-5550?	....	....	....		---- ---- x--- ---- ----		
		(tephra layers Osb37-4, Osb37-3)								T-5450u	....	....	....		---- ---- x--- ---- ----		
		(tephra layers Osb37-2, Osb36-1)								T-4920z	....	....	....		---- ---- x--- ---- ----		
		(tephra layer O35)								T-4450?	....	....	....		---- ---- x--- ---- ----		
		(tephra layer O34)								T-4250?	....	....	....		---- ---- x--- ---- ----		
		(tephra layers O32-2, O32-1, and O32)								T-4000y	....	....	....		---- ---- x--- x--- ----		
		(tephra layer O31)								T-3750?	....	....	....		---- ---- x--- ---- ----		
		(tephra layer O30)								T-3650?	....	....	....		---- ---- x--- ---- ----		
		(tephra layers O29 to O16)								T-2550?	....	....	....		---- ---- x-x- x--- ----		
		(tephra layer O15)								T-1450?	....	....	....		---- ---- xxx- ---- ----		
		(tephra layer O14)								T-1200?	....	....	....		x--- ---- x--- x--- ----		
		(tephra layers O13 to O11)								T-1050x	....	....	....		---- ---- x--- ---- ----		
		SE flank (tephra layer O10)								G-0900v	....	....	....		-x-- ---- x?-- x--- ----	2	5/6
		(tephra layers O9 to O5)								T-0600z	....	....	....		---- ---- x--- ---- ----	3	
		(tephra layers O4, O3)								T-0150?	....	....	....		---- ---- x--- ---- ----	3	
		(tephra layer O2)								G 0150t	....	....	....		---- ---- x--- ---- ----	3	
		(tephra layer O1)								T 0250v	....	....	....		---- ---- x--- ---- ----	3	
		Summit and east flank (tephra layer S2)								G 0340x	....	....	....		xx-x ---- xxxx x--- --x-	4	7/8
		(tephra layer S1.5)								V 0580?	....	....	....		x--- ---- x--- ?--- ----	3	-/7
		(tephra layer S1)								V 0600?	....	....	....		x--- ---- x-x- ---- ----	3	-/7
		(tephra layer N4.8)								V 0625?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		(tephra layer N4.6?)								0654?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		(tephra layer N4.4?)								0680?	....	0681	0326>		x--- ---- x--- x--- ----	4	-/8
										0684?	1129	....	....		-?-- ---- ---- x--- ----		
		(tephra layer N4.2)								V 0700?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Summit, N & S flanks (tephra layer N4)								V 0713?	....	....	....		xx-- ---- x--- ---- ----	3	-/7
		(tephra layer N3.2)								V 0822?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Summit, SE flank (tephra layer N3.0)								0838?	08 ?	....	....		xx-- ---- x--- ---- ----	3	-/7
		(tephra layer N2.0?)								0854?	0914?	0856?	....		x--- ---- x-x- ---- ----	4	-/8
		(tephra layer N1.0?)								0886?	0629?	....	....		xx-- ---- x-x- x--- ----	4	4/8
										? 0936	....	....	....		---- ---- ---- ---- ----		
										? 1112	*1118*	*?1112*	*1226e*		xx-- ---- x--- x--- ----		
		(tephra layer Y6)								V 1183?	....	....	....		x--- ---- x--- ---- ----	4	-/8
		(tephra layer Y5.6)								V 1245?	....	....	....		x--- ---- x--- ---- ----	1	-/5
		NW flank (tephra layer Y5.2)								V 1307?	....	....	....		---x ---- x--- x--- ----	3	6/7
		(tephra layer 5)								1338	0915e	1338	1115e		x--- ---- x--- ---- ----	3	-/7
										1415	0521	....	....		---- ---- ---- ?--- ----		
		(tephra layer 4.2)								1416	0902	V1417?	....		x--- ---- x--- ---- ----	2	-/6
		Summit, S flank (tephra layer Y4)								1421	0514	....	....		x-x- ---- x--- x--- ----	4	8/8
										1442	08	1443	....		---- ---- ?--- ---- ----		
		(tephra layer Y3.8)								V 1471?	....	....	....		x--- ---- x--- ---- ----	2	-/6
										1552	1007	1552	1015		x-x- ---- x--- x--- ----	3	8/7
										1600	10 w	....	....		---- ---- ?--- ---- ----		
										1612	1015w	....	....		---- ---- ?--- ---- ----		
										1623	....	....	....		---- ---- ?--- ---- ----		
										1634	....	....	....		---- ---- ?--- ---- ----		
										1637	0826	1638	04		---- ---- ?--- ---- ----		
		(tephra layer Y2)								1684	0214	1690	....		x--- ---- x-x- x--- -x--	3	7/8
										1695	0412?	....	....		---- ---- ?--- ---- ----		
		Mihara-yama & flanks, (tephra layer Y1)								1777	0831	1779	....		xx-- ---- x-x- x--- ----	3*	8/8
		Mihara-yama								1783	....	1786	....		x--- ---- x--- ---- -x--	2	
		Mihara-yama								1789	....	....	....		x--- ---- x--- ---- xx--	2	
		Mihara-yama								1792	....	....	....		x--- ---- ?--- ---- ----	2	
		Mihara-yama								1803	0926?	1803	1114		x--- ---- x--- ---- ----	2	
		(tephra layer Y0.8)								V 1821?	....	....	....		x--- ---- x--- ---- ----	3	-/7
		Mihara-yama								1822	....	1824	....		x--- ---- x--- ---- ----	2	
		Mihara-yama								*? 1827*	....	....	....		x--- ---- ?--- ---- ----		
		Mihara-yama								*? 1837*	....	*?1838*	....		x--- ---- ?--- ---- ----	*2*	
		Mihara-yama								1846	....	....	....		x--- ---- x--- ---- ----	2	
		Mihara-yama								*? 1868*	*1231y*	....	....		x--- ---- ---- ---- ----		
		Mihara-yama								1870	....	....	....		x--- ---- x--- ---- ----	2	
		Mihara-yama								1876	1227	1877	0205		x--- ---- x--- x--- ----	2	6/6
		Mihara-yama								1910	12	....	....		x--- ---- x--- ---- ----	1	*-/4*
		Mihara-yama								1912	0223	1913	0125		x--- ---- x--- x--- ----	1	7/5
		Mihara-yama								1914	0515	1914	0526		x--- ---- x--- x--- ----	2	7/6
		Mihara-yama								1915	1010	1915	1025?		x--- ---- x--- ---- ----	2	
		Mihara-yama								1919	0518	1919	1223		x--- ---- ---- x--- ----	0	
		Mihara-yama								*? 1920*	....	....	....		x--- ---- ---- ?--- ----		
		Mihara-yama								1922	1208	1923	0130		x--- ---- x-x- x--- ----	1	6/5
		Mihara-yama								1928	0807	1928	0808		x--- ---- x--- ---- ----	2	
		Mihara-yama								1933	1014	1933	11		x--- ---- ---- x--- ----	0	5/-
		Mihara-yama								1934	0415	1934	0425?		x--- ---- ---- x--- ----	0	
		Mihara-yama								*? 1934*	*09*	....	....		x--- ---- ---- ?--- ----		
		Mihara-yama								1935	0426	1935	0506?		x--- ---- ---- x--- ----	0	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Oshima (Izu Is-Japan) *continued*		Mihara-yama									1937	0717	1937	08	x--- ---- ---- x--- ----		0	
		Mihara-yama									1938	0811	1938	0811	x--- ---- x--- x--- ----		1	5/5
		Mihara-yama									1939	02	1939	02	x--- ---- x--- ---- ----		1?	
		Mihara-yama									1939	0901	1939	0916	x--- ---- x--- x--- ----		1	5/-
		Mihara-yama									1940	0818	1940	0819	x--- ---- x--- ---- ----		1	5/5
		Mihara-yama, south rim									1950	0716	1951	0628	x--- ---- x--- xx-- ----		2	7/6
		Mihara-yama									1953	1005	1954	0208	x--- ---- x--- x--- x---		1	5/4
		Mihara-yama									1956	0103	1956	0106	x--- ---- x--- ---- ----		1	
		Mihara-yama									*? 1956*	*0825*	*?1956*	*0826*	x--- ---- ---- ---- ----		*1?*	
		Mihara-yama									1957	08	1957	12	x--- ---- x--- ---- x---		1	-/4
		Mihara-yama									1958	0417	1958	0613	x--- ---- x--- ---- ----		1	-/4
		Mihara-yama									1959	01	1959	01	x--- ---- x--- ---- ----		1	
		Mihara-yama									1959	10	1960	11	x--- ---- x--- ---- ----		1	
		Mihara-yama									*? 1961*	....	....	....	x--- ---- ---- ---- ----			
		Mihara-yama									1962	01	1965	05	x--- ---- x-x- ---- ----		1	
		Mihara-yama									1965	1125	1966	0613	x--- ---- x--- ---- ----		1	
		Mihara-yama									1967	05	1967	08	x--- ---- x--- ---- ----		1	
		Mihara-yama									1968	0119	1968	0119	x--- ---- x--- ---- ----		1	
		Mihara-yama									1968	0728	1968	0728	x--- ---- x--- ---- ----		1	
		Mihara-yama									1969	0119	1969	07	x--- ---- x--- ---- ----		1	
		Mihara-yama									1970	0126	1970	0131	x--- ---- x--- ---- ----		1	
		Mihara-yama									1970	0630	1970	1112	x--- ---- x--- ---- ----		1	
		Mihara-yama									1971	0405	1971	0405	x--- ---- x--- ---- ----		1	
		Mihara-yama									1974	0228	1974	0620	x--- ---- x--- ---- ----		1	
		Mihara-yama, N part and NW of caldera									1986	1115	1986	1218	x-x- ---- x--- xx-- -x--		3*	7/7
		Mihara-yama									1987	1116	1988	0127	x--- ---- x-x- ---- -x--		2*	-/4
		Mihara-yama (1987 summit crater)									1990	1004	1990	1004	x--- ---- x-x- ---- ----		2	
To-shima (Izu Is-Japan)	34.517 N	139.283 E	508	3357	BA		**Stratovolcano**		0804-011	**Tephrochronology**								
		Kajiana crater							T-4550*	....	....	....	....	....	x--- ---- ---- x--- ----		0	
Nii-jima (Izu Is-Japan)	34.393 N	139.273 E	432	4447	Rb		**Lava domes**		0804-02=	**Historical**								
									T-5950?	....	....	....	....	....	x--- ---- ?--- --x- ----			
		Niijima-yama							T-4350?	....	....	....	....	....	x--- ---- x--- --x- ----			
		(Wakago tephra)							T-1250?	....	....	....	....	....	x--- ---- xx-- ---- ----			
		Achi-yama							0856?	....	0857?	....	....	....	x--- ---- xx-- --x- ----		2	7/6
		Mukai-yama							0886	0629	....	....	....	....	x--- x--- xx-- --x- ----		4+	8/8
Kozu-shima (Izu Is-Japan)	34.216 N	139.156 E	572	4446	R		**Lava domes**		0804-03=	**Historical**								
		Jogo-yama							T-8050?	....	....	....	....	....	x--- ---- ---- --x- ----			
		N tip of island (Anano-yama, Hanatabe)							H-0750*	....	....	....	....	....	x--- ---- ---- x-x- ----			
		NW tip of island (Kobe-yama)							H-0100*	....	....	....	....	....	x--- ---- ---- x-x- ----			
									? 0832	....	....	....	....	....	---- ---- ---- ?--- ----			
		Tenjo-san							0838	0802?	....	....	....	....	x--- ---- xx-- x-x- ----		4	8/8
Miyake-jima (Izu Is-Japan)	34.079 N	139.529 E	815	4445	BA		**Stratovolcano**		0804-04=	**Historical**								
		NW flank (Ofunata; OFB tephra layer)							T-6450z	....	....	....	....	....	-x-- ---- x--- ---- ----		4	-/8
		(Igaya tephra layer)							T-2900z	....	....	....	....	....	x--- ---- x--- x--- ----		4	7/8
		(Igaya-Higashi tephra layer)							G-2000v	....	....	....	....	....	--x- ---- x--- ---- ----		3	-/7
		South flank (Mizutamari maar)							T-1800t	....	....	....	....	....	-x-- ---- xx-- ---- ----		3	-/7
		NW flank (NGS scoria layer)							T-1450z	....	....	....	....	....	-x-- ---- x--- ---- ----			
		(TBS tephra layer)							T-1250?	....	....	....	....	....	---- ---- x--- ---- ----		3	-/7
		Hatchodaira caldera, S flank (Furumio maar)							T-0950x	....	....	....	....	....	xx-- ---- x--x ---- --x-		4+	-/8
		(IZS scoria layer)							T-0600z	....	....	....	....	....	x--- ---- x--- ---- ----		3	-/7
		Taira-yama (TYS tephra layer)							G-0050t	....	....	....	....	....	x--- ---- x--- x--- ----		3	6/7
		(TGS and TGA tephra layers)							T 0260z	....	....	....	....	....	xx-- ---- x--- ---- ----		4	-/8
		Sabigahama (SHB tephra layer)							T 0320z	....	....	....	....	....	-x-- ---- x--- x--- ----		3?	5/7
		Daihannya-yama (DHS tephra layer)							G 0500t	....	....	....	....	....	-x-- ---- x--- ---- ----		3	-/7
		NE flank (MBS tephra layera)							G 0750t	....	....	....	....	....	-xx- ---- x--- ---- ----		3	-/7
		(KHS tephra layer)							0832	0623	....	....	....	....	-x-- ---- x--- ---- ----		3	-/7
		Oyama and East flank (Mi-ike maar)							0850?	....	....	....	....	....	xx-- ---- xx-- x--- ----		4	7/8
									1085	....	....	....	....	....	x--- ---- x--- x--- ----		2	6/-
		NE flank? (SBS tephra layer)							1154	11	....	....	....	....	-?-- ---- x--- ---- ----		3	-/7
		Oyama							1469	1224	....	....	....	....	x-x- ---- x--- x--- ----		3	6/-
		SE flank							1535	03	....	....	....	....	--x- ---- x--- x--- ----		2	6/-
		SE flank							1595	1122	....	....	....	....	--x- ---- x--- x--- --?-		2	5/-
		SW flank (SE of Ako, Kuwanoki-daira?)							1643	0331	1643	04	-xx- ---- x--- x--- -x--		3	6/7
									? 1709	*0423*	....	....	....	....	---- ---- ---- ---- ----			
		SW flank (Kuwanoki-daira)							1712	0204	1714	....	-xx- x--- x--- x--- -xx-		3?	5/8
		Oyama, SSW flank (Shinmio maar)							1763	0817	1769	....	xxx- ---- x--- x--- -x--		4	5/8
		Summit and NE flank?							1811	0127	1811	0128	x-x- ---- x--- x--- ----		2	-/6
		West flank (east and SE of Ako)							1835	1111?	....	....	-xx- ---- x--- x--- -x--		2	5/-
		NNE flank (560 m)							1874	0703	1874	0717?	--x- ---- x--- x--- xx--		3	
		Oyama, NE flank							1940	0712	1940	0805	x-x- ---- x--- x--- xx--		3	6/7
		NE flank							1962	0824	1962	0827	-xx- ---- x--- x--- -x--		2	6/6
		SW flank (4.5 km long NE-SW fissure)							1983	1003	1983	1004	-xx- ---- xxx- x--- -x--		3	6/7
		Summit and submarine western flank							2000	0627	2000	0928	x-x- x--- xxxM ---- -xx-		3*	-/7
									2001	0111	2002	1124	x--- ---- x--- ---- ----		2*	
									2004	1130	2004	1209	x--- ---- x--- ---- ----		1	
									2005	0412	2005	0518	x--- ---- x--- ---- ----		1	
									2006	0217	2006	0217	x--- ---- x-?- ---- ----		1	
									2006	0823	2006	0823	x--- ---- x-?- ---- ----		1	
									2008	0107	2008	0107	x--- ---- x-x- ---- ----		1	
									2008	0508	2008	0508	x--- ---- --x- ---- ----		1	
									2009	0401	2009	0401	x--- ---- x-x- ---- ----		1	
Mikura-jima (Izu Is-Japan)	33.871 N	139.605 E	851	3345	BA		**Stratovolcano**		0804-041	**Tephrochronology**								
									T-5050?	....	....	....	....	....	x--- ---- ---- ---- ----			
		Tsubunegamori & Yasukajigamori domes							G-4100v	....	....	....	....	....	x--- ---- xx-- --x- ----			7/-
Kurose Hole (Izu Is-Japan)	33.40 N	139.68 E	-107	0025	D		**Submarine volc**		0804-042	Holocene?								
Hachijo-jima (Izu Is-Japan)	33.13 N	139.769 E	854	5555	BA		**Stratovolcanoes**		0804-05=	**Historical**								
		Nishi-yama							T-8020*	....	....	....	....	....	x--- ---- xx-- ---- ----		4	-/8
		Nishi-yama							T-7650*	....	....	....	....	....	---- ---- x--- ---- ----			
		Higashi-yama south flank							T-5020*	....	....	....	....	....	-x-- ---- ---- --x- ----		3	-/7
		Nishi-yama							T-4650?	....	....	....	....	....	?x-- ---- xx-- ---- ----		5	-/9
		Nishi-yama							T-3350*	....	....	....	....	....	---- ---- x--- ---- ----			
		Between Nishi-yama & Higashi-yama							G-2700v	....	....	....	....	....	-x-- ---- xx-- ---- ----		3	-/7
		S flank of Higashi-yama (Myohoji)							T-2550z	....	....	....	....	....	-x-- ---- x--- ---- ----		3	-/7

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5 km	POPL 10 km	POPL 100 km	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Hachijo-jima (Izu Is-Japan) *continued*		Nishi-yama							T-2450z	....	....	....		---- ---- xx-- ---- ----	4	-/8
		SE of Nishi-yama, NE of Higashi-yama							T-2050?	....	....	....		-x-- ---- xx-- ---- ----	5	-/9
		Nishi-yama							T-1250*	....	....	....		---- ---- x--- ---- ----		
		SE flank of Nishi-yama (Kanda-yama)							T-1150*	....	....	....		-x-- ---- xx-- ---- ----		
		NW flank of Higashi-yama							T-0350z	....	....	....		-x-- ---- xx-- ---- ----	3	-/7
		Nishi-yama							G-0150t	....	....	....		x--- ---- x--- ---- ----		
		Nishi-yama summit and SE flank							G 0850x	....	....	....		xx-- ---- x--- x--- ----		
		Nishi-yama								1487	1207	....	....	x--- ---- x--- ---- ----	2	
		Nishi-yama								1518	02	1523	....	x--- ---- x--- ---- ----	2	
		Nishi-yama SE flank								1605	1027	....	....	-x-- ---- x--- x--- -x--	2	6/6
		Submarine flank								1606	0123	....	....	-x-- xx-- x--- ---- ----	2	
									? *1707*	....	....	....	....	---- ---- ?--- ---- ----	*2*	
Aoga-shima (Izu Is-Japan)	32.454 N	139.762 E	423	3334		BA		**Stratovolcano**		**0804-06=**		**Historical**				
		Northwest flank							G-1800v	....	....	....	....	--x- ---- x--- x--- ----	2?	7/-
									G-1200t	....	....	....	....	x--- ---- xx-- ---- ----		
		NNW flank							T-1100y	....	....	....	....	-x-- ---- x--- x--- ----		
		SE flank (Kintagaura)							C-0600x	....	....	....	....	-x-- ---- x--- ---- ----	4	8/8
		Ikenosawa crater								1652	....	....	....	x--- ---- x-?- ---- ----	3	
		Ikenosawa crater								1670	....	1680	....	x--- ---x ---- ---- ----	2	
		Maru-yama, SW part of Ikenosawa crater								1780	0727	1785	05 ?	x--- ---x x--- x--- xxx-	3*	6/7
Myojin Knoll (Izu Is-Japan)	32.10 N	139.85 E	360	0003		Ra		**Submarine volc**		**0804-061**		Holocene?				
Bayonnaise Rocks (Izu Is-Japan)	31.88 N	139.92 E	11	0003		DAR		**Submarine volc**		**0804-07=**		**Historical**				
									@	1869	0506	....	....	---- x--- ---- ---- ----	0	
		31.50 N 139.50 E (approx.)							@	1871	....	....	....	---- x--- ---- ---- ----	0	
		14 km north of Bayonnaise Rocks								1896	....	....	....	---- xx-- ---- ---- ----	2	
		9-15 km SE of Bayonnaise Rocks								1906	0407	1906	0414	---- x--- x--- ---- ----	1	
		11 km east, 19 km NE, 4 km SW								1915	02	1915	07	---- x--- x--- ---- ---x	0	
		9 km east of Bayonnaise Rocks								1934	05	....	....	---- x--- ---- ---- ----	0	
		Island at 31.95 N 140.02 E								1946	0204d	....	....	---- xx-- ---- --xx ----	2	7/-
		Myojinsho								1952	0916	1953	10	---- xx-- xx-- --xx xx-x	2	7/-
		Myojinsho								1954	1104	1954	1105	---- x--- ---- ---- ----	0	
		4 km north of Bayonnaise Rocks								1955	0625	....	....	---- x--- ---- ---- ----	0	
										1957	0502	....	....	---- x--- ---- ---- ----	0	
										1958	....	....	....	---- x--- ---- ---- ----	0	
										1959	....	....	....	---- x--- ---- ---- ----	0	
		Myojinsho								1960	0721	....	....	---- x--- ---- ---- ----	2	
		Myojinsho								1970	0129	1970	06	---- x--- x--- ---- ----	2	
									?	*1971*	*0318*	....	....	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1979*	*0713*	....	....	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1980*	*1115*	*?1980*	*1223*	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1982*	*0810*	....	....	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1983*	*0512*	....	....	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1986*	*1024*	*?1986*	*1024*	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1987*	*1021*	*?1987*	*1209*	---- ?--- ---- ---- ----	*0*	
		Myojinsho							?	*1988*	*0318*	*?1988*	*0319*	---- ?--- ---- ---- ----	*0*	
Smith Rock (Izu Is-Japan)	31.436 N	140.054 E	136	0000		DBRa		**Submarine volc**		**0804-08=**		**Historical**				
		31.58 N 140.25 E							?	*1672?*	....	....	....	---- ?--- ---- ---- ----	*0*	
		18 km SW of Smith Rock								1870	05	....	....	---- xx-- ---- ---- ----	2	
		31.28 N 139.92 E							?	*1873*	....	....	....	---- ?--- ---- ---- ----	*0*	
		Just west of Smith Rock								1916	0621	....	....	---- x--- ---- ---- ----	0	
									?	*1974*	*0706*	*?1974*	*0706*	---- ?--- ---- ---- ----	*0*	
									?	*1975*	*0813*	*?1975*	*0926*	---- ?--- ---- ---- ----	*0*	
									?	*1976*	*08*	*?1976*	*08*	---- ?--- ---- ---- ----	*0*	
									?	*1977*	*10*	*?1977*	*10*	---- ?--- ---- ---- ----	*0*	
									?	*1989*	*0118*	*?1989*	*0118*	---- ?--- ---- ---- ----	*0*	
									?	*1989*	*0718*	*?1989*	*0718*	---- ?--- ---- ---- ----	*0*	
									?	*1991*	*1105*	*?1991*	*1105*	---- ?--- ---- ---- ----	*0*	
		Shirane (7.5 km NE of Smith Rocks)							?	*1992*	*0805*	*?1992*	*1007*	---- ?--- ---- ---- ----	*0*	
									?	*1993*	*0908*	*?1993*	*0910*	---- ?--- ---- ---- ----	*0*	
									?	*1994*	*0117*	*?1994*	*0117*	---- ?--- ---- ---- ----	*0*	
									?	*1994*	*0727*	*?1994*	*0727*	---- ?--- ---- ---- ----	*0*	
									?	*1995*	*0705*	*?1995*	*0707*	---- ?--- ---- ---- ----	*0*	
									?	*1996*	*0122*	*?1996*	*0122*	---- ?--- ---- ---- ----	*0*	
									?	*1997*	*1121*	*?1997*	*1121*	---- ?--- ---- ---- ----	*0*	
									?	*1998*	*1027*	*?1999*	*0113*	---- ?--- ---- ---- ----	*0*	
									?	*2000*	*1030*	*?2000*	*1030*	---- ?--- ---- ---- ----	*0*	
									?	*2001*	*1031*	*?2002*	*0228*	---- ?--- ---- ---- ----	*0*	
									?	*2002*	*0904*	*?2002*	*0904*	---- ?--- ---- ---- ----	*0*	
									?	*2003*	*1106*	*?2003*	*1106*	---- ?--- ---- ---- ----	*0*	
									?	*2005*	*0308*	*?2005*	*0308*	---- ?--- ---- ---- ----	*0*	
Tori-shima (Izu Is-Japan)	30.480 N	140.306 E	394	2222		BDA		**Stratovolcano**		**0804-09=**		**Historical**				
										1871	04	....	....	---- x--- ---- ---- ----	0	
		Komochi-yama, N & SW offshore flanks								1902	0807	1902	0824	xx-- x--- x-x- x--- xx--	3	-/7
		North side of 1902 crater (Iwo-yama)								1939	0817	1939	1226e	x--- ---- x--- x--- x---	3	7/7
									S	1965	1113	1965	1205d	---- x--- ---- ---- ----	0	
		9 km south of Torishima								1975	1002	....	....	---- x--- ---- ---- ----	2	
		Iwo-yama								2002	0812	2002	0820	x--- ---- x--- ---- ----	2	
Sofugan (Izu Is-Japan)	29.789 N	140.345 E	99	0002		BA		**Stratovolcano**		**0804-091**		Uncertain				
									?	*1975*	....	....	....	---- ?--- ---- ---- ----	*0*	
Omachi Seamount (Izu Is-Japan)	29.22 N	140.80 E	-1700			A				0804-092		Not a Volcano				
Suiyo Seamount (Izu Is-Japan)	28.60 N	140.63 E	-1418	0000		ADB		**Submarine volc**		**0804-093**		**Fumarolic**				
Mokuyo Seamount (Izu Is-Japan)	28.32 N	140.57 E	-920	0000		A		**Submarine volc**		**0804-094**		**Fumarolic**				
Doyo Seamount (Izu Is-Japan)	27.68 N	140.80 E	-860	0000		BA		**Submarine volc**		**0804-095**		**Fumarolic**				
Nishino-shima (Volcano Is-Japan)	27.274 N	140.882 E	38	0000		A		**Caldera**		**0804-096**		**Historical**				
		East of Nishino-shima								1973	0412	1974	0505d	---- xx-- x--- x--- ----	2	
									?	*1975*	....	*?1977*	....	---- ?--- ---- ---- ----	*0*	
		6.5 km NW of Nishino-shima							?	*1978*	*1116*	*?1979?*	....	---- ?--- ---- ---- ----	*0*	
		South, east, and west sides							?	*1980*	*0707*	*?1981?*	....	---- ?--- ---- ---- ----	*0*	
									?	*1982*	*04*	*?1982*	*04*	---- ?--- ---- ---- ----	*0*	
									?	*1983*	....	*?1984*	....	---- ?--- ---- ---- ----	*0*	
									?	*1985*	*1202*	*?1985*	*1202*	---- ?--- ---- ---- ----	*0*	
									?	*1986*	....	*?1990*	....	---- ?--- ---- ---- ----	*0*	
									?	*2001*	*01*	....	....	---- ?--- ---- ---- ----	*0*	

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VOLCANO NAME (Subregion)	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
ERUPTION — Area of Activity									Start Year M-Dy	Stop Year M-Dy	Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Summit caldera / Crater lake / Explosive / Effusive / Pyroclastic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Kaikata Seamount (Volcano Is)	26.67 N	141.00 E	-162	0000		ABD	Submarine volc		0804-097	Fumarolic			
Kaitoku Seamount (Volcano Is)	26.122 N	141.102 E	-103	0003		BAD	Submarine volc		0804-10=	Historical			
West flank of Nishi-Kaitokuba									1543	....	-x--		0
Higashi-Kaitokuba									1984 0308	1984 0326?	x--- x--- x--- ---- ---- ---- ----		0
								?	*1984 1223*	*?1984 1223*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1986 0618*	*?1986 0618*	---- ?--- ---- ---- ---- ---- ----		*0*
Unnamed (Volcano Is-Japan)	26.13 N	144.48 E	-3200	0000		U	Submarine volc ?		0804-101	Uncertain			
								?	*1974 03*	....	---- ?--- ---- ---- ---- ---- ----		*0*
Kita-Iwo-jima (Volcano Is-Japan)	25.424 N	141.284 E	792	3334		BA	Stratovolcano		0804-11=	Historical			
Funka-Asane									1780	....	---- x--- ---- ---- ---- ---- ----		0
Funka-Asane									1880	1889	---- x--- x--- ---- ---- ---- ----		0
Funka-Asane									1930	1945	---- x--- x--- ---- ---- ---- ----		2?
Funka-Asane								?	*1953 05*	*?1953 05*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1968 08*	*?1968 08*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1982 06*	*?1982 06*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1983 07*	*?1983 07*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1987 08*	*?1987 08*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1989 07*	*?1989 07*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1997 0310*	*?1997 0310*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1998 0521*	*?1998 0521*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1998 1027*	*?1998 1027*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*1999 0907*	*?1999 0916*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2000 0125*	*?2000 0126*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2000 1030*	*?2000 1030*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2001 1029*	*?2001 1029*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2002 0228*	*?2002 0228*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2003 0310*	*?2003 0310*	---- ?--- ---- ---- ---- ---- ----		*0*
Funka-Asane								?	*2003 1104*	*?2003 1104*	---- ?--- ---- ---- ---- ---- ----		*0*
Ioto [Iwo-jima] (Volcano Is-Japan)	24.754 N	141.290 E	161	4444		YT	Caldera		0804-12=	Historical			
Motoyama								G	-0850t	....	x--- ---- x--- x--- ---- ----		
Chidoriga-ana									1889 1231y	....	x--- ---- --x- ---- ---- ----	1	
West side (Asodai)									1922 07	....	x--- ---- --x- ---- ---- ----	1	
NW side near the coast									1930?	....	x--- ---- --x- ---- ---- ----	1	
SW side at Chidoriga-hara									1935	....	x--- ---- --x- ---- ---- ----	1	
North and west sides near the coast									1944 12	....	x--- ---- --x- ---- ---- ----	1	
Chidoriga-hara									1957 0328	1957 0328	x--- ---- x-x- ---- ---- ----	1	-/3
West side (Asodai)									1967 1223	1967 1223	x--- ---- --x- ---- ---- ----	1	-/5
West side (Asodai)									1969 0112?	1969 0121?	x--- ---- --x- ---- ---- ----	1	
									1969 1201p	1969 1201p	x--- ---- --x- ---- ---- ----	1	
NW of Iwo-jima (Kaiseinishinoba)								?	*1974 01*	*?1974 0202*	-x-- ?--- ---- ---- ---- ----		*0*
West side (Asodai)									1976 01	....	x--- ---- --x- ---- ---- ----	1	
West side (Asodai)									1978 1211	1978 1211	x--- ---- --x- ---- ---- ----	1	
Kitanohara									1980 0313	1980 0313	x--- ---- --x- ---- ---- ----	1	
NW side (Idogahama beach)									1982 0309	1982 0310	x--- ---- --x- ---- ---- ----	1	
West side (Asodai)									1982 1128	1982 12 ?	x--- ?--- --x- ---- ---- ----	1	
Asodai area and NE of Iwo-jima								?	*1993 1027?*	*?1993 1116?*	xx-- ?--- --?- ---- ---- ----		*1?*
NE side									1994 0822	1994 0822	x--- ---- --x- ---- ---- ----	1	
Asodai area									1999 0910	1999 0910	x--- ---- --x- ---- ---- ----	1	
Off SE coast and Idogahama (NW coast)									2001 0921	2001 1023	x--- xx-- x-x- ---- ---- ----	1	
Asodai area								?	*2004 0606*	*?2004 0608*	x--- ---- ?-?- ---- ---- ----		*1*
Kita-Fukutokutai (Volcano Is)	24.414 N	141.419 E	-73	0024		U	Submarine volc		0804-121	Historical			
								?	*1937*	....	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1947*	....	---- ?--- ---- ---- ---- ---- ----		*0*
									1953	1954	---- x--- x--- ---- ---- ---- ----		0
								?	*1959*	....	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1988 0127*	....	---- ?--- ?--- ---- ---- ---- ----		*1?*
24.443 N, 141.378 E								?	*2001 1030*	*?2001 1030*	---- ?--- ---- ---- ---- ---- ----		*0*
Fukutoku-Okanoba (Volcano Is)	24.28 N	141.485 E	-14	2223		Y	Submarine volc		0804-13=	Historical			
Shin-Iwo-jima									1904 1114	1905 0516?	---- xx-- x--- ---- ---- ---- ----	3	8/8
Shin-Iwo-jima									1914 0113	1914 0821>	---- xx-- x--- ---- ---- ---- ----	3	-/9
								?	*1950 0201*	*?1950 0201*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1952 0620*	*?1952 0620*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1953 1201*	*?1953 1201*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1954 0204d*	....	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1955 0401*	*?1955 0401*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1956 0401*	*?1956 0501*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1958 0701*	*?1958 1001*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1959 0701*	*?1959 1001*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1960 0701*	*?1960 0901*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1962 0701*	*?1962 1001*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1963 1027*	....	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1967 0701*	*?1967 0701*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1968 0209*	*?1968 0209*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1968 0814*	*?1968 0820*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1972 1001*	*?1972 1001*	---- ?--- ---- ---- ---- ---- ----		*0*
3.8 km NNE of Minami-Iwo-jima									1973 1218	1974 0216	---- x--- x--- ---- ---- ---- ----		2*
									1974 1224	*?1975 1113*	---- xx-- ---- ---- ---- ---- ----		2
								?	*1976 0802*	*?1985 1223*	---- ?--- ---- ---- ---- ---- ----		*0*
									1986 0118	1986 0328?	---- xx-- x--- ---- ---- ---- ----		2
								?	*1986 0407*	*?1987 0626*	---- ?--- ---- ---- ---- ---- ----		*0*
									1987 0714	1987 0830?	---- x--- x--- ---- ---- ---- ----		0
								?	*1987 0904*	*?1991 0206*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1991 0719*	*?1991 1018*	---- ?--- ---- ---- ---- ---- ----		*0*
									1992 1110	*?1993 0909*	---- x--- x--- ---- ---- ---- ----		1	-/5
								?	*1994 0728*	*?1994 0728*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1995 1121*	*?1997 0728*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1997 1118*	*?1998 0521*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1998 1016*	*?1999 0112*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*1999 0908*	*?2000 0218*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*2000 0726*	*?2001 0613*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*2001 1030*	*?2002 0619*	---- ?--- ---- ---- ---- ---- ----		*0*
								?	*2002 1219*	*?2003 0311*	---- ?--- ---- ---- ---- ---- ----		*0*
									2005 0702	2005 0721?	---- x--- x--- ---- ---- ---- ----		1
								?	*2005 0911*	*?2010>*	---- ?--- ---- ---- ---- ---- ----		*0*

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Minami-Hiyoshi (Volcano Is-Japan)	23 497 N	141 940 E	-30	0002	Y	**Submarine volc**	**0804-131**	**Historical**							
(23.50 N 141.92 E)									**1975**	0825			---- x--- ---- ---- ----		0
									? 1976	*02*			---- ?--- ---- ---- ----		*0*
Hiyoshi-Okinoba (also 23.48 N 141.67 E)									*? 1976*	*1220*	*?1977*	*0328*	---- ?--- ---- ---- ----		*0*
									? 1978	*0126?*	*?1978*	*0324*	---- ?--- ---- ---- ----		*0*
									? 1992	*0212*	*?1992*	*0304*	---- ?--- ---- ---- ----		*0*
									? 1996	*0111*	*?1996*	*0112*	---- ?--- ---- ---- ----		*0*
Nikko (Volcano Is-Japan)	23 075 N	142 308 E	-391	0000	BA	**Submarine volc**	**0804-132**	**Fumarolic**							
									? 1979	*0712*			---- ?--- ---- ---- ----		*0*
Fukujin (Volcano Is-Japan)	21 93 N	143 47 E	-217	0000	A	**Submarine volc**	**0804-133**	**Historical**							
									1951	0715q	**1951**	1015q	---- x--- x--- ---- ----		0
									? 1952				---- ?--- ---- ---- ----		*0*
									? 1958	*08*	*?1958*	*09*	---- ?--- ---- ---- ----		*0*
									? 1959	*08*	*?1959*	*10*	---- ?--- ---- ---- ----		*0*
									1968	09			---- x--- ---- ---- ----		0
(21.93 N 143.46 E)									**1973**	0927	**1974**	0305	---- x--- x--- ---- ----		1
(21.95 N 143.45 E)									*? 1976*	*0802*	*?1977*	*0421*	---- ?--- ---- ---- ----		*0*
									? 1977	*1014*	*?1978*	*0324*	---- x--- ---- ---- ----		*0*
									? 1978	*0824*	*?1978*	*0825*	---- ?--- ---- ---- ----		*0*
									? 1979	*0426*	*?1980*	*0512*	---- ?--- ---- ---- ----		*0*
									? 1981	*0107*	*?1981*	*0108*	---- ?--- ---- ---- ----		*0*
									? 1982	*0112*	*?1982*	*0316*	---- ?--- ---- ---- ----		*0*
									? 1982	*1215*			---- ?--- ---- ---- ----		*0*
Kasuga (Volcano Is-Japan)	21 765 N	143 710 E	-598	0000	A	**Submarine volc**	**0804-134**	**Historical**							
									1959	0715q			---- x--- ---- ---- ----		0
(21.78 N 143.71 E)									*? 1975*	*11*			---- ?--- ---- ---- ----		*0*
Minami Kasuga (Volcano Is-Japan)	21 60 N	143 637 E	-274	0000	BAYd	**Submarine volc**	**0804-135**	**Holocene**							
NW Eifuku (Volcano Is-Japan)	21 485 N	144 043 E	-1535	0000	BA	**Submarine volc**	**0804-136**	**Fumarolic**							
Daikoku (Volcano Is-Japan)	21 324 N	144 194 E	-323	0000	A	**Submarine volc**	**0804-137**	**Fumarolic**							

MARIANA ISLANDS

Unnamed (Mariana Is-C Pacific)	21 00 N	142 90 E		0000	U	**Submarine volc ?**	**0804-138**	Uncertain							
									? 1975	*0910*			---- ?--- ---- ---- ----		*0*
Unnamed (Mariana Is-C Pacific)	20 30 N	143 20 E		0000	U	**Submarine volc ?**	**0804-139**	Uncertain							
									? 1975	*0910*			---- ?--- ---- ---- ----		*0*
Farallon de Pajaros (Mariana Is)	20 538 N	144 896 E	360	0000	A	**Stratovolcano**	**0804-14=**	**Historical**							
SW side									**1864**	0107			-x-- ---- x--- ---- ----		2
(publication date of 1864 eruption)									*X 1865*				---- ---- ---- ---- ----		
Summit, NE side									**1874?**		**1876**	0103>	xx-- ---- x--- x--- ----		2
Summit, east side									**1900?**		**1901**	05	xx-- ---- x--- x--- ----		2
North side ?									**1912**				-?-- ---- x--- ?--- ----		2
									1925				---- ---- x--- ---- ----		2
									1928	1215e			---- ---- x--- ---- ----		2?
Summit, east side ?									**1932**	0907	**1932**	1007	x?-- ---- x--- x--- ----		2
Immediately south of Uracas									**1934**	0715q			-x-- x--- x--- ---- ----		0
									1936	0415q			x--- ---- x--- ---- ----		2
East side ?									**1939**				-?-- ---- x--- ?--- ----		2
									1941	0328			x--- ---- x--- x--- ----		
Summit, south side									**1943**				xx-- ---- x--- x--- ----		2
North side									**1947**	01 ?			-x-- ---- ---- x--- ----		0?
									1951	08			x--- ---- x--- ---- ----		2
Summit, east side									**1952**	1026e	**1953**	0415	xx-- ---- x--- x--- ----		2
SW of Uracas (Makhahnas seamount)							S	**1967**	0327	S**1967**	0410	-x-- x--- ---- ---- ----		0
Ahyi (Mariana Is-C Pacific)	20 42 N	145 03 E	-137	0000	AB	**Submarine volc**	**0804-141**	**Seismicity**							
									? 1979	*1115*			x--- ?--- ---- ---- ----		*0*
20.34°N, 145.02°E							S	**2001**	0424	S**2001**	0425	-?-- x--- ---- ---- ----		0
Supply Reef (Mariana Is-C Pacific)	20 13 N	145 10 E	-8	0000	A	**Submarine volc**	**0804-142**	**Hydrophonic**							
NW of Supply Reef (20.24 N, 145.02 E)							S	**1969**	0311	S**1969**	0313	---- x--- ---- ---- ----		0
25 km? NW of Supply Reef							*?*	*1985*	*0902*			---- ?--- ---- ---- ----		*0*
NW of Supply Reef (ca. 20.3 N 144.9E)							@	**1989**	0921	@**1989**	1227	---- x--- ---- ---- ----		0
Maug Islands (Mariana Is-C Pacific)	20 02 N	145 22 E	227	0000	BAD	**Stratovolcano**	**0804-143**	**Fumarolic**							
Asuncion (Mariana Is-C Pacific)	19 671 N	145 406 E	857	0000	A	**Stratovolcano**	**0804-15=**	**Historical**							
									? 1690j				---- ---- ---- ---- ----		
									? 1775j				---- ---- ?--- ---- ----		*2*
(same as 1775j eruption: Corwin)									*X 1786*				---- ---- ---- ---- ----		
(no specific ref. to 1819 activity)									*X 1819*				---- ---- ---- ---- ----		
(steaming only, no eruption)									*X 1901*				---- ---- ---- ---- ----		
Upper SE and west flanks									**1906**				-x-- ---- x--- x--- ----		2
									? 1924				--x- ---- -?-- ---- --?-		*2?*
Agrigan (Mariana Is-C Pacific)	18 77 N	145 67 E	965	0000	BA	**Stratovolcano**	**0804-16=**	**Historical**							
									1917	0409			x--- ---- x--- ---- -x--		4
Pagan (Mariana Is-C Pacific)	18 13 N	145 80 E	570	0000	BA	**Stratovolcanoes**	**0804-17=**	**Historical**							
North Pagan (west flank maar)							G	**1340v**					-x-- ---- xx-- ---- ----		
North Pagan									**1669**				---- ---- x--- ?--- ----		
North Pagan (west flank maar)							C	**1800t**					-x-- ---- xx-- ---- ----		
North Pagan									**1825e**				---- ---- x--- ---- ----		2?
South Pagan									**1864**				---- ---- x--- ---- ----		1?
North Pagan									**1873?**				x--- ---- x--- x--- ----		3?
North Pagan									**1909**				x--- ---- x--- ---- ----		2
North Pagan									**1917**				x--- ---- x--- ---- ----		2
North Pagan									**1923**	02 ?	**1923**	0326e	x--- ---- x--- x--- ----		3*
									1925	02	**1925**	0505	x--- ---- x--- x--- ----		2
South Pagan, cone within caldera							*?*	*1929*		*?1930*			x--- ---- ?--- ---- ----		
("eruption" actually a grassfire)							*X*	*1966*	*0523*				---- ---- ---- ---- ----		
North Pagan (summit and north flank)									**1981**	0515	**1985**	0501>	xxx- ---- xx-- x--- -x--		4* 7/8
North Pagan									**1987**	0904	**1987**	0904	x--- ---- x--- ---- ----		1
North Pagan							*?*	*1988*	*0216*				x--- ---- ?--- ---- ----		
North Pagan									**1988**	0824	**1988**	1012	x--- ---- x--- ---- ----		2
North Pagan									**1992**	0413	**1992**	0413	x--- ---- x--- ---- ----		1?
North Pagan									**1993**	0115e	**1993**	11 >	x--- ---- x--- ---- --x-		2

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Pagan (Mariana Is-C Pacific) *continued*		North Pagan							1996	....	....	....		x--- ---- x-x- ---- ----	1	
		North Pagan							2006	1204	2006	1208		x--- ---- x--- ---- ----	1	
									? 2009	*0415*	....	....		x--- ---- ?--- ---- ----	*2*	
Alamagan (Mariana Is-C Pacific)	17.60 N	145.83 E	744	0000		AB	**Stratovolcano**		**0804-18=**		**Radiocarbon**					
									C 0540u	....	....	....		x--- ---- xx-- ---- ----		
									C 0870v	....	....	....		x--- ---- xx-- ---- ----	4	-/8
									? 1864	*01*	....	....		x--- ---- ?--- ---- ----		
									? 1887	*1129*	....	....		---- ---- ?--- ---- ----		
Guguan (Mariana Is-C Pacific)	17.307 N	145.845 E	287	0000		AB	**Stratovolcano**		**0804-19=**		**Historical**					
		(solfataric activity only)							*X 1819*	....	....	....		---- ---- ---- ---- ----		
									1883a	....	....	....		x--- ---- x--- x--- ----	2?	
		(solfataric activity only)							*X 1901*	....	....	....		---- ---- ---- ---- ----		
Zealandia Bank (Mariana Is)	16.88 N	145.85 E	0	0000		BA	**Stratovolcano**		**0804-191**		**Fumarolic**					
Sarigan (Mariana Is-C Pacific)	16.708 N	145.78 E	538	0000		AB	**Stratovolcano**		**0804-192**		**Holocene**					
Anatahan (Mariana Is-C Pacific)	16.35 N	145.67 E	790	0000		ADby	**Stratovolcano**		**0804-20=**		**Historical**					
		East Crater							2003	0510	2003	0712c		x--- ---- xxx- x-x- ----	3	-/7
		East Crater							2004	0412<	2005	0903?		x--- ---x xx-- x-x- -x--	3?	
		East Crater							2006	0320?	2006	0626?		x--- ---- x--- ---- ----	2*	
									2007	1127c	2008	0809?		x--- ---- x--- ---- ----	2*	
East Diamante (Mariana Is)	15.93 N	145.67 E	-127	0005		D	**Submarine volc**		**0804-201**		**Fumarolic**					
Ruby (Mariana Is-C Pacific)	15.62 N	145.57 E	-230	0005		B	**Submarine volc**		**0804-202**		**Historical**					
									S 1966	0421g	S1966	05		---- x--- ---- ---- ----	0	
									1995	1011?	1995	1025		---- x--- ---- ---- ----	0	
Esmeralda Bank (Mariana Is)	15.00 N	145.25 E	-43	0005		BA	**Submarine volc**		**0804-21=**		**Fumarolic**					
									? 1944	*0820j*	....	....		---- ?--- ---- ---- ----	*0*	
									? 1964	*0414*	....	....		---- ?--- ---- ---- ----	*2*	
									? 1970a	....	....	....		---- ?--- ---- ---- ----	*0*	
									? 1975	*0426*	*?1975*	*0429*		---- ?--- ---- ---- ----	*0*	
									? 1982	*0406*	....	....		---- ?--- ---- ---- ----	*0*	
									? 1987	*0526*	....	....		---- ?--- ---- ---- ----	*0*	
NW Rota-1 (Mariana Is-C Pacific)	14.601 N	144.775 E	-517	0004		BA	**Submarine volc**		**0804-211**		**Historical**					
		Upper South flank (Brimstone Pit)							2003?	....	2009	04 >		-x-- x--- x--- x--- ----	0	
Forecast Seamount (Mariana Is)	13.40 N	143.92 E		0006		U	**Submarine volc**		**0804-22-**		**Fumarolic**					
Seamount X (Mariana Is-C Pacific)	13.25 N	144.02 E	-1230	0006		B	**Submarine volc**		**0804-23-**		**Fumarolic**					
HOKKAIDO																
Oshima-Oshima (Hokkaido)	41.507 N	139.371 E	737	1115		BA	**Stratovolcano**		**0805-01=**		**Historical**					
		Nishi-yama							C-0800v	....	....	....		x--- ---- x--- ---- ----		
		Nishi-yama							C 0250w	....	....	....		x--- ---- x--- ---- ----		
		Nishi-yama							1741	0818?	1742	05		x--- ---- x--A x--- xx-x	4*	-/8
		Nishi-yama							1759	0819	....	....		x--- ---- x--- ---- ----	2	-/6
		Nishi-yama							*? 1786*	....	....	....		x--- ---- ---- ---- ----	*2?*	
		Nishi-yama							1790	01 ?	....	....		x--- ---- x--- ---- ----	2	
E-san (Hokkaido)	41.802 N	141.170 E	618	4456		A	**Stratovolcano**		**0805-011**		**Historical**					
									G-7050?	....	....	....		x--- ---- xx-- --x- ----	3	-/7
		NW E-san (Es-1 tephra)							G-3900v	....	....	....		---- ---- xx-- ---- --x-		
		NW E-san (Es-2 tephra)							T-1050?	....	....	....		---- ---- x-x- ---- ----		
		(Es-3 tephra)							T-0550?	....	....	....		---- ---- xx-A ---- ----		
		NW E-san (Es-4 tephra)							T 1350?	....	....	....		---- ---- -xx- ---- ----		
		(Es-5 tephra)							1846	1118	....	....		x--- ---- --x- ---- xxx-	1	
		(Es-6 tephra)							1874	0608	....	....		---- ---- --x- ---- ----	1	-/5
Komaga-take (Hokkaido)	42.061 N	140.681 E	1131	3566		A	**Stratovolcano**		**0805-02=**		**Historical**					
		(tephra layer Ko-g)							G-4600t	....	....	....		x--- ---- xx-- ---- ----	5	-/9
		(NS1 and NS2 tephras)							T-4500w	....	....	....		x--- ---- xx-- ---- ----		
		(tephra layer Ko-f)							G-4350?	....	....	....		x--- ---- xx-- ---- ----	P	
		(tephra layer Ko-d)							1640	0731	1640	1009		x--- ---- xxxA ---- xxxx	5	-/9
		(tephra layer Ko-c2)							1694	0704	1694	0706		x--- ---- xx-- ---- ----	4	-/8
									? 1710	*0627*	....	....		---- ---- ---- ---- ----		
									? 1765	....	....	....		x--- ---- --x- ---- ----	*2*	
									? 1784	*0208*	....	....		x--- ---- --x- ---- ----	2	
		Ansei Crater (tephra layer Ko-c1)							1856	0925	....	....		x--- ---- xx-- --x- xx--	4	-/8
		NW side of 1856 (Ansei) crater							1888	0414	....	....		x--- ---- --x- ---- ----	2	
		South of Ansei Crater							1905	0819	1905	0901?		x--- ---- --x- ---- -xx-	2	
		SE of Ansei Crater							1919	0617	1919	0726		x--- ---- x-x- ---- ----	2	
									1922	0522	....	....		x--- ---- --x- ---- ----	2	
									1923	0227	1923	0315		x--- ---- --x- ---- ----	2	
									1924	0731	....	....		x--- ---- x-x- ---- ----	2	
									1928	0328	....	....		x--- ---- x-?- ---- ----	1	
		SE and NE of Ansei Crater (layer Ko-a)							1929	0617	1929	0906		x--- ---- xx-- ---- xxx-	4	-/8
		(fumarolic activity only)							*X 1935*	*0708*	....	....		---- ---- ---- ---- ----		
									? 1935	*1015*	*?1935*	*1015*		x--- ---- --?- ---- ----		
									1937	0317	1937	0319		x--- ---- x-x- ---- ----	1	
		NW-SE 1.6-km fissure							1942	1116	1942	1118		x-x- ---- xxx- ---- --x-	3	-/6
		1929 crater and summit crater fissure							1996	0305	1996	0312?		x-x- ---- x-x- ---- ----	1	
		1996 crater							1998	1025	1998	1025		x--- ---- xxx- ---- ----	2	
									2000	0904	2000	1108		x--- ---- xxx- ---- ----	1	
Usu (Hokkaido)	42.541 N	140.843 E	737	4567		BADR	**Stratovolcano**		**0805-03=**		**Historical**					
									T-6550*	....	....	....		x--- ---- ---- x--- ----		
		(Zenkoji debris avalanche)							T-5550z	....	....	....		x--- ---- --?A ---- ----		
									? 1611	*10*	....	....		---- ---- ?--- ---- ----		
									1626	0519	1626	07 ?		---- ---- ?--- ---- ----		
									1638	0725	....	....		---- ---- x--- ---- ----		
		(Usu-b Pumice)							1663	0816	1663	0905d		x--- ---- xxx- ---- xx--	5	-/9
									T 1690j	....	....	....		x--- ---- xxx- ---- ----		
		Ko-Usu							1769	0123	....	....		x--- ---- xx-- --x- -x--	4	7/8
		Foot of Ko-Usu dome, Ogari-yama							1822	0312	1822	09		x--- ---- xx-- --x- xxx-	4	-/8
		O-Usu							1853	0422	1853	09		x--- ---- xx-- --x- -x--	4	8/8
		North flank (Meiji-Shinzan)							1910	0725	1910	11		-x-- ---- x-x- --x- xxx-	2	-/6
		East flank (Showa-Shinzan)							1944	0623	1945	0919		-x-- ---- xxx- --x- xxx-	2	7/6
		Usu-Shinzan							1977	0807	1982	03		x--- ---- xxx- --x- xxx-	3*	-/8
		North flank (Kompira-yama & W Nishi-yama)							2000	0331	2001	0915e		-x-- ---- xxx- ---- -xx-	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Niseko (Hokkaido)	42 88 N	140 63 E	1154	3457	A	**Stratovolcanoes**	0805-031	**Tephrochronology**						
						T-4900?	....	....	....	....	....	---- ---- x-x- ---- ----		
Yotei (Hokkaido)	42 830 N	140 815 E	1898	3557	AD	**Stratovolcano**	0805-032	**Tephrochronology**						
						T-3550?	....	....	....	....	....	---- ---- ?--- ---- ----		
		NW flank (Hangetsu-ko)				T-1050?	....	....	....	....	....	-x-- ---- x--- ---- ----		
Kuttara (Hokkaido)	42 489 N	141 163 E	581	5567	BADR	**Stratovolcanoes**	0805-034	**Tephrochronology**						
		Hiyori-yama lava dome				T-8050?	....	....	....	....	....	-x-- ---- ---- --x- ----		7/-
						G 0200u	....	....	....	....	....	---- ---- x-x- ---- ----		
		West flank (Jigoku-dani)				T 1820v	....	....	....	....	....	-x-- ---- --x- ---- ----	1	-/5
Shikotsu (Hokkaido)	42 688 N	141 380 E	1320	6667	ADR	**Caldera**	0805-04=	**Historical**						
		Tarumai (Ta-d tephra)				C-6950?	....	....	....	....	....	x--- ---- xx-- ---- ----	5	-/9
		Tarumai (Ta-c1, Ta-c2 tephras)				C-0550?	....	....	....	....	....	x--- ---- xx-- ---- ----	5	-/9
		Eniwa volcano (east side of summit)				G-0100v	....	....	....	....	....	x--- ---- x--- ---- ----	2	
		Tarumai (Ta-c3 tephra)				T-0050?	....	....	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Eniwa (crater 1)				G 1500w	....	....	....	....	....	x--- ---- x-x- ---- ----	2	
		Eniwa (crater 2)				G 1550u	....	....	....	....	....	x--- ---- x-x- ---- --x-	2	
		Tarumai (Ta-b tephra)				1667	0923	1667	0926?	x--- ---- xx-- ---- ----	5	-/9
		Eniwa (crater 3)				T 1707r	....	....	....	x--- ---- x-x- ---- --x-	2	
		Tarumai (Ta-a tephra)				1739	0819	1739	0831	x--- ---- xx-x ---- ----	5	-/9
		Tarumai				1804	....	1817	....	x--- ---- xx-- ---- -x--	3	-/7
		Tarumai				1867	0908	....	....	x--- ---- x--- --x- ----	2	
		Tarumai				? *1871*	*1225*	?*1871*	*1228*	x--- ---- x--- ---- ----	*2*	
		Tarumai				1874	0208	1874	0216	x--- ---- xx-- ---- ----	3*	-/7
		Tarumai				1883	1007	1883	1105	x--- ---- x--- ---- ----	2	
		Tarumai				1885	0104	1885	03	x--- ---- x--- ---- ----	2	
		Tarumai				1886	0413	1886	0428	x--- ---- x--- ---- ----	2	
		Tarumai				1887	0903	1887	1008	x--- ---- x--- ---- ----	2	
		Tarumai				1894	0208	1894	0208	x--- ---- x--- ---- ----	2	
		Tarumai				1894	0817	1894	0817	x--- ---- x--- ---- ----	2	
		Tarumai				1909	0111	1909	0422	x--- ---- x--- --x- ----	3*	7/-
		Tarumai (east-west summit fissure)				1917	0430	1917	0512	x-x- ---- x--- ---- ----	2	
		Tarumai				1918	0613	1918	0731	x--- ---- x--- ---- ----	1	
		Tarumai				1919	0504	1919	0504	x--- ---- x--- ---- ----	2	
		Tarumai				1920	0717	1920	0723	x--- ---- x--- ---- ----	1	
		Tarumai				1921	0706	1921	0706	x--- ---- x--- ---- ----	1	
		Tarumai				1923	02	1923	0823	x--- ---- x--- ---- ----	1	
		Tarumai				1926	1019	1926	1030	x--- ---- x--- ---- ----	2	
		Tarumai				1928	0107	1928	0107	x--- ---- x--- ---- ----	2	
		Tarumai				1928	0906	1929	0210	x--- ---- x--- ---- ----	1	
		Tarumai				1931	1011	1931	1024	x--- ---- x--- ---- ----	1	
		Tarumai (east-west summit fissure)				1933	1201	1933	1214	x-x- ---- x--- ---- ----	2	
		Tarumai				1936	0419	1936	0419	x--- ---- x--- ---- ----	1	
		Tarumai				1936	1115	1936	1126	x--- ---- x--- ---- ----	1	
		Tarumai				1944	0702	1944	0702	x--- ---- x-x- ---- ----	1	
		Tarumai				? *1944*	*1125*	?*1944*	*1125*	x--- ---- ---- ---- ----	*1?*	
		Tarumai				1951	0129	1951	0129	x--- ---- x--- ---- ----	2	
		Tarumai				1951	0728	1951	0728	x--- ---- x--- ---- --x-	2	
		Tarumai				1953	0914?	1953	0914?	x--- ---- x-x- ---- ----	1	
		Tarumai				1954	0502	1954	0502	x--- ---- x--- ---- --x-	1	
		Tarumai				1954	1119	1955	0214	x--- ---- x--- ---- ----	1	
		Tarumai (SE foot of summit dome)				1978	0514	1978	0517	x--- ---- xxx- ---- ----	1	-/4
		Tarumai (SE foot of summit dome)				1978	1212	1979	0511	x--- ---- x-x- ---- ----	1	
		Tarumai				1981	0227<	....	....	x--- ---- --x- ---- ----	0	-/2
Rishiri (Hokkaido)	45 18 N	141 25 E	1721	3455	ADBr	**Stratovolcano**	0805-041	**Radiocarbon**						
		(Rs-Ho tephra layer)				C-5830y	....	....	....	-x-- ---- x--- ---- ----		
Tokachi (Hokkaido)	43 416 N	142 690 E	2077	2357	ABD	**Stratovolcanoes**	0805-05=	**Historical**						
		(To-h tephra)				G-2650x	....	....	....	---- ---- x-x- ---- ----		
						G-1750t	....	....	....	---- ---- -x-- ---- ----		
		Ground Crater				G-1350?	....	....	....	x--- ---- xx-- ---- ----	3	-/7
						G 0000t	....	....	....	---- ---- x-x- ---- ----		
		(To-f tephra)				G 0350v	....	....	....	---- ---- x--- ---- ----		
		(To-d, To-e tephras)				T 0600y	....	....	....	---- ---- x--- ---- ----		
		(To-c tephra)				G 0950t	....	....	....	---- ---- x--- ---- ----		
						T 1050x	....	....	....	---- ---- x--- x--- ----		
		(To-b tephra)				G 1250?	....	....	....	x--- ---- x-x- ---- ----	3	-/7
		Maru-yama				G 1570v	....	....	....	x--- ---- x--- x--- ----	2?	7/-
						1857	....	....	....	x--- ---- x--- ---- ----	2	
		Lower part of Maru-yama?				1887	06	....	....	-x-- ---- x-?- ---- ----	2	
		Maru-yama (Yunuma)				1889	....	....	....	x--- ---- ?--- ---- ----	2	
		Shin-funkako				1925	1120	1927	09	x--- ---- xxx- ---- xxx-	3*	
		Shin-funkako				1928	01	1928	0523	x--- ---- x-x- ---- ----	1	
		Shin-funkako				1928	1204	1928	1225	x--- ---- --x- ---- ----	1	
						1931	0516	1931	0516	---- ---- x-x- ---- ----	1	
		NE of Shin-funkako (Showa Crater)				1952	0817	....	....	x--- ---- --x- ---- ----		
		NE of Shin-funkako (Showa Crater)				1954	09	1954	09	x--- ---- --x- ---- ----	1	
		NE of Shin-funkako (Showa Crater)				1956	06	1956	06	x--- ---- --x- ---- ----	1	
		NE of Shin-funkako (Showa Crater)				? *1957*	*0820*	?*1957*	*0820*	x--- ---- --x- ---- ----	*1*	
		NE of Shin-funkako (Showa Crater)				1958	1004	1958	1004	x--- ---- --x- ---- ----	1	
		NE of Shin-funkako (Showa Crater)				1959	0815e	1959	1125	x--- ---- --x- ---- ----	1	
		NW of Kami-Horokamettoku-yama				1961	0814	1961	0814	x--- ---- --x- ---- ----	1	
		South of Shin-funkako				1962	0629	1962	09	x--- ---- x--- ---- xx--	3	-/7
		East wall of 1962 crater				1985	0619	1985	0622	x--- ---- x-x- ---- ----	1	
		1962 Crater				1988	1210?	1989	05	x--- ---- xxx- ---- --x-	2*	-/5
		1962-II Crater				2004	0225	2004	0419	x--- ---- x-x- ---- ----	1?	
Daisetsu (Hokkaido)	43 661 N	142 858 E	2290	2357	AD	**Stratovolcanoes**	0805-06=	**Tephrochronology**						
		Asahi-dake (Asahi Scoria deposit)				G-3200u	....	....	....	---- ---- x--- ---- ----		
		Asahi-dake (As-A tephra)				G-2800v	....	....	....	---- ---- x-x- ---- ----		
		Asahi-dake (As-B tephra)				G-1450t	....	....	....	---- ---- x-x- ---- ----		
		Asahi-dake (Ash-b tephra)				T-0550z	....	....	....	---- ---- x-x- ---- ----		
		Asahi-dake				T 1739>	....	....	....	?-?- ---- x-x- ---- ----		
Nipesotsu-Maruyama (Hokkaido)	43 453 N	143 036 E	2013	0147	ADR	**Stratovolcanoes**	0805-061	**Historical**						
		Maru-yama (My-b tephra)				G-1700?	....	....	....	---- ---- x-x- ---- ----	2	-/6
		Maru-yama (No. 1 crater)				1898	1203?	1898	1206	x-x- ---- x-x- ---- --x-	2	-/6

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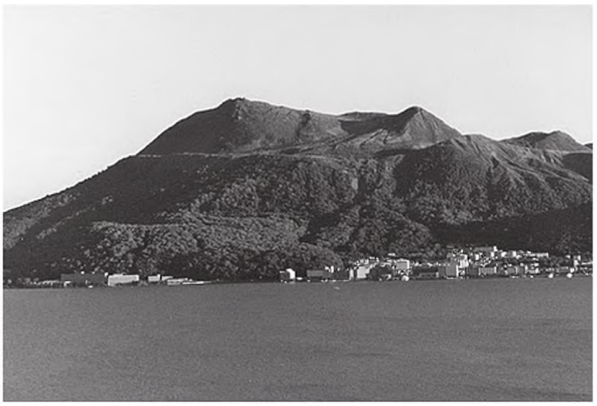
VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Near-vent / Satellite / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LIT
Shikaribetsu Group (Hokkaido)	43.312 N	143.096 E	1401	2357			AD	Lava domes	0805-062		Holocene?				
Akan (Hokkaido)	43.384 N	144.013 E	1499	4446			ADBR	Caldera	0805-07=		Historical				
Me-Akan (Nakamachineshiri)								C-7050?	....	....	....	....	---- ---- xx-- ---- ----	4	-/8
Me-Akan (Ponmachineshiri)								C-4550z	....	....	....	....	---- ---- ---- x--- ----		
Me-Akan (Nakamachineshiri)								C-3550z	....	....	....	....	---- ---- xx-- ---- --x-	3	-/7
Nishi-yama, O-Akan								C-3050?	....	....	....	....	x--- ---- x--- x--- ----		
Kita-yama, Me-Akan (Ponmachineshiri)								C-2050?	....	....	....	....	---- ---- x--- x--- ----		
Me-Akan (Ponmachineshiri)								C-0800	....	....	....	....	---- ---- x--- ---- --x-		
Akan-Fuji (tephra layer AS-1)								T-0550?	....	....	....	....	---- ---- x--- ---- ----		
Akan-Fuji (tephra layers AS-2-6, AL-1-3)								T-0300v	....	....	....	....	---- ---- x--- x--- ----		
Akan-Fuji (AS-7 tephra)								G-0050?	....	....	....	....	---- ---- xx-- x--- ----	P	
Akan-Fuji (AS-8,9 tephras)								T 0100v	....	....	....	....	---- ---- x--- ---- ----		
Akan-Fuji (AS-10 and AL-4 tephras)								G 0250?	....	....	....	....	---- ---- x--- x--- ----		
Akan-Fuji (AS-11-17 tephras)								T 0600y	....	....	....	....	---- ---- x--- ---- ----		
Me-Akan (Ponmachineshiri)								T 0950?	....	....	....	....	x--- ---- x--- x--- ----		
Me-Akan (Ponmachineshiri Po-29-15)								T 1250y	....	....	....	....	---- ---- x?x- ?--- ----		
Me-Akan (Ponmachineshiri tephra Po-14)								T 1550?	....	....	....	....	---- ---- x-x- ---- ----		
Me-Akan (Ponmachineshiri tephra Po-13,12)								T 1600l	....	....	....	....	---- ---- x-x- ---- ----		
Me-Akan (Ponmachineshiri Po-11 tephra)									1780u	....	....	....	x--- ---- x--- ---- ----	1	
Me-Akan									1808?	....	....	....	---- ---- --?- ---- ----		
Me-Akan								?	*1927*	*04*	?*1927*	*05*	x--- ---- --?- ---- ----	*1*	
Me-Akan (NE foot)								?	*1951*	*0731*	?*1952*	*03*	-x-- ---- --?- ---- ----	*1*	
Me-Akan (Nakamachineshiri)									1954	0107?	1954	0413	x--- ---- x-x- ---- ----	1*	
Me-Akan (Ponmachineshiri)									1955	1119	1955	1119	x--- ---- x-x- ---- ----	1	-/4
Me-Akan (Ponmachineshiri)									1956	0318	1956	1031	x--- ---- x-x- ---- ----	1	-/5
Me-Akan (Ponmachineshiri)									1957	0226	1957	0905	x--- ---- x-x- ---- ----	1	
Me-Akan (Ponmachineshiri)									1958	0223	1958	0223	x--- ---- x-x- ---- ----	1	
Me-Akan (Naka- and Ponmachineshiri)									1959	0515e	1959	10	x--- ---- --x- ---- ----	1	
Me-Akan (Ponmachineshiri)									1960	09	1960	09	x--- ---- --x- ---- ----	1	
Me-Akan (Nakamachineshiri)									1962	0428	1962	0428	x--- ---- --x- ---- ----	1	
Me-Akan (Nakamachineshiri)									1964	0618	1964	0704?	x--- ---- --x- ---- ----	1	
Me-Akan (Nakamachineshiri)									1965	0515e	1965	0515e	x--- ---- --x- ---- ----	1	
Me-Akan (Nakamachineshiri)									1966	0615e	1966	0615e	x--- ---- --x- ---- ----	1	
Me-Akan (Ponmachineshiri)									1984	0501	1984	0501	x--- ---- x-x- ---- ----	1	
Me-Akan (SE rim of Ponmachineshiri)									1988	0105	1988	0218?	x--- ---- x-x- ---- ----	1	
Me-Akan (Ponmachineshiri crater no. 4)									1996	1121	1996	1121	x--- ---- x-x- ---- ----	1	
Me-Akan (Ponmachineshiri crater)									1998	1109	1998	1109	x--- ---- x-x- ---- ----	1	
NE flank of Me-Akan									2006	0321	2006	0321	x--- ---- x-x- ---- ----	1	
Me-Akan (Ponmachineshiri crater)									2008	1118	2008	1128	x--- ---- x-x- ---- ----	1	
Kutcharo (Hokkaido)	43.608 N	144.443 E	999	4456			DARB	Caldera	0805-08=		Tephrochronology				
Atosanupuri								T-5800*	....	....	....	....	x--- ---- ---- --x- ----		
Atosanupuri								T-3550?	....	....	....	....	x--- ---- xx-- --x- ----		
Atosanupuri								T-1550*	....	....	....	....	x--- ---- ---- --x- ----		
Atosanupuri (At-b tephra)								T 0450?	....	....	....	....	x--- ---- x-x- ---- ----		
Atosanupuri								T 0700?	....	....	....	....	x--- ---- ---- --x- ----		
Atosanupuri (At-a tephra)								T 1320y	....	....	....	....	x--- ---- x-x- ---- ----		
Mashu (Hokkaido)	43.570 N	144.565 E	855	4456			ADB	Caldera	0805-081		Radiocarbon				
(tephra layers Ma-j-f)								G-5550v	....	....	....	....	x--- ---- xx-x ---- ----	6	-/10
Kamuinupuri (tephra layer Ma-e)								G-3550s	....	....	....	....	-x-- ---- xx-- ---- ----	4	-/8
Kamuinupuri (tephra layer Ma-e')								T-2800*	....	....	....	....	-x-- ---- x--- ---- ----	3	-/7
Kamuinupuri (tephra layer Ma-d)								G-2050s	....	....	....	....	-x-- ---- xx-- ---- ----	4	-/8
Kamuinupuri (tephra layers Ma-c4-c2)								G 0150v	....	....	....	....	---- ---- x--- ---- ----	4	-/8
Kamuinupuri (tephra layer Ma-c1)								G 0350v	....	....	....	....	---- ---- x--- ---- ----	2	-/6
Kamuinupuri (tephra layer Ma-b)								G 1080v	....	....	....	....	-x-- ---- x--x ---- ----	5	-/9
Rausu (Hokkaido)	44.073 N	145.126 E	1660	2446			AD	Stratovolcano	0805-082		Radiocarbon				
(Ra3-Ra8 tephras)								G-0270v	....	....	....	....	x--- ---- xx-- ---- ----		
SW flank (Tencho-zan; Ten-a tephra)								G 0080l	....	....	....	....	--x- ---- x-x- ---- ----	3	-/7
(Ra2 tephra)								G 0550v	....	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(Ra1 tephra)								G 1350v	....	....	....	....	x--- ---- xx-- ---- ----	3	-/7
								T 1800l	....	....	....	....	x--- ---- xx-- ---- ----	3	
Shiretoko-Iwo-zan (Hokkaido)	44.131 N	145.165 E	1563	1446			A	Stratovolcano	0805-09=		Historical				
(St-1 tephra layer)								T 0850z	....	....	....	....	---- ---- x-x- ---- ----		
									1857	....	1858	....	---- ---- --?- ---- ----		
NW flank									1876	0923	1876	0926	-x-- ---- --x- ---- ----	2	
								?	*1880*	*1124*	?*1880*	*1126*	---- ---- --?- ---- ----		
NW flank									1889	0809	1889	0825	-x-- ---- --x- ---- ----	2?	
NW flank									1890	0615	....	....	-x-- ---- --x- ---- ----	1	
NW flank									1935	12	1936	10	-x-- ---- --x- ---- ----	1	



Ichio Moriya (Kanazawa Univ.)

Historical eruptions of Hokkaido's Usu volcano, with multiple flank and summit lava domes rising above Lake Toya, have impacted the town of Toyako-Onsen at its base.

Yukio Hayakawa (Gunma Univ.)

The symmetrical post-caldera cone of Haruna-Fuji, rising above Haruna Lake, is one of many Japanese volcanoes named after the country's most renowned landmark.

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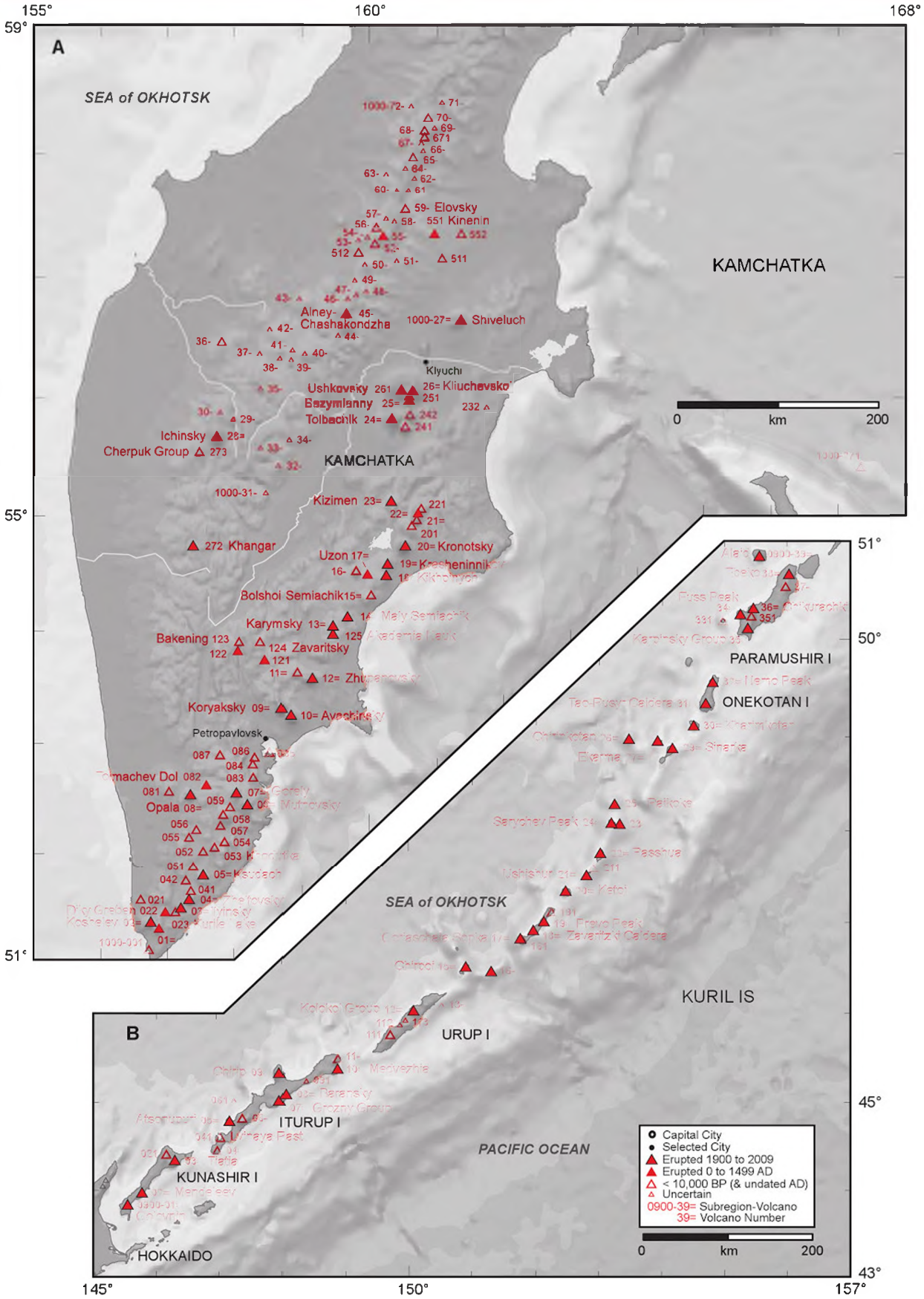
Kuriles, Kamchatka, & Mainland Asia (09 &10)



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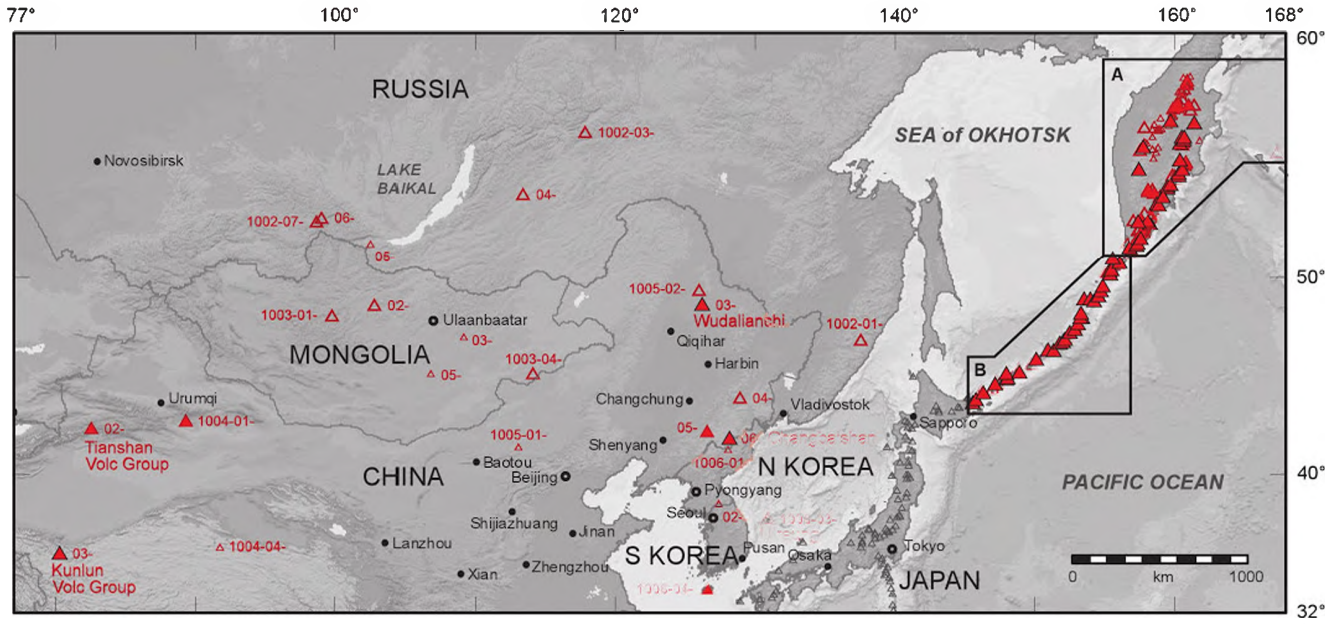

These two *CAVW* regions are combined here, since most of their volcanoes form a continuous arc with a shared history and tectonic setting. Although the *CAVW* organizers could have originally combined the Kuriles and Kamchatka as Region 09 and used 10 for the volcanoes of mainland Asia, few if any inland volcanoes were recognized at the time. The original *CAVW* grouping was "Kamchatka and Manchuria", but by the time of publication (1958) this had been widened to "Kamchatka and continental areas of Asia." Nevertheless, only 5 mainland volcanoes were listed in that catalog, as opposed to 26 here; an increase exceeded only by the gains in Region 12 (Western US and Canada).

Russian explorers reached Siberia's Pacific coast in 1637 and the Kamchatka Peninsula by 1697, also the year of its first eruption report (on Kliuchevskoi, the region's most vigorous volcano). Two other Kamchatkan volcanoes are known to have erupted in the 17th century. Mutnovsky and Koshelev, but the first historical eruptions from the Kurile Islands were early in the 18th. Peter the Great's epic exploring expedition, led by Vitus Bering from 1733 to 1742, mapped the east coast of Kamchatka, and La Perouse explored the Kuriles by sea in 1787. The Kuriles have been contested by Japan and Russia, and Japan held the islands from 1875 to the end of WW-II. Heavy colonization of Kamchatka began early in the 19th century, and in 1904 the Trans-Siberian Railroad opened, linking Europe to Vladivostok (and China). Of Kamchatka's 306 historically documented eruptions, nearly 90% have been since 1800 AD and nearly three-fourths since 1900.

As with the rest of the NW Pacific, subduction of the Pacific Plate has produced the vigorous explosive volcanism of the Kurile-Kamchatka arc, but tensional volcanism dominates the mainland part of the region. The Baikal rift, for example, includes young basaltic cinder cones as well as the world's deepest lake.

The contrast between Kamchatka and the mainland remains strong in the timing of historical volcanism, with that on the Asian mainland having begun early but been infrequent in recent centuries. Four volcanoes had erupted by mid-17th century (the time of the first historical Kamchatkan eruption), the first being the Tianshan Group in the 1st and 7th centuries AD. One of the world's largest Holocene eruptions, only recently receiving volcanological attention, took place at Changbaishan (Baitoushan) on the China/Korea border, in the 11th century AD. Mainland Asia's most recent eruptions are Wudalianchi in Manchuria in 1719-21 and 1776, Changbaishan in 1903, and the Kunlun volcano group in western China in 1951.

The Kuriles and Kamchatka are sparsely populated and among the 4 smallest *CAVW* regions. The Kamchatka peninsula holds about 450,000 people, most in its largest city, Petropavlovsk. The population of the Kuriles declined from about 30,000 to about 16,000 following a major earthquake in 1994, and most reside in the 3 southern islands of Kunishir, Iturup, and Urup. The addition of mainland Asia, however, makes region 10 easily the most heavily populated, and (with the possible exception of Antarctica) the largest.

Regular monitoring of Kamchatkan volcanoes began in 1935 when the Kamchatka Volcanological Station was founded in Petropavlovsk. This grew into the Institute of Volcanology, the largest in the world, and was split into the IV and the Institute for Volcanic Geology and Geophysics in 1991. Observation of Kurile volcanoes is largely done by the Institute of Volcanology and Geodynamics in Sakhalin.

This region currently has the third largest number of undated Holocene volcanoes (70) next to 87 for South America and 101 for Africa. This number for Kamchatka and Mainland Asia has gone down significantly since the 2nd edition (105) as detailed stratigraphic studies of Kamchatka volcanoes have refined the ages of Kamchatka volcanoes and led to the second highest regional totals for eruptions dated by radiocarbon or tephrochronology (448), trailing only Japan. Kamchatka and Mainland Asia is tied for third with Africa and Japan (140), and behind Indonesia (144) and South America (194) in total number of known or possible Holocene volcanoes, and trails only Japan (114) in the number of the number of volcanoes with average VEIs of 3 or larger and in large (VEI ≥4) eruptions (102). No other region has a higher proportion of explosive eruptions (95%) or a higher number of dated Holocene caldera-forming eruptions: Ksudach volcano with four leads the world in this category. Kamchatka leads the world in the number of eruptions forming lava domes, led by repeated dome growth at Bezymianny and Shiveluch volcanoes, both of which have undergone large-scale edifice collapse producing debris avalanches in historical time. Kamchatka also has the largest number of shield volcanoes (44), mostly in the Sredinny Range on the western side of the peninsula. Many volcanoes in this range were considered to be of Holocene age due to morphology and degree of glacial modification, but later work has cast doubt on the age of these volcanoes, many of which could be of late Pleistocene age. Their Status has been downgraded in this compilation to "Holocene?," reflecting the uncertainty of their age in the absence of dated eruptions.

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
KURILES																	
Golovnin (Kunashir I)	43.841N	145.509E	543	4446				ADB	**Caldera**	0900-01=	**Historical**						
(tephra layer Kn-IV-12)											T -4550?				---- ---- x--- ---- ----		
Kipyascheye lake (tehra layer KnIV-4)											T 1290 P				x--- ---- x-x- ---- ----		
Eastern explosion crater											1848				x--- ---- x--- ---- ----	1	
Mendeleev (Kunashir I)	43.976N	145.736E	888	3446				ADB	**Stratovolcano**	0900-02=	**Historical**						
West side of central cone (KnIV-10 tephra)											C -2270 t				x--- ---- xx-A --x- ----		
NE solfatara field											1880				-x-- ---- ---x- ---- ----	1	
											? *1900*				---- ---- ---- ---- ----	*2?*	
Smirnov (Kunashir I)	44.420N	146.135E	1189	0335				AD	**Stratovolcano**	0900-021	**Holocene**						
Tiatia (Kunashir I)	44.351N	146.256E	1819	1335				BA	**Stratovolcano**	0900-03=	**Historical**						
											1812	08			---- ---- x--- ---- ----	2	
NNW and SSE flanks											1973	0714	1973	0728	-x-- ---- x--- x--- ----	4	-/8
(steam-gas columns: no solid ejecta)											X *1974*	....	X *1975*	....	---- ---- ---- ---- ----		
											1978	0720			---- ---- --x- ---- ----	2	
											1981	0610	1981	0625	??-- ---- x--- ---- ----	2?	
											? *1982*	*0210*	?*1982*	*0214*	x--- ---- --?- ---- ----	*1*	
Berutarube (Iturup I)	44.459N	146.936E	1221	0334				AD	**Stratovolcano**	0900-04=	**Holocene**						
(probably only fumarolic activity)											? *1812*				---- ---- ?--- ---- ----	*1*	
Lvinaya Past (Iturup I)	44.608N	146.994E	528	0334				ABD	**Stratovolcano**	0900-041	**Radiocarbon**						
											C -7480 t				x--- ---- xx-x ---- ----	6+	-/10
Atsonupuri (Iturup I)	44.805N	147.135E	1206	1334				AB	**Stratovolcano**	0900-05=	**Historical**						
											1812	0905d			---- ---- x--- ---- ----	1	
											1932				---- ---- ?--- ---- ----	2	
Bogatyr Ridge (Iturup I)	44.833N	147.342E	1634	1344				AD	**Stratovolcano**	0900-06-	**Holocene**						
Unnamed (Iturup-NW of)	45.03 N	147.208E	-930	0034				U	**Submarine volc**	0900-061	Uncertain						
17.5 km NW of Iturup Island											? *1967*	*0426*			---- ?--- ---- ---- ----		
Grozny Group (Iturup I)	45.026N	147.922E	1211	0244				A	**Complex volcs**	0900-07=	**Historical**						
Ivan Grozny											1968	02	1968	02	x--- ---- x--- ---- ----	1	
Ivan Grozny											1970				x--- ---- x--- ---- ----	1	
Ivan Grozny											1973	01	1973	01	x--- ---- x--- ---- ----	1	
Ivan Grozny (N flank of cent. dome)											1973	0516	1973	0517	-x-- ---- x--- ---- ----	2?	
Ivan Grozny											1989	0503	1989	0805d	x--- ---- x--- ---- --x-	2	
Baransky (Iturup I)	45.097N	148.024E	1132	0044				AD	**Stratovolcano**	0900-08=	**Historical**						
											C 1460 r				---- ---- ---- ---- ----		
											C 1570 r				---- ---- ---- ---- ----		
											1951	0715q			---- ---- x--- ---- ----	1	
Chirip (Iturup I)	45.338N	147.925E	1587	2344				BAd	**Stratovolcanoes**	0900-09=	**Historical**						
											1843				---- ---- x--- ---- ----	2?	
SE of Bogdan Khmelinitskii summit											1860?				-x-- ---- x--- ---- ----	1	
Golets-Tornyi Group (Iturup I)	45.25 N	148.35 E	442	4444				AD	**Pyroclastic cones**	0900-091	Holocene?						
Medvezhia (Iturup I)	45.387N	148.843E	1125	2234				ABDR	**Somma volcano**	0900-10=	**Historical**						
											T -0050?				x--- ---- x--- ---- ----		
Kudriavy											1778	1231y			x--- ---- x--- ---- ----	2	
Kudriavy											1883	05	1883	06	x--- ---- x--- x--- ----	2	
Kudriavy											? *1946*				---- ---- --?- ---- ----	*2*	
Kudriavy											1958				---- ---- x--- ---- ----	1	
Kudriavy											1999	1007	1999	1013	x--- ---- x-x- ---- ----	1	
Demon (Iturup I)	45.50 N	148.85 E	1205	2334				U	**Stratovolcano**	0900-11-	**Holocene**						
Ivao Group (Urup I)	45.77 N	149.68 E	1426	1223				U	**Cinder cones**	0900-111	**Holocene**						
Rudakov (Urup I)	45.88 N	149.83 E	542	2223				A	**Stratovolcano**	0900-112	Holocene?						
Tri Sestry (Urup I)	45.93 N	149.92 E	998	0023				A	**Stratovolcano**	0900-113	Holocene?						
Kolokol Group (Urup I)	46.042N	150.05 E	1328	1133				A	**Somma volcs**	0900-12=	**Historical**						
											1780 j				---- ---- ---- ---- ----	2?	
Berg											1845		1846		---- ---- x--- ---- ----	2	
Berg ?											1894	0725	1894	0726	---- ---- x--- ---- ----	2	
Trezubetz											1924	0313			-x-- ---- x--- ---- ----	2?	
Berg											1940 f				x--- ---- ---- --x- ----		7/-
Berg											1946	0415q			---- ---- x--- ---- ----	2	
Berg											1952	0115q			x--- ---- x--- ---- ----	2	
Berg											1970	02	1970	03	-x-- ---- x--- ---- ----	3	
Berg (northern part of lava dome)											1973	0725	1973	0726?	x--- ---- x--- ---- ----	1	
Berg											? *2005*				---- ---- --?- ---- ----	*1?*	
Berg											? *2009*	*0826*			x--- ---- ?--- ---- ----	*2*	
Unnamed (Urup-E of)	46.10 N	150.50 E	-100	0233				U	**Submarine volc ?**	0900-13-	Uncertain						
7.7 km E of Urup Island											? *1978*	*0331*			---- ?--- ---- ---- ----	*0*	
Chirpoi (Kuril Is)	46.525N	150.875E	742	1113				ABD	**Caldera**	0900-15=	**Historical**						
Cherny											1712	1231y			---- ---- x--- ---- ----	4?	
Snow											1790 p				---- ---- x--- x--- ----		
Snow											1811	0611			---- ---- x--- ---- ----	2	
Snow (or Cherny)											1854	0624			---- ---- x--- ---- ----	2	
Cherny											1857	07			---- ---- x--- ---- ----	3	
Snow											1879	05	1879	06	---- ---- x--- x--- ----	2	
Snow											1960	1020			---- ---- x--- ---- ----	2?	
Snow											1982	1122			x--- ---- ?--- ---- ----	2	
Unnamed (Kuril Is)	46.47 N	151.28 E	-502	0003				U	**Submarine volc**	0900-16-	**Hydrophonic**						
											S 1972	0429	S 1972	0430	---- x--- ---- ---- ----	0	
Milne (Simushir I)	46.82 N	151.78 E	1540	2223				A	**Somma volcano**	0900-161	**Holocene**						
Goriaschaia Sopka (Simushir I)	46.83 N	151.75 E	891	2223				AB	**Stratovolcano**	0900-17=	**Historical**						
											1842	06			---- ---- x--- ---- ----	3?	
											1849				---- ---- x--- ---- ----	2	
											1881	09			---- ---- x--- x--- ----	2	
											1883	0415q			---- ---- ---- --?- ----	1	7/-
											1914	0604	1914	0604	x--- ---- x--- ---- ----	2	
											? *1944*				---- ---- ?--- ---- ----	*2*	
Zavaritzki Caldera (Simushir I)	46.925N	151.95 E	624	2223				ABD	**Caldera**	0900-18=	**Historical**						
North end of caldera lake											1923 h				x--- ---- x--- --x- ----	1	
North end of caldera lake											1957	1112	1957	1201	---- ---x x--- x-x- --x-	3*	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Crater lake / Explosive / Effusive / Pyroclastic / Caldera / Lava flow / Lava dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Prevo Peak (Simushir I)	47.02 N	152.12 E	1360	0123			BA	**Stratovolcano**	**0900-19=**	**Historical**						
									1765e					---- ---- xx-- ---- -x--	3↑	
									1825q					---- ---- x--- ---- ----	2	
Urataman (Simushir I)	47.12 N	152.25 E	678	1122			A	**Somma volcano**	**0900-191**	**Holocene**						
Ketoi (Kuril Is)	47.35 N	152.475 E	1172	1222			AB	**Stratovolcano**	**0900-20=**	**Historical**						
		Pallas Peak							1843	07		1846	....	---- ---- x--- x--- ----	2	
		Pallas Peak							1924					---- ---- x--- ---- ----	2	
		Pallas Peak							1960	0927				---- ---- x--- ---- ----	2	
Ushishur (Kuril Is)	47.52 N	152.80 E	401	0023			AD	**Caldera**	**0900-21=**	**Historical**						
									C-7450t					x--- ---- x--x ---- ----	C	
		SE caldera wall							1710j					x--- ---- --x- ---- ----	1	
		Center of caldera bay							1769>					x--- x--- x--- --x- ----		7/-
		SE caldera wall							1884	07				x--- ---- --x- ---- ----	1	
Srednii (Ushishur-NW of)	47.60 N	152.92 E	36	0013			U	**Submarine volc**	**0900-211**	**Holocene**						
									? 1880?	*0712*		*?1880?*	*0712*	---- x--- ---- ---- ----	*0*	
Rasshua (Kuril Is)	47.77 N	153.02 E	956	0113			AD	**Stratovolcano**	**0900-22=**	**Historical**						
		Eastern cone ?							1846					x--- ---- x--- ---- ----	3	
									1957	10				---- ---- --x- ---- ----	1	
Unnamed (Matua-E of)	48.08 N	153.33 E	-150	2333			U	**Submarine volc**	**0900-23=**	**Historical**						
		Near Toporkovyi islet							1924	0215				---- x--- ---- ---- ----	0	
Sarychev Peak (Matua I)	48.092 N	153.20 E	1496	2333			A	**Stratovolcano**	**0900-24=**	**Historical**						
									1765e					---- ---- x--- ---- ----	2?	
									1805					---- ---- ---- ---- ----		
									1879	0115q				---- ---- ---- x--- ----	0	
									1923	0117		1923	0122	---- ---- x--- ---- ----	2	
									1927					---- ---- ---- ---- ----	2?	
									1928	0214				---- ---- x--- ---- ----	2	
									1930	0213		1930	0213	---- ---- x?-- ---- ----	3	
									? 1932?					x--- ---- ?--- ---- ----		
									1946	1109		1946	1119	x--- ---- xx-- x--- ----	4	
									1954	08		1954	10	---- ---- x--- --x- ----	2	
									1960	0830		1960	0830	x--- ---- x--- ---- ----	3	
									1965	1209		1965	1209	x--- ---- x--- ---- ----	2	
									1976	0923		1976	1002	x--- ---- x--- x--- ----	2	6/-
									1986	09 ?				x--- ---- x--- x--- ----		
									1989	0113		1989	0114	x--- ---- x--- ---- ----	1?	
									2009	0611		2009	0621	x--- ---- xx-- ---- ----	4	-/8
Raikoke (Kuril Is)	48.292 N	153.25 E	551	0033			B	**Stratovolcano**	**0900-25=**	**Historical**						
									1765e					---- ---- x--- ---- ----	2	
									1778					x--- ---- x--- ---- xx--	4↑	
									1924	0215				x--- ---- x--- ---- ----	4	
Chirinkotan (Kuril Is)	48.98 N	153.48 E	724	0001			AD	**Stratovolcano**	**0900-26=**	**Historical**						
									? 1760?					---- ---- ?--- ---- ----	*2*	
		North foot of inner summit cone							1884f					x--- ---- ---- x--- ----	0	
									1900j					x--- ---- x--- ---- ----		
		Floor of summit explosion crater							1955?					x--- ---- x--- x--- ----	2?	
									1979	04		1980	1010	x--- ---- x--- x--- ----	2	
									1986	1011		1986	1012	x--- ---- x-x- ---- ----	1	
									2004	0720		2004	0720	x--- ---- x--- ---- ----	2	
Ekarma (Kuril Is)	48.958 N	153.93 E	1170	0012			A	**Stratovolcano**	**0900-27=**	**Historical**						
		Summit dome							1767			1769	....	x--- ---- x--- --x- ----	2	
									1980	0524				---- ---- x--- ---- ----	1	
Sinarka (Shiashkotan I)	48.875 N	154.175 E	934	0112			A	**Stratovolcano**	**0900-29=**	**Historical**						
									1725q					---- ---- ---- ---- ----	2?	
									1846					---- ---- x--- ---- ----	3	
									1855					---- ---- x--- ---- ----	2	
									1872			1878	....	x--- ---- xx-- x-x- -x--	4	7/-
Kharimkotan (Kuril Is)	49.12 N	154.508 E	1145	1112			ADB	**Stratovolcano**	**0900-30=**	**Historical**						
		Severgin							1713					---- ---- x--- ---- ----	3↑	
		Severgin							1846					---- ---- x--- ---- ----	2	
		Severgin							1848					---- ---- x--- ---- ----	2	
		Severgin							1883					---- ---- x--- ---- ----	3	
		Severgin							1931	09				---- ---- x--- ---- ----	1	
		Severgin							1933	0108		1933	0414>	x--- ---- xx-A x-x- xx-x	5	8/9
Tao-Rusyr Caldera (Onekotan I)	49.35 N	154.70 E	1325	0223			AB	**Stratovolcano**	**0900-31=**	**Historical**						
		Tao-Rusyr							C-5550u					x--- ---- xx-x ---- ----	6	-/10
		Krenitzyn Peak (east flank)							1952	1112		1952	1119	-x-- ---x x--- --x- ----	3	7/-
Nemo Peak (Onekotan I)	49.57 N	154.808 E	1018	2223			ABD	**Caldera**	**0900-32=**	**Historical**						
									T-7550?					x--- ---- x--- x--- ----		
									T-7050?					x--- ---- x--- x--- ----		
									T-5550?					x--- ---- x--- x--- ----		
									T-3050?					x--- ---- x--- x--- ----		
									T-1850?					x--- ---- x--- x--- ----		
									T-0550v					x--- ---- x--- x--- ----		
									T 0750?					x--- ---- x--- x--- ----		
									T 1350?					x--- ---- ---- --x- ----		
		(eruption from Nemo, not Asyrmintar)							1710j					x--- ---- x-x- ---- ----	2	
									1906					x--- ---- x-x- --?- ----	2	
		SE flank							*? 1932?*					-x-- ---- ?--- ---- ----		
		(eruption from Nemo, not Asyrmintar)							1938	0812				---- ---- x--- ---- ----	2	
Asyrmintar (Onekotan I)	49.60 N	154.90 E	570							0900-33=	Not a Volcano					
Shirinki (Kuril Is)	50.20 N	154.98 E	761	0024			A	**Stratovolcano**	**0900-331**	**Holocene**						
Fuss Peak (Paramushir I)	50.27 N	155.25 E	1772	0234			A	**Stratovolcano**	**0900-34=**	**Historical**						
									? 1742					---- ---- ---- ---- ---x		
									1854	0705				---- ---- x--- ---- ----	3	
									? 1933					---- ---- ?--- ---- ----		
Karpinsky Group (Paramushir I)	50.13 N	155.37 E	1345	0334			A	**Cones**	**0900-35=**	**Historical**						
		East side of Karpinsky Ridge							1952	1105				x--- ---- x--- ---- ----	1	
Lomonosov Group (Paramushir I)	50.25 N	155.43 E	1681	0234			U	**Cinder cones**	**0900-351**	**Holocene**						

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	— Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spire / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Chikurachki (Paramushir I)	50.325 N	155.458 E	1816	0234	BA	**Stratovolcanoes**	**0900-36=**	**Historical**							
Tatarinov						T	1690j						-x-- ---- x--- ---- ----	4	
							1853	12	1859	....	x--- ---- x?-- x--- ----	3?	-/7
						?	*1933*	*0415q*	....	....	x--- ---- ?--- ---- ----		
							1957	05	....	....	x--- ---- x--- ---- ----	2	
							1958	0526	1958	0527	x--- ---- x--- ---- ----	2	
							1961	0502	1961	0810	x--- ---- x--- ---- ---x	1	
							1964	0201	1964	02	x--- ---- x--- ---- --x-	2	
							1967	0906	1967	0920	x--- ---- x--- ---- ----	2	
							1973	0810	1973	0928	x--- ---- x--- ---- ----	2	-/6
							1986	1118	1986	1207	x--- ---- xxx- x--- --x-	4*	7/8
SSE part of summit crater							2002	0125	2002	0422?	x--- ---- x--- ---- ----	2	
							2003	0417	2003	0703?	x--- ---- x--- ---- ----	2	
							2005	0312	2005	0407	x--- ---- x--- ---- ----	1	
							2007	0304	2007	0418	x--- ---- x--- ---- ----	2	
							2007	0819	2007	1101g	x--- ---- x--- ---- ----	2	
							2008	0729	2008	0808?	x--- ---- x--- ---- ----	2	
Vernadskii Ridge (Paramushir I)	50.55 N	155.97 E	1183	0134	AB	**Cinder cones**	**0900-37-**	**Holocene**							
Ebeko (Paramushir I)	50.68 N	156.02 E	1156	0344	A	**Somma volcano**	**0900-38=**	**Historical**							
						C	-0390u		....	....	....	....	x--- ---- x--- ---- ----		
						C	1600?		....	....	....	....	---- ---- x--- ---- ----		
						C	1650?		....	....	....	....	---- ---- x--- ---- ----		
						C	1670?		....	....	....	....	---- ---- x--- ---- ----		
							1793		....	....	....	....	---- ---- x--- ---- --x-	2	-/5
							1833	1231y	....	....	....	....	---- ---- x--- ---- ----	2	
							1859	0927	....	....	....	....	---- ---- x--- ---- ----	2	
Sredniy crater							1934	1004	1935	1015q	x-x- ---- x--- ---- ----	2	-/5
North wall of east amphitheater							1963	0308	1964	....	-x-- ---- x-x- ---- ----	1	-/3
Middle Crater							1965	08 ?	1965	08 ?	x--- ---x --x- ---- ----	1	
Northern crater							1967	01	1967	04 ?	x--- ---x x-x- ---- ----	1	-/4
Northern crater							1969	02	1969	02 ?	x--- ---x x-x- ---- ----	1	
Northern crater						?	*1971*		....	....	x--- ---- --?- ---- ----	*1*	
Northern crater							1987	1014	1988	01	x--- ---x x-x- ---- ----	1	-/4
Northern crater and upper east flank							1989	0202	1990	0415e	xx-- ---x x-x- ---- --x-	2	-/6
Northern crater							1991	01	1991	01	x--- ---- x-x- ---- ----	1	
							2005	0129	2005	0216	x--- ---- x--- ---- ----	2*	
							2009	0211	2009	0713?	x--- ---- x--- ---- ----	1	
Alaid (Kuril Is)	50.858 N	155.55 E	2339	0224	BA	**Stratovolcano**	**0900-39=**	**Historical**							
							1790		1793	....	x--- ---- x--- ---- ----	4↑	
							1854	0627	....	....	x--- ---- x--- ---- ----	3	
							1860	0707	1860	0709	x--- ---- x--- ---- ----	3	
							1894	....	....	....	x--- ---- x--- ---- ----	2	
East submarine flank (Taketomi)							1933	1113	1934	08	-x-- xx-- x--- x--- ----	2	
NW foot							1972	0618	1972	0911	-xx- ---- x--- x--- ----	3	7/8
						?	*1973*		....	....	-x-- ---- --?- ---- ----		
							1981	0427	1981	0605	x--- ---- x--- ---- -xx-	4*	-/8
							1981	1125	....	....	x--- ---- x--- ---- ----	2	
							1982	0329	1982	0329	x--- ---- x--- ---- ----	2	
							1986	0525	1986	0528c	x--- ---- x-x- ---- ----	2?	
							1996	1203	....	....	---- ---- x--- ---- ----	2	
						?	*1997*	*0823*	*?1997*	*0823*	---- ---- ?--- ---- ----		

KAMCHATKA

Mashkovtsev (Kamchatka-S)	51.10 N	156.72 E	503	1234	B	**Stratovolcano**	**1000-001**	**Holocene**							
Kambalny (Kamchatka-S)	51.30 N	156.87 E	2156	0234	BA	**Stratovolcano**	**1000-01=**	**Historical**							
						C	1350?		....	....	....	....	---- ---- x-x- ---- ----		
Koshelev (Kamchatka-S)	51.357 N	156.75 E	1812	0134	BAd	**Stratovolcano**	**1000-02=**	**Historical**							
Eastern cone						C	-4550?		....	....	....	....	---- ---- x--- x--- ----		
NW flank (Gorely)						T	-4050?		....	....	....	....	x--- ---- x--- ---- ----		
Northern flank						C	-1350?		....	....	....	....	-x-- ---- x--- x--- ----		
SE flank							1690j		....	....	....	....	-x-- ---- x--- ---- ----	3↑	
						?	*1741*		....	....	....	....	---- ---- ---- ---- ----		
Yavinsky (Kamchatka-S)	51.57 N	156.60 E	705	2344	B	**Stratovolcano**	**1000-021**	**Tephrochronology**							
NW flank (Ukho)						T	-4050?		....	....	....	....	-x-- ---- x--- ---- ----		
Diky Greben (Kamchatka-S)	51.45 N	156.97 E	1070	0234	DAR	**Lava domes**	**1000-022**	**Radiocarbon**							
						T	-5700v		....	....	....	....	x--- ---- x--- x-x- ----		
						T	-3050?		....	....	....	....	x--- ---- x--- ---- ----		
						C	-2250?		....	....	....	....	x--- ---- x--- x--- ----		
						T	0350y		....	....	....	....	x--- ---- x--- x-x- ----		10/-
Kurile Lake (Kamchatka-S)	51.45 N	157.12 E	81	2234	DRa	**Caldera**	**1000-023**	**Radiocarbon**							
						T	-7550z		....	....	....	....	x--- ---- x--- ---- ----		
(tephra layer KO)						G	-6440q		....	....	....	....	x--- ---x xx-x --x- --x-	7	-/11
Ilyinsky (Kamchatka-S)	51.490 N	157.20 E	1578	0034	ADB	**Stratovolcano**	**1000-03=**	**Historical**							
						T	-5700t		....	....	....	....	x--- ---- x--x ---- ----	C	
						C	-4550?		....	....	....	....	x--- ---- x--- x--- ----		
(ZLT tephra)						C	-2850?		....	....	....	....	x--- ---- x--- ---- ----	5	-/9
						C	-2050?		....	....	....	....	x--- ---- x--- ---- ----		
						C	0050?		....	....	....	....	-x-- ---- ---- x-x- ----		
NE flank							1901		....	....	....	....	-x-- ---- x-x- x--- ----	3	
Zheltovsky (Kamchatka-S)	51.57 N	157.323 E	1953	0234	BAdr	**Stratovolcano**	**1000-04=**	**Historical**							
						T	-7050*		....	....	....	....	x--- ---- xx-x ---- ----	5	-/9
						T	-6050?		....	....	....	....	x--- ---- x--- x--- ----		
						C	-3050?		....	....	....	....	---- ---- x--- ---- ----	5	-/9
						?	*1823e*		....	....	....	....	---- ---- ---- ---- ----		
							1923	0211	1923	04	x--- ---- x--- x--- ----	3	
						?	*1972*	*03*	....	....	x--- ---- --?- ---- ----	*1?*	
Kell (Kamchatka-S)	51.65 N	157.35 E	900	0234	B	**Stratovolcanoes**	**1000-041**	**Holocene**							
Belenkaya (Kamchatka-S)	51.75 N	157.27 E	892	0134	B	**Stratovolcano**	**1000-042**	**Holocene**							
Ksudach (Kamchatka-S)	51.80 N	157.53 E	1079	0034	ADB	**Stratovolcano**	**1000-05=**	**Historical**							
Ksudach III caldera (tephra layer KS4)						G	-7900?		....	....	....	....	x--- ---x xx-x ---- ----	5	-/9

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Ksudach (Kamchatka-S) *continued*																	
											G-5600?	....	....	....	x--- ---- x--- ---- ----		
Ksudach IV caldera (tephra layer KS3)											G-5200?	....	....	....	x--- ---x xx-x ---- ----	5?	-/9
Ksudach IV caldera (tephra layer KS2)											G-4900?	....	....	....	x--- ---x xx-x ---- ----	5+	-/9
SW part of caldera IV (Paryashchiy Utes)											T-4750?	....	....	....	x--- ---- x--- --x- ----		8/-
											T-4550?	....	....	....	x--- ---- x--- ---- ----	3	
											T-4100?	....	....	....	x--- ---- x--- ---- ----	3	
(tephra layer KSbt)											T-3000?	....	....	....	x--- ---- xx-- ---- ----	4	-/8
											T-0200?	....	....	....	x--- ---- x--- ---- ----	3	-/7
Ksudach V caldera (tephra layer KS1)											G 0240v	....	....	....	x--- ---x xx-x ---- ----	6	-/10
Stubel											G 0350?	....	....	....	x--- ---- x--- --?- ----	2	-/6
											T 0700?	....	....	....	x--- ---- x--- ---- ----		
Stubel (tephra layer KSht1)											G 1000l	....	....	....	x--- ---- xx-- ---- ----	4+	-/8
Stubel (tephra layer KSht2)											G 1750?	....	....	....	x--- ---- x--- ---- --x-	4	-/8
Stubel (tephra layer KSht3)											1907	0328?	....	....	x--- ---x xx-- ---- ----	5	-/9
Ozernoy (Kamchatka-S)	51.88 N	157.38 E	562	0124		B	**Shield volcano**		1000-051	**Holocene**							
Olkoviy Volc Group (Kamchatka-S)	52.02 N*	157.53 E	681	2224		B	**Volcanic field**		1000-052	**Holocene**							
Khodutka (Kamchatka-S)	52.063 N	157.703 E	2090	0034		ADR	**Stratovolcanoes**		1000-053	**Radiocarbon**							
NW flank of Priemysh volcano											T-1050<	....	....	....	-x-- ---- x--- ---- ----	4+	-/8
WNW flank (Khodutkinsky maar; KHD tephra)											G-0930v	....	....	....	-x-- ---- xx-- x-x- ----	5	7/9
											T-0300y	....	....	....	x--- ---- ---- x--- ----	0	
Piratkovsky (Kamchatka-S)	52.113 N	157.849 E	1322	0135		U	**Stratovolcano**		1000-054	**Holocene**							
Ostanets (Kamchatka-S)	52.146 N	157.322 E	719	0024		B	**Shield volcanoes**		1000-055	**Holocene**							
Otdelniy (Kamchatka-S)	52.220 N*	157.428 E	791	2224		B	**Shield volcanoes**		1000-056	**Holocene**							
Golaya (Kamchatka-S)	52.263 N	157.787 E	858	0025		B	**Stratovolcano**		1000-057	**Holocene**							
Asacha (Kamchatka-S)	52.355 N	157.827 E	1910	0026		BAdr	**Complex volcano**		1000-058	**Holocene**							
Visokiy (Kamchatka-S)	52.43 N	157.93 E	1234	0026		B	**Stratovolcano**		1000-059	**Holocene**							
Mutnovsky (Kamchatka-S)	52.453 N	158.195 E	2322	0026		Bad	**Complex volcano**		1000-06=	**Historical**							
											T-7550?	....	....	....	---- ---- x--- ---- ----	2	-/6
											T-6000?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5900?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5800?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5450?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5350?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5250?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-5050?	....	....	....	---- ---- x--- ---- ----	3	-/7
											T-5000?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-4700?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-4650?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-4550?	....	....	....	---- ---- x--- ---- ----	2	-/6
											T-4050?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-3650?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-2900?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-2150?	....	....	....	---- ---- x-x- ---- ----	3	-/7
											T-2050?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-0450?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-0200?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T-0100?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T 0050?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T 0250?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T 0750?	....	....	....	---- ---- x-xA ---- ----	3	-/7
											T 0950?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											T 1300?	....	....	....	---- ---- x-x- ---- ----	2	-/6
											1650l	....	....	....	x--- ---- x--- ---- ----	2	
											1750l	....	....	....	x--- ---- x--- ---- ----	2	
											1848	....	....	....	x--- ---- x--- ---- ----	3	-/7
											1852	03	....	....	x--- ---- x--- ---- ----	2	
											1853	01	....	....	x--- ---- x--- ---- ----	2	
											1853	1218	1854	03	x--- ---- x--- ---- ----	2	
											1898	04	1898	0715q	x--- ---- x-x- ---- ----	2	-/6
											1904	0402	1904	0626>	x--- ---- x-x- x--- ----	2	
											1916	0715e	....	....	x--- ---- x--- ---- ----	2	
											1916	12	....	....	x--- ---- x--- ---- ----	2	
											1917	0705d	....	....	x--- ---- x--- ---- ----	3?	
											1927	01	1927	02	x--- ---- x-x- ---- ----	2	
											1928	0125	1928	02	x--- ---- x-x- ---- ----	2	
											1929	02	....	....	x--- ---- x-x- ---- ----	2	
											1938	11	....	....	x--- ---- x--- ---- ----	2	
											1939	05	....	....	x--- ---- x--- ---- ----	2	
											1945	0623	....	....	x--- ---- x--- ---- ----	2	
West wall of SW crater											1960	12	1961	01	x--- ---- x--- ---- ----	2	-/6
North crater											2000	0317	2000	0317	x--- ---- x-x- ---- ----	2	
											S 2000	0630	S2000	0630	x--- ---- --x- ---- ----	1?	
Gorely (Kamchatka-S)	52.558 N	158.03 E	1829	0026		BAD	**Caldera**		1000-07=	**Historical**							
											T-7400w	....	....	....	x--- ---- ---- x--- ----	0	
											T-7250?	....	....	....	x--- ---- x--- ---- ----	2	
											T-6050?	....	....	....	x--- ---- ---- x--- ----	0	
											T-5950?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-5650?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-5500?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-5450?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-5300?	....	....	....	x--- ---- x--- ---- ----	2	
											T-5150?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-4950?	....	....	....	x--- ---- x--- ---- ----	2	
											T-4750?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-4700?	....	....	....	x--- ---- x--- ---- ----	2	
											T-4650?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-4600?	....	....	....	x--- ---- x--- ---- ----	2	
											T-4500?	....	....	....	x--- ---- x--- ---- ----	2	
											T-4450?	....	....	....	x--- ---- x--- ---- ----	2	-/6
											T-4350?	....	....	....	x--- ---- x--- x--- ----	3	-/7
											T-4300w	....	....	....	x-x- ---- ---- x--- ----	0	
											T-4150?	....	....	....	x--- ---- x--- ---- ----	2	-/6

Oleg Volynets (Inst. Volc. Petropavlovsk)

Mutnovsky with Asacha in background

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Centrol / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Lava flow / Pyroclastic / Caldera / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Gorely (Kamchatka-S) *continued*																		
												T	-3950?			x--- ---- x--- ---- ----	2	-/6
												T	-3900?			x--- ---- x--- ---- ----	2	
(Gsh1 tephra layer)												C	-3580v			x--- ---- x--- ---- ----	2?	
												T	-3550?			x--- ---- ---- x--- ----	0	
												T	-3450?			-x-- ---- x--- x--- ----	3	-/7
												T	-2750?			-x-- ---- x--- x--- ----	2	-/6
												T	-2450?			-x-- ---- x--- x--- ----	3	-/7
												T	-2250?			---- ---- x--- ---- ----	2	-/6
												T	-2200?			---- ---- x--- ---- ----	2	
												T	-2050?			---- ---- x--- ---- ----	2	-/6
												T	-2000?			---- ---- x--- ---- ----	2	-/6
												T	-0700*			--x- ---- ---- x--- ----	0	8/-
												T	-0350?			---- ---- x--- x--- ----	3	-/7
												T	0050?			---- ---- x--- ---- ----	3	-/7
												T	0200?			---- ---- x--- ---- ----	3	-/7
												T	0250?			---- ---- x--- ---- ----	3	-/7
												T	0550?			---- ---- x--- ---- ----	3	-/7
												T	1030q			---- ---- x--- ---- ----	3	-/7
												T	1330q			---- ---- x-x- ---- ----	2?	
												T	1750t			x-x- ---- x-x- xx-- ----	2?	
												?	*1821*			---- ---- ---- ---- ----		
													1828	06		x--- ---- x--- ---- ----	3	-/7
													1832	02		x--- ---- x--- ---- ----	3	-/7
												?	*1855*	*04*		x--- ---- ?--- ---- ----	*2?*	
													1869			x--- ---- x--- ---- ----	2	
													1929	0901	1930	04 x--- ---- x--- ---- ----	3	-/7
													1930	09	1931	0117 x--- ---- x--- ---- ----	3	-/7
													1931	05	1931	0715q x--- ---- x--- ---- ----	2	
												?	*1932*			---- ---- ---- ---- ----		
													1947	12		x--- ---- x--- ---- ----	2	
													1961	01		x--- ---- x--- ---- ----	2	
													1980	0615e	1981	0703 x--- ---- xxx- ---- ----	3*	-/7
													1984	0804	1986	0921? x--- ---x x-x- ---- ----	2	
Opala (Kamchatka-S)	52.543N	157.335E	2475	2225				BAdr	**Caldera**	1000-08=	**Historical**							
												T	-3500?			---- ---- x--- ---- ----		
												C	-1550?			---- ---- ---- x--- --x-		
SE flank (Barany Amphitheater)												G	0610t			-x-- ---- xx-- --x- ----	5+	8/9
													1776	1023		x--- ---- x--- ---- ----	2?	
												?	*1827*			x--- ---- ?--- ---- ----		
(uncertain S flank eruption report)												?	*1854*			-x-- ---- ?--- ---- ----		
(S flank eruption report unlikely)												X	*1894*			-x-- ---- ---- ---- ----		
Unnamed (Kamchatka-S)	52.57	N* 157.02	E 610	2235				B	**Cinder cone**	1000-081	**Holocene**							
Tolmachev Dol (Kamchatka-S)	52.63	N* 157.58	E 1021	1126				BR	**Cinder cones**	1000-082	**Radiocarbon**							
Chasha crater (OPtr tephra layer)												C	-2650?			x--- ---- x--- ---- ----	4+	-/8
NW part of Tolmachev Dol												T	0300w			x--- ---- x--- x--- ----		
Vilyuchik (Kamchatka-S)	52.70	N 158.28	E 2173	0156				AB	**Stratovolcano**	1000-083	**Tephrochronology**							
												T	-8050?			x--- ---- x--- x--- ----	2?	
Barkhatnaya Sopka (Kam.-S)	52.823N	158.27	E 870	0356				BADR	**Lava domes**	1000-084	**Tephrochronology**							
												T	-3550>			x--- ---- x--- ---- ----		
Unnamed (Kamchatka-S)	52.92	N 158.52	E 450	2566				BDR	**Shield volcanoes**	1000-085	**Holocene**							
Unnamed (Kamchatka-S)	52.88	N 158.30	E 700	2566				B	**Shield volcanoes**	1000-086	**Holocene**							
Bolshe-Bannaya (Kamchatka-S)	52.90	N 157.78	E 1200	0246				BARD	**Lava domes**	1000-087	**Holocene**							
Koryaksky (Kamchatka-E)	53.320N	158.688E	3456	0266				AB	**Stratovolcano**	1000-09=	**Historical**							
												T	-5050?			---- ---- ---- ---- ----		
South and SW flanks												C	-1950y			--x- ---- ---- x--- --x-		
South and SW flanks												C	-1550?			--x- ---- ---- x--- --x-		
Upper SW flank													1890c			--x- ---- --x- ---- ----	1?	
(steam plumes only in 1895-96)												X	*1895*	*1015q*	X *1896*	--x- ---- ---- ---- ----		
													1926	1222	1926	1222 x--- ---- x-x- ---- ----	1?	
Summit and upper NW flank (3000 m)													1956	12	1957	06 x-x- ---- xx-- ---- --x-	3*	
Upper NW flank (3000 m)													2008	1223?	2009	0827 --x- ---- x-x- ---- ----	2*	
Avachinsky (Kamchatka-E)	53.255N	158.830E	2741	0066				ABd	**Stratovolcano**	1000-10=	**Historical**							
(tephra layer IAv1)												T	-6100?			---- ---- xx-- ---- ----		
(tephra layer IAv2)												G	-5980v			---- ---- x--- ---- ----	5+	-/9
(tephra layer IAv3)												T	-5700?			---- ---- x--- ---- ----		
(tephra layer IAv4)												T	-5600?			---- ---- x--- ---- ----		
(tephra layer IAv5)												T	-5500?			---- ---- x--- ---- ----		
(tephra layer IAv6)												T	-5450?			---- ---- x--- ---- ----		
(tephra layer IAv7)												G	-4550x			---- ---- xx-- ---- ----	4	-/8
(tephra layer IAv10; AV5)												G	-4460v			---- ---- x--- ---- ----	4	-/8
(tephra layer IAv11)												T	-4400?			---- ---- x--- ---- ----		
(tephra layer IAv12; AV4)												G	-4340u			---- ---- xx-- ---- --?-	5	-/9
(tephra layer IAv13)												T	-4250?			---- ---- x--- ---- ----		
(tephra layer IAv14)												T	-4200?			---- ---- x--- ---- ----		
(tephra layer IAv15)												T	-4050?			---- ---- x--- ---- ----		
(tephra layer IAv16)												G	-3790v			---- ---- xx-- ---- ----	4	-/8
(tephra layer IAv17)												T	-3700?			---- ---- x--- ---- ----		
(tephra layer IAv18)												T	-3500?			---- ---- x--- ---- ----		
(tephra layer IAv19)												T	-3400?			---- ---- x--- ---- ----		
(tephra layer IAv20; AV3)												G	-3200w			---- ---- xx-- ---- ----	5	-/9
(tephra layer IAv21)												T	-2950?			---- ---- x--- ---- ----		
(tephra layer IAv22)												T	-2900?			---- ---- x--- ---- ----		
(tephra layer IAv23)												T	-2650?			---- ---- x--- ---- ----		
(tephra layer IAv24; AV2)												G	-2530y			---- ---- xx-- ---- ----	4	-/8
(tephra layer IAv25)												T	-2500?			---- ---- x--- ---- ----		
(tephra layer IAv26)												T	-2300?			---- ---- x--- ---- ----		
(tephra layer IAv27)												T	-2100?			---- ---- x--- ---- ----		
												T	-1700?			---- ---- x--- ---- ----		
(tephra layer AV1)												G	-1500?			x--- ---- xx-- ---- --x-	5	-/9
(tephra layer IIAV3)												C	-1350?			---- ---- x--- ---- ----	5	-/9
												T	0100?			---- ---- x--- ---- ----		
												T	0400?			---- ---- x--- ---- ----		

Oleg Volynets (Inst. Volc. Petropavlovsk)

1985 eruption

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Avachinsky (Kamchatka-E) *continued*							T 0700?	....	....	....	---- ---- x--- ---- ----		
							T 0900?	....	....	....	---- ---- x--- ---- ----		
							T 1100?	....	....	....	---- ---- x--- ---- ----		
							T 1200?	....	....	....	---- ---- x--- ---- ----		
							C 1400?	....	....	....	x--- ---- x--- ---- ----		
							C 1550?	....	....	....	x--- ---- x--- ---- ----		
							1737	08	1737	08	x-x- ---- x--- ?--- ---x	3	-/7
							1772	....	....	....	---- ---- x--- ---- ----	2	
							1779	0615	1779	0616	x--- ---- x--- ---- ----	3	-/7
							? *1789*	....	....	....	---- ---- ---- ---- ----		
							1827	0627	1827	0629	x--- ---- xx-- ---- --x-	4	-/8
							1828	0417	....	....	---- ---- x--- ---- ----	2	
							? *1837*	....	....	....	---- ---- ---- ---- ----		
							1851	1126	1852	0214d	x--- ---- x--- ---- ----	2	
							1853	1221	?*1854*	*0314*	x--- ---- x--- ---- ----	2	
							1854	0813	....	....	x--- ---- x--- ---- ----	2	
							1855	0528	1855	0904d	x--- ---- x--- ---- ----	2	
							1878	....	....	....	x--- ---- x--- ---- ----	2	
							1881	....	....	....	x--- ---- x--- ---- ----	2	
							1894	10	1895	02	x--- ---- x--- x--- ----	2	7/6
							1901	0707	1901	0713	x--- ---- xx-- ---- ----	2	-/6
							1909	08	....	....	x--- ---- xx-- ---- ----	2	-/6
							? *1910*	....	....	....	---- ---- ---- ---- ----		
							1926	0327	1927	0314?	x--- ---- xx-- x--- --x-	4*	6/8
							1938	0306	1938	1201>	x--- ---- xx-- ---- --x-	3	-/7
							1945	0225	1945	0225	x--- ---- x--- ---- --x-	4	-/8
							1991	0113	1991	0130	x--- ---- x--- x-x- --x-	2	7/5
							2001	1005	2001	1005	x--- ---- x--- ---- --x-	1	
Dzenzursky (Kamchatka-E)	53.637N	158.922E	2285	0036	AD	**Compound volc**	1000-11=		**Holocene**				
		(fumarolic activity only)					X *1923*	*02*	....	....	---- ---- ---- ---- ----		
		(fumarolic activity only)					X *1957*	*0128*	X*1957*	*0311*	---- ---- ---- ---- ----		
Zhupanovsky (Kamchatka-E)	53.590N	159.147E	2958	0036	ABD	**Compound volc**	1000-12=		**Historical**				
							T-5050?	....	....	....	---- ---- x--- ---- ----		
							T-3050?	....	....	....	---- ---- x--- ---- ----		
							C-0220t	....	....	....	---- ---- xx-- ---- ----		
							T-0050?	....	....	....	---- ---- x--- ---- ----		
							T 1000z	....	....	....	---- ---- x--- ---- ----		
							1776	10	....	....	x--- ---- x--- ---- ----	2	
							1882	....	....	....	x--- ---- x--- ---- ----	2	
							1925	....	....	....	x--- ---- x--- ---- ----	2	
							1929	....	....	....	x--- ---- x--- ---- ----	2	
							1940	01	1940	02	x--- ---- x--- ---- ----	2	
		Middle crater, east crater					1956	1227	1957	06	x--- ---- x--- ---- ----	2	
							1959	....	....	....	x--- ---- x--- ---- ----	2	
Veer (Kamchatka-E)	53.75 N	158.45 E	520	0126	BA	**Cinder cones**	1000-121		**Tephrochronology**				
							T 0390u	....	....	....	x--- ---- x--- x--- ----	2?	
		(Korenevski Ridge eruption ca. 1600 BP)					X *1856*	....	....	....	---- ---- ---- ---- ----		
Kostakan (Kamchatka-E)	53.83 N	158.05 E	1150	2246	BA	**Cinder cones**	1000-122		**Holocene**				
		Domashnii					T-8050*	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Ochkovy					T-6550z	....	....	....	x--- ---- x--- x--- ----	3	6/7
		Maar S of Lake Kostakan, Krasny cone					T 0800t	....	....	....	x--- ---- x--- x--- ----	3	7/7
		Serpovidny					T 1000t	....	....	....	x--- ---- x--- x--- ----	3	7/7
		Glavny					T 1200t	....	....	....	x--- ---- x--- x--- ----	2	7/6
		Glavny					T 1350?	....	....	....	x--- ---- x--- ---- ----	1?	
Bakening (Kamchatka-E)	53.905N	158.07 E	2278	0245	ADBR	**Stratovolcano**	1000-123		**Tephrochronology**				
		NE flank (Novo-Bakening)					T-7550z	....	....	....	-x-- ---- x--- x-x- ----	2?	9/-
		West of Bakening					T-6550z	....	....	....	-x-- ---- x--- ---- ----	3	-/7
							T-6300y	....	....	....	x--- ---- xx-A ---- ----		
		SE flank					T-1550?	....	....	....	-x-- ---- ---- x--- ----		
		Western flank					T-0550	....	....	....	-x-- ---- x--- ---- ----	2	-/6
Zavaritsky (Kamchatka-E)	53.905N	158.385E	1567	0026	B	**Cinder cones**	1000-124		**Radiocarbon**				
		Mt. Peschanaya and adjacent cones					C-0850?	....	....	....	xx-- ---- x--- x--- ----	4+	7/8
		14 km WNW of Zavaritsky					T-0800z	....	....	....	x--- ---- x--- ---- ----	2	-/6
Akademia Nauk (Kamchatka-E)	53.98 N	159.45 E	1180	1135	ADbr	**Stratovolcanoes**	1000-125		**Historical**				
		N margin of caldera lake (Karymsky maar)					G-5500z	....	....	....	---x ---x xx-- ---- ----	3?	
		North of Karymsky Lake (Lagerny cone)					G-3850?	....	....	....	---x ---- x--- --x- ----		
		North of Karymsky Lake (tephra layer SC)					G-0950?	....	....	....	---x ---- x--- ---- ----		
		North margin of Karymsky Lake					1996	0102	1996	0103	x--x ---x xx-- ---- --xx	3	-/7
Karymsky (Kamchatka-E)	54.05 N	159.45 E	1536	0035	AD	**Stratovolcano**	1000-13=		**Historical**				
		Karymsky caldera (tephra layer KRM)					G-6600?	....	....	....	x--- ---- xx-x x--- ----	6	-/10
		(birth of Karymsky stratovolcano)					G-4150?	....	....	....	x--- ---- x--- ---- ----		
							G-3450?	....	....	....	x--- ---- x--- x--- ----		8/-
		(tephra layer PM1)					G-3200?	....	....	....	x--- ---- x--- x--- ----	4	8/8
		(tephra layer PM2)					G-2350?	....	....	....	x--- ---- x--- x--- ----	3	7/7
		(tephra layer PM3)					G-2250?	....	....	....	x--- ---- x--- x--- ----	4	7/9
							G-2050?	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer PM4)					G-1400?	....	....	....	x--- ---- x--- x--- ----	2?	7/6
							G-1100?	....	....	....	x--- ---- x--- x--- ----		7/-
		(tephra layer SC)					G-0850?	....	....	....	x--- ---- xx-- ---- ----	3	7/7
							G 0950?	....	....	....	x--- ---- x--- ---- ----		
							G 1050?	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer PM6)					G 1150?	....	....	....	x--- ---- x--- ---- ----	2	-/6
							G 1450?	....	....	....	x--- ---- x--- ---- ----		
		(tephra layer PM7)					G 1550?	....	....	....	x--- ---- x--- x--- ----		8/-
		(tephra layer PM9)					G 1730q	....	....	....	x--- ---- x--- x--- ----		8/-
							1771	....	....	....	x--- ---- x--- ---- ----	2	
							1830	....	....	....	x--- ---- x--- ---- ----	2	
							1852	....	....	....	x--- ---- x--- ---- ----	2	
							1854	09	....	....	x--- ---- x--- ---- ----	2	
							1908	....	....	....	x--- ---- x--- ?--- ----	2	
							1911	....	....	....	x--- ---- x--- ---- ----	2	
							1912	01	....	....	x--- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	M-Dy	— Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Karymsky (Kamchatka-E) *continued*								1915	....	....	....	x--- ---- x--- ---- ----	2	
								1921	09	....	....	x--- ---- x--- ---- ----	2	
								1923	02	....	....	x--- ---- x--- ---- ----	2	
								1925	07	....	....	x--- ---- x--- ---- ----	2	
								1929	....	....	....	x--- ---- x--- ---- ----	2	
								1932	06	....	....	x--- ---- x--- ---- ----	2	
								1933	09	1933	10	x--- ---- x--- ---- ----	2	
		(tephra layer PM11?)						1934	11	1935	02	x--- ---- x--- x--- ----	2	8/-
								1938	10	....	....	---- ---- --x- ---- ----	2	
								1940	....	....	....	x--- ---- x--- ---- ----	2	
								1943	0201p	....	....	x--- ---- x--- ---- ----	2	
								1945	09	....	....	x--- ---- x--- x--- ----	2	
								1946	04	....	....	x--- ---- x--- ---- ----	2	
								1946	09	1946	10	x--- ---- x--- ---- ----	2	
								1947	04	....	....	x--- ---- x--- ---- ----	2	
								1952	11	....	....	x--- ---- x--- ---- ----	2	
								1953	....	....	....	x--- ---- x--- ---- ----	2	
								1955	....	....	....	x--- ---- x--- ---- ----	2	
								1956	03	1957	02	x--- ---- x--- ---- ----	1	
								1960	04	1964	12	x--- ---- x--- x--- ----	3*	6/7
								1965	0515e	1967	02	x--- ---- x--- x--- ----	3	
								1967	11	1967	11	x--- ---- x--- ---- ----	1	
								1970	0511	1982	1011	x--- ---- xx-- x-x- --x-	3	7/7
		(fumarolic activity only in 1985)					X	*1985*	*0503?*	....	....	---- ---- ---- ---- ----		
		New summit crater SW of 1970-82 crater						1996	0102	2000	1220?	x--- ---- xx-- x--- ----	3*	7/-
		Summit and upper south flank						2001	1115	2010>	....	x--- ---- xx-- x-x- ----	3*	
Maly Semiachik (Kamchatka-E)	54.13	N 159.67 E 1560	2235	BAd		Caldera		1000-14=		Historical				
		Meso-Semiachik						C-7550?	....	....	....	x--- ---- x--- x--- ----		
		Meso-Semiachik east flank (Vostochny)						C-6950?	....	....	....	-x-- ---- ---- x--- ----		
		Ceno-Semiachik						G-6150?	....	....	....	x--- ---- x--- x--- ----		
		Ceno-Semiachik						G-5850?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik						G-5750?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik						G-5450?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik						G-5050?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik						G-4650?	....	....	....	x--- ---- x--- x--- ----		
		Ceno-Semiachik flank (Yushny cone)						G-4500t	....	....	....	-x-- ---- ---- x--- ----		
		Ceno-Semiachik flank (Obmanuvshy)						G-3500t	....	....	....	-x-- ---- ---- x--- ----		
		Ceno-Semiachik (Crater IV)						G-2450?	....	....	....	x--- ---- xx-- ---- ----		
		Ceno-Semiachik						G-2250?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik (SW flank)						G-1800t	....	....	....	--x- ---- x--- x--- ----		
		Ceno-Semiachik						G-0850?	....	....	....	x--- ---- x--- xx-- ----		
		Ceno-Semiachik						G-0650?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik						G-0550?	....	....	....	x--- ---- x--- ---- ----		
		Ceno-Semiachik (Crater V)						G 1400t	....	....	....	x--- ---- x--- xx-- ----		
		Ceno-Semiachik (Crater VI--Troitsky)						G 1550?	....	....	....	x--- ---- x--- ---- ----	4	-/8
		Ceno-Semiachik (Troitsky Crater)						1804	....	....	....	x--- ---- x-x- ---- ----	3	
		Ceno-Semiachik (Troitsky Crater)						1851	09	....	....	x--- ---- --x- ---- ----	2	
		Ceno-Semiachik (Troitsky Crater)						1852	0415q	1852	07	x--- ---- --x- ---- ----	2	
		Ceno-Semiachik (Toitsky Crater)						1945	09 ?	1946	0415q	x--- ---- ?-x- ---- ----	2	
		Ceno-Semiachik (Toitsky Crater)						1952	1205d	....	....	x--- ---- --x- ---- ----	2	
Bolshoi Semiachik (Kamchatka-E)	54.32	N 160.02 E 1720	0034	BADR		Stratovolcanoes		1000-15=		Radiocarbon				
		Ivanov lava dome						C-6800y	....	....	....	x--- ---- ---- --x- ----		
		Korona and Yezh lava domes						G-4450?	....	....	....	x--- ---- ---- --x- ----		
Taunshits (Kamchatka-E)	54.53	N 159.80 E 2353	0035	A		Stratovolcano		1000-16-		Radiocarbon				
								C-5800t	....	....	....	x--- ---- xx-A --x- ----		
								C-0550?	....	....	....	x--- ---- xx-- x-x- ----		
Uzon (Kamchatka-E)	54.50	N 159.97 E 1617	0034	ABDR		Calderas		1000-17=		Radiocarbon				
								T-5750?	....	....	....	x--- ---- x-x- ---- ----		
		N part of caldera (Lake Dal'ny maar)						C-5700t	....	....	....	x--- ---- x--- ---- ----		
		Bannoe Lake						T-1550?	....	....	....	x--- ---- x-x- ---- ----		
		Khloridnoe Lake						T 0200y	....	....	....	x--- ---- x-x- ---- ----		
Kikhpinych (Kamchatka-E)	54.487	N 160.253 E 1552	0234	BA		Stratovolcanoes		1000-18=		Radiocarbon				
		Zapadny						G-2850?	....	....	....	x--- ---- x--- x--- ----	3	-/7
		Zapadny						G-2780q	....	....	....	x--- ---- x--- x--- ----	4	8/8
		East side of Zapadny, Savich cone						G 0550?	....	....	....	xx-- ---? x--- x--- --x-	3	7/7
		Savich cone						C 0650?	....	....	....	x--- ---- x--- ---- ----		
		Savich cone						T 0830q	....	....	....	x--- ---- x--- x--- ----		
		Savich cone						C 0900t	....	....	....	x--- ---- x--- ---- ----	3?	-/8
		Savich cone and north flank						C 1350?	....	....	....	xx-- ---- x--- x--- ----	4	8/8
		East flank of Savich (Krab cone)						T 1550?	....	....	....	-x-- ---- ---- x--- ----		7/-
Krasheninnikov (Kamchatka-E)	54.593	N 160.273 E 1856	3334	BAD		Caldera		1000-19=		Radiocarbon				
		Southern cone & S outer flank fissure						C-8050?	....	....	....	x-x- ---- x--- x--- ----		
		Southern cone & S outer flank fissure						C-7250?	....	....	....	x-x- ---- x-x- x--- ----		
		Southern cone summit, outer SW flank						C-6550?	....	....	....	x-x- ---- x--- x--- ----		
		Southern cone summit and flank						C-6350?	....	....	....	x-x- ---- x--- x--- ----		
		Northern outer flank fissure						C-6250?	....	....	....	--x- ---- x--- x--- ----		
		Southern cone summit and flank						C-6000t	....	....	....	x-x- ---- x--- x--- ----	4	9/8
		Southern cone summit and west flank						C-5800t	....	....	....	x-x- ---- x--- x--- ----	4	7/8
		Southern cone						C-5450?	....	....	....	x--- ---- x--- ---- ----		
		Northern outer flank fissure						G-5250?	....	....	....	--x- ---- x--- x--- ----		
		Southern cone						C-5050?	....	....	....	x--- ---- x--- ---- ----		
		Southern cone						C-4850?	....	....	....	x--- ---- x--- ---- ----		
		Northern cone						G-4450?	....	....	....	x--- ---- x--- ---- ----		
		Northern cone & N outer flank fissure						G-3550?	....	....	....	x-x- ---- x-x- x--- ----		
		Northern cone						G-3250?	....	....	....	x--- ---- x--- ---- ----		
		Northern cone & N outer flank fissure						G-2950?	....	....	....	x-x- ---- x-x- x--- ----		
		Northern cone						G-2250?	....	....	....	x--- ---- x--- ---- ----		
		Northern cone						G-1650?	....	....	....	x--- ---- x--- ---- ----		
		N (Zametny) & S (Duga) flank fissures						G-1350?	....	....	....	--x- ---- x--- x--- ----	3	8/7
		Northern cone						G-1150?	....	....	....	x--- ---- x--- x--- ----		
		Northern cone						G-1050?	....	....	....	x--- ---- x--- x--- ----		
		Northern cone						G-1000t	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Northern cone and southern cone flank						G-0850?	....	....	....	x-x- ---- x--- x--- ----		7/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Krasheninnikov (Kamchatka-E) *continued*		Northern cone and southern cone flank						G-0650?	....	....	....	....	x-x- ---- x--- x--- ----		
		Northern cone						G-0350?	....	....	....	....	x--- ---- x--- ---- ----		
		Northern cone						G-0250?	....	....	....	....	x--- ---- x--- ---- ----		
		Northern cone						G-0150?	....	....	....	....	x--- ---- x--x ---- ----	C	
		NW flank and central northern cone						T 0650?	....	....	....	....	x-x- ---- x--- x-x- ----	2	-/6
		Central N cone, SE flank of S cone						G 0750?	....	....	....	....	x-x- ---- x--- x--- ----	3	-/7
		Northern cone						G 0850?	....	....	....	....	x--- ---- x--- ---- ----		
		SW flank of southern cone						T 1350?	....	....	....	....	--x- ---- ---- x--- ----	0	7/-
		Northern cone (Pauk) & SW of S cone						T 1550?	....	....	....	....	x-x- ---- x--- x--- ----		7/-
Kronotsky (Kamchatka-E)	54.753N	160.527E	3528	0244		BA		**Stratovolcano**	**1000-20=**		**Historical**				
								T-0050?	....	....	....	....	---- ---- x--- ---- ----		
		South flank (3150 m)						1922	11	....	....	....	-x-- ---- --x- ---- ----	2	
		Summit and/or south flank (3150 m)						1923	02	....	....	....	??-- ---- ?-x- ---- ----	2	
Schmidt (Kamchatka-E)	54.92 N	160.63 E	2020	0034		BA		**Shield volcano**	**1000-201**		**Holocene**				
Gamchen (Kamchatka-E)	54.973N	160.702E	2576	0034		BA		**Complex volcano**	**1000-21=**		**Tephrochronology**				
		SE flank (Barany)						T-1650?	....	....	....	....	-x-- ---- x--- ---- ----		
		SE flank (Barany, Lukovitsa)						T-0550?	....	....	....	....	-x-- ---- x--- --x- ----		
Komarov (Kamchatka-E)	55.032N	160.720E	2070	0034		BA		**Stratovolcano**	**1000-22=**		**Radiocarbon**				
								C 0450?	....	....	....	....	x--- ---- ---- x--- ----	0	
								C 0950>	....	....	....	....	---- ---- ---- ---- ----		
Vysoky (Kamchatka-E)	55.07 N	160.77 E	2161	0034		ABD		**Stratovolcano**	**1000-221**		**Radiocarbon**				
								C-0550?	....	....	....	....	x--- ---- ---- x--- ----	0	
Kizimen (Kamchatka-E)	55.130N	160.32 E	2376	0234		ABd		**Stratovolcano**	**1000-23=**		**Historical**				
								T-8050?	....	....	....	....	x--- ---- xx-- x-x- ----	5	-/9
		(tephra layer KZII)						C-6400t	....	....	....	....	x--- ---- xx-- --x- ----	5	-/9
								T-5800t	....	....	....	....	x--- ---- x--- --x- ----		8/-
								T-4450?	....	....	....	....	x--- ---- x--- --x- ----	4	-/8
								T-4050?	....	....	....	....	x--- ---- x--- --x- ----	2	-/6
								T-1010?	....	....	....	....	x--- ---- x--- x-x- ----		
								C 0350u	....	....	....	....	x--- ---- x--- x-x- ----		
								T 0700t	....	....	....	....	x--- ---- xx-- --x- ----		
								T 0850?	....	....	....	....	x--- ---- xx-- x-x- ----	3	7/7
									1927	12	1928	01	x--- ---- x-x- ---- ----	2	
Unnamed (Kamchatka-E)	55.92 N*	161.75 E		2224		U		**Cinder cones**	**1000-232**		Holocene?				
Tolbachik (Kamchatka-C)	55.830N	160.330E	3682	0035		BA		**Shield volcano**	**1000-24=**		**Historical**				
								G-7600	....	....	....	....	---- ---- x--- ---- ----		
		SW flank (Lesnaya)						C-6050?	....	....	....	....	x-x- ---- x--- x--- ----		
		SW flank (Bubochka)						T-5650?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank						T-5600?	....	....	....	....	--x- ---- x--- x--- ----		
		SW flank and NE flank						T-5450?	....	....	....	....	--x- ---- x--- x--- ----		
		Plosky and Ostry Tolbachik calderas						T-4550?	....	....	....	....	x--- ---- ?--M x--- ----		
		SW flank (Kruglenky)						T-2050?	....	....	....	....	-xx- ---- x--- x--- ----	3	8/7
		SW flank (Mokhnataya)						T-1750?	....	....	....	....	-xx- ---- x--- x--- ----	3	
		SW flank (Istochniky)						T-1650?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Serga, Starichky)						T-0800?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Tsepochka, Malishi)						T-0750?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Buraya)						T-0700?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Kust)						T-0200?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Sosed, Malenky)						T-0100?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Mt. 1004, Pra-Visokaya)						T 0050?	....	....	....	....	-xx- ---- x--- x--- ----	4+	8/8
		SW flank (Zapretny)						T 0150?	....	....	....	....	x-x- ---- x--- x--- ----		
		SW flank (Poteryanny, Yupiter)						T 0250?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Zasipannie)						T 0350?	....	....	....	....	-xx- ---- x--- x--- ----		
		SW flank (Pelmen, Lagerny)						T 0400?	....	....	....	....	-xx- ---- x--- x--- ----	4+	8/8
		SW flank (Dvoinoy, Nedostupny, Dalny)						T 0450?	....	....	....	....	-xx- ---- x--- x--- ----	3	9/7
		SW flank (Kamenistaya)						T 0550?	....	....	....	....	-xx- ---- x--- x--- ----	3	9/7
		SW flank (Peschanie Gorky)						T 0900?	....	....	....	....	-xx- ---- x--- x--- ----	4	9/9
		SW flank (Alaid)						T 0950?	....	....	....	....	-xx- ---- x--- x--- ----	4+	8/8
		SW flank (Kleshnya, Rastaschenny)						T 1000?	....	....	....	....	-xx- ---- x--- x--- ----	4+	9/8
		SW flank (Visokaya, Treschina)						T 1050?	....	....	....	....	-xx- ---- x--- x--- ----	3	9/7
		SW flank (Zvezda)						T 1550?	....	....	....	....	-xx- ---- x--- x--- ----	2	8/6
								? *1699a*	....	....	....	....	x--- ---- ?--- ---- ----	*2?*	
									1739	0201p	....	....	x--- ---- x--- ---- ----	2?	
									1740	12	....	....	x--- ---- x--- x--- ----	2	
									1769	0215q	1769	1015q	x--- ---- x--- ---- ----	2	
									1788	....	....	....	x--- ---- x--- ---- ----	2	
									1789	....	....	....	x--- ---- x--- ---- ----	2	
									1790	....	....	....	x--- ---- x--- ---- ----	2	
									1793	....	....	....	x--- ---- x--- ---- ----	2	
									1904	....	....	....	x--- ---- x--- x--- ----	2	
									1931	0304	1932	....	x--- ---- x--- ---- ----	2	
									1936	0813<	1937	0302	x--- ---- x--- ---- ----	2*	
									1939	0925	1939	0927	x--- ---- x--- ---- ----	2	
									1940	02	1940	04	x--- ---- x--- ---- ----	2	
		Summit, SW flank (1950 m)							1940	11	1941	0715q	xx-- ---- x--- x--- ----	3*	7/7
									1947	01	....	....	--x- ---- x--- ---- ----	2?	
									1954	0221	1954	0613	x--- ---- x--- ---- ----	2	
									1955	0107	1955	0209	---- ---- x-?- ---- ----	2	
									1955	1006	1955	1208	---- ---- x-?- ---- ----	2	
									1956	0928	1957	1128	x--- ---- x--- ---- ----	2	
									1958	0713<	....	....	x--- ---- x--- ---- ----	2?	
									1959	....	1960	....	x--- ---- x--- ---- ----	2	
									1961	0324	1962	0216>	x--- ---- x--- ---- ----	2	
									1962	08	1963	....	x--- ---- x--- ---- ----	1	
									1964	03	1964	0424>	x--- ---- x--- -x-- ----	2	
									1965	....	....	....	x--- ---- x--- ---- ----	1	
									1966	0415q	....	....	x--- ---- x--- ---- ----	2	
									1967	03	1967	05	x--- ---- x--- ---- ----	2	
									1967	10	1967	11	x--- ---- x--- ---- ----	2	
									1968	....	1969	....	x--- ---- --x- ---- ----	1	
									1970	01	1970	04	x--- ---- x--- ---- ----	1	
									1970	09	1970	1201p	x--- ---- x--- x--- ----	2*	

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VOLCANO NAME (Subregion)	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
ERUPTION — Area of Activity							Start: Year M-Dy	Stop: Year M-Dy	Caldera Flank vent Radial fiss Regional / Submarine New island Subglacial Crater lake / Explosive Pyro fly Pyro flow Phreatic Caldera / Lava flow Lava lake Dome Spine / Fatal Damage Mudflow Tsunami		
Tolbachik (Kamchatka-C) *continued*							*? 1973 10*	*?1974 12*	x--- ---- x-x- ---- ----	*1?*	
South flank (18 & 28 km from summit)							1975 0628	1976 1210	xx-x ---- x--M x--- ----	4+	9/8
Udina (Kamchatka-C)	55.755N	160.527E	2923	0125	AB	**Stratovolcanoes**	**1000-241**	**Holocene**			
Zimina (Kamchatka-C)	55.862N	160.603E	3081	0025	AD	**Stratovolcanoes**	**1000-242**	**Holocene**			
Bezymianny (Kamchatka-C)	55.978N	160.587E	2882	0025	AD	**Stratovolcano**	**1000-25=**	**Historical**			
Pra-Bezymianny							T -7050*	....	x--- ---- x--- ---- ----		
Pra-Bezymianny							T -5050?	....	x--- ---- x--- ---- ----		
							T -2750z	....	x--- ---- x--- x-x- ----		
Expeditsii and Exstrusivny Greben							T -1550z	....	-x-- ---- ---- --x- ----		
							T -1350?	....	x--- ---- x--- x-x- ----		
(tephra layer BZ)							G-0450?	....	---- ---- x--- ---- ----	4	-/8
							T 0050?	....	---- ---- x--- ---- ----		
							T 0150?	....	---- ---- x--- x--- ----		
							T 0250?	....	---- ---- x--- x--- ----		8/-
							T 0600?	....	---- ---- x--- ---- ----		
East summit region (Razrushenny dome)							T 0700t	....	x?-- ---- xx-- --x- ----	4?	-/8
							T 0850?	....	---- ---- x--- x--- ----		
Summit region and western flank							T 0950?	....	xx-- ---- xx-- x--- ----	4?	-/8
							1955 1022	1957 0301	x--- ---- xx-A --x- --xx	5*	-/9
							1957 0731	1957 0731	x--- ---- x--- ---- ----	2	
							1958 01	1958 0214	x--- ---- x--- --x- ----	1	
							1958 0521	....	x--- ---- x--- --x- ----	1	
							1958 1228	1959 0330	x--- ---- x--- --x- ----	2*	
							1959 1015	1959 1104?	x--- ---- x--- --x- ----	1	-/4
							1960 0413	1960 0414	x--- ---- xx-- --x- ----	2	-/6
							1961 0325	1961 0326	x--- ---- xx-- --x- --x-	3	-/6
							1961 0521	1961 0606	x--- ---- xx-- ---- ----	2	
							1961 1018	1961 1215	x--- ---- x--- --x- ----	3	
							1962 1021	1962 1106	x--- ---- x--- --x- ----	2	
							1963 05	1963 09 ?	x--- ---- -x-- --x- ----	1	
							1964 0625	1964 0920	x--- ---- -x-- --x- ----	2	6/-
							1964 1225	1964 1226	x--- ---- -x-- --x- ----	1	
							1965 0309	1970 03	x--- ---- xx-- x-xx --x-	3*	7/7
							1971 03	1974 12 >	x--- ---- xx-- --xx ----	3*	
							1976 0325	....	x--- ---- xx-- x-x- --x-	2	
							1977 0325	....	x--- ---- xx-- x-x- --x-	3	5/7
							1978 0908p	....	x--- ---- x--- ---- --x-	2	
							1979 0211	....	x--- ---- xx-- x--- ----	3	5/7
							1979 0918	....	x--- ---- xx-- x--- ----	2	5/6
							1980 0418	1980 0419	x--- ---- xx-- x-x- --x-	3	5/7
							1980 0821	1980 0827d	x--- ---- xx-- x--- ----	2	5/-
							1981 0612	1983 0522	x--- ---- xxx- x-xx --x-	3*	6/7
							1984 0205	1984 12	x--- ---- xx-- x-x- ----	3*	-/7
							1985 0612	1985 1214	x--- ---- xx-- x-x- -x--	3*	-/7
							1986 0326e	1986 0629	x--- ---- xx-- x-x- ----	2*	6/5
							1986 1205d	1988 0726e	x--- ---- xx-- x-x- ----	3*	
							1989 0801	1989 0804	x--- ---- xx-- x-x- ----	2	
							1990 0129	1991 1129	x--- ---- xx-- x-x- ----	3*	
							1992 0312	1992 0612	x--- ---- x--- x-x- ----	2	
							1993 1021	1994 0204d	x--- ---- xx-- x-x- --x-	3	-/7
							1994 0707	1994 1005d	x--- ---- x--- x-x- ----	2*	
							1995 09 <	1995 1008?	x--- ---- x--- x-?- ----	3?	
							1996 0723?	1996 0901	x--- ---- ---- x-x- ----	0	
							1997 0508	1997 0516?	x--- ---- xx-- x-x- --x-	3*	-/7
							1997 1205	1997 1206	x--- ---- x--- ---- ----	3	
							1998 0620?	1998 0622?	x--- ---- ---- --x- ----	0	
							1999 0225	1999 0225	x--- ---- x--- ---- ----	2	
							2000 0314	2000 0326a	x--- ---- x--- ---- ----	2	
							2000 0718	2000 1104>	x--- ---- x--- --x- ----	2*	
							2001 0723?	2001 0810?	x--- ---- x--- x-x- ----	3*	
							2001 1210	2002 0106?	x--- ---- x--- --x- ----	2	
							2002 1225	2002 1228?	x--- ---- x--- x-x- ----	2	
							2003 0726	2003 0801?	x--- ---- x--- ---- ----	3	
							2004 0114	2005 02 ?	x--- ---- xx-- x-x- ----	3*	
							2005 1129?	2005 1201>	x--- ---- x--- ?--- ----	2*	
							2006 04 <	2006 1229?	x--- ---- xx-- x-x- ----	3*	
							2007 0510?	2007 1224?	x--- ---- xx-- x--- --x-	3?	
							2008 0711	2008 0823?	x--- ---- x--- x-x- ----	3?	
							2009 1217	2010 0101>	x--- ---- x--- ?--- ----	3?	
Kamen (Kamchatka-C)	56.02 N	160.593E	4585	0025	BA	**Stratovolcano**	**1000-251**	**Holocene**			
Kliuchevskoi (Kamchatka-C)	56.057N	160.638E	4835	0035	BA	**Stratovolcano**	**1000-26=**	**Historical**			
							C -3950?	....	x--- ---- x--- ---- ----		
							T -1050?	....	-x-- ---- x--- ---- ----		
							C 0550?	....	-x-- ---- x--- ---- ----		
							1697	1698	x--- ---- x--- ---- ----	3^	
							1720	1721	x--- ---- x--- ---- ----	2	
							1727	1731	x--- ---- x--- x--- ----	2	
							1737 0925?	1737 1104?	x--- ---- x--- x--- ----	2	
							1740	....	---- ---- ---- ---- ----		
							1762	....	x--- ---- x--- ---- x---	2	
							1767	....	x--- ---- x--- ---- ----	2	
							1770 05	....	x--- ---- x--- ---- ----	2	
							1772	....	x--- ---- x--- ---- ----	2	
							1785 11	....	x--- ---- x--- ---- ----	2	
							1787 09	....	---- ---- ?--- ---- ----	2?	
							1788 02	....	x--- ---- x--- ---- ----	2	
							1788 08	....	x--- ---- x--- ---- ----	2	
							1789 1201	1790 02	x--- ---- x--- ---- ----	2	
							1791 04	....	x--- ---- x--- ---- ----	2	
							1791 08	....	x--- ---- x--- ---- ----	2	
							1807 0201p	....	x--- ---- x--- ---- ----	2	
							1812 09	....	x--- ---- x--- ---- ----	2	
							1813 02	....	x--- ---- x--- ---- ----	2	

Yuri Doubik (Inst. Volc. Petropaviovsk)

Novy lava dome in 1956 collapse scarp

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Kliuchevskoi (Kamchatka-C) *continued*									1819	....	?*1822*	....		x--- ---- x--- x--- ----	2*	
									1829	0909	....	....		x-x- ---- x--- x--- ----	4?	7/8
									1840	....	....	....		x--- ---- x--- ---- ----	2	
									1848	....	....	....		x--- ---- x--- ---- ----	2	
									1852	02	1852	03		x--- ---- x--- ---- ----	2	
									1852	08	....	....		x--- ---- x--- ---- ----	2	
									1853	10	1854	0217		x--- ---- x--- ---- ----	2	
									1865	09	....	....		x--- ---- x--- ---- ----	2	
									1877	....	....	....		x--- ---- x--- ---- ----	2	
									1878	09	....	....		x--- ---- x--- ---- ----	2	
									1879	....	....	....		x--- ---- x--- ---- ----	2	
									1882	09	....	....		x--- ---- x--- ---- ----	2	
									1883	07	1883	08		x--- ---- x--- ---- ----	2	
									1890	04	....	....		x--- ---- x--- ---- ----	2	
									1896	12	1897	11		x--- ---- x--- x--- ----	2	
									1898	0220	....	....		x--- ---- x--- x--- ----	2	
									1904	0131p	1904	0614>		x--- ---- x--- x--- ----	2	
		Summit and east flank							1907	08	....	....		xx-- ---- x--- x--- ----	2	
									1909	06	....	....		x--- ---- x--- ---- ----	2	
									1910	08	....	....		x--- ---- x--- ---- ----	2	
									1911	11	....	....		x--- ---- x--- ---- ----	2	
									1913	01	....	....		-x-- ---- x--- ---- ----	2	
									1915	01	....	....		-x-- ---- x--- ---- ----	2	
									1922	05	....	....		x--- ---- x--- ---- ----	2	
									1923	08	1923	09		x--- ---- x--- ---- ----	2	
									1925	0404	1925	1010		x--- ---- x--- ---- ----	2	
									1926	0323	1926	0407		x--- ---- x--- ---- ----	2	
									1929	06	1929	09		x--- ---- x--- ---- ----	2	
									1931	0325	1931	0327		x--- ---- x--- ---- ----	4	
									1931	08	1931	09		x--- ---- x--- ---- ----	2	
		NE flank (Kirgurich, Tuyla, Biokos)							1932	0125	1932	1226e		-x-- ---- x--- x--- ----	2	7/6
									1935	0421	1936	1104>		x--- ---- x--- ---- ----	3*	
		Summit, east flank (Bilyukai)							1937	0403	1939	03		xxx- ---- x--- x--- ----	3*	8/7
									1944	1209	1945	0120>		x-x- ---- x--- x--- ----	3?	-/7
		SE flank (Yubileinoye, 1000-1450 m)							1945	0619	1945	0707		--x- ---- x--- x--- ----	3	7/7
		SE flank (Apakhonchich, ca. 1600 m)							1946	1023	1946	1122?		-xx- ---- x-x- x--- ----	2	7/5
									1948	08	....	....		---- ---- x--- ---- ----	2?	
									1949	05	....	....		x--- ---- x--- ---- ----	2	
		Summit, NE flank (Bylinkina, 950 m)							1951	1119	1951	1130		xxx- ---- x--- x--- ----	2	7/6
		Summit, NE flank (Belyankin Crater)							1953	0607	1953	0625		xxx- ---- x--- x--- ----	2	7/6
									1954	0528	1954	09		x-x- ---- x--- ---- ----	2	
		Summit and SE flank (1500 m)							1956	01	1956	0802		xxx- ---- x--- x--- ----	2"	6/-
									1957	....	....	....		x--- ---- x--- ---- ----	1	
		East part of summit crater							1958	0518	1958	0818>		x--- ---- x--- ---- ----	1	
									1959	0103	....	....		x--- ---- x--- ---- ----	1	
									1960	12	1963	0322>		x--- ---- x--- ---- ----	3"	-/6
									1963	1113	1964	12 ?		x--- ---- x--- ---- ----	1	
		Summit, NE flank (Piip Crater)							1965	08	1966	1226		x-x- ---- x--- x--- ----	3"	8/7
									1967	....	....	....		x--- ---- x--- ---- ----	1	
									1968	0703	1968	0703		x--- ---- x?-- ---- ----	3	
									1969	09	1969	12		x--- ---- x--- ---- ----	2	
									1970	0526	1970	1227		x--- ---- x--- ---- ----	2	
									1971	06	1971	07		x--- ---- x--- ---- ----	1	
									1971	11	1973	12		x--- ---- x-x- ---- ----	1	
		Summit and SW flank (3400-3600 m)							1974	0408	1974	12 ?		x-x- ---- x--- x--- ----	3"	7/6
		Summit, NE flank (1700 m)							1977	0802	1980	0312		x-x- ---- x--- x--- x---	3"	5/7
									1981	0125	1981	0804?		x--- ---- x--- ---- ----	1	
									? *1981*	*1221*	....	....		---- ---- ---- ---- ----		
									1982	0324	1982	0502		x--- ---- x-?- ---- ----	1	
		Summit and east flank (2875 m)							1982	1007	1983	0627		x-x- --x- x-x- x--- x-x-	2*	7/-
									1984	0310	1985	0128		x--- ---- x-x- x--- --x-	3*	
		Summit and NW flank (3100 m)							1985	0816	1986	0121		x-x- ---- x-x- x--- --x-	3?	
									1986	0608	1986	0711		x--- ---- x--- x--- --x-	2	
		Summit, SE, SW, NE and east flanks							1986	1127	1990	09		x-x- ---- xx-- x--- --x-	4"	7/8
									1991	0408	1991	0624?		x--- ---- x--- ---- ----	2	
									1992	0125	1992	0525?		x--- ---- x--- ---- ----	2	
									1992	0912	1993	0912a		x--- ---- x-x- x--- -xx-	2*	
									1994	0908	1995	0114>		x-x- ---- xxx- x--- -xx-	3*	7/7
									1996	1114	1997	0320k		x--- ---- x--- ---- ----	2*	
									1997	0907	1997	0926		x--- ---- x--- ---- ----	1	
									1998	0723	1998	0902?		x--- ---- x-x- ---- ----	2*	
									1999	0205	1999	0712		x--- ---- x--- ---- ----	2	
									2000	0203	2000	0208?		x--- ---- x--- ---- ----	2	
									2000	0728	2000	0922		x--- ---- x--- ---- ----	2	
									2002	0409	2002	0609<		x--- ---- x--- ---- ----	2	
									2002	1124	2004	0408		x--- ---- x--- ?--- --x-	2*	
									2004	0915	2004	0915		x--- ---- x--- ---- ----	1	
									2005	0120<	2005	0407		x--- ---- x--- x--- --x-	2*	
									2007	0215	2007	0715		x--- ---- x--- x--- --x-	2*	
									2008	1008	2009	0416?		x--- ---- x--- x--- ----	1	
									2009	0801?	2010	0101>		x--- ---- x--- x--- ----	1	
Ushkovsky (Kamchatka-C)	56.070N	160.470E	3943	0035		BA		**Compound volc**	**1000-261**		**Historical**					
								C-7550?	....		....			---- ---- x--- ---- ----		
		Lavovy Shish cone group & summit caldera						C-6670w	....		....			xx-- ---- x--M ---- ----		
								1890	04		....			x--- ---- x--- ---- ----	2?	
Shiveluch (Kamchatka-C)	56.653N	161.360E	3283	0045		AB		**Stratovolcano**	**1000-27=**		**Historical**					
								T-8500?	....		....			x--- ---- x--- --x- ----	3	-/7
								T-8450?	....		....			x--- ---- x--- --x- ----	3	-/7
								T-8350?	....		....			x--- ---- xx-- ---- ----	4	-/8
								T-8200?	....		....			x--- ---- x--- ---- ----	4	-/8
								T-8100?	....		....			x--- ---- xx-- ---- ----	4	-/8
								T-7950?	....		....			x--- ---- x--- ---- ----	4	-/8
								T-7850?	....		....			x--- ---- x--- --x- ----	3	-/7

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Center / Flank vent / Radial fiss / Regional; Submarine / New island / Subglacial / Crater lake; Explosive / Pyro flow / Phreatic / Caldera; Lava flow / Lava lake / Dome / Spine; Fatal / Damage / Modifies / Tsunami	VEI	Vol L/T
Shiveluch (Kamchatka-C) *continued*						T-7750?					x--- ---- x--- --x- ----	3	
						T-7700?					x--- ---- xx-- ---- ----	4	-/8
						T-7630?					x--- ---- x--- ---- ----	4	-/8
						T-7600?					x--- ---- xx-- ---- ----	4	-/8
						T-7550?					x--- ---- x--- --x- ----	3	-/7
						T-7500?					x--- ---- xx-- ---- ----	4+	-/8
						G-7400w					x--- ---- xx-- ---- ----	5	-/9
						T-7300?					x--- ---- xx-- ---- ----	5	-/9
						T-7150?					x--- ---- xx-- ---- ----	5	-/9
						T-7000?					x--- ---- x--- --x- ----	3	-/7
						T-6800?					x--- ---- xx-- ---- ----	5?	-/9
						T-6600?					x--- ---- xx-- ---- ----	4	-/8
						T-6500?					x--- ---- x--- --x- ----	3	-/7
						G-6400w					x--- ---- x--- ---- ----	4	-/8
						T-6380?					x--- ---- x--- ---- ----	4	-/8
						T-6350?					x--- ---- x--- ---- ----	4	-/8
						T-6200?					x--- ---- x--- --x- ----	3	-/7
						T-6100?					x--- ---- x--- --x- ----	3	-/7
						T-6000?					x--- ---- x--- --x- ----	3	-/7
						T-5500?					x--- ---- xx-- ---- ----	5	-/9
						T-5400?					x--- ---- x--- --x- ----	3	-/7
	(SH6 tephra is from Khangar volcano)					*X-5050*?					---- ---- ---- ---- ----		
						T-4900?					x--- ---- x--- --x- ----	3	-/7
						G-4530?					x--- ---- xx-A ---- ----	3	-/7
						G-4400?					x--- ---- xx-- ---- ----	5	-/9
						G-4350?					x--- ---- xx-- ---- ----	3	-/7
						T-4250?					x--- ---- x--- --x- ----	3	-/7
						G-3650?					x--- ---- x--- ---- ----	5	-/9
						G-3500?					x--- ---- x--- ---- ----	5	-/9
						T-3200?					x--- ---- xx-- ---- ----	4+	-/8
						T-3050?					x--- ---- x--- --x- ----	3	-/7
						T-2900?					x--- ---- x--- --x- ----	3	-/7
						T-2750?					x--- ---- x--- --x- ----	3	-/7
	(tephra layer SHdv)					G-2620y					x--- ---- x--- ---- ----	5	-/9
						T-2530?					x--- ---- x--- --x- ----	3	-/7
						G-2490?					x--- ---- xx-- ---- ----	3	-/7
						T-2200?					x--- ---- xx-- ---- ----	4+	-/8
						T-2150?					x--- ---- x--- --x- ----	3	-/7
						G-2100?					x--- ---- x--- ---- ----	5	-/9
	(tephra layer SHsp)					G-2000?					x--- ---- xx-A ---- ----	5	-/9
						T-1700?					x--- ---- xx-- ---- ----	4	-/8
						T-1650?					x--- ---- x--- --x- ----	3	-/7
						T-1500?					x--- ---- x--- --x- ----	3	-/7
						G-1330x					x--- ---- xx-- ---- ----	3	-/7
						T-1010?					x--- ---- x--- --x- ----	3	-/7
						G-0950?					x--- ---- x--- ---- ----	5	-/9
						T-0900?					x--- ---- x--- --x- ----	3	-/7
	(tephra layer SH5)					G-0780y					x--- ---- xx-A ---- ----	4+	-/8
						T-0650?					x--- ---- x--- --x- ----	3	-/7
						G-0500?					x--- ---- x--- ---- ----	4	-/8
	West flank (Karan)					T-0400?					-x-- ---- x--- --x- ----	3	-/7
	West flank (Karan)					G-0300?					-x-- ---- xx-- --x- ----	4	-/8
	West flank (Karan)					T-0150?					-x-- ---- x--- --x- ----	3	-/7
	(SH4 tephra is from Ksudach volcano)					*X-0050*?					---- ---- ---- ---- ----		
						T-0010?					x--- ---- x--- --x- ----	3	-/7
						T 0100?					x--- ---- x--- ---- ----	4	-/8
						G 0120?					x--- ---- xx-- ---- ----	3	-/7
						G 0170p					x--- ---- xx-- ---- ----	3	-/7
						T 0230?					x--- ---- x--- ---- ----	3	-/7
						T 0250?					x--- ---- xx-- --x- ----	4	-/8
						G 0380?					x--- ---- xx-- ---- ----	3	-/7
						G 0500?					x--- ---- xx-A ---- ----	4+	-/8
						T 0530?					x--- ---- x--- ---- ----	3	-/7
						T 0580?					x--- ---- x--- ---- ----	4+	-/8
						G 0600?					x--- ---- x--- ---- ----	5	-/9
	Western flank (Karan)					T 0630?					-x-- ---- x--- --x- ----	3	-/7
	(tephra layer SH3)					G 0650s					x--- ---- xx-- ---- ----	5	-/9
						T 0700?					x--- ---- x--- --x- ----	3	-/7
						T 0750?					x--- ---- x--- --x- ----	3	-/7
						G 0970?					x--- ---- xx-A ---- ----	4	-/8
						T 1000?					x--- ---- x--- --x- ----	3	-/8
	(tephra layer SH2)					G 1030v					x--- ---- xx-- ---- ----	5	-/9
						T 1150?					x--- ---- x--- --x- ----	3	-/7
	(tephra layer SH2a)					G 1430?					x--- ---- xx-A ---- ----	4	-/8
						T 1550?					x--- ---- x--- --x- ----	3	-/7
	(tephra layer SH1)					G 1650j					x--- ---- xx-- ---- ----	5	-/9
						T 1700?					x--- ---- x--- --x- ----	3	-/7
						1739					x--- ---- x--- --x- ----	3	-/7
						? *1800*j					x--- ---- x--- --x- ----	*3*	-/7
						1854	0218				x--- ---- xx-- --x- -xx-	5	-/9
						1879		1883			x--- ---- xx-- --x- ----	3	
						1897		1898			x--- ---- x--- --x- ----	2	
						1905					---- ---- ---- ---- ----		
						1928	0127	1929	0415q		x--- ---- ---- --x- ----	1	
						1930	0201p				---- ---- x--- ---- ----	1	
	Suelich					1944	1105	1950	0406		x--- ---- xx-- --xx ----	2	8/-
	Molodoy Sheveluch summit domes					1964	1112	1964	1112		x--- ---- xx-A ---- --x-	4+	-/8
	Center of 1964 crater					1980	0823	1981	1201p		x--- ---- xx-- --xx --x-	1	7/-
						1984	0317	1984	0906		x--- ---- x-x- ---- --x-	2?	
						1985	0526	1985	1025		x--- ---- x-x- ---- ----	2	
						1986	0328	1988	0228		x--- ---- xxx- ---- --x-	3*	
						1988	1207	1988	1207		x--- ---- xxx- ---- ----	2?	
						1989	0407	1989	0626		x--- ---- x-x- ---- --x-	2	
						1990	0110	1995	02		x--- ---- xxx- --xx -xx-	3*	8/6

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Flank fissure / Radial fissure / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Shiveluch (Kamchatka-C) *continued*											1997	0308	1997	0404	x--- ---- x--- --x- ----	2	
											1998	0530	1998	0903	x--- ---- xx-- ---- ----	3*	
											1999	0403	1999	0412	x--- ---- x--- ---- ----	2	
											1999	0815	2010>	....	x--- ---- xx-- x-x- -xx-	4?	8/-
KAMCHATKA - E of & W																	
Piip (Kamchatka-E of)	55.42 N	157.33 E	-300	0003			DA	Submarine volc	1000-271	Tephrochronology							
									T-5050?		....	....	....	....	---- x--- x--- ---- ----		
Khangar (Kamchatka-W)	54.75 N	157.38 E	2000	0025			DARB	Stratovolcano	1000-272	Radiocarbon							
									G-9500y		....	....	....	....	---- ---- xx-- ---- ----	P	
									G-8250v		....	....	....	....	---- ---- x--- ---- ----		
									G-7100v		....	....	....	....	---- ---- x--- ---- ----		
									G-6400u		....	....	....	....	---- ---- x--- ---- ----		
		(KHG tephra)							G-5700n		....	....	....	....	x--- ---- xx-- --x- ----	6	-/10
									G-5500q		....	....	....	....	---- ---- xx-- ---- ----		
									G-2700q		....	....	....	....	---- ---- x--- ---- ----		
									G-0350r		....	....	....	....	---- ---- x--- ---- ----		
									G 1000n		....	....	....	....	---- ---- x--- ---- ----		
									G 1500s		....	....	....	....	---- ---- x--- ---- ----		
Cherpuk Group (Kamchatka-W)	55.55 N	157.47 E	1868	0024			A	Pyroclastic cones	1000-273	Radiocarbon							
		North and South Cherpuk							C-4550?		....	....	....	....	x--- ---- x--- x--- ----		9/-
Ichinsky (Kamchatka-W)	55.68 N	157.73 E	3621	0024			BAdr	Stratovolcano	1000-28=	Historical							
									T-6950?		....	....	....	....	---- ---- x--- ---- ----		
									G-6150t		....	....	....	....	---- ---- xx-- ---- ----		
									T-5850?		....	....	....	....	---- ---- x--- ---- ----		
									T-5650?		....	....	....	....	---- ---- x--- ---- ----		
		SW flank							T-5400?		....	....	....	....	-x-- ---- xx-- x-x- ----	5	9/9
									G-2850y		....	....	....	....	---- ---- xx-- ---- ----		
									G-1950y		....	....	....	....	---- ---- xx-- ---- ----		
									T-1200?		....	....	....	....	---- ---- x--- ---- ----		
									T-0600?		....	....	....	....	---- ---- xx-- ---- ----		
									G 0050y		....	....	....	....	---- ---- xx-- ---- ----		
									T 0550?		....	....	....	....	---- ---- x--- ---- ----		
									G 0800y		....	....	....	....	---- ---- x--- ---- ----		
									G 1300x		....	....	....	....	---- ---- xx-- ---- ----		
		SSW flank							1740		....	....	....	....	-x-- ---- ---- x--- ----	0?	
Maly Payalpan (Kamchatka-W)	55.82 N	157.98 E	1802	0224			AB	Shield volcanoes	1000-29-	Holocene?							
Bolshoi Payalpan (Kamchatka-W)	55.88 N	157.78 E	1906	0024			AB	Shield volcanoes	1000-30-	Holocene?							
Plosky (Kamchatka-W)	55.20 N	158.47 E	1236	0234			BA	Shield volcano	1000-31-	Holocene?							
Akhtang (Kamchatka-W)	55.43 N	158.65 E	1956	0024			BA	Shield volcano	1000-32-	Holocene?							
Kozyrevsky (Kamchatka-W)	55.58 N	158.38 E	2016	0024			BA	Shield volcano	1000-33-	Holocene?							
Romanovka (Kamchatka-W)	55.65 N	158.80 E	1442	0124			BA	Stratovolcano	1000-34-	Holocene?							
Uksichan (Kamchatka-W)	56.08 N	158.38 E	1692	0124			BAd	Shield volcano	1000-35-	Holocene?							
Bolshoi-Kekuknaysky (Kam.-W)	56.47 N	157.80 E	1401	0034			BAD	Shield volcanoes	1000-36-	Radiocarbon							
		N flank of Kekuknaysky (Kekuk Crater)							C-5310v		....	....	....	....	-x-- ---- x--- x--- ----	3	7/7
Kulkev (Kamchatka-W)	56.37 N	158.37 E	915	1234			BA	Shield volcano	1000-37-	Holocene?							
Geodesistoy (Kamchatka-W)	56.33 N	158.67 E	1170	0134			BA	Shield volcano	1000-38-	Holocene?							
Anaun (Kamchatka-W)	56.32 N	158.83 E	1828	1124			BA	Stratovolcano	1000-39-	Holocene?							
Krainy (Kamchatka-W)	56.37 N	159.03 E	1554	0024			BA	Shield volcano	1000-40-	Holocene?							
Kekurny (Kamchatka-W)	56.40 N	158.85 E	1377	0124			BA	Shield volcanoes	1000-41-	Holocene?							
Eggella (Kamchatka-W)	56.57 N	158.52 E	1046	0234			BA	Shield volcano	1000-42-	Holocene?							
Unnamed (Kamchatka-W)	56.82 N	158.95 E	1185	0134			BA	Shield volcano	1000-43-	Holocene?							
Verkhovoy (Kamchatka-W)	56.52 N	159.53 E	1400	0025			BA	Shield volcano	1000-44-	Holocene?							
Alney-Chashakondzha (Kam.-W)	56.70 N	159.65 E	2598	0015			BArd	Stratovolcano	1000-45-	Radiocarbon							
		E of Chashakondzha (Levaya Belaya)							C-0660u		....	....	....	....	-x-- ---- x--- x--- ----	3	8/7
		East flank of Alney (Kireunsky)							C-0650u		....	....	....	....	-x-- ---- x--- x--- ----	3	8/7
		Alney volcano							C 1600?		....	....	....	....	x--- ---- x--- ---- ----		
Cherny (Kamchatka-W)	56.82 N	159.67 E	1778	0025			BA	Stratovolcano	1000-46-	Holocene?							
Pogranychny (Kamchatka-W)	56.85 N	159.80 E	1427	0014			BA	Shield volcanoes	1000-47-	Holocene?							
Zaozerny (Kamchatka-W)	56.88 N	159.95 E	1349	0025			BA	Shield volcanoes	1000-48-	Holocene?							
Bliznets (Kamchatka-W)	56.97 N	159.78 E	1244	0034			BA	Stratovolcano	1000-49-	Holocene?							
Kebeney (Kamchatka-W)	57.10 N	159.93 E	1527	0034			BA	Shield volcano	1000-50-	Holocene?							
Fedotych (Kamchatka-W)	57.13 N	160.40 E	965	0224			B	Shield volcano	1000-51-	Holocene?							
Shisheika (Kamchatka-W)	57.15 N	161.08 E	379	0134			AD	Lava dome	1000-511	Radiocarbon							
									C-2240?		....	....	....	....	x--- ---- ---- x-x- ----		8/-
Terpuk (Kamchatka-W)	57.20 N	159.83 E	765	0124			B	Shield volcano	1000-512	Radiocarbon							
									C-0800y		....	....	....	....	---- ---- x--- x--- ----		
Sedankinsky (Kamchatka-W)	57.27 N	160.08 E	1241	0024			BA	Shield volcano	1000-52-	Radiocarbon							
									C-7050*		....	....	....	....	---- ---- x--- x--- ----		
Leutongey (Kamchatka-W)	57.30 N	159.83 E	1333	0024			B	Shield volcano	1000-53-	Holocene?							
Tuzovsky (Kamchatka-W)	57.32 N	159.97 E	1533	0034			BA	Shield volcanoes	1000-54-	Holocene?							
Gorny Institute (Kamchatka-W)	57.33 N	160.20 E	2125	0024			ADB	Stratovolcano	1000-55-	Radiocarbon							
		South flank (Sedanka lava flow)							C-4250?		....	....	....	....	-x-- ---- ---- x--- ----	0	
									C 1000?		....	....	....	....	x--- ---- xx-- ---- ----		
									C 1250?		....	....	....	....	x--- ---- x--- ---- ----		
Kinenin (Kamchatka-W)	57.35 N	160.97 E	583	0024			BA	Maar	1000-551	Radiocarbon							
									C 0850t		....	....	....	....	x--- ---- xx-- ---- ----	4	-/8
Bliznetsy (Kamchatka-W)	57.35 N	161.37 E	265	0134			A	Lava cone	1000-552	Radiocarbon							
									C-1060s		....	....	....	....	x--- ---- x--- x--- ----	1?	8/-
Titila (Kamchatka-W)	57.40 N	160.10 E	1559	0024			B	Shield volcanoes	1000-56-	Radiocarbon							
									C-0550?		....	....	....	....	x--- ---- ---- x--- ----		
Mezhdusopochny (Kamchatka-W)	57.47 N	160.25 E	1641	0024			B	Shield volcano	1000-57-	Holocene?							
Shishel (Kamchatka-W)	57.45 N	160.37 E	2525	0024			B	Shield volcano	1000-58-	Holocene?							
Elovsky (Kamchatka-W)	57.55 N	160.53 E	1381	0024			B	Shield volcanoes	1000-59-	Tephrochronology							
		NE side (Ozernovsky lava flow)							T-7550z		....	....	....	....	-x-- ---- x--- x--- ----	4	9/8

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5km 10km 100km	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year M-Dy	STATUS — Stop — Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Alngey (Kamchatka-W)	57.70 N 160.40 E	1853	0034	BA	**Stratovolcano**	1000-60-	Holocene?					
Uka (Kamchatka-W)	57.70 N 160.58 E	1643	0024	B	**Shield volcano**	1000-61-	Holocene?					
Kaileney (Kamchatka-W)	57.80 N 160.67 E	1582	0024	B	**Shield volcano**	1000-62-	Holocene?					
Plosky (Kamchatka-W)	57.83 N 160.25 E	1255	0134	B	**Shield volcano**	1000-63-	Holocene?					
Bely (Kamchatka-W)	57.88 N 160.53 E	2080	0024	B	**Shield volcanoes**	1000-64-	Holocene?					
Nylgimelkin (Kamchatka-W)	57.97 N 160.65 E	1764	0024	B	**Shield volcanoes**	1000-65-	**Radiocarbon**					
					C-3550?	....	....					
Snezhniy (Kamchatka-W)	58.02 N 160.80 E	2169	0024	B	**Shield volcano**	1000-66-	Holocene?					
Iktunup (Kamchatka-W)	58.08 N 160.77 E	2300	0024	BA	**Shield volcanoes**	1000-67-	Holocene?					
Spokoiny (Kamchatka-W)	58.13 N 160.82 E	2171	0024	DR	**Stratovolcano**	1000-671	**Radiocarbon**					
					C-3450?	....	....	x--- ----	?--- ---- ----			
Ostry (Kamchatka-W)	58.18 N 160.82 E	2552	0014	BA	**Stratovolcano**	1000-68-	**Holocene**					
	SW flank cinder cone				C-2050?	....	....	-x-- ----	x--- x--- ----			
Snegovoy (Kamchatka-W)	58.20 N 160.97 E	2169	0014	BA	**Shield volcano**	1000-69-	Holocene?					
Severny (Kamchatka-W)	58.28 N 160.87 E	1936	0014	BA	**Shield volcano**	1000-70-	**Radiocarbon**					
	WSW flank (Tobeltsen)				C-1550?	....	....	-x-- ----	x--- x--- ----			
Iettunup (Kamchatka-W)	58.40 N 161.08 E	1340	0014	BA	**Shield volcanoes**	1000-71-	Holocene?					
Voyampolsky (Kamchatka-W)	58.37 N 160.62 E	1225	0024	BA	**Shield volcanoes**	1000-72-	Holocene?					

MAINLAND ASIA

Sikhote-Alin (Russia-SE)	47.00 N* 137.50 E		5556	BA	**Volcanic field**	1002-01-	**Holocene**					
Udokan Plateau (Russia-SE)	56.28 N* 117.77 E	2180	2224	XBTFY	**Pyroclastic cones**	1002-03-	**Radiocarbon**					
	Sini				C-7290v	....		---x ----	x--- x--- ----			
	Khangura				C-6210v	....		---x ----	x--- x--- ----			
	Dolinnyi				C-5990v	....		---x ----	---- x--- ----			
	Aku				C-2670v	....		---x ----	---- x--- ----			
	Chepe				C-0220t	....		---x ----	x--- ---- ----			
Vitim Plateau (Russia-SE)	53.70 N* 113.30 E	1250	3335	BXa	**Cinder cones**	1002-04-	**Holocene**					
Tunkin Depression (Russia-SE)	51.50 N* 102.50 E	1200	3345	XB	**Volcanic field**	1002-05-	Holocene?					
Oka Plateau (Russia-SE)	52.70 N* 98.98 E	2077	0014	B	**Cinder cones**	1002-06-	**Holocene**					
Azas Plateau (Russia-SE)	52.52 N* 98.60 E	2765	3334	XZb	**Volcanic field**	1002-07-	**Holocene**					
Taryatu-Chulutu (Mongolia)	48.17 N* 99.70 E	2400	4445	XZBYA	**Volcanic field**	1003-01-	**Radiocarbon**					
	Khorog				C-2980w	....		x--- ----	x--- x--- ----			
Khanuy Gol (Mongolia)	48.67 N* 102.75 E	1886	4445	YX	**Volcanic field**	1003-02-	**Holocene**					
Bus-Obo (Mongolia)	47.12 N 109.08 E	1162	3445	B	**Cinder cone**	1003-03-	Holocene?					
Dariganga Volc Field (Mongolia)	45.33 N* 114.00 E	1778	5555	BXF	**Cinder cones**	1003-04-	**Holocene**					
Middle Gobi (Mongolia)	45.28 N* 106.70 E	1120	4445	B	**Cinder cones**	1003-05-	Holocene?					
Turfan (China-W)	42.90 N 89.25 E		4566	U	**Cone**	1004-01-	**Historical**					
					1120w	....		x--- ----	x--- ---- ----			
Tianshan Volc Group (China-W)	42.50 N* 82.50 E		4446	U	**Volcanic field**	1004-02-	**Historical**					
	Pechan				0050t	....		---- ----	?--- ---- ----			
	Pechan				0650t	....		---- ----	?--- ---- ----			
Kunlun Volc Group (China-W)	35.52 N* 80.20 E	5808	4445	S	**Pyroclastic cones**	1004-03-	**Historical**					
					? 1850t	....		---- ----	---- ---- ----			
	Ashi Shan				1951	0527	....	x--- ----	x--- ---- ----		2	
Unnamed (China-W)	35.85 N* 91.70 E	5400	0024	PFDYA	**Volcanic field**	1004-04-	Uncertain					
	(plume probably of meteorol. origin)				*X 1973 0716?*	....		---- ----	---- ---- ----			
Honggeertu (China-E)	41.47 N* 113.00 E	1700	5567	B	**Cinder cones**	1005-01-	Holocene?					
Arshan (China-E)	47.50 N* 120.70 E		4446	B	**Cinder cones**	1005-011	**Radiocarbon**					
					C 0000w	....		x--- ----	x--- ---- ----			
Keluo Group (China-E)	49.37 N* 125.92 E	670	5556	XF	**Pyroclastic cones**	1005-02-	**Holocene**					
Wudalianchi (China-E)	48.72 N* 126.12 E	597	5567	X	**Volcanic field**	1005-03-	**Historical**					
	Laoheishan and Huoshaoshan				1720	0114	1721 06	x-x- ----	x-x- x--- ----		3	9/8
	Laoheishan				1776	....	....	x--- ----	x--- x--- ----		2?	
Jingbo (China-E)	44.08 N* 128.83 E	1000	5567	XZBf	**Volcanic field**	1005-04-	**Radiocarbon**					
					C-3550?	....		x--- ----	xx-- x--- ----			
					C-1540w	....		x--- ----	x--- x--- ----			
					C-0520v	....		x--- ----	x--- x--- ----			
Longgang Group (China-E)	42.33 N* 126.50 E	1000	5567	BX	**Cinder cones**	1005-05-	**Radiocarbon**					
	Jinlongdingzi				C 0350?	....		x--- ----	x--- ---- ----			
Changbaishan (China/Korea)	41.98 N 128.08 E	2744	3457	TRByx	**Stratovolcano**	1005-06-	**Historical**					
					C-2160v	....		x--- ----	xx-- ---- ----		P	
					A-1000?	....		---- ----	xx-- ?--- ----			
					C-0180u	....		x--- ----	xx-- ---- ----		P	
					G 1000s	....		x--- ----	xx-- ---- --x-		7?	-/10
					? 1413	....		---- ----	---- ---- ----			
					? 1597 1006	....		---- ----	?--- ---- ----			
					1668	06	....	---- ----	x--- ---- ----			
					1702	0609	....	x--- ----	xx-- ?--- ----			
					1898	....	....	x--- ---x	x--- ---- ----		2?	
					1903	0415q	....	---- ----	x--- ---- ----			
Xianjindao (Korea)	41.33 N 128.00 E		4567	U	**Unknown**	1006-01-	Uncertain					
					? 1597 1008	....		---- ----	x--- ---- -x--			
					? 1724	....		---- ----	---- ---- ----			
	Sanjiangdao				*? 1898*	....		---- ----	---- ---- ----			
Ch'uga-ryong (Korea)	38.33 N 127.33 E	452	4568	B	**Shield volcano**	1006-02-	Holocene?					
Ulreung (Korea)	37.50 N 130.87 E	984	4444	YP	**Stratovolcano**	1006-03-	**Radiocarbon**					
	(Ulreungdo-Oki tephra layer; U-4)				G-8750?	....		x--- ----	xx-- ---- ----		6	-/10
	(U-3 tephra)				G-6450?	....		---- ----	x--- ---- ----			
	(U-2 tephra)				C-2990s	....		---- ----	x--- ---- ----			
Halla (Korea)	33.37 N 126.53 E	1950	3466	BXYt	**Shield volcano**	1006-04-	**Historical**					
	NE flank (Ilchulbong tuff cone)				C-2830t	....		-x-- x---	xx-- ---- ----			
	SW flank (Songaksan tuff ring)				C-2050x	....		-x-- ----	xx-- x--- ----			
					1002	....		-x-- ----	x--- ---- ----			
					1007	....		-x-- ----	x--- ---- ----			

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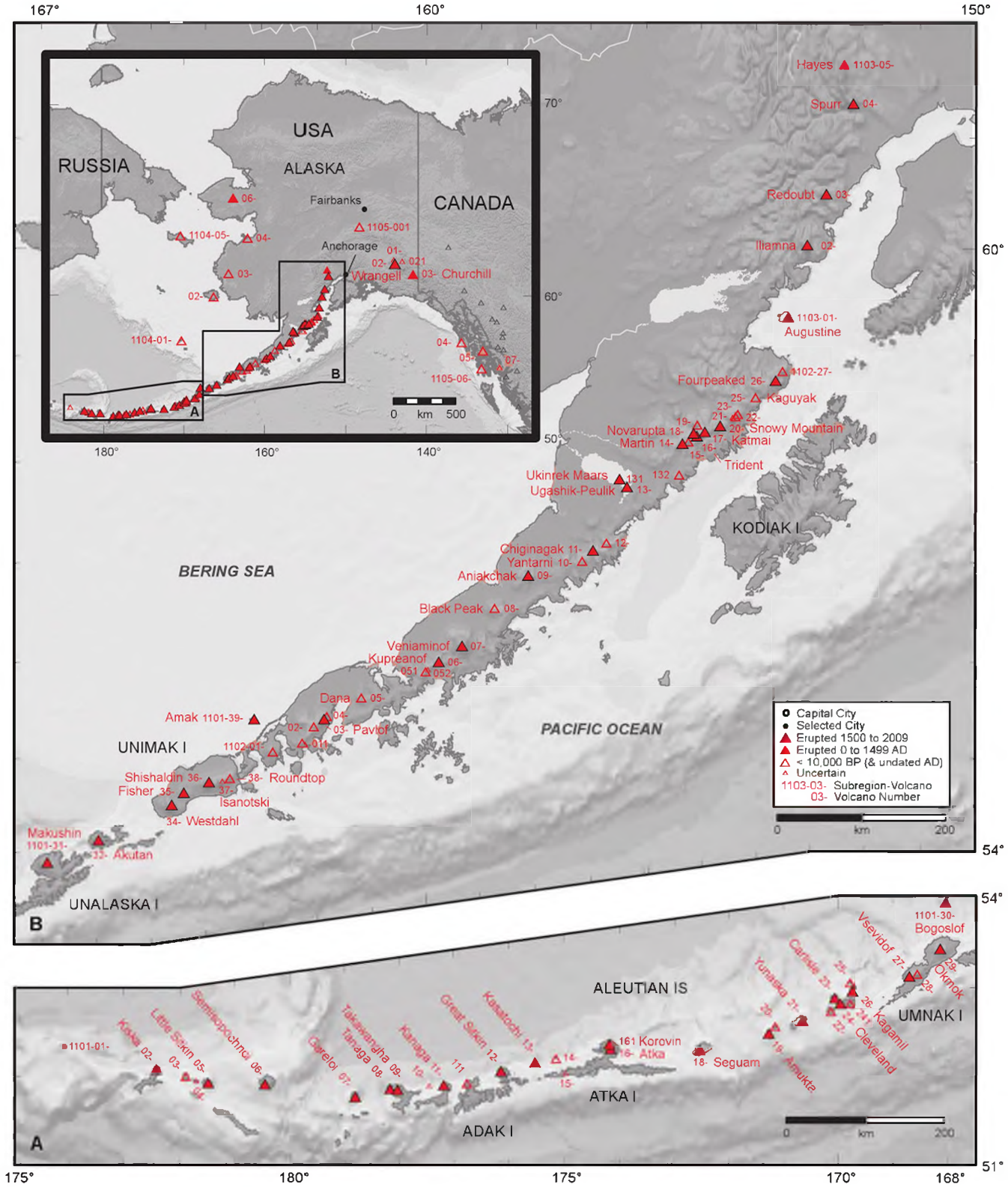
Alaska (11)



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The 2500-km-long Aleutian arc is a chain of large calc-alkaline stratovolcanoes and impressive calderas. This largely uninhabited arc, whose western end lies across the International Date Line and reaches within 900 km of Kamchatka, is responsible for nearly all the historical volcanism of Alaska. Alaska possesses more than half the Holocene volcanoes in the United States, but has produced nearly 70% of its historical eruptions, including many of its most explosive. The Wrangell Mountains, near the Canadian border to the east, include some of world's largest andesitic shield volcanoes, including Mount Wrangell itself, a glacier-covered caldera which has erupted in the past century, and the Mount Churchill-Bona complex, at 5005 m the highest volcano in the U.S. and the 4th highest in North America. Churchill was the source of the bilobate rhyodacitic White River Ash deposits, produced during two of the largest explosive eruptions in North America during the past 2000 years. Basaltic lava fields are scattered throughout the Bering Sea, the western interior, and the southeastern panhandle of Alaska.

Western record keeping began in 1741 when Vitus Bering (see introduction to Regions 09 & 10, above) landed in Alaska, but these commonly cloud-covered volcanoes were only occasionally documented in the following decades. Eruption reporting began with Kasatochi in 1760 (which also had a major eruption in 2008 that devastated the entire island and extended its shoreline); 4 more had erupted by 1768 and there has been a steady increase since. The first government of Russian America was set up near Sitka in 1799, and in 1867 the US bought Alaska from Russia for $7.2 million. Gold was discovered in 1896, and the population of this vast region had grown substantially by 1912, when the major eruption of Novarupta/Katmai, the world's largest in the 20th century, brought widespread attention to Alaska's many volcanoes. Recognition of their significance during WW-II led to a major USGS mapping program in the Aleutians during the early 1950s, bringing a quantum jump to understanding of these volcanoes. In 1959 Alaska entered the US as our 49th state, ranking first in area, 49th in population, and first in volcanism, with 42 of the nation's 65 historically active volcanoes.

Alaska has the world's largest proportion of stratovolcanoes (72%), several other regions have higher totals. Only Indonesia, Japan, and South America have had more volcanoes erupt during the past 100 years. Most volcanoes lie in sparsely populated areas, however, and only three Alaskan eruptions have caused fatalities. Weather in the Aleutian arc is notoriously bad, and eruptions take place even today without being observed. Only Antarctica has fewer people living within 100 km of volcanoes, but the Aleutian arc underlies the heavily traveled Great Circle commercial air corridor between the mainland U.S. and Asia, and several Alaskan eruptions have produced ash plumes that have damaged commercial aircraft. The Alaska Volcano Observatory has increased monitoring capability on many of these volcanoes to help anticipate and mitigate the impact of ash eruptions on aircraft.

Alaska is the latest region to be covered in the *CAVW* series. That catalog, published in the USGS Open-File Report format by Tom Miller and colleagues at the Alaska Volcano Observatory, and two other book-length treatments of Alaskan volcanoes (starred under REFERENCES - 1100) bring excellent modern coverage to this important volcanic group. These authors have not all followed the *CAVW* numbering of clockwise progression around the Pacific Rim, but naming has been reasonably consistent throughout. The Alaska Volcano Observatory, a collaborative program involving the USGS, the Geophysical Institute of the University of Alaska, and the Alaska Division of Geological & Geophysical Surveys, now posts detailed information about Alaska's present and past volcanism on the AVO website.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	30 km	100 km	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Centre; Flank vent; Radial fiss; Regional; Submarine; New island; Subglacial; Crater lake; Explosive; Pyro flow; Phreatic; Caldera; Lava flow; Lava lake; Dome; Spine; Fatal; Damage; Mudflow; Tsunami	VEI	Vol L/T
ALEUTIAN ISLANDS															
Buldir (Aleutian Is)	52.35 N	175.911 E	656	0000			BA	**Stratovolcano**	1101-01-		Holocene?				
Kiska (Aleutian Is)	52.103 N	177.602 E	1220	0000			ABd	**Stratovolcano**	1101-02-		**Historical**				
									? *1907*	....	....	....	---- ---- ---- ---- ----		*2?*
									? *1927*	....	....	....	---- ---- ---- ---- ----		*2?*
		North flank (Sirius Point)							1962	0124	....	....	-x-- ---- x--- x--- ----		3
									1964	0318	....	....	---- ---- ---- x--- ----		0
									1969	0911	1969	0916	---- ---- x--- x--- ----		2?
									? *1987*	*0415*	....	....	---- ---- ?--- ---- ----		
		Upper NW? flank							1990	0601	1990	0601?	-x-- ---- x-x- ---- ----		2
Segula (Aleutian Is)	52.015 N	178.136 E	1160	0000			AB	**Stratovolcano**	1101-03-		**Holocene**				
Davidof (Aleutian Is)	51.97 N	178.33 E	328	0000			U	**Stratovolcano**	1101-04-		Holocene?				
Little Sitkin (Aleutian Is)	51.95 N	178.543 E	1174	0000			AD	**Stratovolcano**	1101-05-		**Historical**				
									1776	....	....	....	---- ---- x--- ---- ----		1?
		Summit and west flank							1828	....	?*1830*	....	x-x- ---- ---- x--- ----		
Semisopochnoi (Aleutian Is)	51.93 N	179.58 E	1221	0000			BADY	**Stratovolcano**	1101-06-		**Historical**				
		Cerberus							? *1772*	....	....	....	x--- ---- ---- ---- ----		
		Cerberus							? *1790*	....	....	....	x--- ---- ---- ---- ----		
		Cerberus							? *1792*	....	....	....	x--- ---- ---- ---- ----		
		Cerberus							? *1830*	....	....	....	x--- ---- ---- ---- ----		
		Cerberus							1873	....	....	....	x--- ---- ---- ---- ----		
		Sugarloaf ?							1987	0413	....	....	-?-- ---- x--- ---- ----		2?
Gareloi (Aleutian Is)	51.790 N	178.794 W	1573	0000			BA	**Stratovolcano**	1101-07-		**Historical**				
									? *1760*	....	....	....	---- ---- ---- ---- ----		
									1790	....	....	....	---- ---- x--- ---- ----		2
									1791	....	....	....	---- ---- x--- ---- ----		2
									1792	....	....	....	---- ---- x--- x--- ----		2
									? *1828*	....	?*1829*	....	---- ---- ---- ---- ----		*2?*
									1873	....	....	....	---- ---- ---- ---- ----		2?
									1922	....	....	....	---- ---- x--- ---- ----		3
									? *1927*	....	....	....	---- ---- ---- ---- ----		
		SE flank fissure (near summit to sea)							1929	04	1930	....	--x- ---- x-x- x--- -x--		3
									1950	....	1951	....	---- ---- x-x- ---- ----		1
									1952	0117	....	....	---- ---- x--- ---- ----		2?
									1980	0807	1980	0917	x--- ---- x--- ---- ----		3?
									1982	0115	1982	0115	x--- ---- x--- ---- ----		3
									1987	0904	....	....	x--- ---- -?-- x--- ----		1?
									1989	0817	....	....	x--- ---- x--- ---- ----		1
									? *1996*	*0927*	....	....	---- ---- ?--- ---- ----		*1?*
Tanaga (Andreanof Is)	51.885 N	178.146 W	1806	0000			BAd	**Stratovolcanoes**	1101-08-		**Historical**				
		Sajaka One							R-1050*	....	....	....	---- ---- ---- x--- ----		0
		Sajaka One							T-0550*	....	....	....	x--- ---- xx-A ---- ----		
		Tanaga							C 1050?	....	....	....	x--- ---- x--- ---- ----		
		Tanaga, Sajaka Two							C 1550?	....	....	....	x--- ---- x--- ---- ----		
									? *1763*	....	?*1770*	....	---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Vapor and steam / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Tanaga (Andreanof Is) *continued*							*? 1791*	*0607*						
							1829					x		
							1914					x		0
Takawangha (Andreanof Is)	51.873 N	178.006 W	1449	0000	BAd	**Stratovolcano**	**1101-09-**		**Radiocarbon**					
							C 1550?				x	x		
Bobrof (Andreanof Is)	51.910 N	177.438 W	738	0000	BA	**Stratovolcano**	**1101-10-**		Holocene?					
Kanaga (Andreanof Is)	51.923 N	177.168 W	1307	0000	AYDB	**Stratovolcano**	**1101-11-**		**Historical**					
(T2 tephra layer)							G-7300z				x	x		
(T3 tephra layer)							G-4700w				x	x		
(T4 tephra layer)							G-2300w				x	x		
(T5 tephra layer)							G-2150x				x	x		
(T6 tephra layer)							G-1900y				x	x		
(T7 tephra layer)							G-1550v				x	x		
(T8 tephra layer)							G 0200w				x	x		
(T9 tephra layer)							G 0850x				x	x		
(T10 tephra layer)							G 1150v				x	x		
(T11 tephra layer)							G 1400t				x	x		
							? 1763							
(steam emission)							*X 1768*							
							1783?		1787?		x	x		
(steam emission)							*X 1790*		*X1791*					
							? 1827							
							? 1829							
Upper south flank ?							1904				x	x		0
Summit, upper SW flank							1906	05			x-x-	x		
(eruption from Great Sitkin, not Kanaga)							*X 1933*							
							1942				?			1
							1994	0105d	1994	1126d	x-x-	x	x	2
							1995	0619?	1995	0623?	x	x		2?
							? 1996	*0611*			x	?-		*1?*
Moffett (Andreanof Is)	51.944 N	176.747 W	1196	0000	AB	**Stratovolcano**	**1101-111**		**Radiocarbon**					
(Main Ash deposit)							G-7850?					x		
(Intermediate Ash deposit)							G-3750?					x		
(Sandwich Ash deposit)							G-1600?					x		
Great Sitkin (Andreanof Is)	52.076 N	176.130 W	1740	0000	ABt	**Stratovolcano**	**1101-12-**		**Historical**					
							? 1760							
							? 1784							
							1792	0526e				x		
							? 1828							
							? 1829							
							? 1904							
							1933	11				x		2
							1945	03			x	x	x-x-	2 7/-
							? 1946	*0814*			x			
							1949	1230	1950	0107		x		1 -/4
							1950	1105	1950	1129		x		
							X 1953	*0511*	*X1953*	*0514*				
							1974	0219	1974	09	x	x	x-x-	2 7/-
							? 1987	*0318*			?			
Kasatochi (Andreanof Is)	52.177 N	175.508 W	314	0003	BAD	**Stratovolcano**	**1101-13-**		**Historical**					
							1760					?		0
							? 1827							
							? 1828							
							? 1899?				x	?		
							2008	0807	2008	0809?	x	xx-	-x-	4
Koniuji (Andreanof Is)	52.22 N	175.13 W	273	0003	AB	**Stratovolcano**	**1101-14-**		**Ar/Ar**					
							R-3850*					x		
							R-2650*					x		
							R-1150*					x-x-		
Sergief (Andreanof Is)	52.05 N	174.95 W	560	0003	U	**Stratovolcano**	**1101-15-**		Uncertain					
Atka (Atka I)	52.332 N	174.137 W	1451	0033	BDA	**Stratovolcanoes**	**1101-16-**		**Historical**					
Sarichef or more probably Kliuchef							1812				?	x		3?
Kliuchef SW and WSW flanks							1987	0318	1987	0319?	-x-	x		2
							? 1995	*0501*			x	?-		*1?*
Korovin (Atka I)	52.381 N	174.154 W	1533	0033	BAD	**Stratovolcanoes**	**1101-161**		**Historical**					
							? 1829		*?1830*					
							? 1844							
							1907				x	x		
							? 1951							
							? 1953		*?1954*					
							1973	0825b			x-x-	x		0
							? 1976							
							? 1986	*0523*			x	x-x-		*1*
							1987	0304?	1987	0319?	x	x		2
(reported ash cloud meteorologic)							*X 1996*	*0629*						
							1998	0508a	1998	0708?	x	x	x-x-	3*
							2002	07 <			x	x	x-x-	1?
							2004	0704<			x	x	x-x-	1?
							2005	0223	2005	0505d	x	x	x-x-	1
							2006	1125e	2007	0303<	x	x		1
Unnamed (Amlia-N of)	52.25 N	173.55 W							1101-17-	Not a Volcano				
(SOFAR eruption site not confirmed)							*X 1966*	*07*	*X1967*	*08*				
Seguam (Andreanof Is)	52.315 N	172.510 W	1054	0000	ADBr	**Stratovolcanoes**	**1101-18-**		**Historical**					
Wilcox volcano							R-7300*				x	xx-		5? -/8
W flank of cone in eastern caldera							U-5100*				-x-		x	0 7/-
W flank of cone in eastern caldera							U-4050*				-x-		x	0
West of Wilcox volcano							U 0250z				-x-		-x-	
							1786		1790					
							? 1827							
							1891	12				x		2
							1892	0415q				x		3
							1902					x		3

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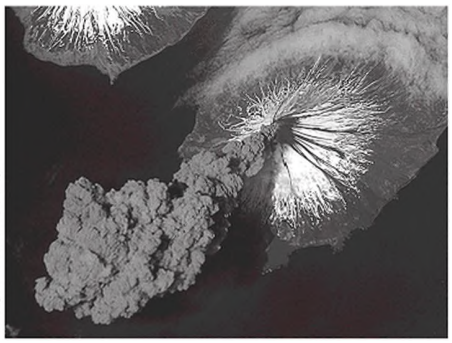
VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Seguam (Andreanof Is) *continued*													
						?	*1927*	....	....	....	---- ---- ---- ---- ----		
Pyre Peak (2.5 km SE of summit)							1977	0306	1977	0308?	--x- ---- x--- x--- ----	1	7/-
Pyre Peak (1.5 km south of summit)							1992	1227	1992	1230	--x- ---- x--- ---- ----	2	
Near Pyre Peak							1993	0528	1993	0831>	-x-- ---- x--- x--- ----	2	
Amukta (Four Mountains)	52.50 N	171.252 W	1066	0000	A	**Stratovolcano**	1101-19-		**Historical**				
						?	*1770*	....	....	....	---- ---- ---- ---- ----		
							1786	06	1791	....	---- ---- x--- ---- ----	3↑	-/8
						?	*1876*	....	....	....	---- ---- ---- ---- ----		
							1878	....	....	....	---- ---- ---- ---- ----		
							1963	0213	....	....	xxx- ---- x--- x--- ----	3	
							1987	0904?	....	....	x--- ---- x--- ---- ----	1	
							1996	0917	1996	0918	x--- ---- x--- ---- ----	1	
							1997	0303	....	....	x--- ---- x--- ---- ----	1	
Chagulak (Four Mountains)	52.577 N	171.13 W	1142	0000	A	**Stratovolcano**	1101-20-		**Holocene**				
Yunaska (Four Mountains)	52.643 N	170.629 W	550	0000	ABD	**Shield volcano**	1101-21-		**Historical**				
						?	*1817*	....	....	....	---- ---- ---- ---- ----		
							1824	....	....	....	---- ---- x--- ---- ----	3	
							1830	....	....	....	---- ---- x--- ---- ----	2	
						?	*1873*	....	....	....	---- ---- ---- ---- ----	*2?*	
						?	*1929*	....	....	....	---- ---- ---- ---- ----		
							1937	1103	1937	1104	---- ---- x--- ?--- ----	3	
Herbert (Four Mountains)	52.742 N	170.111 W	1280	0002	A	**Stratovolcano**	1101-22-		**Holocene**				
Carlisle (Four Mountains)	52.894 N	170.054 W	1620	0002	A	**Stratovolcano**	1101-23-		**Historical**				
							1774	....	....	....	---- ---- ---- ---- ----		
							1828	....	....	....	---- ---- ---- ---- ----		
						?	*1838*	....	....	....	---- ---- ---- ---- ----		
						?	*1987*	*1116*	....	....	x--- ---- --?- ---- ----		
Cleveland (Chuginadak I)	52.825 N	169.944 W	1730	0001	AD	**Stratovolcano**	1101-24-		**Historical**				
							1893	....	....	....	---- ---- ---- ---- ----		
							1897	....	....	....	---- ---- ---- ---- ----		
						?	*1929*	*03*	....	....	---- ---- ---- ---- ----		
							1932	0101	....	....	---- ---- x--- ---- ----		
							1938	....	....	....	---- ---- ---- ---- ----		
							1944	0610	1944	0612	x--- ---- x--- x--- x-?-	3	
						?	*1951*	*1101*	*?1951*	*12*	---- ---- ?--- ---- ----		
						?	*1953*	*0625*	....	....	x--- ---- x--- ---- ----		
						?	*1975*	*09*	....	....	---- ---- ---- ---- ----		
							1984	0712	1984	0712	x--- ---- x--- ---- ----	1	
						?	*1985*	*1210*	....	....	x--- ---- --?- ---- ----	*1*	
							1986	0428	1986	0527>	x--- ---- x--- x--- ----	2	
							1987	0619	1987	0828	x--- ---- x--- x--- ----	3*	
						?	*1989*	*1025c*	....	....	x--- ---- ---- ?--- ----	*0*	
							1994	0525	1994	0525	x--- ---- x--- ---- --x-	3	
							1994	1020	1994	1020	x--- ---- x--- ---- ----	1?	
							1997	0505	1997	0505	x--- ---- x--- ---- ----	2?	
							2001	0202<	2001	0415?	x--- ---- x--- x--- --x-	3?	
							2005	0313?	2005	1127a	x--- ---- x--- ---- --x-	2*	
							2006	0206	2006	1028	x--- ---- x--- ---- ----	3*	
							2007	0617?	2008	0812?	x--- ---- x?-- x--- --?-	2?	
							2009	0102	*?2009*	*0121*	x--- ---- x--- ---- ----		
							2009	0625	2009	0625	x--- ---- x--- ---- ----	2	
							2009	1002	2009	1212?	x--- ---- x--- ---- ----	2	
Tana (Chuginadak I)	52.83 N	169.77 W	1170	0001	R	**Stratovolcanoes**	1101-241		**Holocene**				
Uliaga (Four Mountains)	53.065 N	169.77 W	888	0002	U	**Stratovolcano**	1101-25-		**Holocene**				
Kagamil (Four Mountains)	52.974 N	169.72 W	893	0001	U	**Stratovolcano**	1101-26-		**Historical**				
							1929	12	....	....	---- ---- ---- ---- ----		
Vsevidof (Fox Is)	53.130 N	168.693 W	2149	0011	AD	**Stratovolcano**	1101-27-		**Historical**				
						?	*1784*	....	....	....	x--- ---- ---- ---- ----		
						?	*1790*	*0530*	....	....	x--- ---- ---- ---- ----		
							1817	....	....	....	---- ---- ---- ---- ----	3?	
SW end of Umnak Island							1830	....	....	....	---- ---- ---- ---- ----		
West flank fissure ?							1878	....	....	....	---- ---- x--- ?--- ----	2	
						?	*1880*	....	....	....	x--- ---- ---- ---- ----		
West flank fissure						?	*1957*	*0311*	*?1957*	*0312*	--?- ---- x-x- ---- ----	*2*	
Recheschnoi (Fox Is)	53.157 N	168.539 W	1984	0002	ABR	**Stratovolcano**	1101-28-		**Holocene**				
Okmok (Fox Is)	53.43 N	168.13 W	1073	0001	BAdtr	**Shield volcano**	1101-29-		**Historical**				
							C-6310z	....	....	....	x--- ---- xx-- ---- ----	P	
(Okmok II caldera)							C-0100t	....	....	....	x--- ---- xx-x ---- ---x	6	-/10
							1805	....	....	....	x--- ---- ---- ?--- ----		
Cone E? or B?							1817	0301	1820	....	x--- ---- x?-- ---- -x--	3	
Cone B?							1824	....	1830	....	x-?- ---- x--- ?--- ----		
Cone A?							1878	....	....	....	x--- ---- x--- ---- ---x	2?	
SW part of caldera (Cone A)							1899	....	....	....	x--- ---- x--- ---- ----	3	
Cone A?							1931	0321	1931	0513>	x--- ---- x--- ?--- ----	2	
SW part of caldera (Cone A)						?	*1936*	....	....	....	x--- ---- ---- ---- ----		
SW part of caldera (Cone A)							1938	....	....	....	x--- ---- ---- ?--- ----		
SW part of caldera (Cone A)							1943	06	....	....	x--- ---- x--- ---- ----	1	
SW part of caldera (Cone A)							1945	0604	1945	12	x--- ---- x--- x--- ----	2	7/-
SW part of caldera (Cone A)							1958	0814	1958	0825j	x--- ---- x--- x--- ----	3	8/-
SW part of caldera (Cone A)							1960	1015q	1961	0415q	x--- ---- x--- ---- ----	3	-/7
SW part of caldera (Cone A)							1981	0324	1981	0324	x--- ---- x--- ---- ----	3?	
SW part of caldera (Cone A)							1983	0708	1983	0708	x--- ---- x--- ---- ----	2	
SW part of caldera (Cone A)							1986	1118	1988	0226	xx-- ---- x--- ---- ----	2*	
SW part of caldera (Cone A)							1997	0211	1997	0519d	x--- ---- x--- x--- ----	3*	7/-
NE caldera floor							2008	0712	2008	0819	x--- ---- x--- ---- --x-	4?	
Bogoslof (Fox Is)	53.93 N	168.03 W	150	0004	YBA	**Submarine volc**	1101-30-		**Historical**				
Old Bogoslof (Castle Rock)							1796	05	1804	....	---- xx-- x--- x-x- ----	3?	7/8
Old Bogoslof (Castle Rock)							1806	....	1823	....	---- ---- x--- x-x- ----	2*	7/-
New Bogoslof (Grewingk)							1883	0927<	1895b	....	---- xx-- x--- --x- ----	3*	7/-
Metcalf Peak, McCullough Peak							1906	0301p	1907	0901	---- xx-- x--- --xx ----	3*	6/8
Metcalf Peak						?	*1908*	*0115q*	....	....	---- ---- x--- ---- ----		



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2006 eruption

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Bogoslof (Fox Is) *continued*		Tahoma Peak					1909	09	1910	0919		----- xx-- x--- --x- -----	2*	
		Tahoma Peak					? *1913*	*07*	....	....		----- ----- ----- ----- -----		
		Between New and Old Bogoslof					1926	07	1928	....		----- xx-- x--- --x- -----	2	6/-
		1926-1927 dome					1931	1031	....	....		----- ----- x--- x--- -----	1	
							? *1951*	*0921*	....	....		----- ?--- ----- ----- -----	*0*	
		North tip of island (NE of 1927 dome)					1992	0706	1992	0724		----- ----- x--- --xx -----	3	6/-
Makushin (Fox Is)	53.891 N	166.923 W	1800	0044	ABYDt	**Stratovolcano**	1101-31-		**Historical**					
							C-6650x	....	....	....		x--- ----- xx-A ----- -----		
							C-6100†	....	....	....		x--- ----- xx-x ----- -----	5	-/9
							T-3650*	....	....	....		----- ----- x--- ----- -----	P	
							C-1750?	....	....	....		----- ----- ----- x--- --x-		
							T-0550*	....	....	....		----- ----- x--- ----- -----		
							T 1150z	....	....	....		----- ----- x--- ----- -----		
							1768	....	1769	....		----- ----- x--- ----- -----	3↑	
							? *1790*	*0607*	....	....		----- ----- ----- ----- -----		
							? *1792*	*0214*	....	....		----- ----- ----- ----- -----		
							1802	....	....	....		----- ----- x--- ----- -----	3	
							? *1818*	....	....	....		----- ----- ----- ----- -----		
							1826	06	....	....		----- ----- x--- ----- -----	3	
							? *1827*	....	?*1838*	....		----- ----- ----- ----- -----	*2?*	
							? *1844a*	....	....	....		----- ----- ----- ----- -----		
							1865	....	....	....		----- ----- ----- ----- -----		
							? *1867*	....	....	....		----- ----- ----- ----- -----		
							1883	....	....	....		----- ----- x--- ----- -----	2	
							1907	....	....	....		----- ----- ----- ----- -----		
							? *1912*	....	....	....		----- ----- ----- ----- -----		
							1926	1230	....	....		----- ----- x--- ----- -----	2	
							1938	10	....	....		----- ----- x--- ----- -----	2	
							1951	1220	....	....		----- ----- x-x- ----- -----	1	
							? *1952*	....	....	....		----- ----- ----- ----- -----		
		SE side of summit					1980	0501s	....	....		x--- ----- x-x- ----- -----	1	
		(strong steam plume: no ash detected)					X *1986*	*0428*	....	....		----- ----- ----- ----- -----		
							1987	0302	1987	0302		x--- ----- x-?- ----- -----	1	
							1993	08	1994	0119?		x--- ----- x-x- ----- -----	1	
							1995	0130	1995	0130		x--- ----- xxx- ----- -----	1	
Akutan (Fox Is)	54.134 N	165.986 W	1303	0234	BAYtd	**Stratovolcano**	1101-32-		**Historical**					
							G-7620y	....	....	....		x--- ----- xx-- ----- --x-		
							C-4150?	....	....	....		x--- ----- x--- ----- --x-		
		(formation of youngest caldera)					C 0340?	....	....	....		x--- ----- xx-x ----- -----	5	-/9
							C 0550?	....	....	....		x--- ----- x--- ----- -----		
							G 1420v	....	....	....		x--- ----- x--- ----- --x-		
							? *1790*	....	....	....		----- ----- ----- ----- -----		
							? *1828*	....	....	....		----- ----- ----- ----- -----		
							? *1838*	....	....	....		----- ----- ----- ----- -----		
							? *1845*	....	....	....		----- ----- ----- ----- -----		
							1848	0305d	....	....		----- ----- x--- ----- -----	2	
		NW flank (Lava Point)					1852	....	....	....		-x-- ----- x--- x--- -----		
							? *1862*	....	....	....		----- ----- ----- ----- -----		
							1865	....	....	....		----- ----- ----- ----- -----		
							1867	....	....	....		----- ----- ----- ----- -----		
							1883	....	....	....		----- ----- x--- ----- -----	2	
							1887	....	....	....		----- ----- ----- x--- -----	0	
							1892	0923	....	....		----- ----- x--- ----- -----	1	
							1896	....	....	....		----- ----- ----- ----- -----		
							1907	....	....	....		----- ----- ----- ----- -----		
							1908	0222	....	....		----- ----- ----- x--- -----	0	
							1911	....	....	....		x--- ----- x--- ----- -----	2	
							? *1912*	....	....	....		----- ----- ----- ----- -----		
							1927	....	1928	....		----- ----- x--- ----- -----	2	
							1929	05 ?	....	....		x--- ----- x--- x--- --x-	2	
							1931	05	1931	08		x--- ----- x--- ----- -----	2	
							1946	12	1947	01		x--- ----- x--- x--- -----	2	
							1948	0429	1948	0807>		x--- ----- x--- ----- -----	2	
							1951	10	....	....		----- ----- x--- ----- -----	2	
							1953	....	....	....		----- ----- x--- ----- -----	2	
							1962	1105d	....	....		x--- ----- x--- ----- -----	2	
							? *1972*	*09* ?	....	....		x--- ----- ?--- ----- -----	*2?*	
							1973	03 ?	1973	05		x--- ----- x--- ----- -----	2	
		West flank ?					1974	0211<	....	....		-?-- ----- x--- x--- -----	2	
							1976	1015q	1977	0509>		x--- ----- x--- ----- -----	2	
							1978	0925e	1978	10		x--- ----- x--- x--- -----	2	
							1980	0703<	1980	0708?		x--- ----- x--- ?--- -----	2	
							1982	1005d	1983	05		x--- ----- x--- ----- -----	2	
							1986	0318	1986	0630		x--- ----- x--- ----- -----	2	
							1987	0131	1987	0624		x--- ----- x--- ----- -----	2	
							1988	0326	1988	0720		x--- ----- x--- ----- -----	2	
							1989	0227	1989	0328<		x--- ----- x--- ----- -----	2	
							1990	0126e	1990	0126e		x--- ----- x--- ----- -----	2	
							1990	0906	1990	1001		x--- ----- x--- ----- -----	2	
							1991	0915	1991	1029a		x--- ----- x--- ----- -----	2	
							1992	0308	1992	0521		x--- ----- x--- ----- -----	2	
							1992	1218	....	....		x--- ----- x--- ----- -----	1	
Westdahl (Fox Is)	54.518 N	164.65 W	1654	0003	BYAtd	**Stratovolcano ?**	1101-34-		**Historical**					
		Pogromni or (more likely) Westdahl					1795	....	....	....		----- ----- x--- ----- --x-	4	-/9
		Pogromni or (more likely) Westdahl					1796	....	....	....		----- ----- ----- x--- --x-	0	
		Pogromni or (more likely) Westdahl					1820	....	....	....		----- ----- x--- ----- -----	2	
		Pogromni or (more likely) Westdahl					1827	....	1830	....		----- ----- x--- ----- -----	2	
							1964	0310	1964	0416		-x-- ----- x--- x--- -----	2	
		South of Westdahl Peak (1450 m)					1978	0204	1978	0209		x--- --x- x--- ----- -xx-	3	
							? *1979*	*0208*	?*1979*	*0209*		----- ----- ?--- ----- -----	*3?*	
		ENE flank (1560-760 m)					1991	1129	1992	0114		--x- --x- x--- x--- --x-	3	7/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Fisher (Fox Is)	54.65 N	164.43 W	1112	0002	ADBT	**Stratovolcano**	1101-35-					**Historical**			
NE and SW parts of Fisher caldera							C-7420x	....	....	....	....		x--- ---- xx-x ---- ----	6?	-/10
Turquoise cone							C-3170u	....	....	....	....		x--- ---- x--- ---- ----	5	-/9
Turquoise cone							C 0400!	....	....	....	....		x--- ---- xxx- ---- ---x		
							1795<	....	....	....	....		---- ---- ?--- ---- ----		
Mount Finch							1826	1011		1827	01 ?		x--- ---- x--- ---- ----	3	
Mount Finch							1830	08		....	....		x--- ---- x--- ---- ----	2?	
Shishaldin (Fox Is)	54.756 N	163.97 W	2857	0023	BAdtr	**Stratovolcano**	1101-36-					**Historical**			
							C-7550?	....	....	....	....		x--- ---- x--A ---- ----		
							C-7050?	....	....	....	....		---- ---- x--- ---- ----		
							C 0950?	....	....	....	....		---- ---- ---- x--- ----		
							? *1775*	....	*?1778*	....			---- ---- ---- ---- ----		
							? *1790*	....	....	....	....		---- ---- ---- ---- ----		
							1824	....	....	....	....		---- ---- x--- x--- ----	3	
NE flank (1300 m)							1825	....	....	....	....		-x-- ---- x--- x--- --x-	2	
							1826	....	....	....	....		-x-- ---- ---- x--- ----	0	
							1827	....	1829	....			---- ---- ---- ---- ----	2	
							1830	11		1830	12		---- ---- x--- x--- ----	3	
							1838	....	....	....	....		---- ---- x--- ---- ----	2	
							1842	....	....	....	....		---- ---- x--- x--- ----	2	
							? *1865*	....	....	....	....		---- ---- ---- ---- ----		
							? *1880*	....	*?1881*	....			---- ---- ---- ---- ----		
							1883	....	....	....	....		---- ---- x--- ---- ----	2	
							? *1897*	....	....	....	....		---- ---- ---- ---- ----		
							1898	....	....	....	....		---- ---- x--- x--- ----	2	
							? *1899*	....	....	....	....		---- ---- ---- ---- ----		
							1901	....	....	....	....		---- ---- ---- ---- ----		
							? *1912*	....	....	....	....		---- ---- ---- ---- ----		
							1922	1015q	....	....	....		---- ---- x--- x--- --x-	2	
							1925	....	....	....	....		---- ---- ---- ---- ----		
							1927	....	....	....	....		---- ---- ---- ---- ----		
							1928	08		....	....		---- ---- x--- ---- ----	2	
Summit and north flank							1929	0528		1929	0623>		xx-- ---- x--- x--- ----	2	
							1932	0201		1932	0521		x--- ---- x--- x--- --x-	2	
							1946	08		1947	01		---- ---- x--- ---- ----	2	
							1948	....	....	....	....		---- ---- x--- ---- ----	2	
							1951	04		1951	1005d		x--- ---- x--- ---- ----	2	
							1953	1004c		....	....		---- ---- x--- ---- ----	2	
							1955	07		....	....		---- ---- x--- ---- ----	2	
							1963	1228		....	....		---- ---- x--- ---- ----	2	
							1967	0128		....	....		---- ---- x-x- ---- ----	2	
							1975	0913		1975	1026e		x--- ---- x--- ?--- --?-	2	
							1976	01		1976	0928		x--- ---- x--- x--- --?-	2*	
							1978	0208		1978	0209?		x--- ---- x--- ---- ----	2	
							1979	02		....	....		x--- ---- x--- ---- ----	2	
							? *1981*	*0925*		....	....		---- ---- ?--- ---- ----		
							1986	0319		1987	0215?		x--- ---- x-x- ---- ----	2	
							1993	0904		1993	1029		x--- ---- x--- ---- ----	2*	
							1995	1223		1996	0516<		x--- ---- x--- ---- ----	3	
							1997	0602		1997	0602		x--- ---- x--- ---- ----	1	
							1998	1104		1998	1104		x--- ---- x-x- ---- ----	1	
							1999	0313		1999	0527		x--- ---- x--- ---- --x-	3*	-/7
							? *1999*	*0925e*	*?2000*	*0204?*			x--- ---- ---? ---- ----		
							? *2000*	*0811*	....	....			x--- ---- ---? ---- ----		
							2004	0217		2004	07 >		x--- ---- x--- ---- ----	2*	
							? *2008*	*0212*	*?2008*	*0212*			x--- ---- ?--- ---- ----	*1?*	
Isanotski (Fox Is)	54.765 N	163.723 W	2446	0023	U	**Stratovolcano**	1101-37-					Uncertain			
							? *1795*	....	....	....	....		---- ---- x--- ---- ----	*3?*	
							? *1825*	*0310*	....	....	....		---- ---- x--- ---- --x-	*4*	-/8
							? *1830*	*11*	....	....	....		---- ---- ?--- ---- ----	*2?*	
							? *1831*	*03*	*?1831*	*0506a*			---- ---- ---- x--- ----		
							? *1845*	....	....	....	....		---- ---- ---- ---- ----		
Roundtop (Fox Is)	54.80 N	163.589 W	1871	0024	R	**Stratovolcano**	1101-38-					**Radiocarbon**			
							T-7600z	....	....	....	....		x--- ---- xx-x ---- ----	5?	
Amak (Fox Is)	55.424 N	163.149 W	488	0004	A	**Stratovolcano**	1101-39-					**Historical**			
							T-2550z	....	....	....	....		---- ---- ---- x--- ----		
							1700	....		1710	....		x--- ---- ---- x--- ----		
							1796	....	....	....	....		x--- ---- ---- x--- ----		

David Johnson (USGS)

Shishaldin with flank cinder cones and Isanotski (left)

ALASKA - PENINSULA & SW

Frosty (Alaska Peninsula)	55.082 N	162.814 W	2012	0024	AB	**Stratovolcanoes**	1102-01-					**Holocene**			
Dutton (Alaska Peninsula)	55.168 N	162.272 W	1506	0334	AD	**Stratovolcano**	1102-011					**Holocene**			
Emmons Lake (Alaska Peninsula)	55.341 N	162.079 W	1436	0034	ABR	**Caldera**	1102-02-					**Holocene**			
Pavlof (Alaska Peninsula)	55.42 N	161.887 W	2519	0004	AB	**Stratovolcano**	1102-03-					**Historical**			
							@ 1762	....		@1786	....		xx-- ---- x--- ---- ----	4?	-/8
							1790	....	....	....	....		---- ---- x--- ---- ----	2	
							1817	....	....	....	....		---- ---- x--- ---- ----	2	
							1825	....	....	....	....		---- ---- ?--- ---- ----	2?	
							1838	....	....	....	....		---- ---- x--- ---- ----	1	
(eruption in August 1845, not 1844)							1845	0812	....	....	....		---- ---- x--- ---- ----	2	
							1846	08		1846	08		x?-- ---- x--- x--- ----	2	
Upper north flank							? *1852*	....	....	....	....		x--- ---- ---- ---- ----	*1?*	
							1866	0314	....	....	....		---- ---- x--- ---- ----	2	
							1880	....	....	....	....		x--- ---- ---- ---- ----	1?	
							1886	....	....	....	....		x--- ---- ---- ---- ----	2?	
							1892	....	....	....	....		x--- ---- x--- ---- ----	2?	
							1894	....	....	....	....		x--- ---- x--- ---- ----	2?	
							1901	....	....	....	....		---- ---- x--- ---- ----	2?	
Summit and north flank fissure							1906	....		1911	1207?		x-x- ---- x?-- x--- ----	3*	
							1914	0706	....	....	....		---- ---- x--- ---- ----	2	
							1917	10	....	....	....		---- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE / Area of Activity	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Pavlof (Alaska Peninsula) *continued*									1922	1224	1923	0228r		x--- ---- x--- ---- ----	2	
									1924	0117	....			x--- ---- x--- ---- ----	2	
									1929	03	1931	08		x--- ---- x--- ---- ----	2*	
									1936	....	1948	05 ?		x--- ---- x--- x--- ----	3*	
								Upper NE or NNE flank	1950	0731	1951	05		x--- ---- x--- ---- ----	2	
								Upper NE or NNE flank	1951	10	1952	02 ?		x--- ---- x--- ---- ----	2	
								Upper NE or NNE flank	1953	1125	1954	08		x--- ---- ---- ---- ----	1?	
								Upper NNE flank	1958	0517	1958	0828		x--- ---- x--- x--- ----	2	
								Upper NE or NNE flank	1960?	....	1963	06 ?		x--- ---- x--- ---- ----	2	
								Upper NE or NNE flank	1966	0315	....			x--- ---- x--- x--- ----	2	
								Upper NE flank	1973	1112	1973	1113		x--- ---- -?-- ?--- ----	2	-/6
									1974	0312	1974	0324?		x--- ---- x--- ---- ----	1	
									1974	0901<	1975	0113		x--- ---- x--- ---- --?-	3*	
									1975	0913	1977	03 >		x--- ---- xx-- ?--- --?-	2*	-/7
									1980	0706a	....			x--- ---- x--- ---- ----	1	
								Upper NNE flank	1980	1108	1980	1113		x--- ---- x--- x--- ----	3*	-/6
									1981	0330<	1981	0528		x--- ---- x--- ---- ----	1	
								Upper NNE flank (100 m below summit)	1981	0925	1981	0927		x--- ---- x--- x--- ----	3	6/7
									? *1982*	*0715q*	....			x--- ---- --?- ---- ----	*1?*	
									1983	0711	1983	0718		x--- ---- x--- ---- ----	2?	
								Upper NNE flank	1983	1111	1983	1218		x--- ---- x--- x--- ----	3*	-/7
								NNE & SE summit vents, NE & SE flanks	1986	0416	1988	0813		xx-- ---- xx-- x--- --x-	3*	6/-
									1990	0305	1990	0305		x--- ---- ?-?- ---- ----	2?	
									1996	0911	1997	0103?		x--- ---- x--- x--- --x-	2*	
									? *2001*	*0605d*	....			x--- ---- ?--- ---- ----	*1?*	
									2007	0815	2007	0913		x--- ---- x--- x--- --x-	2	
Pavlof Sister (Alaska Peninsula)	55.453 N	161.843 W	2142	0004		B	**Stratovolcano**		**1102-04-**		**Holocene**					
Dana (Alaska Peninsula)	55.641 N	161.214 W	1354	0004		AD	**Stratovolcano**		**1102-05-**		**Radiocarbon**					
									C-1890?	....	....			---- ---- xx-- ---- ----	5	-/9
Stepovak Bay 2 (Alaska Peninsula)	55.913 N	160.041 W	1323	0004		A	**Cinder cone**		**1102-051**		**Holocene**					
Stepovak Bay 3 (Alaska Peninsula)	55.929 N	160.002 W	1555	0004		AB	**Cinder cone**		**1102-052**		Holocene?					
Stepovak Bay 4 (Alaska Peninsula)	55.954 N	159.954 W	1557	0024		U	**Stratovolcano**		**1102-053**		**Pleistocene**					
Kupreanof (Alaska Peninsula)	56.011 N	159.797 W	1895	0023		AB	**Stratovolcano**		**1102-06-**		**Historical**					
								SSW flank (1575 m)	1987	0310	1987	0310		-x-- ---- x-x- ---- ----	1	
Veniaminof (Alaska Peninsula)	56.17 N	159.38 W	2507	0003		ABD	**Stratovolcano**		**1102-07-**		**Historical**					
									C-1750?	....	....			x--- ---- xx-x ---- ----	6	-/10
									? *1830*	....	?*1838*			---- ---- ---- ---- ----	*2*	
								Western intracaldera cone	1838	0804	1839	04		x--- ---- x--- ---- ----	3	
								Western intracaldera cone	? *1852*	....	....			x--- ---- ---- ---- ----	*2?*	
								Western intracaldera cone	1874	0715q	....			x--- ---- x--- ---- ----	2?	
								Western intracaldera cone	1892	0828	1892	0830		x--- ---- x--- ---- ----	3	
								Western intracaldera cone	1930	06	....			x--- ---- x--- ---- ----	2	
								Western intracaldera cone	1939	0523	1939	0626?		x--- ---- x--- ---- ----	3	
								Western intracaldera cone	1939	11	....			x--- ---- x--- ---- ----	2	
								Western intracaldera cone	1944	0328	....			x--- ---- x--- ---- ----	2	
								Western intracaldera cone	1956	03	1956	0523		x--- ---- x--- ---- ----	3*	
								Western intracaldera cone	1983	0602	1984	0417		x--- ---- x--- x--- ----	3	7/-
								Western intracaldera cone	1984	1129	1984	1206?		x--- ---- x--- ---- ----	2	
								Western intracaldera cone	1987	0319	1987	0319		x--- ---- x-x- ---- ----	1	
								Western cone and Half Cone	1993	0730	1994	0928?		xx-- --x- x--- x--- ----	2	7/-
								Western intracaldera cone	1995	0417	1995	0417		x--- ---- x--- ---- ----	1	
								Western intracaldera cone	1995	1115	1995	1130?		x--- ---- x--- ---- ----	1	
								Western intracaldera cone	2002	0924	2003	0323		x--- ---- x--- ---- ----	1	
								Western intracaldera cone	2004	0216	2004	0905d		x--- ---- x--- ---- ----	2*	
								Western intracaldera cone	2005	0104	2005	0214c		x--- ---- x--- ---- ----	2*	
								Western intracaldera cone	2005	0907	2005	1104?		x--- ---- x--- ---- ----	1	
								Western intracaldera cone	2006	0303	2006	0907		x--- ---- x--- ---- ----	1	
								Western intracaldera cone	2008	0222	2008	0227?		x--- ---- x--- ---- ----	1	
Black Peak (Alaska Peninsula)	56.552 N	158.785 W	1032	0003		AD	**Stratovolcano**		**1102-08-**		**Radiocarbon**					
									T-1900w	....	....			x--- ---- xx-x ---- ----	6	-/10
Aniakchak (Alaska Peninsula)	56.88 N	158.17 W	1341	0023		ADbty	**Caldera**		**1102-09-**		**Historical**					
									T-5250*	....	....			x--- ---- xx-? ---- ----	6?	-/10
									T-2550z	....	....			x--- ---- x--- ---- ----		
									I-1645j	....	....			x--- ---- xx-x ---- ---x	6?	-/10
									C-0350?	....	....			x--- ---- x--- ---- ----		
								Northern & western caldera floor	T 0200	....	....			x--- ---x x--- --x- ----		
									C 0460?	....	....			x--- ---x x--- x--- ----		
								S & NW caldera floor (Vent Mtn & Half Cone)	T 0700y	....	....			x--- ---- ---- x--- ----	0	
								Vent Mtn and other vents?	T 1050?	....	....			x--- ---- x--- ---- --x-		
								NW caldera floor (Half Cone)	T 1220w	....	....			x--- ---- x--- x--- ----		
								NW caldera floor (Half Cone?)	C 1390	....	....			x--- ---- x--- ---- ----		
								SE caldera floor (New Cone)	C 1550?	....	....			x--- ---- x--- ---- ----		
								NW & S caldera floor (Half Cone, Vent Mtn)	C 1560t	....	....			x--- ---- xx-- x--- ----	4+	-/8
								West and SW caldera floor	1931	0501	1931	0613>		x-x- ---- xx-- x-x- -x--	4*	-/8
									? *1942*	....	....			---- ---- ---- ---- ----		
								(resuspended ash)	X *1951*	*0625*	X*1951*	*0625*		---- ---- ---- ---- ----		
Yantarni (Alaska Peninsula)	57.019 N	157.185 W	1345	0003		AD	**Stratovolcano**		**1102-10-**		**Tephrochronology**					
									T-0800z	....	....			x--- ---- x?-A --x- ----	5	8/9
Chiginagak (Alaska Peninsula)	57.135 N	156.990 W	2221	0002		ADb	**Stratovolcano**		**1102-11-**		**Historical**					
								(likely fumarolic activity)	X *1852*	....	....			---- ---- ---- ---- ----		
									? *1929*	*12*	....			---- ---- ---- ---- ----		
									1971	07	1971	07		---- ---- x--- ---- ----	2?	
									1998	0813	1998	0813?		x--- ---- x--- ---- ----	1	
Kialagvik (Alaska Peninsula)	57.203 N	156.745 W	1677	0002		AD	**Stratovolcano**		**1102-12-**		**Holocene**					
Ugashik-Peulik (Alaska Peninsula)	57.751 N	156.368 W	1474	0003		ABDR	**Stratovolcano**		**1102-13-**		**Historical**					
								Peulik	C-6550?	....	....			---- ---- x--- ---- ----		
								Peulik	C-5850?	....	....			---- ---- x--- ---- ----		
								Peulik	C 1050v	....	....			---- ---- x--- ---- ----		
								Peulik	1814	....	....			x--- ---- x--- ---- ----	3	
								Peulik	? *1852*	....	....			x--- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year M-Dy — Stop Year M-Dy	ERUPTIVE CHARACTERISTICS: Central Flank vent Radial fiss Regional / Submarine New island Subglacial Crater lake / Explosive Pyro flow Phreatic Caldera / Lava flow Lava lake Dome Spine / Fatal Damage Mudflow Tsunami	VEI	Vol L/T
Ukinrek Maars (Alaska Peninsula)	57.832 N	156.510 W	91	0003	BD	**Maars**	1102-131	**Historical**			
Gas Rocks						C-0350?	....	....	x--- ---? x-x- ---- ----		
West and East Ukinrek Maars						1977	0330	1977 0409	---x ---- xxx- -xx- ----	3	5/7
Unnamed (Alaska Peninsula)	57.87 N	155.42 W	300	0002	U	**Lava dome**	1102-132	**Holocene**			
Martin (Alaska Peninsula)	58.172 N	155.361 W	1863	0003	DA	**Stratovolcano**	1102-14-	**Historical**			
						C-1750?	....	....	x--- ---- x--- x--- ----		
						C-0800t	....	....	x--- ---- x--- ---- ----		
(Kukak Bay ashfall probably from Martin)						@ 1951	0722	....	---- ---- x--- ---- ----		
(SW of Trident; probably Martin)						@ 1953	0217	....	---- ---- x--- ---- ----		
Mageik (Alaska Peninsula)	58.195 N	155.253 W	2165	0003	AD	**Stratovolcano**	1102-15-	**Radiocarbon**			
East Mageik						G-8670y	....	....	x--- ---- x--- ---- ----		
East Mageik						G-7380w	....	....	x--- ---- x--- ---- ----		
East Mageik						C-4400y	....	....	x--- ---- x--- ---- ----		
East Mageik (ODLF tephra)						C-1950v	....	....	x--- ---- x--- x--- ----		
East Mageik						C-1650?	....	....	x--- ---- x--- x--- ----		
East Mageik						C-0650?	....	....	x--- ---- x--- ---- ----		
East Mageik						C-0550?	....	....	x--- ---- x--- ---- ----		
Between East and Central Mageik						C-0500t	....	....	x--- ---- x-x- ---- ----		
						? 1927	*0826e*	....	---- ---- ?--- ---- ----	*2*	
						? 1929	*0819*	*?1929* *12*	---- ---- ?--- ---- ----	*2*	
						? 1936	*0704*	*?1936* *0705*	---- ---- ?--- ---- ----	*2?*	
						? 1946	....	....	---- ---- ?--- ---- ----	*2?*	
Trident (Alaska Peninsula)	58.236 N	155.10 W	1864	0003	AD	**Stratovolcano**	1102-16-	**Historical**			
						1913	09	....	---- ---- ---- ---- ----	1	
						1949	06	....	---- ---- ---- ---- ----		
(ash eruption, attrib. to Trident)						@ 1950	0702	@1950 0818	---- ---- x--- ---- ----	2?	
SW flank (1100 m)						1953	0215	1954 1005?	-x-- ---- x--- x-x- ----	3	8/7
(ash eruption, attrib. to Trident)						@ 1956	0908	@1956 0909	---- ---- x--- ---- ----	2	
SW flank						1957	....	1960 0810?	-x-- ---- x--- x--- ----	2	
SW flank (1100 m)						1961	0630?	....	-x-- ---- x--- ---- ----	2	
SW flank						1962	0609	1962 0609	-x-- ---- x--- ---- ----	3	
SW flank						1963	0401	1963 0403	-x-- ---- x--- ---- --x-	3	
SW flank						1963	1017	1963 1117?	-x-- ---- x--- ---- ----	3	
SW flank						1964	0531	....	-x-- ---- x--- ---- ----	3?	
SW flank						1966?	....	....	-x-- ---- ---- --x- ----		
SW flank						1967	0905	1968 0225	-x-- ---- x--- --x- ----	3*	
SW flank						1968	1113	1968 1113	-x-- ---- x--- ---- ----	3	
SW flank						1974	0715q	....	-x-- ---- x--- --x- ----	3	
Katmai (Alaska Peninsula)	58.280 N	154.963 W	2047	0003	ADbr	**Stratovolcano**	1102-17-	**Historical**			
						1912	0606	1912 0721>	x--- ---- x-xx ?--- ----	3	-/7
(eruption report not valid: Hildreth)						*X 1914*	*07*	....	---- ---- ---- ---- ----		
(eruption report not valid: Hildreth)						*X 1920*	*0309*	....	---- ---- ---- ---- ----		
(eruption report not valid: Hildreth)						*X 1921*	*1127*	....	---- ---- ---- ---- ----		
(eruption report not valid: Hildreth)						*X 1929*	*12*	....	---- ---- ---- ---- ----		
(eruption report not valid: Hildreth)						*X 1931*	*0508*	*X1931* *07*	---- ---- ---- ---- ----		
Novarupta (Alaska Peninsula)	58.27 N	155.157 W	841	0003	RDa	**Caldera**	1102-18-	**Historical**			
						1912	0606	1912 10 ?	x--- ---- xxxx ---- xxx-	6	7/10
(eruption report not valid: Hildreth)						*X 1949*	*0519*	....	---- ---- ---- ---- ----		
(eruption report not valid: Hildreth)						*X 1950*	*0705d*	....	---- ---- ---- ---- ----		
Griggs (Alaska Peninsula)	58.354 N	155.092 W	2317	0003	Ad	**Stratovolcano**	1102-19-	**Radiocarbon**			
						G-1790s	....	....	x--- ---- x--- ---- ----		
Snowy Mountain (Alaska Peninsula)	58.336 N	154.682 W	2162	0003	AD	**Stratovolcanoes**	1102-20-	**Radiocarbon**			
NE Snowy Mountain						G 1710x	....	....	x--- ---- x--- --x- ----		
Denison (Alaska Peninsula)	58.418 N	154.449 W	2287	0003	AD	**Stratovolcano**	1102-21-	Holocene?			
Steller (Alaska Peninsula)	58.43 N	154.40 W	2272	0003	AD	**Stratovolcano**	1102-22-	**Holocene**			
Kukak (Alaska Peninsula)	58.453 N	154.355 W	2043	0003	AD	**Stratovolcano**	1102-23-	**Fumarolic**			
Kaguyak (Alaska Peninsula)	58.608 N	154.028 W	901	0002	DArb	**Lava domes**	1102-25-	**Holocene**			
						C-4060w	....	....	x--- ---- xx-- --x- ----		
Kaguyak caldera						C-3850?	....	....	x--- ---- xx-x ---- ----	5	-/9
Fourpeaked (Alaska Peninsula)	58.770 N	153.672 W	2105	0003	A	**Stratovolcano**	1102-26-	**Historical**			
Fissure trending N from summit						2006	0917	2006 0917	--x- ---- x-x- ---- ----	2	
Douglas (Alaska Peninsula)	58.855 N	153.542 W	2140	0003	A	**Stratovolcano**	1102-27-	**Holocene**			
Augustine (Alaska-SW)	59.363 N	153.43 W	1252	0003	ADrby	**Lava domes**	1103-01-	**Historical**			
(tephra layer I)						C 0230x	....	....	x--- ---- x--- ---- ----		
(tephra layer H)						C 0510x	....	....	x--- ---- x--- ---- ----		
(tephra layer C)						C 0890w	....	....	x--- ---- x--- ---- ----		
(tephra layer M)						C 1200u	....	....	x--- ---- x--- ---- ----		
						G 1540v	....	....	x--- ---- xx-A --?- ---x	4?	
						T 1650v	....	....	x--- ---- ??-A ---- ----		
						1812	....	....	x--- ---- xx-- --x- ----	3?	
						1883	1006	1884?	x--- ---- xx-A ?-x- -xxx	4	8/8
(no 1902 eruption: Johnston 1979)						*X 1902*	....	....	---- ---- ---- ---- ----		
						? 1908	....	....	---- ---- ---- ---- ----		
						1935	0313	1935 0818	x--- ---- xx-- --x- --x-	3*	
						1963	1011	1964 0819	x--- ---- xx-- --x- --x-	2*	7/6
						1971	1007	1971 1008	x--- ---- x--- ---- ----	1	
						1976	0122?	1977 0514?	x--- ---- xx-- --x- -xx-	4*	7/8
						1986	0327	1986 0831	x--- ---- xx-- x-xx -xx-	4?	-/8
						2005	1209?	2006 0427?	x--- ---- xxx- x-x- --x-	3*	
Iliamna (Alaska-SW)	60.032 N	153.090 W	3053	0014	Ab	**Stratovolcano**	1103-02-	**Historical**			
						C-5050?	....	....	---- ---- x--- ---- ----	P	
Upper NE flank						C-2050?	....	....	-x-- ---- xx-- --x- --x-	P	
						C-0450?	....	....	---- ---- x--- ---- --x-		
						C 1650?	....	....	---- ---- xx-- ---- --x-		
						? 1768	....	....	---- ---- ---- ---- ----		
						1778	....	1779	---- ---- x--- ---- ----		
						? 1786	....	....	---- ---- ---- ---- ----		
						? 1793	....	....	---- ---- ---- ---- ----		
						? 1843	....	....	---- ---- x--- ---- ----		
						1867	....	....	---- ---- x--- ---- ----	2	
						1876	....	....	---- ---- x--- ---- ----	3	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Iliamna (Alaska-SW) *continued*																
										?	1933	0505	....	....		
										?	1947	06	....	....		
										?	1952	....	....	....		
										?	1953	0301	....	....		2?
		(steam plume, not eruption: Johnston)								X	1978	1107	X1978	1107		
		(steam plumes, not an eruption)								X	1987	0319	X1987	0502		
Redoubt (Alaska-SW)	60.485N	152.742W	3108		0015	ABdyr		Stratovolcano	1103-03-				Historical			
									C-5780w							
									T-4550y							
									C-2890u							
									C-1550w							
									T-1080w							
									T-0210x							
									C 0110t							
									T 1550t							
									T 1600t							
		(steaming, no ash emission)								X	1778	....	....			
										?	1819	....	....			
											1902	0118	....	....		3
										?	1933	0525	....	....		
		(water vapor emission)								X	1965	0129	X1965	02		
		North end of summit crater (2300 m)									1966	0124	1966	0220		3*
		North end of summit crater (2300 m)									1966	1007	1967	0115		3*
		North end of summit crater (2300 m)									1967	1206	1968	0428>		3*
		North end of summit crater (2470 m)									1989	1214	1990	0620?		3* 7/8
		South of 1990 dome									2009	0315	2009	0701p		3* 7/7
Spurr (Alaska-SW)	61.299N	152.251W	3374		0005	Adbr		Stratovolcano	1103-04-				Historical			
		Mt. Spurr central dome/cone complex							C-6050?							
		Mt. Spurr central dome/cone complex							C-5110v							
		South flank (Crater Peak)							T-4050?							
		Mt. Spurr central lava/cone complex							C-3250?							
		South flank (Crater Peak)							T 1650t							
		South flank (Crater Peak)									1953	0709	1953	0716		4
		(fumarolic activity only)								X	1954	....	....			
		South flank (Crater Peak)									1992	0627	1992	0917		4* -/8
Hayes (Alaska-SW)	61.640N	152.411W	3034		0003	D		Stratovolcano	1103-05-				Radiocarbon			
									T-1850?							
									T-1550?							5
									T 1200y							

ALASKA - W, E, & SE

St. Paul Island (Alaska-W)	57.18	N* 170.30	W	203	3333	XBr	Shield volcano	1104-01-	Radiocarbon						
		West side (Fox Hill)						C-1280s							7/-
		Several km SW of St. Paul						? 1943	....	....	....				
Nunivak Island (Alaska-W)	60.02	N* 166.33	W	511	0004	BX	Shield volcano	1104-02-	Holocene						
Ingakslugwat Hills (Alaska-W)	61.43	N* 164.47	W	190	0004	BXF	Cinder cones	1104-03-	Holocene						
St. Michael (Alaska-W)	63.45	N* 162.12	W	715	3334	BX	Shield volcanoes	1104-04-	Anthropology						
Kookooligit Mountains (Alaska-W)	63.60	N* 170.43	W	673	0034	BXf	Shield volcano	1104-05-	Holocene						
Imuruk Lake (Alaska-W)	65.60	N* 163.92	W	610	0000	B	Shield volcanoes	1104-06-	Radiocarbon						
		Lost Jim Cone						C 0300?	....	....	....				
Buzzard Creek (Alaska-E)	64.07	N	148.42	W	830	0025	B	Tuff rings	1105-001	Radiocarbon					
								C-1050?	....	....	....				2 -/6
Sanford (Alaska-E)	62.22	N	144.13	W	4949	0004	Abdr	Shield volcano	1105-01-	Holocene?					
Wrangell (Alaska-E)	62.00	N	144.02	W	4317	0004	AD	Shield volcano	1105-02-	Historical					
								C 0190x	....	....	....				C?
		(eruption possibly from Great Sitkin)						? 1784	07	....	....				2?
								? 1819	....	....	....				2?
								? 1884	1026	?1885	0204				2?
									1899	0903	....	....			2?
									1900	06 <	....	....			2?
		West Crater							1902	0715q	....	....			2
								? 1907	0401<	....	....				
									1911	0414	?1912	0914?			1
		North flank?						? 1921	0703	?1921	0703				
								? 1930	0630	....	....				
		West Crater							1969	08	....	....			1
									1999	0514	1999	0514			1
									2002	0801	2002	0802			1
Gordon (Alaska-E)	62.13	N	143.08	W	2755	0003	B	Cinder cones	1105-021	Holocene?					
Churchill (Alaska-E)	61.38	N	141.75	W	5005	0002	D	Stratovolcano	1105-03-	Radiocarbon					
								C 0060x	....	....	....				6 -/10
								G 0800v	....	....	....				6 -/10
Edgecumbe (Alaska-SE)	57.05	N	135.75	W	970	0044	ABRD	Stratovolcanoes	1105-04-	Radiocarbon					
									C-7220w	....	....	....			
									C-3810u	....	....	....			
									C-2220v	....	....	....			
Duncan Canal (Alaska-SE)	56.50	N* 133.10	W	15	0024	B	Volcanic field	1105-05-	Holocene						
Tlevak Strait-Suemez Is. (Alaska)	55.25	N* 133.30	W	50	0044	B	Volcanic field	1105-06-	Holocene						
Behm Canal-Rudyerd Bay (Alaska)	55.32	N* 131.05	W	500	0015	BAY	Cinder cones	1105-07-	Holocene?						

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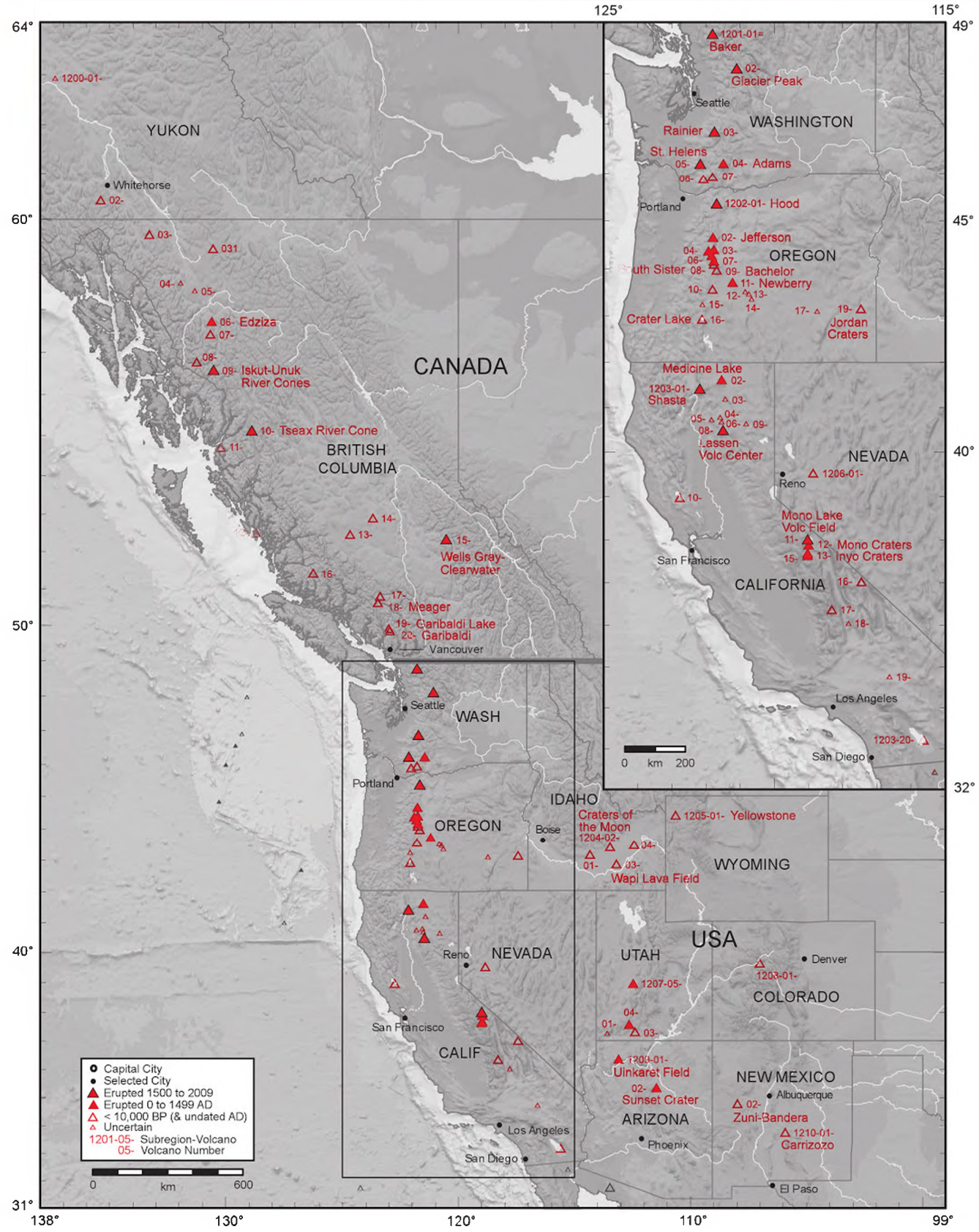
Canada & Western USA (12)



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This region was originally restricted to the United States by the organizers of the *CAVW*, but we added Canada (as subregion 1200) in our first edition. If we add the US volcanoes here (subregions 1201-1210) to those of Alaska and Hawaii, we find 52 historically active volcanoes, tying the US for third with Russia (behind Indonesia with 78 and Japan with 66) in this national ranking. If volcanoes in the Commonwealth of the Northern Marianas Islands and American Samoa, and the North Gorda Ridge volcanic segment about 200 km off the coast of Oregon are included, the number of US historically active volcanoes rises to 64, approaching Japan's total of 66.

Volcanoes of region 12 occupy tectonic environments ranging from the subduction volcanism that dominates the Cascade Range to the extensional tectonics controlling vast regions of the western interior, giving region 12 the largest number (and percent) of volcanoes consisting primarily of cinder cone fields. Only Mount St. Helens and Lassen volcanoes in this region have had unequivocal eruptions in the past century, although eruptions have occurred since 1800 AD at glacier-clad Baker, Rainier, and Hood volcanoes in the Cascade Range, and radiocarbon dates document eruptions in the 18th-19th centuries from the Tseax River and Iskut-Unuk River cinder cones in British Columbia.

Native American legends describe eruptions of Sunset Crater, Arizona, for many years dated to 1064-65 AD by tree-ring counts, but this precise date is now considered unreliable, and the eruption has been dated by paleomagnetism to the 2nd half of the 11th century. After the historic voyages of Columbus, Spain dominated exploration of North America in the 16th century, with the Grand Canyon first viewed by western eyes in 1540 and the Oregon coast only 4 years later. Permanent inland settlement of Santa Fe came in 1609, only 2 years after the first settlement on the east coast by the British. The founding of the Massachusetts Bay Colony in 1630 started the great emigration to eastern North America. Exploration of the west was slow, though, and it was not until the 1770s that Captain Cook closed the gap between Spaniards working north along the coast and Russians moving toward them from the far northwest. Cook brought publicity to the Pacific coast, and by the end of the century ships from 6 nations were busily trading furs along seacoasts that 20 years earlier had not been seen by Europeans. The first documented eruption in the region was California's Shasta, in 1786. By that year every other region in the world, except Antarctica, had documented at least one historical eruption, and over half of region 01's current list of historical volcanism had been recorded.

In the latter half of the 18th century, while the US was gaining independence in the east, the Rocky Mountains were being explored by the British and French. In 1805 Lewis and Clark sighted the Pacific, and the first historical eruptions of Mount St. Helens were witnessed by settlers in the 1830s. In 1841 the first wagon train reached the Oregon Territories, and in 1848 gold was discovered in California. It was not until the end of the Civil War, though, that westward emigration exploded: the first transcontinental railroad was completed in 1869, and by 1890 the US Census Bureau Director declared that the American frontier was at an end. The US Geological Survey was founded in 1879 and from 1926 through 1931 operated a volcano observatory at Lassen, following that volcano's 1914-17 eruption. The second confirmed Cascade eruption of the century, at Mount St. Helens, brought the founding of the Cascades Volcano Observatory in 1980, and observatories followed documenting volcanic unrest at the major silicic calderas of Long Valley and Yellowstone.

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL (km)	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year M-Dy — Stop Year M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
CANADA											
Fort Selkirk (Canada-Yukon)	62.93	N° 137.38 W	1239	1113	XBF	**Volcanic field**	1200-01-	Holocene?			
Alligator Lake (Canada-Yukon)	60.42	N° 135.42 W	2217	0025	BX	**Volcanic field**	1200-02-	**Holocene**			
Atlin Volc Field (Canada-B.C.)	59.68	N° 133.32 W	1880	0023	XBf	**Cinder cones**	1200-03-	**Holocene**			
? 1898							*1108*		----- ----- ?--- ----- -----		
Tuya Volc Field (Canada-B.C.)	59.37	N° 130.58 W	2123	0003	BF	**Volcanic field**	1200-031	**Holocene**			
Heart Peaks (Canada-B.C.)	58.60	N 131.97 W	2012	0003	BXRt	**Shield volcano**	1200-04-	Holocene?			
Level Mountain (Canada-B.C.)	58.42	N 131.35 W	2190	0003	TRBXP	**Shield volcano**	1200-05-	Holocene?			
Edziza (Canada-B.C.)	57.72	N 130.63 W	2786	0003	TBXRy	**Stratovolcano**	1200-06-	**Radiocarbon**			
North flank?						C-6520x			-?-- ----- ----- x--- -----		
						T-0750v			-x-- ----- ----- x--- -----		
NNE flank (Williams Cone)						C 0610w			-x-- ----- x--- x--- -----		
SW flank of Ice Peak						F 0950*			-x-- ----- x--- x--- -----	3	-/7
Spectrum Range (Canada-B.C.)	57.43	N 130.68 W	2430	0003	RTXB	**Shield volcano**	1200-07-	**Holocene**			
Hoodoo Mountain (Canada-B.C.)	56.78	N 131.28 W	1850	0004	PTb	**Subglacial volc**	1200-08-	**Tephrochronology**			
						T-7050?			xx-- ----- ----- x--- -----	0	
Iskut-Unuk River Cones (B.C.)	56.58	N° 130.55 W	1880	0003	B	**Cinder cones**	1200-09-	**Radiocarbon**			
Iskut River						C-6830w			x--- ----- x--- x--- -----		
Iskut River						C-4700y			x--- ----- ----- x--- -----		
Iskut River						C-3450w			x--- ----- ----- x--- -----		
Iskut River						C-1830y			x--- ----- ----- x--- -----		
Iskut River						C-0620w			x--- ----- x--- x--- -----		
Lava Fork						C 1590!			x--- ----- ----- x--- -----		
Lava Fork						C 1800?			x--- ----- ----- x--- -----		
Lava Fork						*? 1904*			x--- ----- ?--- ----- -----		
Tseax River Cone (Canada-B.C.)	55.12	N 128.90 W	609	0035	B	**Pyroclastic cone**	1200-10-	**Radiocarbon**			
						C 1330u			x--- ----- x--- x--- -----		
						G 1690w			x--- ----- x--- x--- xx--		8/-
Crow Lagoon (Canada-B.C.)	54.70	N 130.23 W	335	0035	B	**Pyroclastic cone**	1200-11-	**Holocene**			
Milbanke Sound Group (B.C.)	52.50	N° 128.73 W	335	3334	B	**Cinder cones**	1200-12-	**Holocene**			
Satah Mountain (Canada-B.C.)	52.47	N° 124.70 W	1921	2224	XBRTy	**Volcanic field**	1200-13-	**Holocene**			
Nazko (Canada-B.C.)	52.90	N 123.73 W	1230	1135	XB	**Cinder cones**	1200-14-	**Radiocarbon**			
						C-5220v			x--- ----- x--- x--- -----		
Wells Gray-Clearwater (B.C.)	52.33	N° 120.57 W	2015	3335	BX	**Cinder cones**	1200-15-	**Dendrochronology**			
Dragon Cone						C-5650?			x--- ----- x--- x--- -----		
Kostal Cone						D 1550?			x--- ----- x--- x--- -----		
Silverthrone (Canada-B.C.)	51.43	N 126.30 W	3160	1124	ARD	**Caldera**	1200-16-	**Holocene**			
Bridge River Cones (Canada-B.C.)	50.80	N° 123.40 W	2500	2235	BX	**Volcanic field**	1200-17-	**Holocene**			
Meager (Canada-B.C.)	50.63	N 123.50 W	2680	1335	DAb	**Complex volcano**	1200-18-	**Radiocarbon**			
NE flank of Plinth Peak						C-0400!			-x-- ----- xx-- x-x- --x-	5?	
Garibaldi Lake (Canada-B.C.)	49.92	N° 123.03 W	2316	4457	ABdy	**Volcanic field**	1200-19-	**Holocene**			
Garibaldi (Canada-B.C.)	49.85	N 123.00 W	2678	0257	DA	**Stratovolcano**	1200-20-	**Radiocarbon**			
SE flank (Opal Cone)						C-8060z			-x-- ----- x--- x--- -----	3?	9/7

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
USA - W COAST STATES																		
Baker (US-Washington)	48.777 N	121.813 W	3285	0247		ADb			**Stratovolcanoes**	1201-01=	**Historical**							
South flank (Schreibers Meadow Cone)									G	-7850?						-x-- ---- ---- x--- --x-		8/-
Sherman Crater?									G	-4550?						x--- ---- xx-- x--- --x-	3?	-/7
(eruption possibly from Glacier Peak)									?	*1792*	*06*					---- ---- ?--- ---- ----	2	
										1820?						x--- ---- x--- ---- ----	2	
Sherman Crater										1843						x--- ---- x--- ---- --x-	3?	
(possibly confused with 1843 eruption									?	*1846*						x--- ---- ?--- ---- ----		
Sherman Crater									?	*1850*	*03*					x--- ---- ---- ---- ----		
Sherman Crater										1852	1201p	1853	01 ?			x--- ---- ?--- ---- --?-	2	
Sherman Crater										1854						x--- ---- x--- ---- ----	2	
Sherman Crater									?	*1856*						x--- ---- ---- ---- ----		
Sherman Crater										1858						x--- ---- x--- ---- ----	2	
Sherman Crater										1859	11	1860	0426?			x--- ---- x--- ---- ----	2	
Sherman Crater									?	*1860*	*12*					x--- ---- ---- ---- ----		
Sherman Crater										1863	07					x--- ---- x--- ---- ----	2	
Sherman Crater									?	*1865*						x--- ---- ---- ---- ----		
Sherman Crater									?	*1867*	*03*					x--- ---- ---- ---- ----		
Sherman Crater									?	*1869*	*06*					x--- ---- ---- ---- ----		
Sherman Crater										1870						x--- ---- x--- ---- ----	2	
Sherman Crater										1880	0907	1880	1127			x--- ---- x--- ---- ----	2	
Sherman Crater									?	*1884*						x--- ---- ---- ---- ----		
Glacier Peak (US-Washington)	48.112 N	121.113 W	3213	0027		DAb			**Stratovolcano**	1201-02-	**Tephrochronology**							
(White Chuck cone is Pleistocene)										*X-7350**						---- ---- ---- ---- ----		
									C	-3550?						x--- ---- xx-- --x- --x-		
									C	-3150?						x--- ---- xx-- --x- --x-		
									C	-0850?						x--- ---- x-?- --?- --x-		
									C	0200t						x--- ---- xx-- --x- --x-	4+	-/8
									C	0900t						x--- ---- xx-- --x- --x-	3?	-/8
									?	*1300y*						---- ---- ?--- ---- --x-		
									T	1700v						x--- ---- x--- ---- --x-	2	
Rainier (US-Washington)	46.853 N	121.760 W	4392	0347		Ad			**Stratovolcano**	1201-03-	**Historical**							
(tephra layer R)									G	-8050?						x--- ---- x--- ---- ----	3	-/7
									G	-7800y						x--- ---- x--- ---- --x-		
(tephra layer A)									G	-5550?						x--- ---- xx-- ---- ----	2	-/6
(tephra layer L)									G	-5350?						x--- ---- x--- ---- --x-	3	-/7
(tephra layer D)									G	-5050?						x--- ---- x--- ---- ----	3	-/7
(tephra layer N)									G	-4850?						x--- ---- xx-- ---- --x-	2	-/6
									G	-3850x						x--- ---- x--- ---- --x-		
(tephra layers S, F)									G	-3650?						x--- ---- x-xA ---- --x-	3	-/7
(tephra layer H)									C	-2750?						x--- ---- x--- ---- ----	2	-/6
(tephra layer B)									C	-2550?						x--- ---- x--- ---- ----	3	-/7
(tephra layer SL1)									T	-0700t						x--- ---- x?-- ?--- --x-		
(tephra layer SL2)									T	-0650t						x--- ---- x?-- ?--- ----		
(tephra layers SL3 and SL4)									G	-0610v						x--- ---- xx-- x--- ----		
(tephra layer SL5)									T	-0500t						x--- ---- x--- x--- ----		
									T	-0400t						x--- ---- x-x- ---- ----		
(tephra layer C)									G	-0250x						x--- ---- x--- ---- --x-	4	-/8
(tephra layer SL8)									T	-0150?						x--- ---- x--- x--- ----		
(tephra layers TC1 and TC2)									G	0440v						x--- ---- x--- ---- --x-		
									G	0910z						x--- ---- xx-- ---- --x-		
									G	1450v						x--- ---- ?--- ---- --x-		
(tephra layer X not a primary tephra)									*X*	*1825?*						---- ---- ---- ---- ----		
									?	*1843*						x--- ---- ?--- ---- ----	*2*	
									?	*1854*						x--- ---- ?--- ---- ----	*2*	
									?	*1858*						x--- ---- ?--- ---- ----	*2*	
									?	*1870*						x--- ---- ?--- ---- ----	*2*	
									?	*1879*						x--- ---- ?--- ---- ----	*2*	
									?	*1882*						x--- ---- ?--- ---- ----	*2*	
										1894	1121	1894	1224			x--- ---- x-x- ---- ----	1	
Adams (US-Washington)	46.206 N	121.490 W	3742	0246		ABd			**Stratovolcano**	1201-04-	**Tephrochronology**							
(tephra layers 1-4)									T	-7050*						---- ---- x--- ---- ----	2	
(tephra layers 5-9)									T	-5150z						---- ---- x--- ---- ----	2	
NW flank (2200-2400 m), tephra layer 10									T	-4550?						-x-- ---- x--- x--- ----	2	8/-
Upper SW flank? (tephra layers 11-13)									T	-4050z						-x-- ---- x-xA ---- --x-	2	
NNE flank (2100-2250 m)									T	-3800*						--x- ---- x--- x--- ----	1?	8/-
(tephra layer 14)									T	-3550?						x--- --x- x--- ---- ----	2	
(tephra layer 15)									T	-3250y						---- ---- x-x- ---- ----	2	
SSE flank (2600 m), tephra layer 16									T	-2950v						-x-- ---- x--- x--- ----	1?	5/-
(tephra layers 17-18)									T	-2650y						---- ---- x-x- ---- ----	2	
SSE flank (2100 m)									T	-1850>						--x- ---- x--- x--- ----	1?	7/-
(tephra layers 19-20)									T	-0550*						---- ---- x-x- ---- ----	2	
(tephra layer 21)									T	-0400?						---- ---- x--- ---- ----	2	
(tephra layer 22)									T	-0300?						---- ---- x-x- ---- ----	2	
(tephra layer 23)									T	0200?						---- ---- x-x- ---- ----	2	
East flank? (tephra layer 24)									T	0950?						-?-- ---- x--- ?--- ----	2	
St. Helens (US-Washington)	46.20 N	122.18 W	2549	2347		DABXY			**Stratovolcano**	1201-05-	**Historical**							
(Smith Creek eruptive period-layer Yb)									G	-2340?						---- ---- xx-- ---- ----	5	-/9
(tephra layer Yd)									T	-2100y						---- ---- x--- ---- ----		
(tephra layer Yn)									G	-1860?						---- ---- xx-- --x- --x-	6	-/10
(tephra layer Ye)									T	-1770v						---- ---- xx-- --x- ----	5	-/9
(tephra layer ya)									G	-1680?						---- ---- xx-- ---- ----		
(Smith Creek eruptive period)									G	-1610?						---- ---- xx-- --x- --x-		
(Pine Creek eruptive period-layer Pm)									G	-1180?						---- ---- xx-- --x- --x-		
(Pine Creek eruptive period)									G	-1100?						---- ---- xx-- --x- --x-		
(Pine Creek eruptive period)									G	-1010?						---- ---- xx-- --x- --x-		
(Pine Creek eruptive period)									C	-0830u						---- ---- xx-- --x- --x-		
(Pine Creek eruptive period)									G	-0800?						---- ---- xx-- --x- --x-		
(Pine Creek tephra layers Ps and Pu)									G	-0530?						---- ---- xx-- --x- --x-	5	-/9
(Castle Creek erupt. period--layer Bh)									G	-0280?						---- ---- xx-- x--- ----		
(tephra layer Bo)									T	-0250?						---- ---- x--- x--- --x-		
NNE flank (Dogs Head, layer Bd)									G	-0220?						-x-- ---- xx-- --x- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	Area of Activity	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Summit crater / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
St. Helens (US-Washington) *continued*								(Castle Creek eruptive period)	G	-0100?				----- ----- xx-- ----- -----		
								SW flank (Cave basalts)	G	0100?				-x-- ----- ----- x---- -----	0	
								Lower E flank (East Dome; layer Bi)	G	0190?				-x-- ----- x---- --x- -----		
								(Castle Creek eruptive period)	T	0230?				----- ----- ----- x---- -----	0	
								(tephra layer Bu)	G	0270?				----- ----- x---- x---- -----		
								(Castle Creek eruptive period)	G	0420?				x---- ----- x---- ----- --x-		
								NE flank (Sugar Bowl)	C	0780y				-x-- ----- xx-- --x- --x-		
								(Kalama eruptive period, tephra Wn)	D	1480	0115u			x---- ----- xx-- --x- --x-	5+	-/9
								(tephra layer We)	D	1482	0115u			x---- ----- x---- ----- -----	5	-/9
								(Kalama eruptive period, tephra set X)	D	1525q				x---- ----- xx-- x---- --x-		
								Pre-1980 summit dome (tephra layer z)	G	1610s				x---- ----- xx-- --x- --x-		8/-
								N flank--Goat Rocks area (layer T)	D	1800	0115u			-x-- ----- x---- x---- x-x-	5	-/9
								North Flank (Goat Rocks area)		1831	08			-x-- ----- x---- ?-?- -----	3	
								North flank (Goat Rocks area)		1835	03 ?			-x-- ----- x---- ?-?- -----	2	
								North flank (Goat Rocks)		1842	1122	1845	0918?	-x-- ----- xx-- --x- -----	3	-/7
								North flank (Goat Rocks)		1847	0326	1847	0330	-x-- ----- x---- --?- -----	2	
										1848	0401<			----- ----- ?---- ----- -----	2?	
								North flank	?	*1849*				-x-- ----- ?---- ----- -----	*2?*	
								North flank		1850	03	1850	05 ?	-x-- ----- x---- ----- -----	2?	
								North flank		1853	0315e	1853	08 ?	-x-- ----- x---- ----- -----	2?	
								North flank		1854	02	1854	04	-x-- ----- x---- ----- -----	2	
										1857	04			----- ----- x---- ----- -----	2	
									?	*1898*	*0405*			----- ----- ----- ----- -----		
									?	*1903*	*0915*			----- ----- --?- ----- -----		
									?	*1921*	*0318*			----- ----- ----- ----- -----		
								Summit and north flank		1980	0327	1986	1028c	xx-- --x- xxxA --xx xxx-	5*	7/9
								North side of lava dome		1989	1207	1990	0106	x---- ----- x-x- ----- -----	2*	
								North side of lava dome		1990	1105	1991	0214	x---- ----- xxx- ----- --x-	3?	
								South of 1980-1986 lava dome		2004	1001	2008	0127j	xx-- ----- x-x- --xx --x-	2	7/-
West Crater (US-Washington)	45.88	N° 122.08	W 1329	3357		AB		**Volcanic field**		1201-06-		**Radiocarbon**				
								West Crater, Hackamore Creek cone		C-6110?				---x ----- x---- x---- -----	2?	
								Bare Mountain		C-5750?				x--x ----- x-x- ----- -----	2?	
Indian Heaven (US-Washington)	45.93	N° 121.82	W 1806	3347		BA		**Shield volcanoes**		1201-07-		**Radiocarbon**				
								Big Lava Bed		C-6250v				---x ----- x---- x---- -----		8/-
Hood (US-Oregon)	45.374	N 121.695	W 3426	0347		Ad		**Stratovolcano**		1202-01-		**Historical**				
								Lower NE flank (SSW of Parkdale)		C-4940w				-x-- ----- x---- x---- -----	2	
								Upper SW flank (Crater Rock)		C 0300x				-x-- ----- xx-- ----- --x-		
								Upper SW flank (Crater Rock)		C 0510w				-x-- ----- xx-- ----- -----		
								Upper SW flank (Crater Rock)		C 1390w				-x-- ----- x---- ----- --x-		
								Upper SW flank (Crater Rock)		D 1765e				-x-- ----- xx-- --x- --x-		
								Upper SW flank (Crater Rock)		D 1795e		D1805e		-x-- ----- xx-- --x- --x-		
									?	*1853*				----- ----- ?---- ----- -----		
									?	*1854*	*08*			----- ----- ----- ----- -----		
										1859	0815	1859	0817	----- ----- x---- ----- -----	2	
										1865	0921	1866	01 ?	----- ----- x---- ----- -----	2	
									?	*1869*				----- ----- ----- ----- -----		
								Upper SW flank (Crater Rock)	?	*1907*	*0828*			-x-- ----- ----- --?- ----- -----		
Jefferson (US-Oregon)	44.674	N 121.800	W 3199	0036		ADb		**Stratovolcano**		1202-02-		**Varve Count**				
								SSE of Jefferson (Forked Butte)		V-4500t				-x-- ----- x---- x---- -----		
								S of Jefferson (South Cinder Peak)		V 0950?				-x-- ----- x---- x---- -----		
Blue Lake Crater (US-Oregon)	44.411	N 121.774	W 1230	2346		B		**Maar**		1202-03-		**Radiocarbon**				
										G 0680x				---x ----- x---- ----- -----		
Sand Mountain Field (US-Oregon)	44.38	N° 121.93	W 1664	2246		BA		**Cinder cones**		1202-04-		**Radiocarbon**				
								Nash Crater and other cones		G-2290y				---x ----- x---- x---- -----	2?	
								North and south of Sand Mountain		G-1740y				---x ----- x---- ----- -----	2?	
								North Sand Mtn and other cones		G-0900v				---x ----- x---- x---- -----	2?	
								Nash Crater		G-0800y				---x ----- x---- ----- -----	2?	
								Lost Lake cones		G 0070w				---x ----- x---- x---- -----	2?	
Belknap (US-Oregon)	44.285	N 121.841	W 2095	0046		AB		**Shield volcanoes**		1202-06-		**Radiocarbon**				
								Little Belknap		G-1030y				-x-- ----- ----- x---- -----	0	
								South Belknap and Twin Craters		G-0800y				---x ----- x---- x---- -----	2?	
								Belknap Crater		G 0480?				xx-- ----- x---- x---- -----	2?	
North Sister Field (US-Oregon)	44.17	N 121.77	W 3074	0046		ABDR		**Complex volcano**		1202-07-		**Radiocarbon**				
								Sims Butte		T-7350*				-x-- ----- x---- x---- -----	2?	
								Yapoah Cone		T-0800?				---x ----- x---- x---- -----	2?	
								Four-in-One Cone		G 0040x				---x ----- x---- x---- -----	2?	
								Collier Cone		G 0440w				-x-- ----- x---- x---- -----	2?	8/-
South Sister (US-Oregon)	44.103	N 121.768	W 3157	0046		ADbr		**Complex volcano**		1202-08-		**Radiocarbon**				
								SW flank (Rock Mesa)		C-0350?				-x-- ----- xx-- x-x- --x-	4	8/8
								North & south flanks (Devils Hill)		C-0050?				-x-x ----- xx-- x-x- --x-	3	8/7
									?	*1853*	*07*			x---- ----- ?---- ----- -----		
Bachelor (US-Oregon)	43.979	N 121.688	W 2763	2256		AB		**Stratovolcano**		1202-09-		**Tephrochronology**				
								North flank (Egan cone)		M-5800*				-x-- ----- x---- x---- -----		
Davis Lake (US-Oregon)	43.57	N° 121.82	W 2163	4446		A		**Volcanic field**		1202-10-		**Radiocarbon**				
								S flank of Hamner Butte (Black Rock)		C-2790?				-x-- ----- x---- x---- -----		
Newberry (US-Oregon)	43.722	N 121.229	W 2434	0056		ADBR		**Shield volcano**		1202-11-		**Radiocarbon**				
								South and east caldera rim		G-9210*				x---- ----- x---- x-x- -----		
								NW rift zone (Lava Cast Forest)		G-5260w				--x- ----- ----- x---- -----	0	6/-
								Lower NW rift zone (Lava Butte)		G-5070w				--x- ----- x---- x---- -----	3	8/7
								East Lake fissure, south flank		G-4960v				--x- ----- ----- x---- -----		5/-
								NW rift zone (Forest Road flow)		G-4860w				--x- ----- ----- x---- -----	0	6/-
								NW rift zone (Sugarpine Butte)		G-4770u				--x- ----- x---- x---- -----		7/-
								NW rift zone (Lava Cascade flow)		G-4690w				--x- ----- ----- x---- -----	0	7/-
								Center, N & S caldera, upper SE flank		H-4450?				x---- ----- x---- x---- -----		7/-
								South of East Lake		H-1450?				x---- ----- x---- x---- -----		7/-
								South caldera wall		G 0490v				x---- ----- x---- ----- -----	4	-/8
								S caldera wall (Big Obsidian Flow)		G 0690v				x---- ----- xx-- x---- -----	4	8/8
Devils Garden (US-Oregon)	43.512	N° 120.861	W 1698	2236		B		**Volcanic field**		1202-12-		Holocene?				
Squaw Ridge Lava Field (Oregon)	43.472	N° 120.754	W 1711	2236		B		**Volcanic field**		1202-13-		Holocene?				
Four Craters Lava Field (Oregon)	43.361	N° 120.669	W 1501	3336		B		**Volcanic field**		1202-14-		Holocene?				
Cinnamon Butte (US-Oregon)	43.241	N° 122.108	W 1956	3335		B		**Cinder cones**		1202-15-		Holocene?				

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Center / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Crater Lake (US-Oregon)	42.93 N	122.12 W	2487	2236	DAb	**Caldera**	1202-16-		**Radiocarbon**				
North flank (Llao Rock)							G-5900t				-x-- ---- x--- x--- ----	6	8/10
Mt. Mazama summit and flank vents							I-5677w	1015q			xx-- ---- xx-x x--- ----	7	8/11
Central Platform							T-5550?				x--- ---x ---- x-x- ----	0	9/-
Wizard Island and Merriam Cone							T-5250?				x--- ---x x--- x--- ----		
Lava dome ENE of Wizard Island							G-2850?				x--- ---x x--- --x- ----		7/-
Diamond Craters (US-Oregon)	43.10 N*	118.75 W	1435	2234	B	**Volcanic field**	1202-17-		Holocene?				
Jordan Craters (US-Oregon)	43.147 N	117.460 W	1473	0026	BR	**Volcanic field**	1202-19-		**Radiocarbon**				
Coffeepot Crater							C-1250?				x-x- ---- x-x- xx-- ----	2?	9/-
Shasta (US-California)	41.409 N	122.193 W	4317	0256	ADb	**Stratovolcano**	1203-01-		**Historical**				
							T-8050?				x--- ---- xx-- ---- ----		
							C-7750?				x--- ---- xx-- ---- --x-		
Summit, S flank (Red Banks), and Shastina							C-7650v				xx-- ---- xx-- x--- ----	4	-/8
Shastina and Black Butte							C-7420y				-x-- ---- xx-- --x- ----		
Summit, north and west flanks							T-7350?				xx-- ---- ---- x--- ----	0	
							T-7250?				x--- ---- x--- x--- ----		
							T-6650?				x--- ---- xx-- ---- --x-		
							C-6050?				x--- ---- x?-- ---- --x-		
							C-4050?				x--- ---- xx-- ---- --x-		
							T-3050*				x--- ---- ---- x--- ----	0	
							C-2550?				x--- ---- x--- ---- --x-		
							C-2050?				x--- ---- x--- ---- --x-		
							C-1150?				x--- ---- x--- ---- --x-		
							C-0850?				x--- ---- xx-- ---- --x-		
							C-0650*				x--- ---- xx-- ---- --x-		
							T-0550z				x--- ---- xx-- x-x- ----		
							C-0150?				x--- ---- xx-- ---- ----		
							T 0050?				x--- ---- ---- x--- ----	0	
							C 0150?				x--- ---- xx-- ---- --?-		
							C 0850?				x--- ---- xx-- ---- ----		
							C 1200?				x--- ---- x--- ---- --x-		
							C 1250?				x--- ---- xx-- ---- ----		
							1786				x--- ---- xx-- ---- --x-	3	
Medicine Lake (US-California)	41.611 N	121.554 W	2412	0036	BARd	**Shield volcano**	1203-02-		**Radiocarbon**				
SE caldera rim							C-2410v				x--x ---- x--- x--- ----		7/-
Lower north flank (Black Crater)							C-1080t				-x-x ---- ---- x--- ----	0	6/-
SE flank (Burnt Lava flow)							C-0780v				-x-x ---- x--- x--- ----		8/-
NW caldera floor (Medicine lava flow)							M-0050?				x--- ---- ---- x--- ----	0	7/-
NE caldera rim (Mt. Hoffman area)							M 0720?				x--x ---- x--- x--- ----		8/-
North flank (Callahan lava flow)							M 0800?				-x-x ---- x--- x--- ----		8/-
SW flank (Paint Pot Crater)							T 0830q				-x-x ---- x--- x--- ----		7/-
SW flank (Little Glass Mountain)							C 0890v				-x-x ---- x--- x-x- ----	3	8/7
Upper east flank (Glass Mountain)							M 1080q				-x-x ---- x--- x-x- ----	3?	9/7
East flank (Glass Mountain ?)							*? 1910*	*01*			-?-- ---- --?- ---- ----	*1?*	
Brushy Butte (US-California)	41.178 N	121.443 W	1174	0345	B	**Shield volcano**	1203-03-		Holocene?				
Twin Buttes (US-California)	40.777 N*	121.591 W	1631	4446	BD	**Cinder cones**	1203-04-		Holocene?				
Silver Lake (US-California)	40.731 N	121.841 W	1535	0346	B	**Cinder cones**	1203-05-		Holocene?				
Tumble Buttes (US-California)	40.68 N*	121.55 W	2191	3346	A	**Cinder cones**	1203-06-		Holocene?				
Lassen Volc Center (California)	40.492 N	121.508 W	3187	0146	ADRb	**Stratovolcano**	1203-08-		**Historical**				
Chaos Crags							G 0800y				-x-- ---- xx-- --x- ----		
Chaos Crags							G 0880y				-x-- ---- xx-- --x- ----		
Chaos Crags							G 0980y				-x-- ---- xx-- --x- ----		
Chaos Crags							*? 1650?*				-x-- ---- --?A --?- ----		
Cinder Cone							D 1666?				xx-- ---- x--- x--- ----	3?	
(Cinder Cone eruption predates 1850)							*X 1850*	*08*	*X1851*		---- ---- ---- ---- ----		
Lassen Peak							1914	0530	1917	0629	x--- ---- xxx- x-x- -xx-	3*	
Eagle Lake Field (US-California)	40.63 N*	120.83 W	1652	3355	BAr	**Fissure vents**	1203-09-		Holocene?				
Clear Lake (US-California)	38.97 N*	122.77 W	1439	5557	DARb	**Volcanic field**	1203-10-		**Holocene**				
Mono Lake Volc Field (California)	38.00 N*	119.03 W	2121	4445	DRB	**Cinder cones**	1203-11-		**Tephrochronology**				
							T 0350v				---- ---x ---- x--- ----		
Paoha Island							H 1150x				---- ---- ---- --x- ----		
Negit Island							T 1550y				---- ---- ---- x--- ----		
Paoha Island							T 1790u				---- ---- ---- --x- ----		
(South Mono Lake, uncorroborated)							*? 1890*	*0823?*	*?1890*	*0823?*	---- ---- --?- ---- ----		
Mono Craters (US-California)	37.88 N	119.00 W	2796	2345	Rd	**Lava domes**	1203-12-		**Radiocarbon**				
Punchbowl							H-6750*				---- ---- ---- --x- ----		
Crater north of Punchbowl							H-3850*				---- ---- ---- ---- ----		
Central Mono Craters							H-0700*				---- ---- ---- --x- ----		
South Coulee?							G 0010x				---- ---- x--- ---- ----		
South Coulee?							G 0320x				---- ---- x--- ---- ----		
Southern Mono Craters							C 0440v				---- ---- xx-- ---- ----		
NW Coulee and Pumice Pit dome							C 0490v				---- ---- xx-- x-x- ----		
South Coulee							T 0700?				---- ---- xx-- x-x- ----		8/-
Northern Mono Craters?							G 0810y				---- ---- xx-- ---- ----	4	-/8
Dome on NW edge of NW Coulee							H 1000x				---- ---- x--- --x- ----		
Panum Crater and nearby vents							D 1350p				---- ---- xx-- x-x- ----	4	8/8
Inyo Craters (US-California)	37.692 N	119.02 W	2629	3445	Rdxy	**Lava domes**	1203-13-		**Radiocarbon**				
North of Deadman Creek							H-4050?				---- ---- ---- --x- ----		7/-
Wilson Butte							C 0600u				---- ---- xx-- --x- ----	4?	7/7
S Deadman, Obsidian Flow, Glass Creek							G 1380t				---x ---- xxx- x-x- --x-	4	8/8
Mammoth Mountain (California)	37.631 N	119.032 W	3369	4445	TXYbr	**Lava domes**	1203-15-		**Radiocarbon**				
SSW of Mammoth Mtn (Red Cones)							C-6990u				x--x ---- x--- x--- ----		
North flank of Mammoth Mountain							G 1260s				---x ---- --x- ---- ----		
Ubehebe Craters (US-California)	37.02 N	117.45 W	752	2235	B	**Maars**	1203-16-		**Anthropology**				
							A-4050?				x--- ---- xx-- ---- ----		
Golden Trout Creek (California)	36.358 N*	118.32 W	2886	1136	B	**Volcanic field**	1203-17-		**Tephrochronology**				
Groundhog Crater							T-5550*				x--- ---- x--- x--- ----		
Coso Volc Field (US-California)	36.03 N*	117.82 W	2400	3335	RBDA	**Lava domes**	1203-18-		Holocene?				
Lavic Lake (US-California)	34.75 N*	116.625 W	1495	4447	B	**Volcanic field**	1203-19-		Holocene?				

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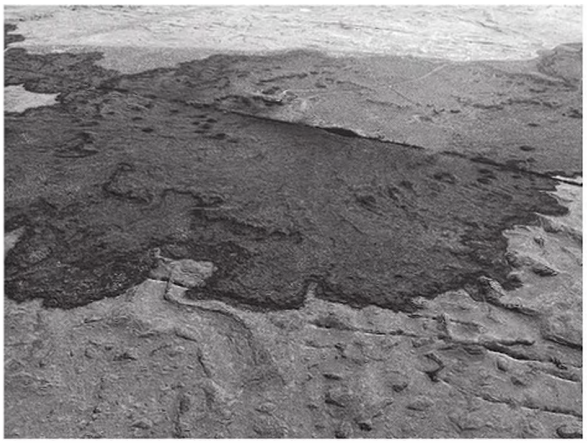
VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5km	30	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Salton Buttes (US-California)	33.20 N	115.62 W	-40	3357			R	**Lava domes**	1203-20-		**Hydration Rind**				
		Obsidian Butte						H-6450?					x--- ---- x--- --xx ----		
Unnamed (US-Calif-SW of)	32.50 N	119.13 W							1203-21-		Not a Volcano				
		(invalid submarine eruption report)						*X 1853?*					---- ---- ---- ---- ----		
USA - WESTERN INTERIOR															
Shoshone Lava Field (US-Idaho)	43.18 N	114.35 W	1478	3346			B	**Shield volcano**	1204-01-		**Holocene**				
								C-8400y					---x ---- ---- x--- ----	0	
Craters of the Moon (US-Idaho)	43.42 N*	113.50 W	2005	2245			BXY	**Cinder cones**	1204-02-		**Radiocarbon**				
		NW of Echo Crater						C-5890w					---x ---- ---- x--- ----	0	9/-
		Grassy Cone						C-5470w					---x ---- ---- x--- ----	0	9/-
		Silent Cone						C-4600v					---x ---- ---- x--- ----	0	9/-
		Sentinel Cone						T-4250?					---x ---- ---- x--- ----	0	8/-
		Big Cinder Butte and vents to the SE						C-4070t					---x ---- ---- x--- ----	0	9/-
		Black Top Butte						C-2560v					---x ---- ---- x--- ----	0	9/-
		Vermillion Chasm to Minidoka-Larkspur						C-1680w					---x ---- ---- x--- ----	0	9/-
		North Crater						M-0350?					---x ---- ---- x--- ----	0	8/-
		Big Craters, Trench Mortar Flat						C-0260q					---x ---- ---- x--- ----	0	7/-
		South of Big Craters, near Broken Top						C-0130t					---x ---- ---- x--- ----	0	9/-
Wapi Lava Field (US-Idaho)	42.88 N*	113.22 W	1604	1146			B	**Shield volcano**	1204-03-		**Radiocarbon**				
		Kings Bowl Rift, Wapi Lava Field						T-0300?					---x ---- --x- x--- ----	2?	9/-
Hell's Half Acre (US-Idaho)	43.50 N	112.45 W	1631	0356			B	**Shield volcano**	1204-04-		**Radiocarbon**				
								C-3250w					---x ---- ---- x--- ----	0	
Yellowstone (US-Wyoming)	44.43 N	110.67 W	2805	0035			Rb	**Calderas**	1205-01-		**Tephrochronology**				
		Turbid Lake (NE of Yellowstone Lake)						G-7400*					x--- ---- --x- ---- ----		
		Elliott's Crater (Yellowstone Lake)						T-6050?					x--- ---- --x- ---- ----		
		Duck Lake, Evil Twin Craters (West Thumb)						T-3050?					x--- ---- --x- ---- ----		
		Indian Pond crater (N of Yellowstone Lake)						G-1350x					x--- ---- --x- ---- ----		
Soda Lakes (US-Nevada)	39.53 N	118.87 W	1251	4556			B	**Maars**	1206-01-		**Holocene**				
Santa Clara (US-Utah)	37.257 N*	113.625 W	1465	5566			XA	**Volcanic field**	1207-01-		Holocene?				
Bald Knoll (US-Utah)	37.328 N	112.408 W	2135	1246			B	**Cinder cones**	1207-03-		**Holocene**				
Markagunt Plateau (US-Utah)	37.58 N*	112.67 W	2840	3346			BAtr	**Volcanic field**	1207-04-		**Dendrochronology**				
								D 1050<					---- ---- ---- x--- ----		
Black Rock Desert (US-Utah)	38.97 N*	112.50 W	1800	4445			BAr	**Volcanic field**	1207-05-		**Radiocarbon**				
		Ice Springs Craters						C 1290w					x--- ---- x--- x--- ----		
Dotsero (US-Colorado)	39.661 N	107.035 W	2230	3456			B	**Maar**	1208-01-		**Radiocarbon**				
								C-2200y					x--- ---- x--- x--- --x-	2?	
Uinkaret Field (US-Arizona)	36.38 N*	113.13 W	1555	2236			Xb	**Volcanic field**	1209-01-		**Anthropology**				
		Little Springs						A 1100u					---x ---- x--- x--- -x--	1	6/-
Sunset Crater (US-Arizona)	35.37 N*	111.50 W	2447	5556			BYTDR	**Cinder cone**	1209-02-		**Dendrochronology**				
		Sunset Crater and SE-trending fissures						M 1075q					x--x ---- x--- x--- -x--	4?	8/-
Carrizozo (US-New Mexico)	33.78 N	105.93 W	1731	1245			B	**Cinder cones**	1210-01-		**Surface Exposure**				
		Little Black Peak						E-3250z					x--- ---- x--- x--- ----		9/-
Zuni-Bandera (US-New Mexico)	34.80 N*	108.00 W	2550	2235			B	**Volcanic field**	1210-02-		**Anthropology**				
		Bandera Crater						G-8710y					---- ---- x--- x--- ----		
		McCartys flow						G-1170y					---- ---- x--- x--- ----	0	9/-

Steve Schilling (USGS/CVO)

An aerial view of the Mount St. Helens crater and its new lava dome in February 2005 shows a smooth-textured "whaleback" feature formed by slow dome extrusion. This new episode of dome growth took place from 2004-2008, occasionally puncuated by minor explosive eruptions. The previous 1980-1986 lava dome is visible at the lower left.



Susan Sakimoto (NASA)

The Kings Bowl rift cutting diagonally across the top of the photo produced a small 6 km² lava field about 2250 years ago immediately north of the much larger Wapi Lava Field in Idaho. Kings Bowl itself is the small elongated phreatic explosion crater on the right-center of the rift that produced the light-colored tephra at the upper right.

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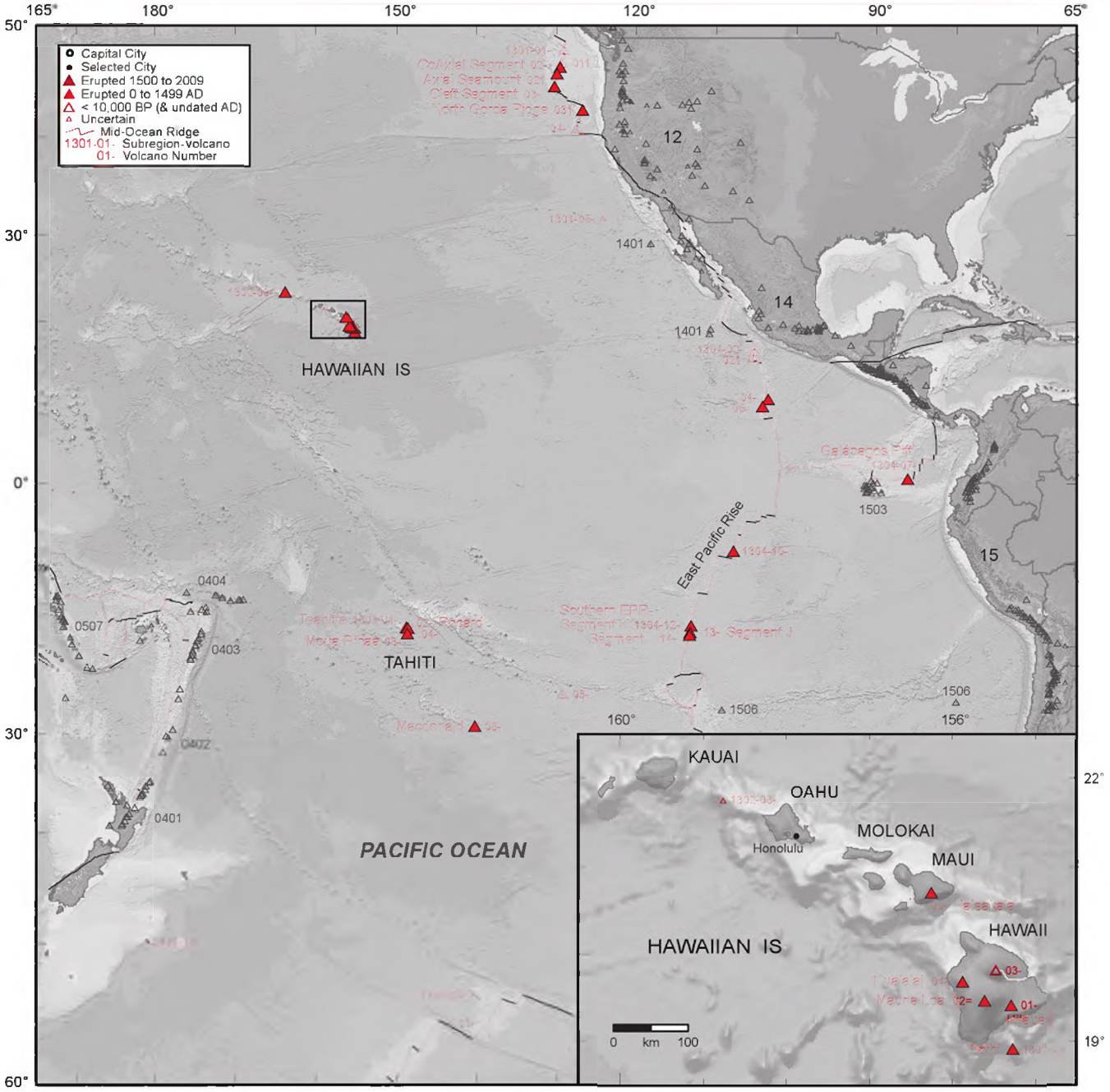
Pacific Ocean (13)



The Pacific Ocean forms the largest volcanic region in this book, but has the smallest total land area. Region 13 covered only "Hawaii" upon publication of the 1955 *CAVW* catalog. By the time of our 1981 book, it was clear that there was Holocene activity elsewhere in the Pacific and, in keeping with the original *CAVW* designations for both Atlantic and Indian oceans, we expanded this region to cover the full ocean basin not already covered by other catalogs (e.g. Galápagos, Chilean, and Mexican islands). Easter Island was included in this region in our 2nd edition, but has been moved since to be part of Chile's island volcanoes in subregion 1506.

Tahiti was discovered in 1767, 11 years before Captain Cook first sighted Hawaii, the most visibly volcanic part of the region. American missionaries arrived in Honolulu in 1820, and the Wilkes Expedition, with 27-yr-old J.D. Dana, arrived in Hawaii in 1840. In 1874, US troops landed in the islands, and in 1893 the Kingdom of Hawaii was overthrown by US Marines. Hawaii was annexed in 1898, ceded itself to the US as the Republic of Hawaii two years later, and became the 50th US state in 1959. In 1911, American volcanologists Perret & Shepherd started the first continuous monitoring of Kilauea, and the Hawaiian Volcano Observatory (HVO) was founded in the next year under the direction of the redoubtable Thomas Jaggar. In 1925 the Observatory came under the administration of the US Geological Survey, and the same year marked the first issue of *Volcano Letter*, an irregular periodical that carried news and volcano commentary from around the world until publication ceased in 1955. HVO has pioneered many approaches to monitoring of active volcanoes, and been instrumental in advancing understanding of ocean island volcanism.

Dominated by the fluid lavas of Hawaii, this region leads the

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world in eruptions producing lava flows, lava lakes, and radial fissure eruptions (in percentages of both its own total eruptions and those of each characteristic). The region is unusually homogeneous in its products, with virtually all eruptions consisting of basalt, from hotspot (Hawaii, Tahiti, Macdonald), ocean ridge crest, or fracture zone settings. Less than one-fifths of the eruptions in the Pacific Region display any explosive activity, and only 6% are strictly explosive, with no associated effusive activity; these are by far the lowest proportions of any region. This region has the highest proportion of submarine volcanoes (79%), and matches Africa and Arabia/Indian Ocean in having the fewest documented large explosive (VEI ≥4). The obvious focus on the dramatic effusive activity can be misleading, however, as Smithsonian and USGS volcanologists have recently documented a surprisingly high number of moderate-to-large explosive eruptions from Kilauea volcano.

A surge of interest in deep-sea volcanism has increased understanding of mid-ocean rift volcanism and documented several new eruptions. Evidence for a very recent, possibly ongoing eruption was detected during a series of dives in the submersible vessel *Alvin* in 1991 on the East Pacific Rise at about 9° 50' N. Hot-vent animal communities that had been documented during November to December 1989 imaging were observed to have been buried by fresh basaltic lava flows, and the scorched soft tissues of partially buried biota had not yet attracted bottom scavengers. Fresh black smoker chimneys were draped by new lava flows. This position was at a depth of about 2500 m south of the Clipperton fracture zone, about 1000 km SW of Acapulco, México. It coincided with a location where fresh lava flows previously estimated as less than roughly 50 years in age had been found; later Uranium-series dating extended the eruptive record here back 7000 years. Preliminary radiometric dating using ^{210}Pb techniques dated lava flows erupted along the East Pacific Rise at between late summer 2005 and January 2006, and a research expedition in April 2006 discovered that seismometers emplaced since 2003 had been buried by new lava flows. Further north, along the Juan de Fuca and North Gorda ridges off the coasts of Oregon and Washington, several eruptions were documented during the 1980s and 1990s by scientists of the NOAA Vents Program. These dramatic eruptions are evidence of the highly active mid-ocean ridge volcanism, but they only hint at the frequency of sea-floor volcanism. We have not included "zero-age" volcanoes unless they have specifically dated eruptions, and the volcanoes listed here are only a small fraction of the Holocene eruptive record in this active tectonic setting.

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
— Area of Activity																
PACIFIC OCEAN - NE																
Endeavour Ridge (Juan de Fuca)	47.95	N 129.10 W	-2050	0000		B	**Submarine volc**	1301-01-	**Uranium-series**							
								U-6930?						---x x--- ---- x--- ----	0	
								U-3490?						---x x--- ---- x--- ----	0	
Cobb Segment (Juan de Fuca)	46.88	N 129.33 W	-2100	0000		B	**Submarine volc**	1301-011	**Uranium-series**							
								U-1180?						---x x--- ---- x--- ----		
CoAxial Segment (Juan de Fuca)	46.52	N 129.58 W	-2400	0000		B	**Submarine volc**	1301-02-	**Historical**							
		CoAxial segment, Juan de Fuca Ridge								1986	e			---x x--- ---- x--- ----	0	7/-
		N end CoAxial segment, Juan de Fuca Ridge								1993	0626	1993	0704?	---x x--- ---- x--- ----	0	6/-
Axial Seamount (Juan de Fuca)	45.95	N 130.00 W	-1410	0000		B	**Submarine volc**	1301-021	**Historical**							
		South end of Axial caldera								1998	0125	1998	0205?	---x x--- ---- x--- ----	0	6/-
Cleft Segment (Juan de Fuca)	44.83	N 130.30 W	-2140	0000		B	**Submarine volc**	1301-03-	**Historical**							
		S Cleft Segment, S Juan de Fuca Ridge						U-0270?						---x x--- ---- x--- ----	0	
		N Cleft Segment, S Juan de Fuca Ridge								1982	<			---x x--- ---- x--- ----	0	7/-
		N Cleft Segment, S Juan de Fuca Ridge								1986	08 ?			---x x--- ---- x--- ----	0	7/-
North Gorda Ridge (Gorda Ridge)	42.67	N 126.78 W	-3000	0000		B	**Submarine volc**	1301-031	**Historical**							
								U-4840?						---x x--- ---- x--- ----	0	
								U-3020?						---x x--- ---- x--- ----	0	
		Near center of North Gorda Ridge segment								1996	0228?	1996	0315?	---x x--- ---- x--- ----	0	7/-
Escanaba Segment (Gorda Ridge)	40.98	N 127.50 W	-1700	0000		B	**Submarine volc**	1301-04-	**Uranium-series**							
		40 deg 59 min North						U-2260?						---x x--- ---- x--- ----	0	
Unnamed (Pacific-NE)	31.75	N 124.25 W	-2533	0000		U	**Submarine volc ?**	1301-05-	Uncertain							
		400 km SW of Pt. Conception, Calif.						*? 1972*	*1007*					---- ?--- ---- ---- ----	*0*	
HAWAII																
Loihi (Hawaii)	18.92	N 155.27 W	-975	0006		Bx	**Submarine volc**	1302-00-	**Historical**							
		East flank?						K-7050*						-?-- ---- ---- x--- ----	0	
								K-5050*						---- ---- ---- x--- ----	0	
								K-0050*						---- ---- ---- x--- ----	0	
								? 1971	*0917*	*?1972*	*09*			---- ?--- ---- ---- ----	*0*	
								? 1975	*0824?*	*?1975*	*11*			---- ?--- ---- ---- ----	*0*	
								? 1984	*1111*	*?1985*	*0121*			---- ?--- ---- ---- ----	*0*	
								? 1986	*0920*	*?1986*	*0920*			---- ?--- ---- ---- ----	*0*	
								1996	0225p	1996	0809?			x--- x--- ---- x--- ----	0	
Kilauea (Hawaii)	19.421	N 155.287 W	1222	4446		B	**Shield volcano**	1302-01-	**Historical**							
		SW rift zone						C-4650?						--x- ---- ---- x--- ----	0	
								G-3300?						x--- ---- ---- x--- ----	0	
		SW rift zone						C-2850?						--x- ---- ---- x--- ----	0	
								T-2200z						---- ---- x--- ---- ----		
								G-2080?						x--- ---- ---- x--- ----	0	
		SW rift zone						C-1650?						--x- ---- ---- x--- ----	0	
		SW rift zone						C-1550?						--x- ---- ---- x--- ----	0	
								G-0800?						x--- ---- ---- x--- ----	0	
		East rift zone						C-0410v						--x- ---- ---- x--- ----	0	
		(Kipuka Nene flows)						G-0270u						x--- ---- ---- x--- ----	0	
		Summit, East and SW rift zones						G-0200w						x-x- ---- ---- x--- ----	0	
		(Pre-Kulanaokuaiki tephra)						G-0050w						x--- ---- x--- ---- ----		
		Kilauea summit (Powers Caldera)						M 0150y						x--- ---- ---- x--- ----	0	
		(Kulanaokuaiki 1 tephra)						T 0420p						x--- ---- x--- ---- ----		
		Lower east rift zone						M 0450<						--x- ---- ---- x--- ----	0	
		(Kulanaokuaiki 2 tephra)						G 0540x						x--- ---- x--- x--- ----		
		East (near Kaipu) and SW rift zones						C 0680u						--x- ---- x--- x--- ----	1?	
		(Kipuka Hornet flows)						G 0850w						x--- ---- ---- x--- ----	0	
		(Upper Kulanaokuaiki tephra)						T 0900t						x--- ---- x--- ---- ----		
		Lower east rift zone (NE of Ilewa)						C 1050u						--x- ---- x--- x--- ----	1?	
		(Old Kalue flows)						G 1140u						x--- ---- ---- x--- ----	0	
		Upper east rift zone (Kane Nui o Hamo)						A 1340s						--x- ---- ---- x--- ----	0	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central	Flank vent	Radial fiss	Regional	Submarine	New island	Subglacial	Crater lake	Explosive	Pyro flow	Phreatic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Mudflow	Tsunami	VEI	Vol L/T
Kilauea (Hawaii) *continued*		Kilauea summit (Aila'au shield)							G	1410?	....	G1470?	....	x	-	-	-	-	-	-	-	x	-	-	-	-	-	0	9/-
		Lower east rift zone (near Puu Kaliu)							C	1460t	....	....	....	-	x	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Kilauea caldera							G	1490n	....	....	....	x	-	-	-	-	-	-	-	x	-	-	M	-	-	-	1?	
									G	1500?	....	....	....	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	1?	
		Lower east rift zone (near Kehena)							C	1510t	....	....	....	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		Lower east rift zone (Puu Honuaula)							C	1610t	....	....	....	-	x	-	-	-	-	-	-	x	-	-	x	-	-	-	1?	
		Kilauea summit (Observatory vent)							T	1650t	....	....	....	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		Upper east rift zone (Kokoolau)							M	1700q	....	....	....	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		East rift zone (Heiheiahulu, 520 m)								1750?	....	....	....	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		Lower east rift zone (230-375 m)								1790?	....	....	....	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		Kilauea Caldera (Keanakakoi ash)								1790	11 ?	....	....	x	-	-	-	x	x	x	-	-	-	-	x	-	-	-	4	-/8
		Kilauea Caldera								1820?	....	....	....	x	-	-	-	x	-	-	-	x	-	-	-	-	-	-	2	
		SW rift zone (Great Crack, 75-580 m)								1823	02	1823	07	-	x	-	-	-	-	x	-	x	-	-	-	-	-	-	0	7/-
		Halemaumau								1823	08 <	1894	1206	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0*	
		East rim of caldera (Byron's Ledge)								1832	0114	....	....	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		East rift zone (230-950 m)								1840	0530	1840	0625	-	x	-	-	-	-	-	-	x	x	-	-	x	-	-	0	8/-
		SW rift zone (775 m)								1868	0402?	....	....	-	x	-	-	-	x	-	-	x	-	-	-	-	-	-	1?	5/-
		East rift zone (-20? m)								1884	0122	1884	0122	-	x	-	x	-	-	-	-	?	-	-	-	-	-	-	0	
		Halemaumau								1895	0103	1896	0128	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Halemaumau								1896	0711	1896	0925a	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Halemaumau								1897	0624	1897	0627	x	-	-	-	-	-	-	-	?	-	-	-	-	-	-	0	
		Halemaumau								1902	0214<	1902	02	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		Halemaumau								1902	0603	1903	0305e	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Halemaumau								1903	1125	1904	0110	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Halemaumau								1905	0222	1906	04	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Halemaumau								1906	1202	1924	02	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	0	
		Kilauea Caldera								1918	0223	1918	0309	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		Kilauea Caldera								1919	0207	1919	1128	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		SW rift zone (Mauna Iki, 915 m)								1919	1221	1920	0730	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		Kilauea Caldera								1921	0318	1921	0325	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	6/-
		East rift zone, Makaopuhi, Napau								1922	0528	1922	0530	-	x	x	-	-	-	-	-	x	-	-	-	-	-	-	0	6/-
		East rift zone (915 m)								1923	0825	1923	0825	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		Halemaumau								1924	0510	1924	0527	x	-	-	-	-	x	-	x	-	-	-	-	x	-	-	2	-/5
		Halemaumau								1924	0719	1924	0729	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		Halemaumau								1927	0707	1927	0720	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		(1927 lava squeezed out by rockfall)							X	*1928*	*0111*	X*1928*	*0111*	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Halemaumau								1929	0220	1929	0221	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Halemaumau								1929	0725	1929	0728	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Halemaumau								1930	1119	1930	1207	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Halemaumau								1931	1223	1932	0105	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Halemaumau								1934	0906	1934	1008	x	-	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Halemaumau								1952	0627	1952	1110	x	-	-	-	-	x	-	-	x	x	-	-	-	-	-	0	7/-
		Halemaumau, Kilauea Caldera								1954	0531	1954	0603	x	-	-	-	-	x	-	-	x	x	-	-	-	-	-	0	6/-
		Lower east rift zone (50-400 m)								1955	0228	1955	0526	-	x	-	-	-	x	x	-	x	-	-	-	x	-	-	0	7/-
		Kilauea Iki								1959	1114	1959	1219	x	-	-	-	-	x	-	-	x	x	-	-	-	-	-	2	7/6
		East rift zone (near Kapoho, 30 m)								1960	0113	1960	0219	x	-	x	-	-	x	x	-	x	-	-	x	-	-	-	2	8/-
		Halemaumau								1961	0224	1961	0224	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	1	5/-
		Halemaumau								1961	0303	1961	0325	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	1	5/-
		Halemaumau								1961	0710	1961	0717	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	1	7/-
		East rift zone (395-790 m)								1961	0922	1961	0924	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	1	6/-
		East rift zone (945-990 m)								1962	1207	1962	1209	-	x	x	-	-	-	-	-	x	x	-	-	-	-	-	0	5/-
		East rift zone (825-960 m)								1963	0821	1963	0823	-	x	x	-	-	-	-	-	x	x	-	-	-	-	-	0	4/-
		East rift zone (700-840 m)								1963	1005	1963	1006	-	x	-	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		East rift zone (700-915 m)								1965	0305	1965	0315	-	x	x	-	-	-	-	-	x	x	-	-	-	-	-	0	7/-
		East rift zone (915-960 m)								1965	1224	1965	1225	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		Halemaumau								1967	1105	1968	0713	x	-	x	-	-	-	-	-	x	x	-	-	-	-	-	0	7/-
		East rift zone (580-885 m)								1968	0822	1968	0826	-	-	x	-	-	-	-	-	x	x	-	-	-	-	-	0	4/-
		East rift zone (730-915 m)								1968	1007	1968	1022	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	6/-
		East rift zone (885-945 m)								1969	0222	1969	0228	-	-	x	-	-	-	-	-	x	-	-	x	-	-	-	0	7/-
		East rift zone (Mauna Ulu, 960 m)								1969	0524	1974	0722	-	x	x	-	-	x	-	-	x	x	-	-	x	-	-	0	8/-
		Kilauea Caldera								1971	0814	1971	0814	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		Halemaumau and upper SW rift zone								1971	0924	1971	0929	x	-	x	-	-	-	-	-	x	-	-	x	-	-	-	0	6/-
		East rift zone, Pauahi, Hiiaka								1973	0505	1973	0505	-	-	x	-	-	-	-	-	x	-	-	x	-	-	-	0	6/-
		East rift zone, Pauahi								1973	1110	1973	1209	-	x	x	-	-	-	-	-	x	x	-	-	-	-	-	0	6/-
		Kilauea Caldera, Keanakakoi								1974	0719	1974	0722	x	x	x	-	-	-	-	-	x	-	-	x	-	-	-	0	6/-
		Kilauea Caldera (Halemaumau and to SW)								1974	0919	1974	0919	x	-	x	-	-	-	-	-	x	-	-	x	-	-	-	0	7/-
		SW rift zone (1095 m)								1974	1231	1974	1231	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	6/-
		Kilauea Caldera, Halemaumau								1975	1129	1975	1129	x	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		East rift zone (near Kalalua Crater)								1977	0913	1977	1001	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	7/-
		East rift zone (Pauahi Crater)								1979	1116	1979	1117	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		East rift zone (near Mauna Ulu)								1980	0311	1980	0311	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	0/-
		Kilauea Caldera (NE of Halemaumau)								1982	0430	1982	0501	x	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	5/-
		Kilauea Caldera (SSE of Halemaumau)								1982	0925	1982	0926	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	6/-
		East rift zone (Puu C'o), Halemaumau								1983	0103	2010>	....	-	-	x	-	-	x	-	-	x	x	-	x	-	-	-	1*	9/-
Mauna Loa (Hawaii)	19.475N	155.608W	4170	2246		B			**Shield volcano**		1302-02=		**Historical**																					
		NE rift zone								C-8050?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-7850?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-7550?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		SW rift zone								C-7350?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE and SW rift zones								C-7150?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-6650?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		Mokuaweoweo								C-6550?	....	....	....	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-6250?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE and SW rift zones								C-5850?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		SW rift zone								C-5650?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		SW rift zone								C-5350?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		SW rift zone								C-4250?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-3750?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-3350?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		SW rift zone								C-3250?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE and SW rift zones								C-2750?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		Mokuaweoweo								C-2350?	....	....	....	x	-	-	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-2250?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	
		NE rift zone								C-2150?	....	....	....	-	-	x	-	-	-	-	-	x	-	-	-	-	-	-	0	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
		— Area of Activity												Central / Flank vent / Fissure / Regional; Submarine / Subglacial / Subaerial / Crater lake; Explosive / Effusive / Phreatic / Caldera; Lava flow / Lava lake / Dome / Spine; Fatal / Damage / Mudflow / Tsunami		
Mauna Loa (Hawaii) *continued*		Mokuaweoweo						C-2050?						x--- ---- ---- x--- ----	0	
		SW rift zone						C-2000?						--x- ---- ---- x--- ----	0	
		SW rift zone						C-1900?						--x- ---- ---- x--- ----	0	
		NW and SW rift zones						C-1800?						--x- ---- ---- x--- ----	0	
		NE rift zone						C-1750?						--x- ---- ---- x--- ----	0	
		SW rift zone						C-1700?						--x- ---- ---- x--- ----	0	
		NE and SW rift zones						C-1650?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo and NE rift zone						C-1300?						x-x- ---- ---- x--- ----	0	
		Mokuaweoweo						C-0950?						x--- ---- ---- x--- ----	0	
		NE rift zone						C-0600?						--x- ---- ---- x--- ----	0	
		SW rift zone						C-0500?						--x- ---- ---- x--- ----	0	
		SW rift zone						C-0400?						--x- ---- ---- x--- ----	0	
		NE rift zone						C-0300?						--x- ---- ---- x--- ----	0	
		NE rift zone						C-0200?						--x- ---- ---- x--- ----	0	
		SE rift zone						C-0080?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo						C-0060?						x--- ---- ---- x--- ----	0	
		NE and SW rift zones						C-0030?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 0050?						--x- ---- ---- x--- ----	0	
		SE rift zone						C 0100?						--x- ---- ---- x--- ----	0	
		SE rift zone						C 0150?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0200?						x--- ---- ---- x--- ----	0	
		NE rift zone						C 0300?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0350?						x--- ---- ---- x--- ----	0	
		NE rift zone						C 0450?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0480?						x--- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0550?						x--- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0600?						x--- ---- ---- x--- ----	0	
		NE rift zone						C 0630?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0680?						x--- ---- ---- x--- ----	0	
		Mokuaweoweo						C 0810?						x--- ---- ---- x--- ----	0	
		Mokuaweoweo and NW flank						C 0830?						x-x- ---- ---- x--- ----	0	
		NE rift zone						C 0940?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1040?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1070?						--x- ---- ---- x--- ----	0	
		SW rift zone						C 1130?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1170?						--x- ---- ---- x--- ----	0	
		NE rift zone and Mokuaweoweo						C 1190?						--x- ---- ---- x--- ----	0	
		SW rift zone						C 1310?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1360?						--x- ---- ---- x--- ----	0	
		NE rift zone and Mokuaweoweo						C 1370?						x-x- ---- ---- x--- ----	0	
		NE rift zone						C 1390?						--x- ---- ---- x--- ----	0	
		NE rift zone and NW flank						C 1440?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1470?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1500?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1510?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1540?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1640?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1650?						--x- ---- ---- x--- ----	0	
		NW flank						C 1680?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1685?						--x- ---- ---- x--- ----	0	
		NE rift zone						C 1730?						--x- ---- ---- x--- ----	0	
		North flank (2380 m) and SW rift zone?						1750?						--x- ---- ---- x--- ----	0	
		Mokuaweoweo and adjacent vents						1832	0620	1832	0715g			x-x- ---- ---- x--- ----	0	7/-
		North flank, Mokuaweoweo and NE rift						1843	0109	1843	0410?			x-x- ---- ---- x--- ----	0	8/-
		Mokuaweoweo						1849	05					x--- ---- ---- x--- ----	0	7/-
		Mokuaweoweo and SW rift zone						1851	0808	1851	0811a			x-x- ---- ---- x--- ----	0	7/-
		NE rift zone (2560 m) and Mokuaweoweo						1852	0217	1852	0311?			x-x- ---- x--- x--- ----	2	8/-
		NE rift zone (3200 m) and Mokuaweoweo						1855	0811	1856	11			--x- ---- x--- x--- ----	1	8/-
		North flank (2800 m) and Mokuaweoweo						1859	0123	1859	1125			--x- ---- ---- x--- -x--	1	8/-
		Mokuaweoweo						1865	1230	1866	0429?			x--- ---- ---- x--- ----	0	7/-
		SW rift zone (1000 m) and Mokuaweoweo						1868	0327	1868	0422			x-x- ---- x--- x--- xx-x	2*	8/-
		Mokuaweoweo	?					*1870*	*0101?*	*?1870*	*0115?*			x--- ---- ---- ?--- ----	*0*	
		Mokuaweoweo						1871	0810	1871	0830?			x--- ---- ---- x--- ----	0	7/-
		Mokuaweoweo						1872	0809	1872	09			x--- ---- ---- x--- ----	1	
		Mokuaweoweo						1873	0106	1873	0107?			x--- ---- ---- x--- ----	0	
		Mokuaweoweo						1873	0420	1874	1019?			x--- ---- ---- x--- ----	1	
		Mokuaweoweo						1875	0110	1875	0209?			x--- ---- ---- x--- ----	0	
		Mokuaweoweo						1875	0811	1875	0818?			x--- ---- ---- x--- ----	0	
		Mokuaweoweo						1876	0213	1876	0214?			x--- ---- ---- x--- ----	0	
		Mokuaweoweo, submarine west flank						1877	0214	1877	0224			x-x- x--- ---- x--- ----	0	6/-
		Mokuaweoweo						1879	0309	1879	0309?			x--- ---- ---- x--- ----	0	6/-
		Mokuaweoweo						1880	0501	1880	0506			x--- ---- ---- x--- ----	1	7/-
		NE rift zone (3170 m)						1880	1105	1881	0810			--x- ---- x--- x--- -x--	1	8/-
		SW rift zone (1740 m) and Mokuaweoweo						1887	0116	1887	0128?			x-x- ---- ---- x--- -x--	0	8/-
		Mokuaweoweo						1892	1130	1892	1203			x--- ---- ---- x--- ----	0	7/-
		Mokuaweoweo						1896	0421	1896	0506			x--- ---- ---- x--- ----	0	7/-
		NE rift zone (3260 m) and Mokuaweoweo						1899	0701	1899	0723			x-x- ---- x--- x--- ----	1	7/-
		Mokuaweoweo						1903	0901	1903	1207?			x--- ---- ---- x--- ----	0	7/-
		SW rift zone (1890 m) and Mokuaweoweo						1907	0109	1907	0124>			x-x- ---- ---- x--- -x--	0	7/-
		Mokuaweoweo						1914	1125	1915	0111			x--- ---- ---- x--- ----	0	7/-
		SW rift zone (3000 and 2250 m)						1916	0519	1916	0530			--x- ---- ---- x--- -x--	0	7/-
		SW rift zone (3450 and 2350 m)						1919	0926	1919	1105?			--x- ---- ---- x--- -x--	0	8/-
		SW rift (2320 m)						1926	0410	1926	0428?			--x- ---- ---- x--- -x--	0	8/-
		Mokuaweoweo						1933	1202	1933	1218			x-x- ---- ---- x--- ----	0	8/-
		NE rift zone (3690 m) and Mokuaweoweo						1935	1121	1936	0102			x-x- ---- ---- x--- -x--	0	7/-
		Mokuaweoweo and SW rift zone						1940	0407	1940	0818			x-x- ---- x--- x--- ----	0	8/-
		NE rift zone (2800 m) and Mokuaweoweo						1942	0426	1942	0510			x-x- ---- x--- x--- ----	0	8/-
		Mokuaweoweo and SW rift zone						1949	0106	1949	0531			x-x- ---- x--- x--- ----	0	8/-
		SW rift zone (2440 m)						1950	0601	1950	0623			--x- ---- x--- x--- -x--	0	8/-
		Mokuaweoweo and NE and SW rift zones,						1975	0705	1975	0706			x-x- ---- ---- x--- ----	0	7/-
		Mokuaweoweo, SW and NE rift zones						1984	0325	1984	0415			x-x- ---- ---- x--- ----	0	8/-
Mauna Kea (Hawaii)	**19.82**	**N 155.47 W**	**4205**	3346		**BYX**		**Shield volcano**	**1302-03-**		**Radiocarbon**					
		North flank (Puu Kole)						C-5150w						-x-- ---- x--- x--- ----		
		South rift zone (Puu Kalaieha)						C-3680x						-xx- ---- x--- x--- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year M-Dy	— Stop — Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Mauna Kea (Hawaii) *continued*		SE flank (near Hale Pohaku, 2740 m)				C	-3370w			-xx- ---- x--- x--- ----		
		NE flank (Puu Kanakaleonui, 2930 m)				C	-2750x			-x-- ---- x--- x--- ----		
		South rift zone (Puu Kole)				C	-2540x			-xx- ---- x--- x--- ----		
		NE flank (Puu Lehu, 3130 m)				C	-2460v			-x-- ---- x--- x--- ----		
Hualalai (Hawaii)	19.692N	155.87 W	2523	5556	Bxt	**Shield volcano**		1302-04-	**Historical**			
						C	-7540x			---- ---- ---- x--- ----	0	
		Cone 60 m north of Hainoa Crater				C	-6820x			x--- ---- ---- x--- ----	0	
		SE rift zone (1.6 km SE of Hainoa)				C	-4410v			--x- ---- ---- x--- ----	0	
						C	-2770u			---- ---- ---- x--- ----	0	
		NW rift zone (1 km W of Hainoa Crater)				C	-2440u			--x- ---- ---- x--- ----	0	
		NW rift zone (0.3 km NW of Hainoa)				C	-2040u			--x- ---- ---- x--- ----	0	
						C	-1650x			---- ---- ---- x--- ----	0	
		NW rift zone (0.7 km NW of Luamakami)				C	-1150u			--x- ---- ---- x--- ----	0	
						C	-1080x			---- ---- ---- x--- ----	0	
		North rift zone (700 m ENE of Hainoa)				C	-0720u			--x- ---- ---- x--- ----	0	
		North rift zone (3 km NE of Hainoa)				C	-0440t			--x- ---- ---- x--- ----	0	
		NW rift zone (Luamakami)				C	-0400u			--x- ---- ---- x--- ----	0	
		SE flank (1 km west of Waha Pehe)				C	-0350u			-x-- ---- ---- x--- ----	0	
		North rift zone (1130-1830 m)				C	-0080u			--x- ---- ---- x--- ----	0	8/-
		SSE rift zone (4.5 km NW of Waha Pele				C	0770x			--x- ---- ---- x--- ----	1	8/-
		NW rift zone (2 km NW of Luamakami)				C	0920t			--x- ---- ---- x--- ----	0	
		SSE rift zone (3 km NE of Waha Pele)				C	1050v			--x- ---- ---- x--- ----	1	8/-
		NW rift zone (Puu Alauawa, Nahaha)				T	1150?			--x- ---- ---- x--- ----	0	
		SSE rift zone (Waha Pele)				C	1240w			--x- ---- --x- x--- ----	2	8/-
		NW rift zone (Luamakami)				C	1650t			--x- ---- --x- x--- ----	1	
		NW rift zone (1400-1900 m, Kaupulehu flow)					1784g			--x- ---- ---- x--- ?x--	0	8/-
		NW rift zone (520 m, Huehue flow)					1800		1801	--x- ---- ---- x--- ?x--	0	7/-
Haleakala (Hawaii)	20.708N	156.25 W	3055	5556	BX	**Shield volcano**		1302-06-	**Anthropology**			
		SW rift zone (~1800 m)				G	-7950x			--x- ---- x--- x--- ----		
		East rift zone (Kuhiwa flow)				C	-7570u			--x- ---- x--- x--- ----		
		East rift zone				C	-7450y			--x- ---- ---- x--- ----		
		Upper SW rift zone				G	-7210?			--x- ---- x--- x--- ----		
		SW rift zone (W of Kanahau)				C	-6760s			--x- ---- ---- x--- ----		
		SW rift zone (Waiohuli flow)				C	-6700v			--x- ---- ---- x--- ----		
		SW rift zone (Kanahau flow)				C	-6220t			--x- ---- ---- x--- ----		
		East rift zone (Lo'alo'a flow)				C	-6030s			--x- ---- ---- x--- ----		
		East rift zone				C	-5860s			--x- ---- ---- x--- ----		
						C	-4760s			---- ---- x--- ---- ----		
		East rift zone				C	-3070s			--x- ---- x--- ---- ----		
						C	-2580s			---- ---- x--- ---- ----		
		SW rift zone (~2000 m)				G	-2470t			--x- ---- x--- x--- ----		8/-
		East rift zone (East Camp cone)				C	-2260s			--x- ---- x--- ---- ----		
		East rift zone				C	-2210s			--x- ---- x--- ---- ----		
		Haleakala crater (Puu Maile)				C	-2120t			x-x- ---- x--- ---- ----		
		SW rift zone				C	-1940s			--x- ---- x--- ---- ----		
		East rift zone (Wai'ele'ele flow)				C	-1900t			--x- ---- ---- x--- ----		
		SW rift zone (~1600 m)				G	-1850?			--x- ---- x--- x--- ----		7/-
		Haleakala crater				C	-1800t			x-x- ---- x--- ---- ----		
		Upper SW rift zone (~2600 m)				G	-1310?			--x- ---- x--- x--- ----		7/-
		Upper SW rift zone (~2800 m)				G	-1240?			--x- ---- x--- x--- ----		6/-
		SW rift zone (Auwahi flow)				C	-1140r			--x- ---- ---- x--- ----		
		Haleakala crater				C	-0580t			x-x- ---- x--- ---- ----		
		North crater wall				C	-0390s			x-x- ---- ---- x--- ----		
		SW rift zone (~2400 m)				G	-0290?			--x- ---- x--- x--- ----		7/-
		Haleakala crater				C	0080s			x-x- ---- x--- ---- ----		
		Haleakala crater (Puu Nole)				C	0790t			x-x- ---- ---- x--- ----		
		Haleakala crater (Kalua Awa flow)				C	0910s			x-x- ---- ---- x--- ----		
		Haleakala crater (Puu o ka O'o)				C	0980t			x-x- ---- x--- x--- ----		
		East rift zone (Puu Hina'i, Ka'eleku flows)				C	0990t			--x- ---- ---- x--- ----		
		Haleakala crater (Halali'i)				C	1010s			x-x- ---- x--- x--- ----		
		SW rift zone (Mauka flow)				C	1020t			--x- ---- ---- x--- ----		
		North crater wall (Hanakauhi flow)				C	1080s			x-x- ---- ---- x--- ----		
		SW rift zone (~1200 m)				G	1200u			--x- ---- x--- x--- ----		7/-
		SW rift zone (Keonehunehune flow, ~1500 m)				G	1350w			--x- ---- x--- x--- ----		5/-
		SW rift zone (Makua flow, ~1600 m)				G	1360v			--x- ---- x--- x--- ----		
		SW rift zone				G	1420v			--x- ---- x--- x--- ----		
		East rift zone (Kawaipapa lava flow)				C	1460u			--x- ---- ---- x--- ----		
		SW rift zone (Kalua o Lapa flow, 180-360 m)				A	1750?			--x- ---- x--- x--- ----		8/-
Unnamed (Hawaii)	21.75 N	158.75 W	-3000	0006	U	**Submarine volc ?**		1302-08-	Uncertain			
						?	*1956*	*0522*	*?1956*	*0523* ---- ?--- ?--- ---- ----	*0*	
Unnamed (Hawaii)	23.58 N	163.83 W	-4000	0000	U	**Submarine volc**		1302-09-	**Historical**			
		90 km NE of Necker Island					1955	0820	1955	0822? ---- x--- x--- ---- ---x	0	

PACIFIC OCEAN - E & S

Teahitia (Society Is-C Pacific)	17.57 S	148.85 W	-1400	0006	XB	**Submarine volc**		1303-01-	**Seismicity**			
						S	1982	0316	S1982	0519 ---- x--- ---- ---- ----	0	
						S	1983	0712	S1983	0726 ---- x--- ---- ---- ----	0	
						S	1983	1218	S1984	0714 ---- x--- ---- ---- ----	0	
						S	1985	0110	S1985	0125 ---- x--- ---- ---- ----	0	
Rocard (Society Is-C Pacific)	17.642S	148.60 W	-2100	0005	TB	**Submarine volc**		1303-02-	**Seismicity**			
						S	1966	0309	S1966	0320 ---- x--- ---- ---- ----	0	
						S	1971	0906	....	.... ---- x--- ---- ---- ----	0	
						S	1972	0704	S1972	0719 ---- x--- ---- ---- ----	0	
Moua Pihaa (Society Is-C Pacific)	18.32 S	148.67 W	-160	0005	X	**Submarine volc**		1303-03-	**Seismicity**			
						S	1969	0422	S1969	0429 ---- x--- ---- ---- ----	0	
						S	1970	0621	S1970	0623 ---- x--- ---- ---- ----	0	
Mehetia (Society Is-C Pacific)	17.87 S	148.07 W	435	3333	XBz	**Stratovolcano**		1303-04-	**Anthropology**			
		SE of Mehetia (-1700 m?)				*?*	*1981*	*0305*	*?1981*	*12* ---- ?--- ---- ---- ----	*0*	
Adams Seamount (Pacific-C)	25.37 S	129.27 W	-39	0002	BXTya	**Submarine volc**		1303-05-	**Potassium-Argon**			
						K	-5050*	....	....	.... ---- ---- ---- x--- ----	0	
						K	-4050*	....	....	.... ---- ---- ---- x--- ----	0	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LAT
Adams Seamount (Pacific-C) *continued*							K-1050*	....	....	....	---- ---- ---- x--- ----	0	
							K-0050*	....	....	....	---- ---- ---- x--- ----	0	
Macdonald (Austral Is-C Pacific)	28.98	S 140.25 W	-39	0000	BXy	**Submarine volc**	**1303-06-**		**Historical**				
(pumice rafts in South Pacific)							@ 1928	....	....	....	---- x--- x--- ---- ----	0?	
(pumice rafts in South Pacific)							@ 1936	....	....	....	---- x--- x--- ---- ----	0?	
							S 1967	0529	S1967	0529	---- x--- ---- ---- ----	0	
							S 1977	1210	S1977	1215	---- x--- ---- ---- ----	0	
							S 1979	0930	S1979	0930	---- x--- ---- ---- ----	0	
							S 1980	0212	S1980	0213	---- x--- ---- ---- ----	0	
							S 1980	1110	S1981	0215	---- x--- ---- ---- ----	0	
							S 1982	0301	S1982	0606	---- x--- ---- ---- ----	0	
							S 1983	0314	S1983	0521	---- x--- ---- ---- ----	0	
							S 1983	1027	S1984	0103	---- x--- ---- ---- ----	0	
							S 1986	0516	S1986	0802	---- x--- ---- ---- ----	0	
								1987	0604	1989	0128> ---- x--- x--- ---- ----	0	
Northern EPR-Segment RO2	16.55	N 105.32 W	-2700	0000	B	**Submarine volc**	**1304-02-**		**Magnetism**				
16.80 deg N							M-0050*	....	....	....	---x x--- ---- x--- ----	0	
Northern EPR-Segment RO3	15.83	N 105.43 W	-2300	0000	B	**Submarine volc**	**1304-021**		**Magnetism**				
							M-0050*	....	....	....	---x x--- ---- x--- ----	0	
Unnamed (East Pacific Rise)	10.73	N 103.58 W		0000	B	**Submarine volc**	**1304-04-**		**Historical**				
							2003	05 ?	2003	11	---x x--- ---- x--- ----	0	
Unnamed (East Pacific Rise)	9.83	N 104.30 W	-2500	0000	B	**Submarine volc**	**1304-05-**		**Historical**				
EPR axis and East and West of axis							U-5050*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.5 deg N)							U-4050*	....	....	....	---x x--- ---- x--- ----	0	
EPR axis and East of axis							U-3050*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.5 deg N)							U-2050*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.5 deg N)							U-1050*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.5 deg N)							U-0050*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.9 deg N)							U 0850x	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.5 deg N)							U 0950*	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.8 deg N)							U 1200y	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.9 deg N)							U 1600w	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.8 deg N)							U 1650v	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.9 deg N)							M 1875<	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.9 deg N)							M 1950?	....	....	....	---x x--- ---- x--- ----	0	
East Pacific Rise (9.3 deg N)							1988a	....	....	....	---x x--- ---- x--- ----	0	4/-
East Pacific Rise (9.8 deg N)							1991	03 ?	....	....	---x x--- ---- x--- ----	0	6/-
East Pacific Rise (9.9 deg N)							1991	1201p	1992	0204p	---x x--- ---- x--- ----	0	
East Pacific Rise (9.8 deg N)							2005	08 ?	2006	01 ?	---x x--- ---- x--- ----	0	
Galapagos Rift (Pacific-E)	0.792	N 86.15 W	-2430	0000	B	**Submarine volc**	**1304-07-**		**Historical**				
Galapagos Rift (Clambake vent area)							1972	0629a	....	....	---- x--- ---- x--- ----		
							1996f	....	....	....	---x x--- ---- x--- ----	0	
Unnamed (East Pacific Rise)	8.27	S 107.95 W	-2800	0000	B	**Submarine volc**	**1304-10-**		**Historical**				
East Pacific Rise (8.3 deg S)							1964?	....	1969?	....	?--? x--- ---- x--- ----	0	10/-
Southern EPR-Segment K	17.436	S 113.206 W	-2566	0000	B	**Submarine volc**	**1304-12-**		**Historical**				
(South of Aldo-Kihi lava flow)							M 1625?	....	....	....	---x x--- ---- x--- ----	0	
(North of Aldo-Kiri lava flow)							M 1840?	....	....	....	x--x ---- ---- x--- ----	0	
(North of Aldo-Kiri lava flow)							M 1930?	....	....	....	x--x ---- ---- x--- ----	0	
(South of Aldo-Kihi lava flow)							M 1965?	....	....	....	x--x ---- ---- x--- ----	0	
(Aldo-Kihi lava flow)							1990b	....	....	....	---x x--- ---- x--- ----	0	8/-
Southern EPR-Segment J	18.175	S 113.35 W	-2650	0000	B	**Submarine volc**	**1304-13-**		**Magnetism**				
							M 1820?	....	....	....	---x x--- ---- x--- ----	0	
							M 1890?	....	....	....	---x x--- ---- x--- ----	0	
Southern EPR-Segment I	18.53	S 113.42 W	-2600	0000	B	**Submarine volc**	**1304-14-**		**Magnetism**				
(Northern South Hump lava flow)							M 1620?	....	....	....	---x x--- ---- x--- ----	0	
(Southern South Hump lava flow)							M 1860?	....	....	....	---x x--- ---- x--- ----	0	
(Animal Farm lava flow)							M 1915s	....	....	....	---x x--- ---- x--- ----	0	8/-
Antipodes Island (Pacific-S)	49.68	S 178.77 E	402	0000	BX	**Pyroclastic cones**	**1305-01-**		Holocene?				
Unnamed (Pacific-S)	53.90	S 140.30 W	-1000	0000	U	**Submarine volc**	**1305-02-**		Uncertain				
Seamount by Pacific-Antarctic Ridge?							*? 1991*	*0311*	*?1991*	*0319*	---- ?--- ---- ---- ----	*0*	
Unnamed (Pacific-S)	55.97	S 143.17 W		0000	U	**Submarine volc**	**1305-03-**		Uncertain				
Udintsev Fracture Zone							*? 1990*	*1029*	*?1990*	*1119*	---- ?--- ---- ---- ----	*0*	

Don Peterson (USGS/HVO)

This 1975 photo of the snow-covered summit of 4170-m-high Mauna Loa volcano on the island of Hawaii shows the 2.4 x 4.8 km Mokuaweoweo caldera in the center, with three circular pit craters and linear fissure vents in the foreground. Mauna Kea shield volcano rises across a broad saddle to a height of 4206 m in the distance.

Ridge2004 (NSF/WHOI)

Smoke pours from a "black smoker" vent chimney at 9 degrees North on the East Pacific Rise during a 2004 expedition. Hot-vent animal communities such as in the foreground that had been documented in 1989 were buried by fresh basaltic lava flows in 1991. A 2005-2006 eruption produced lava flows that entrapped previously emplaced seismometers.

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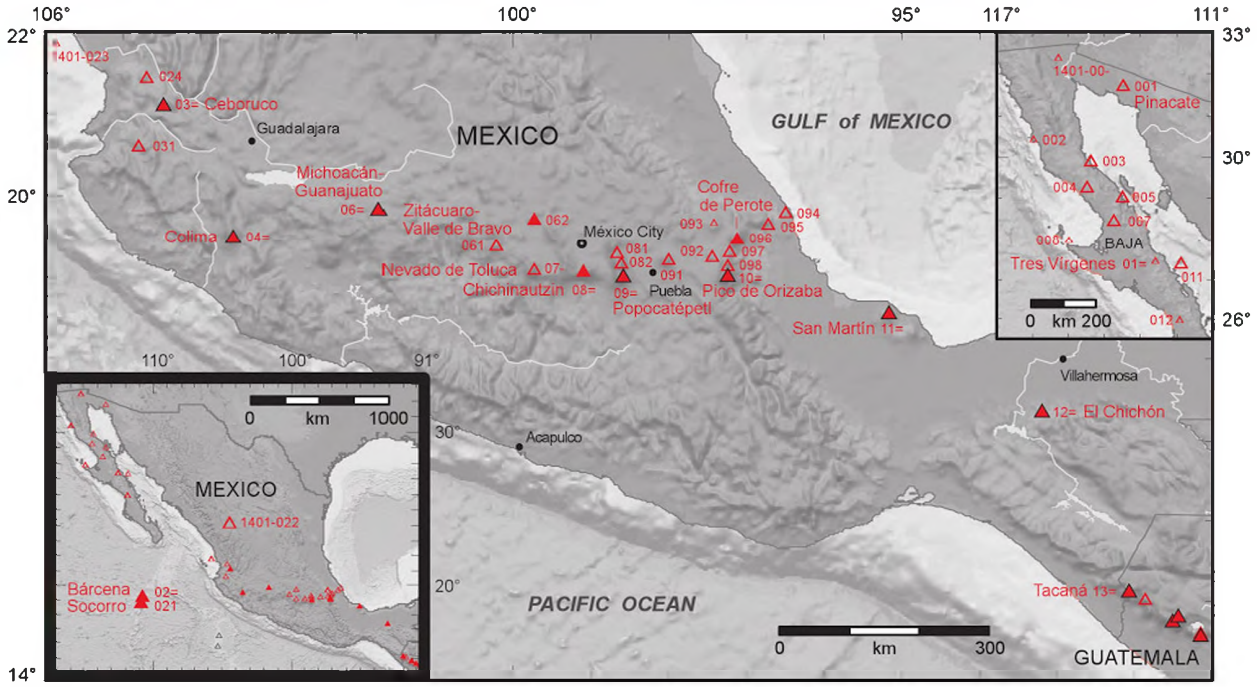
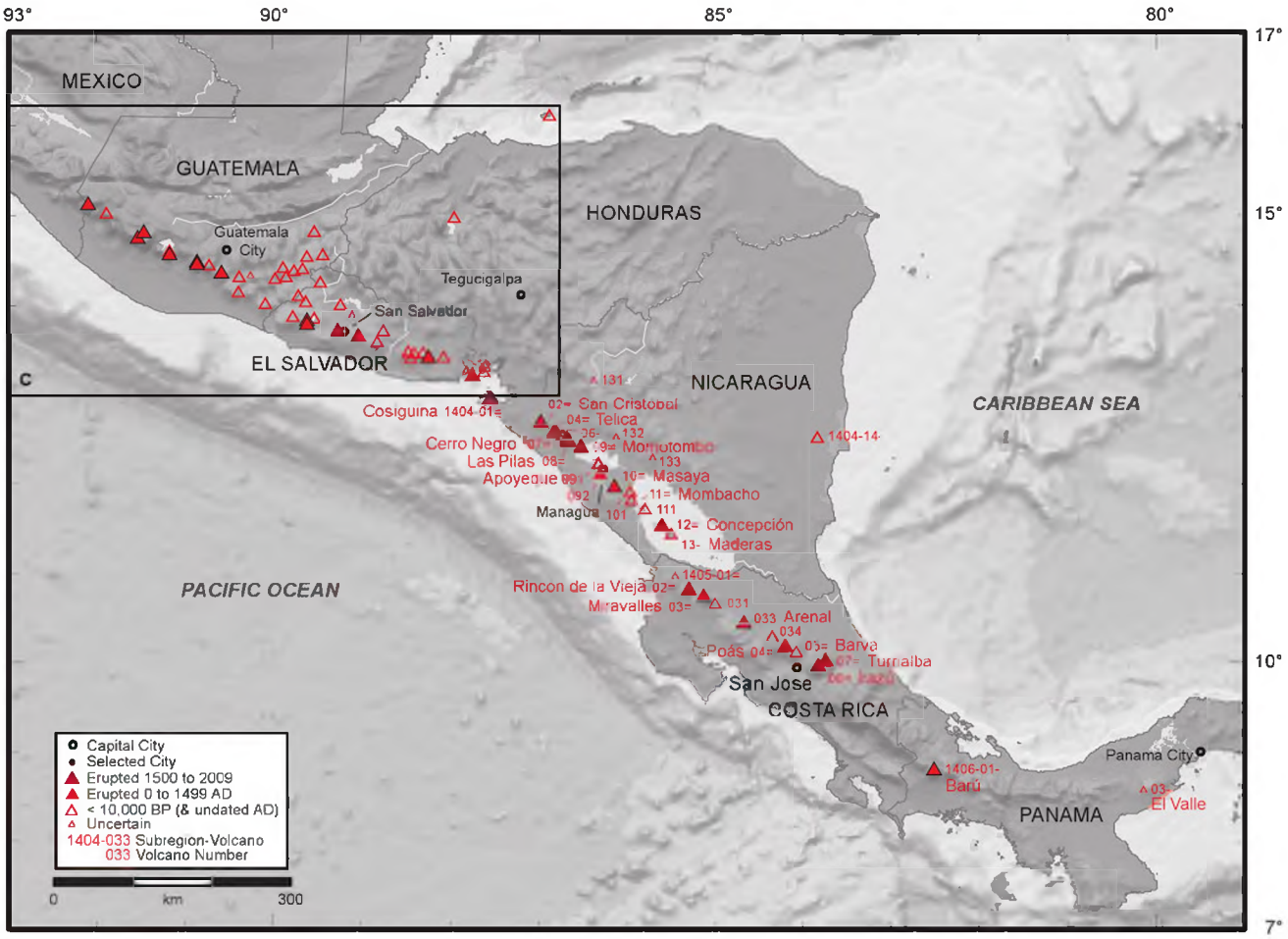
México & Central America (14)





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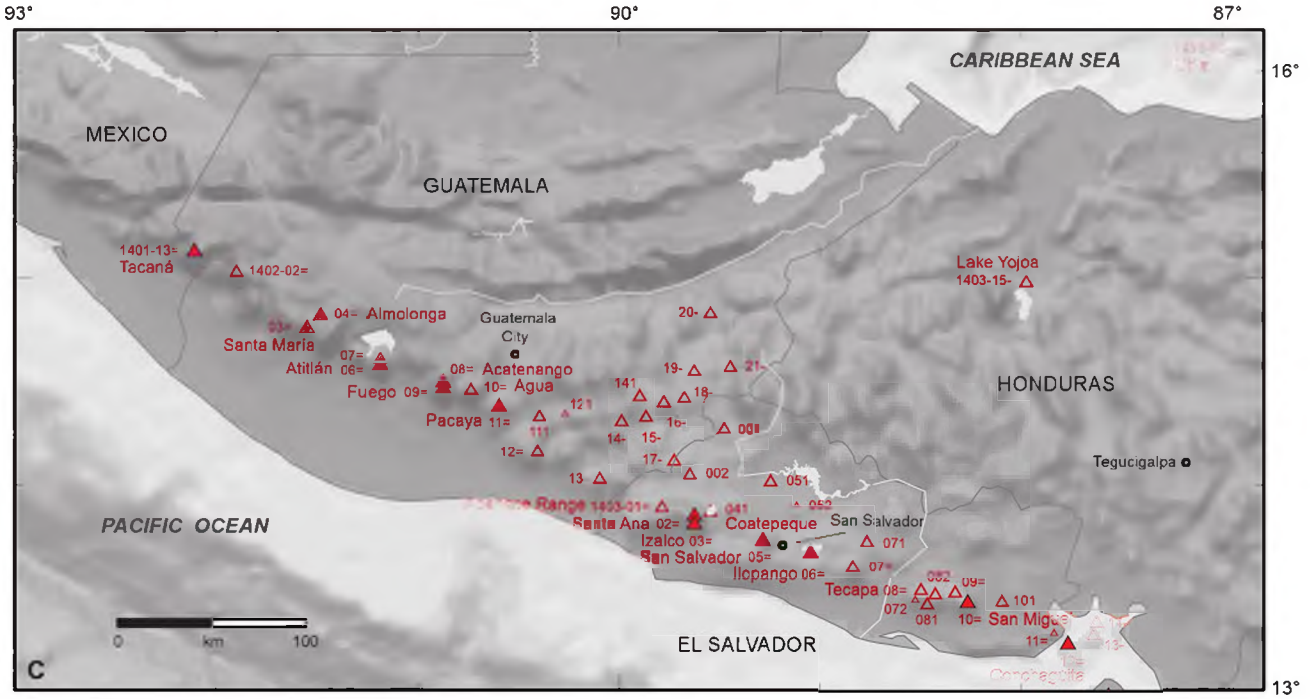

Originally designated "Central America" by *CAVW* organizers, this region also includes México. México dominates the region in both population (75%) and land area (80%), and the region's total population ranks it 5th among *CAVW* regions. The Holocene volcanoes of México and Central America, combined with those of South America and the Canary Islands, total 320, meaning that Spanish is spoken around more volcanoes than any other language.

México's early civilizations built the largest city in the Americas and pyramids larger than Egypt's in the second century AD. In 700 AD the Mayans were flourishing from Yucatan to the Pacific, but this civilization fell 200 years later. To the north, though, in the fertile central valley of México, the Toltecs were building the most highly developed pre-Columbian civilization in Latin America. From the mid-12th century the Aztecs dominated, and the first documented new world eruption (Popocatépetl, in 1345) was recorded in the Aztec codices. A population as large as 15 million was present in 1519, when Cortez and 600 conquistadores landed, but within two years the Spaniards had killed the Aztec king and captured their principal city. The spread of the Spanish empire over the region was swift, and most early documentation of volcanism was by Catholic priests.

To the south, Columbus had made the first European landfall on the Caribbean coast of Costa Rica in 1502, and Balboa first sighted the Pacific, at Panama, in 1513. The Kingdom of Guatemala (so known since 1549) was the political heart of Spanish rule in Central America, and had its largest population. Guatemala declared independence from Spain in 1821, along with the other Central American countries. The region has not been free of political unrest, and the quality of volcano reporting has varied in space and time.

Volcanism has had important impacts on the region. As was learned with the 1982 eruption of El Chichón (and the even larger ~450 AD eruption of Ilopango in El Salvador), the region produces large explosive eruptions. Only Japan and Kamchatka have higher numbers of volcanoes with average VEIs of 3 or larger, only Indonesia, South America and Japan have had more VEI >4 eruptions in the last 200 years, and only Indonesia has suffered more volcanic death tolls exceeding one thousand (see FATALITIES). El Chichón volcano, which last erupted in 1982, devastating adjacent towns and villages and producing ash and volcanic aerosols that circled the globe, has the 2nd highest average VEI (4.5) of any volcano in the world with 5 or more 5 VEI assignments.

Reflecting the strong archeological interest in México and Central America, this region trails only Region 01 for the largest number of eruptions dated archeologically (9 and 7 dates, respectively). Explosive eruptions and associated lahars from Popocatépetl volcano and lava flows from the Xitle cinder cone of the Sierra de Chichinautzin volcanic field have impacted pre-Columbian sites in the Valley of México, and archeologists have documented the impact of an eruption on villages of a 17th century NW-flank vent of San Salvador volcano. Two of the world's best examples of the formation of "new volcanoes" took place in central México, when the Jorullo and Parícutin cinder cones were added to the vast Michoacán-Guanajuato volcanic field in 1759 and 1943. The explosive eruption of Guatemala's Santa María volcano in 1902 was one of the world's largest 20th century eruptions, producing ashfall as far away as México City.

Most active volcanoes in region 14 occur in belts produced by subduction of Pacific oceanic crust beneath the southern edge of the North American Plate and the western edge of the Caribbean Plate. Large stratovolcanoes and silicic calderas are found here, but the region also contains many basaltic volcanic fields, particularly in the central valley of México and along the Guatemala-El Salvador border. A few other active volcanic fields in northern México are related to extensional tectonics of the Basin and Range Province, which split the Baja California peninsula from the mainland. Mafic behind-the-arc volcanic fields of Holocene and Pleistocene age also lie east of the volcanic front along the Caribbean Sea lowlands in Honduras, Nicaragua, and Costa Rica.

Honduras was not included in the *CAVW*, but Honduran volcanoes of Holocene age have since been recognized along the main volcanic front of Central America. Rather than break the geographic sequence, we have added the Honduran volcanoes at the end of subregion 1403, so that these volcanoes at the volcanic front in the Gulf of Fonseca area follow immediately after their Salvadorian neighbors. The Lake Yojoa volcanic field north of Honduras' largest lake and Utilia Island in the Caribbean Sea off the northern coast of Honduras then follow before resuming with subregion 1404 at the volcanic front on the Nicaraguan side of the Gulf of Fonseca.

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
MÉXICO - NW															
Prieto, Cerro (México-NW)	32.418 N	115.305 W	223	4567	DBAR	Lava dome	1401-00-	Holocene?							
Pinacate (México-NW)	31.772 N*	113.498 W	1200	2235	BXYTa	Cinder cones	1401-001	Holocene							
									? 1928	0609	....	....	---- ---- ?--- ---- ----		
									? 1934	1231	?1935	0102?	---- ---- ?--- ---- ----		
San Quintín Volc Field (Baja)	30.468 N*	115.996 W	260	5555	XB	Cinder cones	1401-002	Holocene?							
San Luis, Isla (México-Baja)	29.97 N	114.40 W	180	0135	RDABy	Tuff cone	1401-003	Holocene							
Jaraguay Volc Field (México-Baja)	29.33 N*	114.50 W	960	4445	AY	Cinder cones	1401-004	Holocene							
Coronado (México-Baja)	29.08 N	113.513 W	440	1245	U	Stratovolcano	1401-005	Fumarolic							
Guadalupe (Baja-W of)	29.07 N	118.28 W	1100	0000	YXBT	Shield volcano	1401-006	Holocene							
San Borja Volc Field (Baja)	28.50 N*	113.75 W	1360	3345	AYb	Cinder cones	1401-007	Holocene							
Unnamed (México-Baja)	28.00 N	115.00 W		0035	U	Submarine volc ?	1401-008	Uncertain							
									? 1953	0720	....	....	---- ?--- ---- ---- ----	0	
Tres Vírgenes (México-Baja)	27.470 N	112.591 W	1940	0335	AD	Stratovolcanoes	1401-01=	Holocene?							
									? 1746	0525m	....	....	x--- ---- ?--- ---- ----		
									? 1857	....	....	....	?--- ---- ---- ---- ----		
Tortuga, Isla (México-Baja)	27.43 N	111.88 W	210	0035	Ba	Shield volcano	1401-011	Holocene							
Comondú-La Purísima (Baja)	26.00 N*	111.92 W	780	4445	YAB	Volcanic field	1401-012	Holocene?							
MÉXICO - ISLANDS															
Bárcena (Revillagigedo Islands)	19.30 N	110.82 W	332	0000	TXYRb	Cinder cones	1401-02=	Historical							
South end of Isla San Benedicto									1952	0801	1953	0224d	x-x- ---- xx-- x-x- ----	3	7/8
Socorro (Revillagigedo Islands)	18.78 N	110.95 W	1050	0000	TRXBY	Shield volcano	1401-021	Historical							
Lower SW flank (near Bahia Braithwaite)									C-3090z	....	....	....	-x-- ---- x--- x--- ----		
									? 1848	....	....	....	---- ---- ---- ---- ----	2?	
									? 1896	....	....	....	---- ---- ---- ---- ----	2?	
									? 1905	01	....	....	---- ---- --?- ---- ----	2?	
SW flank (west of Lomas Coloradas)									1951	0522	1951	0522	-x-- ---- --x- ---- ----	2?	
Submarine vent 3 km W of Punta Tosca									1993	0129	1994	0224d	-x-- x--- ---- ---- ----	0	
MÉXICO - CENTRAL BELT & DURANGO															
Durango Volc Field (México)	24.15 N*	104.45 W	2075	6666	XB	Cinder cones	1401-022	Holocene							
Isabel, Isla (México)	21.848 N	105.886 W	95		BX	Tuff cones	1401-023	Holocene?							
Sangangüey (México)	21.45 N	104.73 W	2340	3466	ADBXT	Stratovolcano	1401-024	Holocene							
									? 1742	....	....	....	-?-- ---- ?--- ---- ----		
Ceboruco (México)	21.125 N	104.508 W	2280	3557	ADryt	Stratovolcano	1401-03=	Historical							
(Jala Pumice)									C 0930x	....	....	....	x--- ---- xx-x ---- ----	6	-/10
									1542	....	....	....	?--- ---- ---- ?--- ----		
									1567	....	....	....	?--- ---- ---- ?--- ----		
Upper west flank									1870	0221	1875	....	-x-- ---- x?-- x-x- -x--	3	9/8
Mascota Volc Field (México)	20.62 N*	104.83 W	2560	5557	AXY	Cinder cones	1401-031	Holocene							
Colima (México)	19.514 N	103.62 W	3850	2367	Adxyb	Stratovolcanoes	1401-04=	Historical							
									C-7690z	....	....	....	x--- ---- x--A ---- ----		
									C-7420z	....	....	....	x--- ---- xx-- ---- ----		
									C-6320x	....	....	....	x--- ---- x--- ---- ----		
(tephra unit P)									G-5880x	....	....	....	x--- ---- xx-- ---- ----		
									C-4960x	....	....	....	x--- ---- x--- ---- ----		
									C-4500x	....	....	....	x--- ---- x--- ---- ----		
(tephra units S,R)									G-4430y	....	....	....	x--- ---- xx-- ---- ----		
(tephra unit T)									G-4110v	....	....	....	x--- ---- x--- ---- ----		
(tephra unit U)									G-3600x	....	....	....	x--- ---- xx-- ---- ----		
									G-3510x	....	....	....	x--- ---- x--- ---- ----		
(tephra unit V)									G-3350y	....	....	....	x--- ---- xx-- ---- ----		
(tephra unit W)									T-3270?	....	....	....	x--- ---- x--- ---- ----		
(tephra units X,Y)									G-3180v	....	....	....	x--- ---- xx-- ---- ----		
									C-3030t	....	....	....	x--- ---- xx-- ---- ----		
									G-2800v	....	....	....	x--- ---- xx-- ---- ----		
									C-2370w	....	....	....	x--- ---- xx-- ---- --x-	4?	-/8
									G-1940y	....	....	....	x--- ---- xx-A ---- --x-		
									C-1890u	....	....	....	x--- ---- x--- ---- ----		
									C-1450v	....	....	....	x--- ---- x--- ---- ----		
									C-1320?	....	....	....	x--- ---- xx-- ---- ----		
									G-1170x	....	....	....	x--- ---- xx-- ---- ----		
									C-1140?	....	....	....	x--- ---- xx-- ---- ----		
									G-0650x	....	....	....	x--- ---- xx-A ---- ----		
									G 0540w	....	....	....	x--- ---- xx-- ---- ----		
									C 0730v	....	....	....	x--- ---- xx-- ---- ----		
									G 1110x	....	....	....	x--- ---- xx-- ---- ----		
									1519	....	1523	....	x--- ---- x--- ---- ----	3?	
									1560	....	....	....	---- ---- ?--- ---- ----	2	
									1576	....	....	....	x--- ---- xx-- ---- xx--	3	
									1585	0110	....	....	x--- ---- xx-- ---- -x--	4	
									1590	0114	1590	0115	x--- ---- xx-- ---- x---	3	
									? 1602	....	....	....	x--- ---- ?--- ---- ----	2?	
									1606	1125	1606	1213>	x--- ---- xx-- ---- -x--	4*	
									1611	0415	1613	....	x--- ---- xx-- ---- ----	3	
									1622	0608	1622	0609	x--- ---- xx-- ---- ----	4	
									1690	....	....	....	x--- ---- xx-- ---- ----	3?	
									1711	....	....	....	x--- ---- x--- ---- ----	3?	
									1743	1022	....	....	x--- ---- x--- ---- ----	2?	
									1744	....	....	....	x--- ---- x--- ---- -xx-	2	
									? 1749	....	....	....	x--- ---- ?--- ---- ----	2	
									1769	....	....	....	x--- ---- x--- ---- ----	2?	
									1770	0310	1770	0312	x--- ---- xx-- x--- -x--	3	

Jamie Allan (NSF)

Fuego de Colima (L) and Nevado de Colima

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Radial / Regional / Submarine / Subglacial / Summit caldera / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dom / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Colima (México) *continued*										1771	....	....	....		x--- ---- xx-- ---- ----	3	
										1780	1126	....	....		x--- ---- x--- ---- ----	2	
										1794	08	....	....		x--- ---- x--- ---- ----	2	
										1795	03	1795	09		x--- ---- x--- x--- ----	2	
										1804	....	....	....		---- ---- x--- ---- ----	2	
										1806	....	1809	....		x--- ---- xx-- x--- ----	2?	
										1818	0215	1818	0216?		x--- ---- xx-- ---- xx--	4	
										1819	....	....	....		x--- ---- x--- ---- ----	1	
		(crater filling and overflow discounted)							X	*1866*	*0304*	X*1868*	....		x--- ---- ---- ---- ----		
		NE flank (El Volcancito)								1869	0612	1869	0824>		xx-- ---- x-x- x-x- ----	3	8/-
		NE flank (El Volcancito)								1870	....	1871	....		-x-- ---- ---- x-x- ----	0	
		El Volcancito and main crater								1872	0226	1873	0327		xx-- ---- xx-- x-x- -x--	3*	
		NE flank (El Volcancito)								1874	0612	....	....		-x-- ---- x--- x-x- ----	1	
		NE flank (El Volcancito)								1875	....	1878	....		-x-- ---- x--- x-x- ----	1	
		Summit vent and SW flank								1879	1223	1880	0430		xx-- ---- xx-- x--- ----	1	
										1880	1201p	1881	0412		x--- ---- xx-- x--- ----	2*	
										1882	....	1884	....		x--- ---- x--- ---- ----	1	
										1885	1226	1886	10		x--- ---- xx-- x--- -x--	3?	
										1887	....	....	....		---- ---- ---- --x- ----	0	
										1889	0809	1890	0216		x--- ---- xx-- x--- ----	4*	
										1890	1118	....	....		x--- ---- xx-- ---- ----	2?	
										1891	07	1892	06		x--- ---- xx-- ---- ----	2	
										1893	1204	1902	....		x--- ---- xx-- x--- ----	2*	
										1903	0215	1903	08		x--- ---- xx-- x-x- ----	3	
										1904	....	1906	....		x--- ---- ?x-- x-x- ----	1?	
										1908	1218	1909	0701p		x--- ---- xxx- x--- ----	3	
										1913	0117	1913	0124		x--- ---- xx-- ---- xxx-	5*	-/9
										1926d	....	1931?	....		x--- ---- ?-x- --x- ----	1?	
									?	*1941*	*0415*	....	....		x--- ---- ??-- ---- -x--	*3?*	
										1957	0514	1960	....		x--- ---- --x- --x- ----	1	
										1961	....	1962	1201p		x--- ---- xx-- x-x- ----	1	6/-
										1963	....	1970	....		x--- ---- xx-- x-x- ----	1	
									?	*1973*	*0130*	....	....		x--- ---- x--- --x- ----	*1*	
										1975	1211?	1976	0620		x--- ---- -x-- x-x- ----	2	8/-
										1977	12	1982	06		x--- ---- xx-- x-x- ----	1	5/-
		(possibly confused with 1982 activity)							?	*1983*	*0211*	?*1983*	*0215*		x--- ---- x--- x-x- ----	*1?*	
										1985	....	1986	0105d		x--- ---- x--- ---- ----	1	
		East side of summit lava dome								1987	0702	1987	0702		x--- ---- -xx- ---- ----	1	
									?	*1988*	*0615w*	....	....		x--- ---- x--- ---- ----	*2?*	
										1991	0301	1991	10		x--- ---- xx-- x-x- -xx-	2	7/6
		West of 1987 explosion crater								1994	0721	1994	0721		x--- ---- xxx- ---- ----	1	-/5
		1994 crater								1997	1122	2010>	....		x--- ---- xx-- x-x- --x-	3*	7/6
Michoacán-Guanajuato (México)	19.85	N* 101.75 W	3860	7777		AByxd		**Cinder cones**		**1401-06=**		**Historical**					
		Hoyo el Huanillo								C-7350y	....	....	....		x--- ---- x--- x--- ----	3	-/7
		Cerro la Taza								C-6480y	....	....	....		x--- ---- x--- x--- ----	3	-/7
		Cerro el Metate								C-2750x	....	....	....		x--- ---- x--- x--- ----	3	-/7
		Valle de Santiago (La Alberca)								A-2050?	....	....	....		x--- ---- xxx- ---- ----		
		Cerro el Jabalí								C-1880w	....	....	....		x--- ---- x--- x--- ----	3	
		Valle de Santiago							?	*1050l*	....	....	....		x--- ---- ?--- ---- ----		
		Jorullo								1759	0929	1774	....		xx-x ---- xxx- x--- -xx-	4*	8/9
		Paricutín								1943	0220	1952	0225		xx-x ---- x--- x--- xx--	4	8/9
Zitácuaro-Valle de Bravo (México)	19.40	N* 100.25 W	3500	6667		DAByx		**Caldera**		**1401-061**		**Ar/Ar**					
		West of Valle de Bravo								K-3050*	....	....	....		---- ---- ---- x--- ----	0	
Jocotitlán (México)	19.73	N 99.758 W	3900	4568		DA		**Stratovolcano**		**1401-062**		**Radiocarbon**					
										C-7740u	....	....	....		x--- ---- xx-A ---- ----		
										C 1270u	....	....	....		x--- ---- xx-- ---- ----		
Toluca, Nevado de (México)	19.108	N 99.758 W	4680	3478		ADty		**Stratovolcano**		**1401-07-**		**Radiocarbon**					
										C-1350?	....	....	....		---- ---- xx-- --x- ----		
Chichinautzin (México)	19.08	N* 99.13 W	3930	6678		AYDBx		**Volcanic field**		**1401-08=**		**Radiocarbon**					
		Volcán Pelado								C-7930z	....	....	....		x--- ---- x--- x--- ----	3	9/7
		Tres Cruces								G-7370y	....	....	....		x--- ---- x--- ---- ----	4	-/8
		Cerro Tetepetl (Tenango lava flow)								G-7290*	....	....	....		x--- ---- ---- x--- ----	0	
		Cuauhtzin								C-5840z	....	....	....		x--- ---- x--- x-x- --x-		8/-
		Tláloc								C-4250u	....	....	....		x--x ---- x--- x--- ----	3?	9/7
		Guespalapa								G-2240*	....	....	....		x--x ---- x--- x--- ----	3	8/7
		Chichinautzin								G 0200v	....	....	....		x--- ---- x--- x--- ----	3	8/7
		Xitle								G 0400v	....	....	....		xx-- ---- x--- x--- -x--	3?	9/-
Papayo (México)	19.308	N 98.70 W	3600	3478		D		**Lava dome**		**1401-081**		**Holocene**					
Iztaccíhuatl (México)	19.179	N 98.642 W	5230	2478		ADrby		**Stratovolcano**		**1401-082**		**Holocene**					
Popocatépetl (México)	19.023	N 98.622 W	5426	3468		ADBy		**Stratovolcanoes**		**1401-09=**		**Historical**					
		Volcán El Fraile								C-7150?	....	....	....		x--- ---- xx-- ---- ----	P	
		Volcán El Fraile								T-6250z	....	....	....		x--- ---- x--- ---- ----		
		Volcán El Fraile								C-5150?	....	....	....		x--- ---- xx-- ---- ----	P	
		Volcán El Fraile								C-3010x	....	....	....		x--- ---- xx-- ---- -xx-	P	
		Volcán El Fraile								C-2370u	....	....	....		x--- ---- xx-- ---- ----		
		Volcán El Fraile								C-1890u	....	....	....		x--- ---- x--- ---- ----		
										C-0200y	....	....	....		x--- ---- xx-- ---- -xx-	P	
										C 0250?	....	....	....		x--- ---- xx-- x--- -xx-		
										I 0823	0301t	....	....		x--- ---- xx-- ---- -xx-	P	
										1345	....	1347	....		x--- ---- ?--- ---- ----	2?	
										1354	....	....	....		x--- ---- x--- ---- ----	2?	
									?	*1363*	....	....	....		x--- ---- ?--- ---- ----	*2?*	
										1488	....	....	....		x--- ---- ?--- ---- ----	2?	
										1504	....	....	....		x--- ---- ?--- ---- ----	2?	
									?	*1509*	....	....	....		x--- ---- ---- ---- ----		
										1512	....	....	....		x--- ---- x--- ---- ----	2?	
										1518	....	....	....		x--- ---- ?--- ---- ----	2?	
										1519	09	1523?	....		x--- ---- x--- ---- ----	3?	
										1528	....	....	....		x--- ---- ?--- ---- ----	2?	
										1530	....	....	....		x--- ---- x--- ---- ----	2	
										1539	....	1540	....		x--- ---- x--- ---- ----	2	
										1542	....	....	....		x--- ---- ?--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER — Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional; Submarine / New island / Subglacial / Crater lake; Explosive / Pyro flow / Phreatic / Caldera; Lava flow / Lava lake / Dome / Spine; Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Popocatépetl (México) *continued*							1548	....	....	....	x--- ---- x--- ---- ----	2	
							1571	....	....	....	x--- ---- x--- ---- ----	2	
							1580	....	....	....	x--- ---- ?--- ---- ----	2?	
							1590	....	....	....	x--- ---- ?--- ---- ----	2?	
							1592	....	1594	10	x--- ---- x--- ---- ----	2	
							1642	....	....	....	x--- ---- x--- ---- ----	2	
							1663	1013	1665	1019	x--- ---- x--- ---- ----	3?	
							1666	....	1667	....	x--- ---- ?--- ---- ----	2?	
							1697	1020	....	....	x--- ---- ?--- ---- ----	1	
							1720	....	....	....	x--- ---- ?--- ---- ----	1	
							1802	....	1804	....	x--- ---- ?--- ---- ----	1	
							? *1827*	....	....	....	x--- ---- ?--- ---- ----	*1?*	
							? *1834*	....	....	....	x--- ---- ?--- ---- ----	*1?*	
							? *1852*	....	....	....	x--- ---- ?--- ---- ----	*1?*	
							1919	0219?	1922	....	x--- ---- x-x- --x- x---	1	
							1923	1127	1924	0307	x--- ---- x--- ---- ----	1	
							1925	....	1927?	....	x--- ---- x--- ---- ----	2	
							1933	0123	....	....	x--- ---- x--- ---- ----	1	
							1942	....	1943	....	x--- ---- x-x- ---- ----	1	
							1947	01	1947	02	x--- ---- x-x- ---- ----	1	
							1994	1221	1995	1005	x--- ---- x-x- ---- ----	2	
							1996	0305	2003	1122?	x--- ---- xx-- x-x- xxx-	3*	7/-
							2004	0526	2004	0526	x--- ---- x--- ---- ----	2	
							2005	0109	2010>	....	x--- ---- x-x- --x- ----	2	
Malinche, La (México)	19.231 N	98.032 W	4461	2477	AD	**Stratovolcano**	**1401-091**		**Radiocarbon**				
							C-6890z	....	....	....	x--- ---- xx-- ---- ----		
							C-6710x	....	....	....	x--- ---- x--- ---- --x-		
							C-6310u	....	....	....	x--- ---- x--- ---- --x-		
							C-6120v	....	....	....	x--- ---- xx-- ---- ----		
							C-5870v	....	....	....	x--- ---- xx-- ---- ----		
							C-5580y	....	....	....	x--- ---- xx-- ---- ----		
							C-1170t	....	....	....	x--- ---- xx-- --x- -xx-		
Serdán-Oriental (México)	19.27 N*	97.47 W	3485	5567	RADyb	**Tuff cones**	**1401-092**		**Holocene**				
Humeros, Los (México)	19.68 N	97.45 W	3150	4567	RADBt	**Calderas**	**1401-093**		Holocene?				
Atlixcos, Los (México)	19.809 N	96.526 W	800	4567	BAd	**Shield volcano**	**1401-094**		**Holocene**				
Naolinco Volc Field (México)	19.67 N*	96.75 W	2000	6667	BAXyt	**Pyroclastic cones**	**1401-095**		**Radiocarbon**				
	Rincón de Chapultepec						G-1200v	....	....	....	xx-- ---- xx-- x--- ----		8/-
Cofre de Perote (México)	19.492 N	97.15 W	4282	3567	ADbxy	**Shield volcanoes**	**1401-096**		**Radiocarbon**				
	Lower NE flank (El Volcancillo)						G 1150v	....	....	....	-x-x ---- x--- x--- ----	2	9/-
Gloria, La (México)	19.33 N*	97.25 W	3500	6667	AYBd	**Volcanic field**	**1401-097**		**Holocene**				
Cumbres, Las (México)	19.15 N	97.27 W	3940	3467	ADR	**Stratovolcano**	**1401-098**		**Radiocarbon**				
	North flank (Yolotepec lava dome)						C-3920t	....	....	....	-x-- ---- ---- --x- ----		
Orizaba, Pico de (México)	19.030 N	97.268 W	5675	3467	ADryt	**Stratovolcano**	**1401-10=**		**Historical**				
							C-7530s	....	....	....	x--- ---- xx-- ---- ----		
	(lower Citlaltépetl ignimbrite)						C-7030t	....	....	....	x--- ---- xxx- --x- ----	4	-/8
	(upper Citlaltépetl ignimbrite)						C-6710w	....	....	....	x--- ---- xx-- --x- ----	5?	-/9
							C-6220u	....	....	....	x--- ---- xx-- --x- ----	3	-/7
							C-4690y	....	....	....	x--- ---- xx-- --x- ----	3	-/7
							C-2780u	....	....	....	x--- ---- xx-- ---- ----	3	
							C-2500u	....	....	....	x--- ---- xx-- ---- ----	3	
	(La Perla unit)						C-2300u	....	....	....	x--- ---- xx-- x-x- --x-	4	-/8
							C-2110v	....	....	....	x--- ---- x--- ---- ----	3	
							C-1500u	....	....	....	x--- ---- x--- ---- ----	3	
							C-0780t	....	....	....	x--- ---- xx-- ---- ----	3	
							C 0040s	....	....	....	x--- ---- xx-- ---- ----	3	
							C 0090s	....	....	....	x--- ---- x--- x-x- -x--	3	7/7
							C 0140t	....	....	....	x--- ---- x--- ---- ----	3	
							C 0220u	....	....	....	x--- ---- xx-- ---- ----	3	
							? *1157*	....	....	....	x--- ---- ?--- ---- ----	*2*	
							A 1175	....	....	....	x--- ---- x--- ---- ----	3?	
							? *1187*	....	....	....	x--- ---- ?--- ---- ----	*2*	
							C 1260t	....	....	....	x--- ---- x--- ---- ----	3	
							? *1351*	....	....	....	x--- ---- ?--- ---- ----	*2*	
							? *1533*	....	?*1539*	....	x--- ---- ?--- ?--- ----	*2?*	
							1545	....	?*1555*j	....	x--- ---- x--- x--- ----	2	8/-
							1566	....	....	....	x--- ---- x--- x--- ----	2	
							1569	....	1589	....	x--- ---- x--- ---- ----	2	
	(eruption in 1613, not 1630)						1613	....	....	....	x--- ---- ---- x--- ----	0	
							1687	....	....	....	x--- ---- x--- ---- ----	2	
							1846	....	....	....	x--- ---- x--- ---- ----	2	
San Martín (México)	18.57 N	95.20 W	1650	3467	XB	**Shield volcano**	**1401-11=**		**Historical**				
							C-3440t	....	....	....	---- ---- x--- ---- ----		
							C-2130t	....	....	....	-?-- ---- x--- ---- ----		
	South flank (Cerro Mono Blanco)						C-1320y	....	....	....	-x-- ---- x--- ---- -x--		
							C-0750s	....	....	....	---- ---- x--- ---- ----		
	South flank						T-0150y	....	....	....	-x-- ---- x--- ---- ----		
	South flank (Cerro Puntiagudo)						C 0120x	....	....	....	-x-- ---- x--- x--- ----		
	South flank						T 0380u	....	....	....	-x-- ---- x--- ---- ----		
							C 0480t	....	....	....	-?-- ---- x--- ---- ----		
							C 0890s	....	....	....	---- ---- x--- ---- ----		
							? *1534?*	....	....	....	---- ---- ?--- ---- -?--		
	SE flank						1664	0115?	....	....	-x-- ---- x--- x--- ----	3	
	Cinder cones in summit crater						1793	0302	1793	12	x--- ---- x--- x--- -x--	4	7/8
							1794	05	1796	....	x--- ---- x--- ?--- ----	2?	
							? *1797*	....	?*1805*	....	---- ---- ---- ---- ----	*2?*	
							? *1838*	....	....	....	---- ---- ---- ---- ----		
							? *1932*	*1231*y	....	....	---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
— Area of Activity												Central / Flank / Fissure / Radial / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
MÉXICO - S														
Chichón, El (México)	17.360 N	93.228 W	1150	4567	Yxa	**Lava domes**	1401-12=	**Historical**						
(tephra unit L)						G-6510u						x--- ---- xx-- ---- ----		
(tephra unit K)						G-2030v						x--- ---- xx-- ---- ----	5	-/9
(tephra unit J)						G-1340w						x--- ---- xx-- ---- ----		
(tephra unit I)						G-0700x						x--- ---- xx-- ---- -x--		
(tephra unit H)						G-0020t						x--- ---- xx-- ---- ----		
(tephra unit G)						G 0190w						x--- ---- xx-- ---- ----		
(tephra unit F)						G 0480x						x--- ---- xx-- ---- ----		
(tephra unit E)						G 0590v						x--- ---- xx-- ---- ----	3	-/7
(tephra unit D)						G 0780v						x--- ---- xx-- ---- -x--	5	-/9
(tephra unit C)						G 1190w						x--- ---- xx-- ---- ----	4	-/8
(tephra unit B)						G 1360v						x--- ---- xx-- --?- xxx-	5	-/9
						A 1850?						x--- ---- x--- ---- ----		
(tephra unit A)						1982	0328	1982	0911	x--- ---- xxx- ---- xxx-			5*	-/9
Tacaná (México/Guatemala)	15.130 N	92.112 W	4060	4567	ADby	**Stratovolcano**	1401-13=	**Historical**						
						G-9450w						---- ---- xx-- ---- ----		
						C-5940z						---- ---- xx-- ---- ----		
						G-5720x						---- ---- xx-- ---- ----		
						G-4740x						---- ---- xx-- ---- ----		
						G-1080w						---- ---- xx-- ---- ----		
San Antonio (upper SW flank)						G 0070v						-x-- ---- xx-- x-x- -xx-	4?	-/8
						C 1030s						---- ---- xx-- ---- ----		
SW side						? *1855*	*0112*					--x- ---- ?-?- ---- ----		*1*
SW side						1878						--x- ---- x-x- ---- ----		1
SW flank						1949	1222	1950	01	-x-- ---- x-x- ---- ----				1
NE flank (ca. 3600 m)						1986	02	1986	06	-x-- ---- --x- ---- ----				1
GUATEMALA														
Tajumulco (Guatemala)	15.034 N	91.903 W	4220	4567	DA	**Stratovolcano**	1402-02=	**Holocene**						
						? *1821*						---- ---- ?--- ---- ----		*2*
						? *1863*						x--- ---- ?--- ---- ----		*2*
Santa María (Guatemala)	14.756 N	91.552 W	3772	4677	DAb	**Stratovolcano**	1402-03=	**Historical**						
SW flank						1902	1024	1902	1112	-x-- ---- x-x- ---- xxx-			6?	-/10
SW flank (east end of 1902 crater)						1903		1913		-x-- ---x x-x- ---- ----			2	
SW flank (Santiaguito)						1922	0622	2010>		-x-- ---- xxx- x-xx xxx-			3*	9/8
Almolonga (Guatemala)	14.82 N	91.48 W	3197	5677	DAb	**Stratovolcano**	1402-04=	**Historical**						
Cerro Quemado						G 0800t						x--- ---- xx-A --x- --x-	3	7/7
Cerro Quemado						1765	1024	1765	1025	-x-- ---- x--- x--- -x--			2	
(1785 date refers to 1765 eruption)						X *1785*				---- ---- ---- ---- ----				
East flank of Cerro Quemado						1818	0116	1818	0619>	-x-- ---- x--- x--- -x--			2	
(fumarolic activity only: Sapper 1917)						X *1823*				---- ---- ---- ---- ----				
(earthquake, not eruption: Sapper 1917)						X *1891*				---- ---- ---- ---- ----				
Atitlán (Guatemala)	14.583 N	91.186 W	3535	4567	ARDb	**Stratovolcano**	1402-06=	**Historical**						
						C-1020w						---- ---- xx-- x--- ----		
						1469						---- ---- x--- ---- ----		3↑
						1505?						---- ---- x--- ---- --x-		3?
						1579?		1581	1231p	---- ---- x--- ---- ----			2	
						1663				---- ---- x--- ---- --x-			2	
(possibly eruption of Fuego volcano)						@ 1717	0829	@1721		---- ---- ---- ---- ----				
						1826	11			---- ---- x--- ---- ----			2	
						1827	0327			---- ---- x--- ---- ----			2	
						1827	0901	1828	01 ?	---- ---- x?-- x--- -x--			3	
						1833				---- ---- x?-- ---- -x--			2	
						1837	06			---- ---- x--- ---- ----			2	
						1843	07			x--- ---- x--- x--- ----			2	
						? *1852*				---- ---- ?--- ---- ----			*2?*	
						1853	0503			---- ---- x?-- ---- -xx-			3	
						? *1856*				---- ---- ?--- ---- ----			*2*	
Tolimán (Guatemala)	14.612 N	91.189 W	3158	4567	A	**Stratovolcano**	1402-07=	**Holocene**						
Acatenango (Guatemala)	14.501 N	90.876 W	3976	4577	ADb	**Stratovolcano**	1402-08=	**Historical**						
Yepocapa						C-2710u						x--- ---- xx-- ?--- ----		
Pico Central						C-0370x						x--- ---- xx-- ---- ----		
Pico Central						C-0260u						x--- ---- x--- ---- ----		
Pico Central						C 0090v						x--- ---- x--- ---- ----		
						A 1450t				---- ---- x--- ---- ----				
North slope of Pico Central						1924	1218	1925	0607	--x- ---- x--- ---- ----			3*	
Pico Central						1926	08	1927	0519	x--- ---- x-x- ---- ----			2*	
Pico Central-Yepocapa saddle						1972	1112	1972	12	-?x- ---- x-x- ---- ----			1	
Fuego (Guatemala)	14.473 N	90.880 W	3763	4577	BAy	**Stratovolcano**	1402-09=	**Historical**						
						C-1580u						---- ---- x--- ---- ----		
						C 0590u						---- ---- x--- ---- ----		
						C 0900u						---- ---- x--- ---- ----		
						C 0970t						---- ---- x--- ---- ----		
						1524	0430p	1524	0715q	---- ---- x--- ---- ----			2	
(possibly only earthquakes)						? *1526*				---- ---- ?--- ---- ----			*2*	
						1531	1231p			---- ---- x--- ---- ----			2	
(possibly an eruption of Atitlán)						@ 1541				---- ---- ?--- ---- ----				
						1542	0114			---- ---- ---- ---- ----				
						1551		1552	0331>	---- ---- x--- ---- ----			2	
(possibly only an earthquake)						? *1557*	*0115*			---- ---- ?--- ---- ----				
(possibly same as 1557 event)						? *1559*	*0116*			---- ---- ?--- ---- ----				
(possibly only earthquakes)						? *1565*				---- ---- ?--- ---- ----			*2*	
(possibly same as 1581 eruption)						? *1571*	*1225*			---- ---- x--- ---- ----				
(possibly only earthquakes)						? *1575*				---- ---- ?--- ---- ----			*2*	
(possibly only an earthquake)						? *1576*				---- ---- ?--- ---- ----			*2*	
(possibly only earthquakes)						? *1577*				---- ---- ?--- ---- ----			*2*	
						1581	1205	1582	0115	x--- ---- x--- x--- -x--			4?	-/8
						1585	0115	1585	07	---- ---- x--- ---- ----			2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Fuego (Guatemala) *continued*								**1586**	0603b	**1586**	12	x--- ---- x--- x--- ----	2	
								1587	0724	....		---- ---- x--- ---- ----	2	
								1614	....	....		---- ---- x--- ---- ----	2	
								1617	....	....		---- ---- x--- ---- -x--	3	
								1620	....	....		---- ---- x--- ---- ----	2	
								1623	01	....		---- ---- x--- ---- ----	2	
								1629	....	**1632**	....	---- ---- x--- ---- ----	2	
(possibly only earthquakes)							?	*1679*	....	....		---- ---- ?--- ---- ----		
(pumice seen off Guatemala coast)							@	**1685**	09	....		---- ---- x--- ---- ----	2	
								1686	....	....		---- ---- x--- ---- ----	2	
(possibly only an earthquake)							?	*1689*	....	....		---- ---- ?--- ---- ----	*2*	
								1699	....	....		---- ---- x--- ---- ----	2	
								1702	0804	....		---- ---- x--- ---- ----	2	
								1705	0131	**1705**	0202	---- ---- x--- ---- --?-	2	
								1706	1004	....		---- ---- x--- ---- ----	2	
(possibly same as 1710 eruption)							?	*1709*	*1014*	....		---- ---- ---- ?--- ----		
								1710	1014	....		---- ---- x--- ---- ----	2	
								1717	0827	**1717**	1226e	---- ---- x--- ---- -x--	4?	-/8
								1730	09	....		---- ---- x--- ---- ----	2	
								1732	05	....		---- ---- x--- ---- ----	2	
								1737	0827	**1737**	0924	-x-- ---- x--- ---- ----	4?	-/8
(possibly only an earthquake)							?	*1751*	....	....		---- ---- ?--- ---- ----	*2*	
(possibly only an earthquake)							?	*1765*	....	....		---- ---- ?--- ---- ----	*2*	
(possibly only earthquakes)							?	*1773*	....	....		---- ---- ?--- ---- ----	*2*	
								1799	....	....		---- ---- x--- ---- ----	3	-/7
								1826	....	....		x--- ---- x--- ---- ----	2	
								1829	....	....		---- ---- x--- ?--- ----	2	
							?	*1850*	....	....		---- ---- ?--- ---- ----	*2*	
							?	*1852*	....	....		---- ---- ?--- ?--- ----	*2*	
								1855	0929	**1855**	0930	---- ---- x--- ---- ----	2	
								1856	0109	**1856**	0307	---- ---- x--- x--- ----	2	
								1856	0929	**1856**	0930	---- ---- x--- x--- ----	2	
								1857	0115	**1857**	0217	x--- ---- x--- x--- ----	4?	-/8
								1857	0917	....		---- ---- x--- x--- ----	2	
								1860	0818	**1860**	0923	x--- ---- x--- x--- -x--	2	
							?	*1861*	*1121*	....		---- ---- ?--- ---- ----	*2*	
							?	*1867*	....	....		---- ---- ?--- ---- ----	*2*	
								1880	0628	**1880**	0820	---- ---- x--- x--- ----	4?	-/8
								1896	0110	....		---- ---- x--- ---- ----	2?	
								1932	0121	**1932**	0122	x--- ---- xx-- ---- x---	4	-/8
								1944	1201p	....		---- ---- x--- ---- ----	2	
								1947	....	....		---- ---- x--- ---- ----	2	
								1949	11	....		---- ---- x--- ---- ----	2	
								1953	0409	**1953**	0413	x--- ---- x--- x-x- ----	3	
								1955	0726e	....		x--- ---- x--- x--x ----	1	
								1957	0219	**1957**	0221>	x--- ---- xx-- ---- ----	3	-/7
								1962	0804	**1962**	1109	x--- ---- x--- x--- --x-	3*	6/7
								1963	0928	**1963**	0930	x--- ---- xx-- x--- xxx-	3	-/6
								1966	0207	**1966**	0501	x--- ---- xx-- x--- ----	3*	
								1966	0812	**1966**	0813	x--- ---- x--- ---- ----	3	-/6
								1967	0422	**1967**	0424	x--- ---- x--- ---- ----	2	-/6
								1971	0914	**1971**	0915	x--- ---- xx-- ---- xxx-	3	-/7
								1973	0223	**1973**	0323	x--- ---- xx-- ---- --x-	2	-/6
								1974	1010	**1974**	1204	x--- ---- xx-- ---- xx--	4*	-/8
								1975	0528	**1975**	1021	x--- ---- xx-- ---- ----	1	-/5
								1977	0303	**1977**	0419	x--- ---- x--- ---- ----	1	-/4
								1977	0911	**1979**	0808	x--- ---- xx-- x-x- ----	2	-/6
								1987	0105d	**1987**	02 ?	x--- ---- x--- ---- ----	1	
								1999	0521	**2000**	1209>	x--- ---- xx-- x--- -xx-	2*	
								2002	0104	**2010>**	....	x--- ---- xx-- x--- --x-	2	

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Fuego in eruption in 1974 and Acatenango (R) above Antigua Guatemala

Agua (Guatemala)	14.465N	90.743W	**3760**	4677	**Ad**	**Stratovolcano**		**1402-10=**	**Holocene**					
(mudflow, not eruption)						X	*1541*	*0911*	....		---- ---- ---- ---- xxx-		
Pacaya (Guatemala)	14.381N	90.601W	**2552**	4577	**BDRAy**	**Complex volcano**		**1402-11=**	**Historical**					
(Pc-Pt 1 tephra)						C	**0400**t	....			x--- ---- x--- ---- ----	2	
(Pc-Pt 5 tephra, Pacaya debris avalanche)						T	**0880**z	....			x--- ---- xx-A ---- ----	3?	
MacKenney Crater (Pc-Pt 10 tephra)						C	**1160**u	....			x--- ---- x--- ---- ----	3?	
Cerro Chino (Pc-Pt 8 tephra)						C	**1360**u	....			-x-- ---- x--- ---- ----	3?	
Cerro Chino (Pc-Pt 12 tephra)							**1565**	08 ?	....		-x-- ---- x--- x--- -x--	3	
							1623?	....			---- ---- x--- ---- -x--	3	
							1651	0218	**1651**	0413	-x-- ---- x--- x--- ----	2	
							1655	07	....		---- ---- x--- ---- ----	2	
							1664	....	....		---- ---- x--- ---- ----	3	
							1668	08	**1669**	0629	---- ---- x--- ---- ----	2	
							1671	08	....		---- ---- x--- ---- ----	2	
							1674	07	....		---- ---- x--- ---- ----	2	
(possibly same as 1674 eruption)						?	*1677*	*07*	....		---- ---- ?--- ---- ----		
							1678	08 ?	....		---- ---- x--- ---- ----	2	
							1687	0326	**1687**	0327	---- ---- x--- ---- ----	2	
							1690	....	....		---- ---- x--- ---- ----	2?	
							1693	....	....		---- ---- ?--- ---- ----	2?	
							1699	0629	....		---- ---- ?--- ---- ----	2?	
						?	*1717*	....	....		---- ---- ?--- ---- ----		
						?	*1760*	....	....		---- ---- ?--- ---- ----		
Cerro Chino (SW flank and summit)							**1775**	0701	**1775**	0723>	-xx- ---- x--- x--- ----	3	7/7
							1805	....	....		---- ---- x--- ---- ----	2	
						?	*1830*	....	....		---- ---- ?--- ---- ----		
Cerro Chino							**1846**	02	....		-x-- ---- x--- ---- ----	2	
							1885	12	....		---- ---- x--- ---- ----	2	
Cachajinas vent (South flank, 1860 m)							**1961**	0311	**1961**	0415?	-xx- ---- x--- x--- -x--	2	6/-
MacKenney Crater and flank vents							**1965**	0704	**1989**	0310	xxx- ---- xx-- xx-- -x--	3*	
MacKenney Crater and flank vents							**1990**	0104?	**2000**	0301	x-x- ---- xx-- x--- xx--	3*	
MacKenney Crater							**2000**	08	**2001**	0705?	x--- ---- x--- -x-- -x--	1	
MacKenney Crater							**2001**	1031	**2001**	1031	x--- ---- x--- ---- ----	1	
MacKenney Crater							**2002**	0530	**2002**	0617?	x--- ---- ?--- ---- ----	1?	
MacKenney Crater							**2004**	0719?	**2010>**	....	x--- ---- x--- x--- ----	1	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10 km	POPL 100 km	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Cuilapa-Barbarena (Guatemala)	14.33 N*	90.40 W	1454	6667			BA	**Volcanic field**	1402-111	**Holocene**							
Tecuamburro (Guatemala)	14.156 N	90.407 W	1845	4567			Ad	**Stratovolcano**	1402-12=	**Radiocarbon**							
NW flank (Ixpaco Crater)								C-0960u			....	....	....	....	-x-- ---- --x- ---- ----		
Jumaytepeque (Guatemala)	14.336 N	90.269 W	1815	5567			B	**Stratovolcano**	1402-121	Holocene?							
Moyuta (Guatemala)	14.03 N	90.10 W	1662	4567			Adb	**Stratovolcano**	1402-13-	**Hot Springs**							
Flores (Guatemala)	14.308 N*	89.992 W	1600	6667			B	**Volcanic field**	1402-14-	**Holocene**							
Tahual (Guatemala)	14.43 N	89.90 W	1716	5567			BA	**Stratovolcano**	1402-141	**Holocene**							
Santiago, Cerro (Guatemala)	14.33 N*	89.87 W	1192	6667			B	**Volcanic field**	1402-15-	**Holocene**							
Suchitán (Guatemala)	14.40 N	89.78 W	2042	4567			ABD	**Stratovolcanoes**	1402-16-	**Holocene**							
(probably Atitlán eruption)								? 1469			....	....	....	....	---- ---- ---- ---- ----		
Chingo (Guatemala)	14.12 N*	89.73 W	1775	6667			AB	**Stratovolcano**	1402-17-	**Holocene**							
Ixtepeque (Guatemala)	14.42 N*	89.68 W	1292	6667			RBA	**Lava domes**	1402-18-	**Holocene**							
Ipala (Guatemala)	14.55 N	89.63 W	1650	4567			B	**Stratovolcano**	1402-19-	**Holocene**							
Chiquimula Volc Field (Guat)	14.83 N*	89.55 W	1192	6667			BA	**Cinder cones**	1402-20-	**Holocene**							
Quezaltepeque (Guatemala)	14.57 N	89.45 W	1200	4567			B	**Volcanic field**	1402-21-	**Holocene**							

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San Diego (El Salvador)	14.27 N*	89.48 W	781	6667			B	**Volcanic field**	1403-001	**Holocene**							
Singüil, Cerro (El Salvador)	14.05 N*	89.65 W	957	5667			B	**Cinder cones**	1403-002	**Holocene**							
Apaneca Range (El Salvador)	13.891 N	89.786 W	2036	5677			BAYDR	**Stratovolcanoes**	1403-01=	**Holocene**							
(small hydrothermal explosion)								X 1990	1013		....	....	....	....	---- ---- ---- ---- xx--		
Santa Ana (El Salvador)	13.853 N	89.630 W	2381	3577			AYBdr	**Stratovolcano**	1403-02=	**Historical**							
								? 1520	....		....	....	....	....	---- ---- ?--- ---- ----		
									1521	1231y	....	....	....	....	---- ---- x--- ---- -x--	3	
									1524	0430p	....	....	....	....	---- ---- x--- ---- ----	3	
									1570?	....	....	....	....	....	---- ---- x--- ---- ----		
									1576	....	....	....	....	....	---- ---- x--- ---- ----	3	
								? 1621	....		....	....	....	....	---- ---- ---- ---- ----		
(doubtful San Marcelino eruption)								X 1650t	....		....	....	....	....	--?- ---- ---- ?--- -?--		
SE flank (San Marcelino)									1722	0312	....	....	....	....	-xx- ---- x--- x--- -x--	2	
									1734	06 <	....	....	....	....	---- ---- x--- ---- -x--	2?	
									1874	....	....	....	....	....	---- ---- x--- ---- -x--	3	
								? 1878	....		....	....	....	....	---- ---- ?--- ---- ----	2	
									1879	0201p	....	....	....	....	---- ---- x--- ---- ----	2	
NW flank (Mala Cara)									1880	03	....	....	....	....	-x-- ---- x--- ---- -x--	3	
								? 1882	....		....	....	....	....	---- ---- ---- ---- ----		
									1884	0309	1884	0310	....	....	---- ---- x--- ---- ----	2	
									1904	0112	1904	0126?	....	....	x--- ---- x--- ---- ----	2	
								? 1920	11		....	....	....	....	---- ---- ?--- ---- ----	2?	
									2005	0616	2005	1001?	....	....	x--- ---x xxx- ---- xxx-	3*	
Izalco (El Salvador)	13.813 N	89.633 W	1950	3577			Ab	**Stratovolcano**	1403-03=	**Historical**							
(fumarolic activity prior to 1770)								X 1636	....		....	....	....	....	---- ---- ---- ---- ----		
									1770	0223	....	....	....	....	---- ---- x--- x--- ----	2	
									1772?	....	....	....	....	....	---- ---- x--- ---- ----	2	
									1783	07 ?	....	....	....	....	--?- ---- ---- x--- ----	0	
									1793	0329	1793	09	....	....	---- ---- x--- x--- ----	2	
									1798	04	....	....	....	....	x--- ---- x--- ?--- ----	2	
									1802	....	1803	....	....	....	---- ---- x--- x--- ----	2	
									1805	....	1807	....	....	....	---- ---- x--- ---- ----	2	
									1817	....	....	....	....	....	---- ---- x--- ---- ----	2	
									1825	....	....	....	....	....	---- ---- x--- x--- ----	2	
									1836	....	....	....	....	....	---- ---- x--- ---- ----	2	
									1838	....	1840	....	....	....	x--- ---- x--- x--- ----	2	
									1842	....	....	....	....	....	---- ---- x--- ---- ----	2	
									1844	06	1844	10	....	....	---- ---- x--- x--- ----	2	
									1850	....	....	....	....	....	x--- ---- x--- ---- ----	2	
									1854	0513	1854	0608	....	....	---- ---- x--- x--- ----	2	
Summit and south flank									1856	0524	1856	0901a	....	....	x-x- ---- x--- x--- -x--	2	
									1857	0215	1857	0219>	....	....	x--- ---- x--- x--- ----	2	
									1858	0206	1859	07	....	....	---- ---- x--- ?--- ----	2	
									1859	1208	1860	0122	....	....	---- ---- ---- x--- ----	0	
									1863	....	....	....	....	....	---- ---- ---- x--- ----	0	
Summit and NE flank									1864	0515b	1865	0615e	....	....	xx-- ---- x--- x--- ----	2	
									1866	0427	1866	0815e	....	....	---- ---- x--- ---- ----	2	
									1867	04	1867	08	....	....	---- ---- x--- ---- ----	2	
									1868	0216	1868	0217	....	....	---- ---- ?--- ---- ----	2	
Summit and east flank									1869	0301?	1869	0618>	....	....	xxx- ---- xx-- x--- -x--	2	
(possibly confused with May 19, 1869)								? 1870	0519		....	....	....	....	---- ---- ---- ?--- ----	2?	
									1872	12	1873	0319>	....	....	---- ---- x--- ---- ----	2	
								? 1874	....		?1875	....	....	....	---- ---- ---- ---- ----		
									1878	....	....	....	....	....	---- ---- ---- ---- ----		
									1879	1225	1880	03	....	....	---- ---- x--- ---- ----	2	
									1881	0101	....	....	....	....	---- ---- ---- x--- ----	0	
									1882	0712	....	....	....	....	---- ---- x--- ---- ----	2	
									1883	0905d	1883	1113	....	....	-x-- ---- x--- ---- ----	2	
									1884	0309	1884	0310	....	....	-x-- ---- x--- x--- ----	2	
									1885	....	....	....	....	....	-x-- ---- x--- x--- ----	2	
									1887	....	1889	....	....	....	---- ---- x--- ---- ----	2	
Summit and upper east flank									1890	0326e	1890	0420	....	....	xxx- ---- x--- x--- ----	0	
									1891	....	1898	07	....	....	---- ---- x--- x--- ----	2	
									1899	1231	1900	03	....	....	---- ---- x--- ---- ----	2	
Summit and NE flank									1902	0510	1902	1230	....	....	xxx- ---- x--- x--- ----	2	
Summit and east flank									1903	11	1905	03	....	....	xx-- ---- x--- ---- ----	2	
Summit and NE flank									1912	0116	1916	0126	....	....	xxx- ---- x--- x--- ----	2	
SE flank									1920	1029	1921	0410	....	....	-x-- ---- x--- x--- ----	2	
									1924	03	....	....	....	....	---- ---- x--- ---- ----	2	
									1925	1226	1927	01	....	....	---- ---- xx-- x--- xx--	3?	
									1927	....	1928?	....	....	....	---- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion)	LAT	LONG	ELEV (m)	POPL 5km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
ERUPTION —		Area of Activity								— Start — Year M-Dy	— Stop — Year M-Dy	Central Flank vent Radial fiss Regional Submarine New island Subglacial Crater lake Explosive Pyro flow Phreatic Caldera Lava flow Lava lake Dome Spine Fatal Damage Mud/lav Tsunami		
Izalco (El Salvador) *continued*		Outer slope of eastern summit crater								1930 04	....	--x- ---- ---- x--- ----	0	
										1931 0331t	....	---- ---- x?-- ---- ----	2	
										1933 1130	1934 0112>	---- ---- x--- x--- ----	2	
										1937?	1938?	---- ---- x--- x--- ----	2?	
		Summit and SSE flank								1939 02	1948 02	xx-- ---- x--- x--- ----	2	
		Summit, SW and NE flanks								1948 1104	1957 1201p	xx-- ---- xx-- x--- ----	3*	
		SSE flank (550 m below summit)								1966 1028	1966 11	-x-- ---- ---- x--- ----	0	5/-
Coatepeque Caldera (El Salvador)	13.87 N	89.55 W	746				6677	RDAyb	Caldera	1403-041	Holocene			
San Salvador (El Salvador)	13.734 N	89.294 W	1893				5677	ABD	Stratovolcano	1403-05=	Historical			
		(same as AD 260 Ilopango eruption)							*X-1040y*	....	....	---- ---- ---- ---- ----		
		NW flank (Loma Caldera)							G 0640r	08	....	-xx- ---- xx-- ---- ?x--	3?	
		Boquerón (San Andrés Talpetate Tuff)							A 1200?	....	....	x--- ---- xx-- ---- ----	4	-/8
		North flank ?							1572b	....	....	-x-- ---- x--- x--- ----	3?	
		NW flank (El Playón)							1658	1103	....	-xx- ---- x--- x--- -x--	3	7/-
San Salvador (El Salvador) *continued*		NW flank (El Playón)							1671	08 ?	....	-x-- ---- x--- ---- ----	2?	
		El Playón ?							? *1806*	....	....	-x-- ---- ---- ?--- ----	*0*	
		Boquerón summit and north flank							1917	0607	1917 11	xxx- ---x x--- x--- xx--	3	7/-
Cinotepeque, Cerro (El Salvador)	14.02 N	89.25 W	665				4567	U	Volcanic field	1403-051	Holocene			
Guazapa (El Salvador)	13.90 N	89.12 W	1438				4577	B	Stratovolcano	1403-052	Holocene?			
Ilopango (El Salvador)	13.672 N	89.053 W	450				7777	DABr	Caldera	1403-06=	Historical			
		Ilopango							G 0450r	....	....	x--- ---- xx-x ---- xx--	6+	-/10
		Islas Quemadas							1879	1231	1880 0326e	x--- ---x x--- --x- -x--	3*	8/-
San Vicente (El Salvador)	13.595 N	88.837 W	2182				4667	ADBr	Stratovolcano	1403-07-	Holocene			
Apastepeque Field (El Salvador)	13.72 N*	88.77 W	700				6667	DAB	Volcanic field	1403-071	Holocene			
Taburete (El Salvador)	13.435 N	88.532 W	1172				5567	BA	Stratovolcano	1403-072	Holocene?			
Tecapa (El Salvador)	13.494 N	88.502 W	1593				5567	ABD	Stratovolcano	1403-08=	Holocene			
									? *1878*	*1002*	....	---- ---- ---- ---- ----		
Usulután (El Salvador)	13.419 N	88.471 W	1449				5667	BA	Stratovolcano	1403-081	Holocene			
Tigre, El (El Salvador)	13.47 N	88.43 W	1640				5667	BA	Stratovolcano	1403-082	Holocene			
Chinameca (El Salvador)	13.478 N	88.330 W	1300				5567	A	Stratovolcano	1403-09=	Holocene			
San Miguel (El Salvador)	13.434 N	88.269 W	2130				4567	AB	Stratovolcano	1403-10=	Historical			
		(eruption 70-80 years before 1586)							1510e	....	....	x--- ---- x?-- ?--- ----		
		SE flank (400 m)							1699	....	....	-xx- ---- x--- x--- ----	2	
		NE flank (400 m)							1762	....	....	--x- ---- ?--- x--- ----	2	
		East flank ?							1769	....	....	--?- ---- ?--- x--- ----	2	
		Summit, north and SE flanks							1787	0921	1787 0923	xxx- ---- x--- x--- -x--	2	
									? *1798?*	....	....	---- ---- ?--- ---- ----	2	
									? *1811*	....	....	---- ---- ?--- ---- ----	2	
		SSE flank (400 m; near Los Perolitos)							1819	0718	....	--x- ---- x--- x--- -x--	2	
		NNW (1120 m) and upper east flanks							1844	0725	1848	-xx- ---- x--- x--- ----	2	
									? *1854*	....	....	---- ---- ?--- ---- ----	2?	
		SSE flank (800 m)							1855	12	....	-xx- ---- x--- x--- ----	2	
									1857	11	....	---- ---- x--- x--- ----	2?	
									1862	01	....	---- ---- x--- ---- ----	2	
		WSW flank (1000 m)							1867	1214	1868 0216>	-xx- ---- x--- x--- -x--	2	
									1882	1205d	....	---- ---- x--- ---- ----	2	
		NE side of main crater							1884	0125	1884 0128a	x--- ---- x--- x--- ----	2	
									1890	....	1891	x--- ---- x--- ---- ----	2	
									1919	1210	1920 01	---- ---- x--- ---- ----	2	
									1920	0814	1925	---- ---- x--- ---- ----	2	
									1929	08	....	x--- ---- x--- ---- ----	2	
									1930	0126e	....	x--- ---- x--- ---- ----	2	
									1931	03	1931 06	x--- ---- x--- ?--- ----	2	
									? *1936?*	....	....	---- ---- ?--- ---- ----	2	
									1939	05	1939 07	---- ---- x--- ---- ----	2	
									1954	1021	1954 1021	---- ---- --x- ---- ----	2	
									1964	1023	1964 11	x--- ---- x--- ---- -x--	2	
									1966	0222	....	---- ---- x--- ---- ----	2	
									1966	07	....	---- ---- x--- ---- ----	2	
									1967	0105	....	x--- ---- x--- ---- ?---	2	
									1970	0330	1970 0405	x--- ---- x--- ---- -x--	1	-/4
									1976	1202	1977 0301	x--- ---- x--- x--- -x--	1	6/-
									1985	11	1986 02 >	x--- ---- x-x- ---- ----	1	
									1995	0112	1995 0419	x--- ---- x-?- ---- -x--	1	
									1997	1231	....	x--- ---- x-x- ---- ----	1	
									2002	0116	2002 0116	x--- ---- x--- ---- ----	1	
Aramuaca, Laguna (El Salvador)	13.428 N	88.105 W	181				5667	U	Maar	1403-101	Holocene			
Conchagua (El Salvador)	13.275 N	87.845 W	1225				4567	BA	Stratovolcano	1403-11=	Uncertain			
Conchagüita (El Salvador)	13.229 N	87.767 W	505				4467	B	Stratovolcano	1403-12=	Historical			
										1892 1012?	1892 1031?	x--- ---- x--- ---- ----	1?	
Tigre, Isla el (Honduras)	13.272 N	87.641 W	783				4467	B	Stratovolcano	1403-13-	Holocene			
Zacate Grande, Isla (Honduras)	13.33 N	87.63 W	640				4567	BA	Stratovolcano	1403-14-	Holocene			
Yojoa, Lake (Honduras)	14.98 N*	87.98 W	1090				6667	XYTB	Volcanic field	1403-15-	Holocene			
Utila Island (Honduras)	16.10 N*	86.90 W	74				4446	B	Pyroclastic cones	1403-16-	Holocene			

NICARAGUA

Cosigüina (Nicaragua)	12.98 N	87.57 W	872				3457	AB	Stratovolcano	1404-01=	Historical			
									C 1500?	....	....	---- ---- xx-- ---- --x-		
									? *1609*	....	....	---- ---- ?--- ---- ----		
									1709?	....	....	---- ---- x?-- ---- --?-		
		(confusion with 1709 eruption?)							? *1809*	*0328*	*?1809 0331a*	---- ---- ?--- ---- ----	*2?*	
									1835	0120	1835 0125?	x--- ---- xx-- x--- xx--	5	-/9
									1852	12	....	x--- ---- x--- ---- ----	2?	
									1859	0825	....	---- ---- x--- ---- ----		
San Cristóbal (Nicaragua)	12.702 N	87.004 W	1745				3467	BAD	Stratovolcano	1404-02=	Historical			
									1528a	....	....	x--- ---- x--- ---- ----	3	
									? *1613*	....	....	---- ---- ?--- ---- ----		
									1680	....	....	---- ---- x--- ---- ----	2?	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
San Cristóbal (Nicaragua) *continued*									1684	07	....	....	x--- ---- x--- ---- ----	2	
									1685	08	....	....	x--- ---- x--- ---- ----	2	
									1971	0503	1971	0705d	x--- ---- x-x- ---- ----	1	
									1976	0309	1976	0316	x--- ---- x--- ---- ----	1	
									1976	0829	1976	0829	x--- ---- x--- ---- ----	1	
									1977	1016	1977	1016	x--- ---- x--- ---- ----	2	
								?	*1985*	*0902*	....	....	x--- ---- --?- ---- ----		
								?	*1987*	*11*	....	....	---- ---- ?--- ---- ----		
									1997	0519?	1997	0707>	x--- ---- x--- ---- ----	1	
									1999	0501w	2000	06	x--- ---- x-x- ---- --x-	2*	-/6
									2001	0511?	2001	1209?	x--- ---- x--- ---- ----	1	
									2002	0529	2002	1216?	x--- ---- x--- ---- -x--	1	
									2003	0617	2004	0613	x--- ---- x--- ---- --x-	1?	
									2004	1203	2004	1207	x--- ---- x--- ---- ----	1	
									2005	1113	2006	0525	x--- ---- x--- ---- ----	2*	
									2008	0622	2008	0711	x--- ---- x--- ---- ----	1	
									2008	1121	2008	1121	x--- ---- x--- ---- ----	1	
									2009	0906	?*2009*	*1226?*	x--- ---- x--- ---- ----	2?	
Telica (Nicaragua)	12.602 N	86.845 W	1061	4567			BA	**Stratovolcanoes**	1404-04=		**Historical**				
									1527?	....	....	....	---- ---- x--- ---- -x--	3?	
									1529	....	....	....	x--- ---- x--- x--- ----	4	8/8
									1613	....	....	....	---- ---- x--- ---- ----	2?	
									1685	08	....	....	x--- ---- x--- ---- ----	2	
								?	*1743*	*04*	....	....	---- ---- ?--- ---- ----	*2?*	
									1765	....	....	....	---- ---- x--- ---- ----	2	
									1791	0124	....	....	---- ---- ---- ---- ----		
		(confused with Cerro Negro eruption)						X	*1850*	....	....	....	---- ---- ---- ---- ----		
									1907	11	....	....	---- ---- x--- ---- ----	2	
								?	*1918*	*01*	....	....	x--- ---- ?--- ---- ----	*2?*	
								?	*1919*	*1026e*	....	....	x--- ---- ?--- ---- ----	*2?*	
									1927	08	1927	11	x--- ---- x--- ---- ----	2	
									1928	....	....	....	---- ---- x--- ---- ----	2	
									1929	01	1929	01	x--- ---- x--- ---- ----	1?	
									1934	01	....	....	x--- ---- x--- ---- ----	2	
									1937	11	1938	08	x--- ---- x--- ---- -x--	2	
									1939	01	1939	06	x--- ---- x--- ---- ----	2	
									1939	11	1939	11	x--- ---- x--- ---- ----	2	
									1940	06	1940	10	x--- ---- x--- ---- ----	2	
								?	*1941*	....	....	....	---- ---- ?--- ---- ----		
									1943	12	1944	04	x--- ---- x--- ---- -x--	2	
									1946	04	1946	08	x--- ---- x--- ---- -x--	2	
									1948	01	1948	01	x--- ---- x--- ---- ----	2	
									1948	06	1949	11	x--- ---- x--- ---- -x--	2	
									1951	0715q	1951	1015e	x--- ---- x--- ---- ----	2	
									1962	01	1962	01	x--- ---- x--- ---- ----	1	
									1965	0116	1965	0128	x--- ---- x--- ---- -x--	1	
									1966	06	1966	06	x--- ---- x--- ---- ----	1	
									1969	0211	1971	12 >	x--- ---- x--- -x-- -x--	2	
									1975	05	1976	03	x--- ---- ---- -x-- ----	0	
									1976	1103	1978	01 >	x--- ---- x-x- ---- ----	1	
									1981	02 ?	....	....	x--- ---- x--- ---- ----	1	
		Vent in NE corner of crater							1981	1125e	1982	0302	x--- ---- x--- ---- -x--	2*	
									1987	11	1987	11	x--- ---- x--- ---- ----	1	
									1994	0731	1994	0812	x--- ---- x-x- ---- ----	2	
									1999	0521	2000	0906	x--- ---- x-x- -x-- -xx-	2*	
									2001	0117	2001	1219?	x--- ---- x--- ---- ----	1	
									2002	1017	....	....	x--- ---- ---- -?-- ----	0	
									2004	0331	2004	0331	x--- ---- x--- ---- ----	1	
									2004	1105	2005	0129	x--- ---- x--- ---- ----	1	
									2006	0804	2006	0806	x--- ---- x--- ---- ----	1	
									2006	1211?	2007	0217	x--- ---- x-x- ---- ----	1	
								?	*2007*	*0612*	*?2007*	*0612*	x--- ---- ?--- ---- ----	*1*	
									2007	1028c	2008	0218	x--- ---- x--- ---- ----	1?	
									2008	0705d	2008	0705d	x--- ---- x--- ---- ----	1	
Rota (Nicaragua)	12.55 N	86.75 W	832	4567			AB	**Stratovolcano**	1404-06-		**Holocene**				
Negro, Cerro (Nicaragua)	12.506 N	86.702 W	728	4567			B	**Cinder cones**	1404-07=		**Historical**				
		(formation of Cerro Negro)							1850	0413	1850	0527	x--- ---- x--- x--- -x--	2	6/5
		NE-SW-trending fissure							1867	1114	1867	1130	--x- ---- x--- ?--- ----	2	-/6
									1899	1122	1899	1129a	---- ---- x--- ---- -x--	2	-/6
									1914	1028	1914	1103	x--- ---- x--- ---- -xx-	2	-/6
									1919	0620	1919	0630	---- ---- x--- ---- ----	2	
		Summit and upper north flank							1923	1023	1923	1211	x-x- ---- x--- x--- ----	3	7/7
									1929	0210	1929	03	-xx- ---- x--- x--- ----	2	5/-
		Summit and NE flank							1947	0709	1947	0802	xx-- ---- x--- x--- -x--	3	6/7
									1948	0331	....	....	x--- ---- x--- ---- ----	2	
									1949	06	1949	06	x--- ---- x--- ---- ----	2	
									1950	1121	1950	1217	x--- ---- x--- x--- ----	3	5/7
									1954	02	1954	02	x--- ---- x--- ---- ----	2?	
		Summit and east flank							1957	0904	1957	0924	xx-- ---- x--- x--- -x--	2	6/6
		Summit and south flank							1960	0928	1960	1226e	x-x- ---- x--- x--- -x--	3	6/7
		NE-flank fissure							1961	1025	....	....	--x- ---- x--- x--- ----	1	
									1962	0321	1962	04 ?	x--- ---- x--- x--- ----	2	
									1963	03	....	....	x--- ---- x--- ---- ----	1	
								?	*1964*	....	....	....	---- ---- ---- ---- ----	*2?*	
		Summit and south flank							1968	1023	1968	1210	xx-- ---- x--- x--- -x--	3	6/7
									1969	1219	1969	1229	x--- ---- x--- ---- ----	1	
		Summit and east flank							1971	0203	1971	0214	xx-- ---- x--- ---- -x--	3	-/7
									1992	0409	1992	0414	x--- ---- x--- ---- xx--	3	-/7
									1995	0529	1995	1206	x--- ---- xxx- x-x- -x--	2*	6/6
		South flank (near Cristo Rey crater)							1999	0805	1999	0807	-xx- ---- x-x- x--- ----	2	5/6
Pilas, Las (Nicaragua)	12.495 N	86.688 W	1088	3467			ABd	**Complex volcano**	@ 1528	....	....	....	---- ---- ---- ---- ----		
		El Hoyo							1952	1023	1952	12	---x ---- x-x- ---- ----	1	
		El Hoyo							1954	1029	1954	1031	x--- ---- x-x- ---- ----	2	

Paul Kimberly (Smithsonian)

Telica volcano; Las Pilas complex in background

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Centrol / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Momotombo (Nicaragua)	12.422N	86.540W	1297	3457	BA	**Stratovolcano**	1404-09=		**Historical**				
							C-2550y				x--- ---- ---- x--- ----		
							C-0800t				x--- ---- xx-- ---- ----	4+	-/8
							C 1100t				x--- ---- x--- ---- ----		
							1524				x--- ---- x--- ---- ----	3	-/7
							1578	02			x--- ---- x--- ---- ----	2	
							1605		1606		x--- ---- x--- ---- -xx-	4	-/8
		(eruption more likely in 1605-1606)				?	*1609*				---- ---- ?--- ---- -??-		
							1736				x--- ---- x--- ---- ----	2?	
							1764				x--- ---- x--- ---- ----	2	
							1849				x--- ---- x--- ---- ----	2	
							1852				x--- ---- ?--- ---- ----	2	
							1864	02	1864	03	x--- ---- x--- ---- ----	2	
							1858		1866		x--- ---- x--- ---- ----	2	
							1870				x--- ---- x--- ---- ----	2?	
							1878	1014?			x--- ---- x--- ---- ----	2	
							1882	0909			x--- ---- x--- ---- ----	2?	
						?	*1885*	*10*			x--- ---- ?--- ---- ----	*1?*	
							1886	0519?	1887?		x--- ---- x--- x--- -x--	2	
							1902	0331p			x--- ---- x--- ---- ----	2?	
							1905	0116	1905	0121	x--- ---- x--- x--- ----	2	-/6
						?	*1918*	*04*			x--- ---- ?--- ---- ----	*1?*	
Apoyeque (Nicaragua)	12.242N	86.342W	518	4677	DAB	**Pyroclastic shield**	1404-091		**Radiocarbon**				
		Laguna Xiloa					C-4160r				x--- ---- xx-- ---- ----	5	-/9
		W Chiltepe Peninsula (Mateare Tephra)					T-2550*				-x-- ---x x--- ---- ---x	5	-/9
		(Los Cedros Tephra)					T-1050*				---- ---- x--- ---- ----	4	-/8
		Apoyeque (Chiltepe Tephra)					T-0050v				x--- ---- xxx- ---- ----	6	-/10
Nejapa-Miraflores (Nicaragua)	12.12 N	86.32 W	360	6677	BAd	**Fissure vents**	1404-092		**Tephrochronology**				
		Refineria crater					C-7430y				---x ---- xx-- ---- ----		
		(PM3 tephra)					T-7300*				---x ---- x--- ---- ----		
		Nejapa crater					C-5350x				---x ---- xx-- ---- ----		
		(TC Tephra)					C-5230x				---x ---- x--- ---- ----		
		El Hormigón					C-4390v				---x ---- x--- ---- ----		
		(PM4 tephra)					T-3050z				---x ---- x--- ---- ----		
		(PM5 tephra)					T-0550z				--- ---- x--- ---- ----		
		Asososco maar					C 0710V				---x ---- xx-- ---- ----		
Masaya (Nicaragua)	11.984N	86.161W	635	6677	BA	**Caldera**	1404-10=		**Historical**				
		NW of caldera (San Antonio Tephra)					T-4050?				-x-- ---- xx-- ---- ----	6	-/10
		(Masaya Triple Layer)					C-0170v				x--- ---- xx-- ---- ----	5	-/9
		(Masaya Tuff)					T 0150?				x--- ---x x--- ---- ----	5+	-/9
		Nindiri					1524		1544?		x--- ---- ---- -x-- ----	0	
		Nindiri					1551				x--- ---- ---- -x-- ----	0	
		Nindiri					1570				x--- ---- ---- -x-- ----	0	
		Nindiri				?	*1586*				x--- ---- ---- -?-- ----	*0*	
		Nindiri				?	*1613*				x--- ---- ---- -?-- ----	*0*	
		Nindiri					1670				x--- ---- x--- xx-- ----	3	7/-
		North side of Old Masaya Crater					1772	0316	1772	0325?	x-x- ---- x--- x--- -x--	2	6/-
		(confused with 1772 eruption)				X	*1775*				---- ---- ---- ---- ----		
		Between Masaya and Nindiri Craters					1852	06	1852	07	x-x- ---- x--- xx-- ----	2	
		Santiago					1853	0409?	1853	0915>	x--- ---- x-x- ---- ----	1?	
		Santiago or San Pedro					1856	12	1857	01	x--- ---- x--- ---- ----	2	
						?	*1858*	*04*			x--- ---- ?--- ---- ----		
		Santiago, San Pedro					1858	1110	1859	0327	x--- ---- x--- ---- ----	2	
		Santiago					1902	0715	1903	11	x--- ---- x--- ---- -x--	2	
		Santiago					1904	05	1904	06	x--- ---- x--- ---- ----	2	
		Santiago and upper NE flank near El Pelón					1906	0102	1906	0109>	x-x- ---- x--- ---- -x--	2	
		Santiago					1913	0712			x--- ---- ?--- -x-- ----	1?	
		Santiago					1918	01			x--- ---- x--- ---- ----	1	
		Santiago					1919		1924		x--- ---- x--- ---- -x--	2	
		Santiago					1925	04			x--- ---- x--- ---- ----	2?	
		Santiago					1946	06	1947	12 ?	x--- ---- x--- -x-- ----	1*	
		Santiago					1948	09	1948	09	x--- ---- x--- ---- ----	1	
		Santiago					1965	1010?	1985	04 ?	x--- ---- x--- xx-- -x--	1*	
		Santiago					1987	0215	1987	0222>	x--- ---- x-x- ---- ----	1	
		Santiago					1989	0220	1989	11	x--- ---- x--- xx-- ----	1	
		Santiago					1993	0616	1994	11 >	x--- ---- x--- -x-- ----	1	
		Santiago					1996	1205	1996	1205	x--- ---- x--- ---- ----	1	
		Santiago					1997	0603?	1997	1117	x--- ---- x--- ---- ----	1	
		Santiago					1998	0914	1998	0914	x--- ---- x--- ---- ----	1	
		Santiago					1999	1122	2000	0302?	x--- ---- x-x- ---- ----	1	
		Santiago					2001	0423	2001	0425?	x--- ---- x--- ---- -x--	1	
		Santiago					2003	0922<	2003	1212?	x--- ---- x--- -x-- ----	1*	
		Santiago				?	*2004*	*0704*	*?2004*	*0704*	x--- ---- ?--- ---- ----	*1?*	
		Santiago					2005	0304?	2005	0330?	x--- ---- x--- -?-- ----	1	
		Santiago					2006	0804	2006	1025?	x--- ---- x--- -x-- ----	1	
		Santiago					2008	0618	*?2008*	*1217*	x--- ---- x--- ---- ----	1	
Granada (Nicaragua)	11.92 N	85.98 W	300	6667	Bd	**Fissure vents**	1404-101		**Holocene**				
Mombacho (Nicaragua)	11.826N	85.968W	1344	3567	AB	**Stratovolcano**	1404-11=		**Holocene**				
		(uncertain eruption in 1570, not 1560)				?	*1570*				x--- ---- ?--A ---- xx--		
		(confused with 1850 Cerro Negro eruption)				X	*1850*				---- ---- ---- ---- ----		
Zapatera (Nicaragua)	11.73 N	85.82 W	629	3467	ABd	**Shield volcano**	1404-111		**Holocene**				
Concepción (Nicaragua)	11.538N	85.622W	1700	5557	ABd	**Stratovolcano**	1404-12=		**Historical**				
		East flank (Las Pilas, Sintiope)					C-0770t				-x-- ---- xx-- x-x- ----	P	
						?	*1800t*				x--- ---- ?--- ---- ----	*2*	
							1883	0405d	1883	0630	x--- ---- x--- x--- -x--	2	
							1884		1886		x--- ---- x--- ---- ----	2	
							1891	04	1891	04	x--- ---- x--- ---- ----	2	
							1902				x--- ---- x--- x--- -x--	2	
							1907	09	1910		x-x- ---- x--- x--- ----	2	
							1918	01	1919	07	x--- ---- x--- ---- ----	2	
							1921	12	1926	05	x-x- ---- x--- x--- -x--	2	
							1928	0125			x--- ---- x--- ---- ----	2	
							1929	08	1929	10	x--- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Concepción (Nicaragua) *continued*																
										1935	02	1935	02	x--- ---- x--- ---- -x--	2	
										1944	04	1945	12	x-x- ---- x--- x--- -x--	2	
										1948	....	1950	....	x--- ---- x--- ---- ----	1	
										1951	07	1955	05	x--- ---- x--- ---- -x--	2	
										1957	0327	1957	07	x-x- ---- x--- x--- -x--	2	
									?	*1961*	*1128*	?*1961*	*12*	x--- ---- ?--- ---- ----	*2?*	
										1962	06	1962	06	x--- ---- x--- ---- ----	2	
										1963	0509	....	....	x--- ---- x--- ---- ----	1	
										1973	1224	1974	0112	x--- ---- x--- ---- ----	2	
										1977	0404	1977	0503	x--- ---- x--- ---- ----	2	
										1978	0330<	1978	05 >	x--- ---- x--- ---- ----	2	
										1982	0115e	1982	0214e	x--- ---- x-x- ---- ----	2	
										1983	0316	1983	0325	x--- ---- x--- ---- ----	2	
										1984	12	1985	0102	x--- ---- x-x- ---- -x--	2*	
										1985	1202a	1986	0420?	x--- ---- x--- ---- ----	1	
										1988	06	....	....	x--- ---- x--- ---- ----	2	
										1999	1227	1999	1229?	x--- ---- x--- ---- ----	1	
										2005	0728	2005	1110	x--- ---- x--- ---- ----	2	
										2006	0901	2006	0921	x--- ---- x--- ---- ----	2*	
										2007	0209	2007	0710	x--- ---- x--- ---- -x--	1	
										2007	1124	2007	1220	x--- ---- x--- ---- ----	2?	
										2008	0730	2008	0730	x--- ---- x--- ---- ----	1	
										2009	1211	2009	1211	x--- ---- x--- ---- ----	1	
Maderas (Nicaragua)	11.446 N	85.515 W	1394	4457		ABd		**Stratovolcano**		**1404-13-**		**Holocene**				
									?	*1996*	*0927*	....	....	---- ---- --?- ---- xxx-		
									?	*1999*	*1227*	....	....	---- ---- --?- ---- ----		
Esteli (Nicaragua)	13.17 N*	86.40 W	899	6667		B		**Fissure vents**		**1404-131**		Holocene?				
Ciguatepe, Cerro el (Nicaragua)	12.53 N	86.142 W	603	3457		B		**Stratovolcano**		**1404-132**		Holocene?				
Lajas, Las (Nicaragua)	12.30 N	85.73 W	926	4567		BAD		**Shield volcano**		**1404-133**		Holocene?				
Azul, Volcán (Nicaragua)	12.53 N*	83.87 W	201	4456		B		**Cinder cones**		**1404-14-**		**Holocene**				

Jaime Incer

Concepción above Lake Nicaragua

COSTA RICA & PANAMA

Orosi (Costa Rica)	10.980 N	85.473 W	1659	2456		AB		**Stratovolcanoes**		**1405-01-**		Holocene?				
Rincón de la Vieja (Costa Rica)	10.830 N	85.324 W	1916	3456		ARD		**Complex volcano**		**1405-02-**		**Historical**				
(Río Blanco tephra)										G-1820w	....	....	....	x--- ---- xx-- ---- ----	4	-/8
										G 0430v	....	....	....	x--- ---- xx-- ---- ----		
									?	*1529*	....	....	....	---- ---- --?- ---- ----		
										1765	....	....	....	x--- ---- --?- ---- ----	2?	
(more likely Rincón de la Vieja than Orosi)									@	1844	05	....	....	x--- ---- x--- ---- ----	2	
(more likely Rincón de la Vieja than Orosi)									@	1849	....	....	....	x--- ---- x--- ---- ----	2	
									?	*1851*	....	....	....	---- ---- --?- ---- ----		
(more likely Rincón de la Vieja than Orosi)										1853	....	....	....	x--- ---- x--- ---- ----	2	
										1854	....	1863	08	x--- ---- x--- ---- ----	2*	
									?	*1902*	*0622*	....	....	---- ---- --?- ---- ----	*2?*	
										1912	0614	....	....	x--- ---- x--- ---- ----	3	
									?	*1917*	....	....	....	---- ---- --?- ---- ----		
										1922	0411<	1922	0604	x--- ---x x--- ---- ----	2?	
										1966	1106?	1967	12	x--- ---x xxx- ---- -x--	3*	
										1969	0422	1969	05	x--- ---x x--- ---- ----	2	
										1969	0920	1969	1016	x--- ---x x--- ---- ----	2	
										1970	0814	1970	0815	x--- ---x x--- ---- ----	1	
										1983	0206	1983	0221	x--- ---x x-x- ---- --x-	1	
										1984	0331	1984	04	x--- ---x x-x- ---- --x-	2	
										1985	09	1986	04	x--- ---x x-x- ---- ----	1	
										1986	1231	1986	1231	x--- ---x --x- ---- ----	1	
										1987	0401	1987	0401	x--- ---x --x- ---- -xx-	1	
										1991	0507	1992	09	x--- ---x x-x- ---- -xx-	2	
										1995	1106	1995	1113	x--- ---x xxx- ---- --x-	2	
										1998	0215	1998	09	x--- ---x x-x- ---- --x-	2	
Miravalles (Costa Rica)	10.748 N	85.153 W	2028	2456		ARDB		**Stratovolcano**		**1405-03-**		**Historical**				
										T-5050?	....	....	....	---- ---- x--- ---- ----		
SW flank (near Las Hornillas)										1946	0914	1946	0914	-x-- ---- x-x- ---- ----	1	
Tenorio (Costa Rica)	10.673 N	85.015 W	1916	3556		Ab		**Stratovolcanoes**		**1405-031**		**Holocene**				
Arenal (Costa Rica)	10.463 N	84.703 W	1670	4557		ABd		**Stratovolcano**		**1405-033**		**Historical**				
(tephra layer AR-1/SFB)										G-5060w	....	....	....	x--- ---- xx-- ---- ----	4?	
(tephra layer AR-2/ET-16)										T-4450?	....	....	....	x--- ---- x--- ---- ----		
(tephra layer AR-3/ET-15)										T-3900?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-4/ET-14)										T-3350?	....	....	....	x--- ---- x--- ---- ----	4	-/8
Cerro Chato										C-3190v	....	....	....	x--- ---- xx-- ---- ----		
(tephra layer AR-5/ET-13)										T-2800?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-6/ET-12)										T-2250?	....	....	....	x--- ---- x--- ---- ----	4	-/8
Cerro Chato										G-1770v	....	....	....	x--- ---- xx-- ---- ----		
(tephra layer AR-7/ET-11)										T-1650?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-8/ET-10)										T-1450?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-9/ET-9)										G-1250x	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(A4 lava flows)										T-0830z	....	....	....	x--- ---- ---- x--- ----	0?	
(tephra layer AR-10/ET-9B)										G-0380x	....	....	....	-?-- ---- x--- ---- ----	4	-/8
(tephra layer AR-11/ET-9A)										T-0270?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-12/ET-9N)										G-0170x	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-13/ET-8B)										A 0400?	....	....	....	x--- ---- x--- ---- -x--	4	-/8
(tephra layer AR-14/ET-8M)										T 0550?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-15/ET-7; A3 lava flows)										G 0650v	....	....	....	x--- ---- xx-- x--- ----	4	-/8
(tephra layer AR-16/ET-6)										T 0700?	....	....	....	x--- ---- x--- ---- ----	4	-/8
(tephra layer AR-17/ET-5)										A 0750t	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(tephra layer AR-18/ET-4)										T 1020?	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(tephra layer AR-19/ET-3)										T 1030?	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(tephra layer AR-20/ET-2)										C 1400?	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(tephra layer AR-21/UN-10)										C 1440?	....	....	....	x--- ---- xx-- x--- ----	2?	7/-
Summit and NW flank (A2 lava flows)										T 1750t	....	....	....	x-x- ---- ---- x--- ----	0?	
									?	*1915*	*0205*	....	....	---- ---- ?--- ---- ----	*2?*	
										1922	1005?	1922	1023?	x--- ---- x--- ---- --x-	2	
W flank & summit (AR-22/ET-1 tephra)										1968	0729	2010>	....	xxx- ---- xxx- x-x- xxx-	3*	8/7

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Platanar (Costa Rica)	10.30 N	84.366 W	2267	3567	ABDRy	**Stratovolcanoes**	1405-034	**Holocene**						
Poás (Costa Rica)	10.20 N	84.233 W	2708	4567	ABD	**Stratovolcano**	1405-04=	**Historical**						
						C-7920u						x--- ---- xx-- ---- ----		
						C-7620v						x--- ---- xx-- ---- ----		
		Botos Cone				C-5590v						x--- ---- x--- ---- ----		
		North flank (Cerro Congo)				G-3950?						-x-- ---- xx-- ---- ----		
		North flank (Bosque Alegre)				G-0760x						-x-- ---- xx-- ---- ----		
		North flank (Bosque Alegre)				T 0210?						-x-- ---- x--- ---- ----		
		North flank (Bosque Alegre)				T 1280?						-x-- ---- x--- ---- ----		
							1747					x--- ---- ?--- ---- ----	2?	
							1828					x--- ---x x-x- ---- ----	1	
							1834					x--- ---x x-x- ---- -x--	2	
		(possibly confused with 1834 eruption)				? *1838*						---- ---- ?--- ---- ----	*2?*	
							1860					x--- ---x --x- ---- ----	1	
		(possibly confused with 1880 eruption)				? *1879*						---- ---- --?- ---- ----	*1*	
							1880					x--- ---x x-x- ---- -x--	1	
							1888	01	1891			x--- ---x --x- ---- ----	1	
							1895					x--- ---x --x- ---- ----	1	
							1898	1229	1907	1231y		x--- ---x x-x- ---- ----	1*	
							1910	0125	1910	02		x--- ---x x-x- ---- ----	2	-/5
							1910	0912	1910	1014		x--- ---x --x- ---- ----	1	
							1914	0530				x--- ---x x-x- ---- ----	2	
							1914	1008	1915	0515>		x--- ---x x-x- ---- ----	2	
							1916					x--- ---x x-x- ---- ----	2	
							1925					x--- ---x --x- ---- ----	1	
							1929					x--- ---x --x- ---- ----	1	
							1932		1934			x--- ---x --x- ---- ----	1?	
							1941		1946			x--- ---x --x- ---- ----	1	
							1946	1104d				x--- ---x --x- ---- ----	1	
							1948		1951			x--- ---x --x- ---- ----	1	
							1952	0323	1957	1225		x--- ---x xxx- x-x- ----	2*	
							1958		1961	0703?		x--- ---x x-x- ---- ----	2*	
							1963	0523	1963	0702		x--- ---x x-x- ---- ----	2	
							1964	1225	1965	03		x--- ---x x-x- ---- ----	2	
							1967	0101				x--- ---x x-x- ---- ----	1	
							1968					x--- ---x --x- ---- ----	1	
							1969	0503	1969	0603		x--- ---x --x- ---- ----	2	
							1970	07				x--- ---x --x- ---- ----	1	
							1972	0209	1973	0908		x--- ---x x-x- ---- ----	2*	
							1974	0911	1975	02		x--- ---x --x- ---- ----	2	
							1976	0621	1976	11		x--- ---x x-x- ---- ----	2	
							1977	05	1977	07 ?		x--- ---x x-x- ---- ----	1	
							1977	1218	1978	0615		x--- ---x x-x- ---- ----	2	
							1978	0922	1978	12		x--- ---x x-x- ---- ----	1	
							1979	0908	1980	01		x--- ---x x-x- ---- ----	1	
							1980	0912	1980	0912		x--- ---x x-x- ---- ----	1	
							1980	1226	1980	1226		x--- ---x x-x- ---- ----	1	
							1981	03	1981	05		x--- ---- --x- ---- ----	1	
							1987	06	1990	06		x--- ---x x-x- ---- -x--	2*	
							1991	0306	1991	09		x--- ---x --x- ---- ----	1	
							1992	02	1992	03		x--- ---x --x- ---- -x--	1	
							1992	10	1993	09		x--- ---x --x- ---- ----	0	
							1994	03 ?	1994	10 ?		x--- ---x x-x- ---- -x--	2*	
							1996	0408	1996	0408		x--- ---x x-x- ---- ----	1	
							2006	0324	2006	0324?		x--- ---x --x- ---- ----	1	
							2006	0925	2006	1216		x--- ---x x-x- ---- ----	1	
							2008	0113	2008	0113		x--- ---x x-x- ---- ----	1	
							2009	0112	2009	0112		x--- ---x --x- ---- ----	1	
							2009	1225	2009	1225		x--- ---- x--- ---- ----	1	
Barva (Costa Rica)	10.135 N	84.10 W	2906	3477	ABD	**Complex volcano**	1405-05=	**Tephrochronology**						
							T-6050*					---- ---- x--- ---- ----	P	
							? *1867*	*03*				---- ---- ?--- ---- ----		
Irazu (Costa Rica)	9.979 N	83.852 W	3432	4577	AB	**Stratovolcano**	1405-06=	**Historical**						
							G-0640z					---- ---- x--- ---- ----	3	
							G 0430z					---- ---- x--- ---- ----	3	
							G 0690s					---- ---- x--- ---- ----	3	
							G 1110v					---- ---- x--- ---- ----	3	
							G 1560u					---- ---- x--- ---- ----	3	
		Diego de la Haya Crater					1723	0216	1724	02 ?		x--- ---- xx-- ---- -xx-	3	
		Diego de la Haya Crater					1726	05				x--- ---- x--- ---- ----	2	
							1775?					x--- ---- x--- ---- ----	2?	
						? *1821*	*05*					x--- ---- ?--- ---- ----	*2*	
							1822	0507				x--- ---- x--- ---- ----	2	
							1823					x--- ---- x--- ---- ----	2?	
		(possibly only steam emission)				? *1826*						x--- ---- ?--- ---- ----		
							1842					x--- ---- x--- ---- ----	2	
						? *1844*	*05*					x--- ---- x--- ---- ----	*2*	
							1847	0518				x--- ---- x--- ---- ----	2	
							1864	0916	1864	0917		x--- ---- x--- ---- ----	2	
							1875e					x--- ---- x--- ---- ----	2	
		(possibly only fumarolic activity)				? *1882*						x--- ---- ?--- ---- ----	*2*	
		(fumarolic activity only)				X *1883*	*0103*					x--- ---- ---- ---- ----		
							1885					x--- ---- x--- ---- ----	2?	
							1886					x--- ---- x--- ---- ----	2?	
		(fumarolic activity only)				X *1889*	*0228*					x--- ---- ---- ---- ----		
		(no eruption this year)				X *1894*						---- ---- ---- ---- ----		
		(fumarolic activity only)				X *1899*						---- ---- ---- ---- ----		
						? *1909*						x--- ---- ?--- ---- ----	*2*	
		(fumarolic activity only)				X *1910*						x--- ---- ---- ---- ----		
						? *1914*	*0221*					x--- ---- ?--- ---- ----		
							1917	0927	1921			x--- ---- xxx- ---- -x--	3*	
							1924	03	1924	04		x--- ---- x--- ---- ----	2	
							1928	0214	1928	0526e		x--- ---- x--- ---- ----	2	
							1930	10				x--- ---- x--- ---- ----	2	

Jorge Barquero (Univ. Nac. Costa Rica)

Acidic Laguna Caliente summit crater lake

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Irazú (Costa Rica) *continued*									1933	0322?	1933	0725	x--- ---- x--- ---- -x--	2*	-/6
									1939	0518	1940	02	x--- ---- x--- ---- -x--	2	
		(fumarolic activity: no eruption)							*X 1962*	*0809*	....	....	x--- ---- ---- ---- ----		
									1963	0313	1965	0213	x--- ---- xxx- --x- xxx-	3*	
		(increased steaming: no eruption)							*X 1967*	*0807*	....	....	---- ---- ---- ---- ----		
		(increased steaming: no eruption)							*X 1974*	*0302*	*X1974*	*0307*	---- ---- ---- ---- ----		
									1977	0303	....	....	x--- ---- x--- ---- ----	1	
		Upper NW flank							1994	1208	1994	1208	-x-- ---- x-x- ---- --x-	2	
Turrialba (Costa Rica)	10.025 N	83.767 W	3340	4467		ABD		**Stratovolcano**	1405-07=		**Historical**				
		NE summit crater							G-7260y	....	....	....	x--- ---- xx-- x--- ----		9/-
									G-1420y	....	....	....	x--- ---- x-x- ---- ----		
									T-1120x	....	....	....	x--- ---- x-x- ---- ----		
									G-0830w	....	....	....	x--- ---- xx-- ---- ----		
		Central summit crater							G 0040t	....	....	....	x--- ---- xx-- ?-?- ----	4	-/8
									G 0640s	....	....	....	x--- ---- xxx- ---- ----		
									C 1350?	....	....	....	x--- ---- x--- ---- ----		
									? 1723	....	....	....	x--- ---- ?--- ---- ----	*1*	
									? 1847	....	....	....	x--- ---- ---- ---- ----		
									1853	....	....	....	x--- ---- x--- ---- ----	2	
									1855	05	....	....	x--- ---- x--- ---- ----	2	
									? 1861	....	....	....	x--- ---- ---- ---- ----		
		Central and SW summit craters							1864	0817	1865	03	x--- ---- xxx- ---- ----	2*	
		Central and SW summit craters							1866	01	1866	0508	x--- ---- xxx- ---- --x-	3	-/7
Barú (Panamá)	8.808 N	82.543 W	3474	3456		Abdyt		**Stratovolcano**	1406-01-		**Historical**				
									G-9280r	....	....	....	x--- ---- x--- ---- ----		
									G-7420u	....	....	....	x--- ---- x--- ---- ----		
									G-1270v	....	....	....	x--- ---- x--- ---- ----		
									G 0260w	....	....	....	x--- ---- x--- ---- ----		
									G 0710r	....	....	....	x--- ---- xx-- ---- -x--		
									G 1130w	....	....	....	x--- ---- xx-- ---- ----		
									T 1340u	....	....	....	x--- ---- xx-- ---- ----		
									1550j	....	....	....	x--- ---- xx-- ---- -x--		
Valle, El (Panamá)	8.58 N	80.17 W	1185	4467		DA		**Stratovolcano**	1406-03-		Holocene?				

Bill Rose (Michigan Tech Univ.)

Santa María volcano, the most active in Guatemala, has a sharp-topped, conical profile that is cut on the SW flank by a large, 1-km-wide crater formed during a catastrophic eruption in 1902. The large dacitic Santiaguito lava-dome complex (center) has been growing at the base of the 1902 crater since 1922. Lava flows can be seen extending down the flank of the compound lava dome, whose growth is accompanied by a frequent minor explosions, along with periodic lava extrusion, larger explosions, pyroclastic flows, and lahars.

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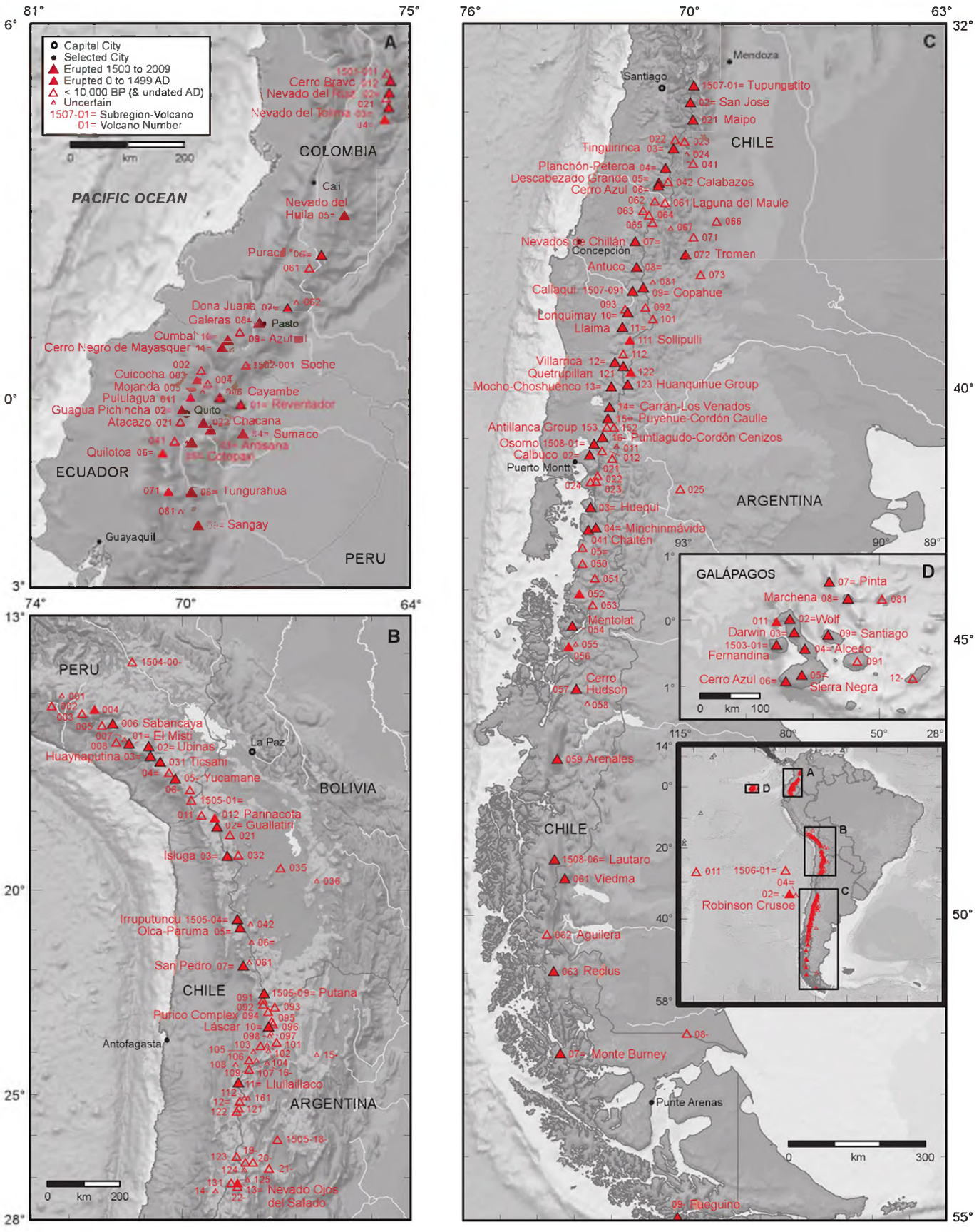
South America (15)



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One of the largest of the *CAVW* regions, South America spans the greatest length of any continental volcanic region. Subduction of the eastern Pacific's Nazca Plate beneath South America has produced one of the Earth's highest mountain ranges, and its highest volcano, Nevados Ojos del Salado. Three distinct volcanic belts (see map) are separated by volcanically inactive gaps, where subduction is at such a shallow angle that magma is not generated by the process. South America's first *CAVW* covered the oceanic islands of Ecuador and Chile (in 1962). It was followed one year later by "The Chilean continent" and, in 1966, by "Colombia, Ecuador, & Peru."

South America leads all other regions in population of volcanoes, with 194: it also has the largest number of undated "Holocene" volcanoes (87). This number has dropped considerably from the 112 in the 2nd edition due to completion of more stratigraphic studies, and South America has now edged out Japan (Region 08) in the number of volcanoes with dated eruptions (109 to 108). Chile has the region's largest number of historically active volcanoes, with 41, ranking it 5th among nations, behind Russia's 52. Ecuador, the region's smallest in terms of population and area, is next with 16.

When South America was discovered by Columbus, on his 3rd voyage in 1498, the Inca civilization was large and highly developed, but no records survive of the Andean volcanism that they no doubt witnessed. In 1524, Pizarro started his first voyage along the Pacific coast and within 10 years Atahualpa was executed and the Inca conquered by Spain. Travel overland was slow and difficult, so the Spaniards sailed south, launching their exploration of the Andes from Peru and what is now Ecuador. A result of this pattern is that 27 16th century eruptions are known from Peru northward, while 3 are known south of Peru (and only 8 more in the 17th). In southern Chile, where the population is sparse and the mountains remote, only 3 (of 30) volcanoes have recorded eruptions before the early 1800s. Chaitén volcano sprang to life here in 2008 after more than 9000 years' quiescence, ejecting large amounts of rhyolitic tephra and forming a massive lava dome in the summit caldera, necessitating the evacuation of the coastal town of the same name.

The region's first historically documented eruption was at El Misti, sometime between 1438 and 1471, and the next two were from mainland Ecuador in the early 1530s. The Galápagos Islands were discovered in 1535, but their early visitors were largely pirates, and they were still uninhabited when the first scientific mission arrived in 1790. The first eruption was recorded near the end of that century and the first resident settled in 1807. The Chilean islands were discovered by Juan Fernandez in 1574, but no eruptions were recorded by their only early resident, Robinson Crusoe, during his 1704-09 visit: it remained for Charles Darwin to document the first (and only) certain eruption there in 1835.

South America is dominated by large, often glacier-clad, stratovolcanoes (119, more than any other region) and the world's highest Holocene volcano, the 6887-m-high Nevados Ojos del Salado along the Chile/Argentina border. South America contains 19 Holocene volcanoes in excess of 6000 m, but they are constructed on the high pedestal of the Andean Altiplano, and in terms of edifice heights do not exceed that of volcanoes in other regions. South America trails only Japan and Indonesia in having the most documented VEI ≥4 eruptions in the past 200 years. It has had 16% of the world's mudflow-producing eruptions, including the tragic one at Colombia's Ruiz volcano in 1985. Reflecting the many volcanoes remote from human observers, this region has the largest number of eruptions (24) prefixed by the commercial "at" symbol (@) indicating uncertainty about which of several neighboring volcanoes was actually erupting.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10 km	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central Vent; Fissure Vent; Radial fissure; Regional; Submarine; Vent in Ice/Snow; Subglacial; Crater lake; Explosive; Pyroclastic flow; Phreatic; Caldera; Lava flow; Lava lake; Dome; Spine; Fatal; Damage; Mudflow; Tsunami	VEI	Vol L/T
COLOMBIA																
Mesa Nevada de Herveo (Colombia)	5.30 N	75.47 W						1501-01=	Not a Volcano							
Romeral (Colombia)	**5.206 N**	**75.364 W**	**3858**	3467		AD	**Stratovolcano**	**1501-011**	**Radiocarbon**							
							C-5950z							---- ---- x--- ---- ----	P	
Bravo, Cerro (Colombia)	**5.092 N**	**75.30 W**	**4000**	4467		DAY	**Stratovolcano**	**1501-012**	**Radiocarbon**							
(CB9 tephra)							C-4280w							x--- ---- x--- ---- ----	4	-/9
(CB7 tephra)							C-1310w							x--- ---- x--- ---- ----	4	-/9
(CB6 tephra)							T-1050x							x--- ---- x--- ---- ----	4	-/8
(CB5 tephra)							C-0730u							x--- ---- xx-- --x- ----	4+	-/8
(CB4 tephra)							C 0750w							x--- ---- xx-- --x- ----	4	-/8
(CB3 tephra)							C 1050u							x--- ---- xx-- --x- ----	4	-/8
(CB2 tephra)							C 1330u							x--- ---- x--- ---- ----	4	-/8
(CB1 tephra)							T 1720w							x--- ---- xx-- --x- ----	4	-/8
Ruiz, Nevado del (Colombia)	**4.895 N**	**75.322 W**	**5321**	4567		AD	**Stratovolcano**	**1501-02=**	**Historical**							
Arenas Crater (R9 tephra)							T-6660<							x--- ---- xx-- ---- --x-		
ENE flank ? (Alto la Piramide ?)							C-1245w							-?-- ---- xxxA --?- --x-		
Arenas Crater (R8 tephra)							T-0850?							x--- ---- xx-- ---- --x-	4	-/8
Arenas Crater (R7 tephra)							C-0200v							x--- ---- x--- ---- ----	4	-/8
West flank (La Olleta, R-6 tephra)							C 0350y							-x-- ---- x--- ---- ----	3	-/7
Arenas Crater (R5 tephra)							C 0675t							x--- ---- xx-- ---- --x-	3	-/7
Arenas Crater (R4 tephra)							C 1350?							x--- ---- x--- ---- --x-	4	-/8
							? 1541							---- ---- --?- ---- ----		
Arenas Crater?								1570						x--- ---- x--- ---- ----		
Arenas Crater (R2 tephra)								1595	0309<					x--- --x- xx-A ---- xxx-	4*	-/8
Near Arenas Crater								1623						x--- ---- ?-?- ---- ----	1?	
								1805	0314					??-- ---- x-?- ---- ----	2	
								? 1826						---- ---- --?- ---- ----	*2?*	
								1828	06					??-- ---- --x- ---- ----	2	
								1829	0618					??-- ---- x-?- ---- ----	2	
								1831						??-- ---- x-?- ---- ----	2	
								? 1833						??-- ---- --?- ---- ----	*2?*	
Arenas and La Olleta(?) craters (R1 tephra)								1845	0219					x?x- --?- xxx- ?--- xxx-	3	-/7
								1916						---- ---- x-x- ---- ----	2	
Arenas Crater								1984	1222	1985	0319?			x--- ---- x-x- ---- ----	1	
Arenas Crater								1985	0911	1991	0713			x--- ---- xxx- ---- xxx-	3*	-/7
								? 1994	*0423*	*?1994*	*0423*			x--- ---- --?- ---- ----		
Santa Isabel (Colombia)	**4.82 N**	**75.37 W**	**4950**	4567		A	**Shield volcano**	**1501-021**	**Radiocarbon**							
							G-5500?							---- ---- ---- x--- ----		
							G-4800?							---- ---- ---- x--- ----		
							G-3550?							---- ---- ---- x--- ----		
							G-0850?							---- ---- ---- x--- ----		
Tolima, Nevado del (Colombia)	**4.67 N**	**75.33 W**	**5200**	4467		AD	**Stratovolcano**	**1501-03=**	**Historical**							
(Canalones eruptive stage)							C-7800y							---- ---- x--- ---- ----	P	
(Mesetas eruptive stage)							C-5310v							---- ---- xx-- ---- ----		
(Mesetas eruptive stage)							G-5160x							---- ---- x--- ---- ----		
(Mesetas eruptive stage)							G-3500y							---- ---- xx-- ---- ----		
(Encanto eruptive stage)							G-1990x							---- ---- xx-- ---- ----	5?	-/9

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Tolima, Nevado del (Colombia) *continued*		(Encanto eruptive stage)					G-0610x	....	....	....		---- ---- x--- ---- ----	3?	
		(Encanto eruptive stage)					G-0200x	....	....	....		---- ---- x--- ---- ----	3?	
		(Encanto eruptive stage)					G 0260w	....	....	....		---- ---- x--- ---- ----	3?	
								1822	11 ?	....	....	---- ---- x--- ---- ----	2	
								1825	0302?	....	....	---- ---- x--- ---- ----	2	
								1826	05	1826	0617>	---- ---- x--- ---- ----	2	
								1943	03	....	....	---- ---- x--- ---- ----	2	
Machin (Colombia)	4.48 N	75.392 W	2650	4567	DA	**Stratovolcano**	**1501-04=**	**Radiocarbon**						
							G-3800w	....	....	....		---- ---- xx-- ---- ----		
							C-2650?	....	....	....		---- ---- x--- ---- ----		
							G-2240y	....	....	....		---- ---- xx-- ---- ----		
							G-2100x	....	....	....		---- ---- xx-- ---- ----		
							C-0650?	....	....	....		---- ---- xx-- ---- --x-		
							C 0750?	....	....	....		---- ---- x--- ---- ----		
							G 1180w	....	....	....		x--- ---- x--- ---- ----		
Huila, Nevado del (Colombia)	2.93 N	76.03 W	5364	3457	AD	**Stratovolcano**	**1501-05=**	**Historical**						
								1555e	....	....	....	---- ---- x--- ---- ----		
								2007	0219	2007	0528?	x-x- ---- x--- ---- -xx-	3?	
								2008	0102	2008	04 ?	x--- ---- x--- ---- ----	2?	
		Upper SW side of Pico Central						2008	1026?	2010>	....	x-x- ---- x--- --x- xxx-	3?	6/-
Puracé (Colombia)	2.32 N	76.40 W	4650	4467	AD	**Stratovolcanoes**	**1501-06=**	**Historical**						
							C-0160t	....	....	....		x--- ---- xx-- ---- ----		
								1816	....	....	....	---- ---- ---- ---- ----		
								1827	1118	....	....	x--- ---- x--- x--- ----	2	
								1835	0123	....	....	x--- ---- x--- ---- ----	2	
								1840	....	....	....	x--- ---- x--- ---- ----	2	
								1847	1027	1852	....	x--- ---- x--- ---- -x--	3?	
								1860i	....	....	....	x--- ---- x--- ---- ----	2?	
								1869	1004	1869	11	x--- ---- xx-- ---- --x-	3?	
								1870	10	....	....	x--- ---- x--- ---- ----	2	
								1878	0831	....	....	x--- ---- x--- ---- ----	2	
								1881	....	....	....	x--- ---- x--- ---- ----	2	
								1885	0525	....	....	x--- ---- x--- ---- xx--	3	
								1899	....	....	....	x--- ---- x--- ---- ----	2	
								1902?	....	....	....	x--- ---- x--- ---- ----	2	
								1906	....	....	....	x--- ---- x--- ---- ----	2	
								1924	....	....	....	x--- ---- x--- ---- ----	2	
								1925	1012	1925	1105	x--- ---- x--- ---- ----	2	
								1926	08	1926	09	x--- ---- x--- ---- ----	2	
								1927	....	....	....	x--- ---- x--- ---- ----	2	
								1946	03	1946	04	x--- ---- x--- ---- ----	2	
								1947	0427	....	....	x--- ---- x--- ---- ----	2	
								1949	0526	1949	0611	x--- ---- x--- ---- x---	2	
								1956<	....	....	....	x--- ---- x--- ---- ----	2	
								1957	....	....	....	---- ---- ---- ---- ----	2?	
								1977	0319	1977	0328?	x--- ---- x--- ---- ----	2	
Sotará (Colombia)	2.108 N	76.592 W	4400	4467	AD	**Stratovolcano**	**1501-061**	**Holocene**						
Petacas (Colombia)	1.57 N	76.78 W	4054	3457	U	**Lava dome**	**1501-062**	Holocene?						
Doña Juana (Colombia)	1.47 N	76.92 W	4150	4467	AD	**Stratovolcano**	**1501-07=**	**Historical**						
		Northeastern caldera					C-2550w	....	....	....		x--- ---- xx-x --x- ----	C	
								1897	1101	1906	....	x--- ---- xx-- --x- x-x-	4*	
Galeras (Colombia)	1.22 N	77.37 W	4276	3667	Ad	**Complex volcano**	**1501-08=**	**Historical**						
							T-7050*	....	....	....		x--- ---- xx-- ---- ----		
							G-3150x	....	....	....		x--- ---- xx-- ---- --x-	3	-/6
							G-2580z	....	....	....		x--- ---- xx-- ---- ----	2	-/6
							G-1160y	....	....	....		x--- ---- xx-- ---- ----	2	-/6
							G-0490v	....	....	....		x--- ---- xx-- ---- --x-	2	-/6
							G 0890x	....	....	....		x--- ---- xx-- ---- --x-	2	-/6
								1535	....	....	....	x--- ---- x--- ---- ----	3^	
		(eruption December 7, 1580, not 1590)						1580	1207	1580	1207	x--- ---- xx-- ?--- ----	3	
								1616	0704	1616	0704	x--- ---- xx-- ?--- ----	3^	
								1641	....	1643	....	x--- ---- xx-- ---- ----	3	
								1670	....	1736	....	x--- ---- x--- ---- ----	3*	
								1754	....	1756	....	x--- ---- x--- ---- ----	2	
								1796	11	1801	....	x--- ---- x--- ?--- ----	2	
								1823	0617	1823	0624	x--- ---- x--- x--- ----	2	
								1828	1024	1834	03	x--- ---- x--- ?-?- ----	3*	
								1834	....	....	....	x--- ---- x--- x--- ----	2	
							?	*1836*	....	....	....	x--- ---- x--- ---- ----	2	
								1865	1002	1870	....	x--- ---- xx-- x-x- --x-	3*	7/6
								1889	0703	....	....	x--- ---- x--- ?--- ----	2	
								1891	....	....	....	x--- ---- x--- ?--- ----	2	
								1923	1208	....	....	x--- ---- x--- ---- ----	2	
								1924	10	1927	....	x--- ---- x--- ?-x- ----	3*	
							?	*1930*	*0417*	....	....	x--- ---- ?--- ---- ----		
								1932	1010	....	....	x--- ---- x--- ---- ----	2	
							?	*1933*	....	....	....	x--- ---- ?--- ---- ----		
								1936	0209	1936	0827?	x--- ---- xx-- ?--- -x--	2	
							?	*1947*	*0715*	....	....	x--- ---- ?--- ---- ----	2?	
								1950	0112	1950	0905	x--- ---- x--- ---- ----	2	
							?	*1973*	*05*	....	....	x--- ---- x--- ---- ----	2	
								1974	....	1983>	....	x--- ---- x--- ---- ----	1?	
		El Pinta vent						1989	0219	1989	0509	x--- ---- xxx- ---- ----	2	-/5
								1990	0107	1992	0716	x--- ---- x?x- --x- -xx-	2*	5/5
		Summit crater, west, SW, & south rims						1993	0114	1993	0607	x-x- ---- x--- ---- xx--	2	-/6
								2000	0321	2000	0518	x--- ---- --?- ---- ----	1	
		El Pinta vent						2002	0607	2002	0607?	x--- ---- x-x- ---- ----	1?	
		El Pinta vent						2004	0716	2005	0207?	x--- ---- x--- ---- -x--	3*	
								2005	1124	2006	0712	x--- ---- x--- --x- ----	2	
								2007	1004	2008	0117	x--- ---- x--- ---- ----	3?	
								2008	1021?	2010>	....	x--- ---- x--- ---- ----	3*	

Norm Banks (USGS/CVO)

1989 eruption above Pasto

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional; Submarine / Subglacial / Subaerial / Crater lake; Explosive / Effusive / Phreatic / Caldera; Lava flow / Lava lake / Dome / Spine; Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Azufral (Colombia)	1.08 N	77.68 W	4070	4567				DA	Stratovolcano	1501-09=	Radiocarbon							
										C-2095v						x--- ---- xx-- --x- ----		
										C-1850?						x--- ---- x--- --x- ----		
										C-1650w						x--- ---- xx-- --x- ----		
										C-0930?						x--- ---- x--- ---- ----		P
Cumbal (Colombia)	0.95 N	77.87 W	4764	4567				Ad	Stratovolcano	1501-10=	Historical							
												1877	12			x--- ---- x--- ---- ----	2	
												1926	1220	1926	1221	x--- ---- x--- ---- ----	2	
Negro de Mayasquer, Cerro (Col)	0.828N	77.964W	4445	3467				DA	Stratovolcano	1501-11=	Holocene?							
(eruption possibly from Reventador)									@ 1936	0717						?--- ---- ?--- ---- ----	2	
ECUADOR																		
Soche (Ecuador)	0.552N	77.580W	3955	3457				DA	Stratovolcano	1502-001	Radiocarbon							
										C-6650?						x--- ---- xx-- --x- ----	5?	
Chachimbiro (Ecuador)	0.468N	78.287W	4106	3467				DA	Stratovolcano	1502-002	Radiocarbon							
NNE flank (Pitzantzi lava dome)										C-3740?						--x- ---- x--- --x- ----		
Cuicocha (Ecuador)	0.308N	78.364W	3246	6667				D	Caldera	1502-003	Radiocarbon							
										C-2550?						x--- ---- x--- ---- --x-		
										C-1150w						x--- ---- xxxx ---- -x--	5	-/9
										C-0950?						x--- ---- xx-- --x- ----		
										C 0650?						x--- ---- ?--- ---- ----		
Imbabura (Ecuador)	0.258N	78.183W	4609	3567				AD	Compound volc	1502-004	Radiocarbon							
Huarmi Imbabura										C-5550z						x--- ---- xx-- ---- -x--		
Mojanda (Ecuador)	0.13 N	78.27 W	4263	3567				ADR	Stratovolcanoes	1502-005	Holocene?							
Cayambe (Ecuador)	0.029N	77.986W	5790	2467				ADr	Compound volc	1502-006	Historical							
										T-1800?						---- ---- x--- ---- ----		
										T-1650?						---- ---- x--- ---- ----		
										T-1300?						---- ---- x--- ---- ----		
										T-0560?						---- ---- x--- ---- ----		
										T-0510?						---- ---- x--- ---- ----		
										T-0460?						---- ---- x--- ---- ----		
										T-0260?						---- ---- x--- ---- ----		
										T-0230?						---- ---- x--- ---- ----		
										T-0180?						---- ---- x--- ---- ----		
										T 0010?						---- ---- x--- ---- ----		
										T 0170?						---- ---- x--- ---- ----		
										T 0200?						---- ---- x--- ---- ----		
										T 0260?						---- ---- x--- ---- ----		
										T 0880?						---- ---- x--- ---- ----		
Lava dome near eastern summit										T 1040?						-x-- ---- xx-- --x- ----	4	8/-
										T 1270?						---- ---- x--- ---- ----		
Tarugo Corral lava dome (NE flank)										T 1290?						-x-- ---- xx-- --x- --x-	4	8/-
										T 1440?						---- ---- x--- ---- ----		
North flank of main summit										T 1570?						-x-- ---- xx-- --x- ----	4	8/-
North flank of main summit										T 1590?						-x-- ---- xx-- ---- ----		
										T 1700?						---- ---- x--- ---- ----		
Upper SE flank										1785	02	1786	03	-x-- ---- x--- ?--- --?-	2?	
Reventador (Ecuador)	0.077 S	77.656W	3562	3347				ABD	Stratovolcano	1502-01=	Historical							
										1541	04			x--- ---- x--- ---- ----	3↑	
										1590				x--- ---- x--- ---- ----	3↑	
										1691				x--- ---- x--- ---- ----	3↑	
										@ 1748<				x--- ---- x--- ---- ----	2?	
										1797	01			x--- ---- x--- ---- ----	3	
										@ 1802	04 ?	@1802	05 ?	x--- ---- x--- ---- ----	2	
										1843<				x--- ---- x--- ---- ----	2?	
										1843	1207			x--- ---- x--- ---- ----	3	
										1844				x--- ---- x--- ---- ----	3	
										1856	1212	1856	1213	x--- ---- x--- ---- ----	3	
										1871	0130			x--- ---- x--- ---- ----	2	
										1894				x--- ---- x--- ---- ----	3	
										1898	0408	1906		x--- ---- xx-- ---- ----	3	
										1912	02	1912	03	x--- ---- x--- ---- ----	3	
										1926	0105d	1926	05	x--- ---- x--- ---- ----	3	
										1929				x--- ---- x--- ---- ----	3	
										1936	0827			x--- ---- x--- ---- ----	3	
										1944	0224	1944	0301	x--- ---- x--- x--- --x-	3	
										1955				x--- ---- x--- ---- ----	2	
										1958	11			x--- ---- x--- ---- ----	3	
										1960	06			x--- ---- x--- ---- ----	3	
										1972	07	1972	09	x--- ---- x--- x--- --x-	2	7/-
										1973	11	1974	07	x--- ---- x--- x--- --x-	3*	6/-
										1976	0104	1976	05	x--- ---- xx-- x--- ----	2	7/-
Summit and SE flank (2600 m)										2002	1103	2003	0110?	xx-- ---- xx-- x--- xxx-	4	7/8
										2004	1107c	2006	03	x--- ---- xx-- x-x- --x-	2*	6/-
										2007	0315g	2007	1011?	x--- ---- x--- x--- --x-	2*	
										2008	0727	2010>		x--- ---- x--- x--- ----	2	
Pululagua (Ecuador)	0.038N	78.463W	3356	6677				D	Caldera	1502-011	Radiocarbon							
										C-4800?						---- ---- xx-- ---- ----		
										C-0690w						x--- ---- xx-x ---- -x--	5	-/9
										C-0450w						x--- ---- xx-x --x- -x--	C	
										C 0290?						x--- ---- xx-- x-x- ----		
Guagua Pichincha (Ecuador)	0.171 S	78.598W	4784	3577				AD	Stratovolcano	1502-02=	Historical							
										C-7000?						x--- ---- x--- --x- ----		
										C-6650?						x--- ---- xx-- ---- ----		
										C-6400?						x--- ---- xx-- --x- ----		
										C-6300?						x--- ---- xx-- --x- ----		
										C-6200?						x--- ---- xx-- ---- ----		
										T-4850*						x--- ---- x--- ---- ----		
										C-3500?						x--- ---- x--- ---- ----		
										G-2090u						x--- ---- xx-- --x- --x-		
										G-1860v						x--- ---- x--- --x- ----		

Patricio Ramon (Escuela Politecnica, Quito)

2005 eruption

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Guagua Pichincha (Ecuador) *continued*							G-1230u	....	....	....		x--- ---- x--- --x- ----		
							G 0070u	....	....	....		x--- ---- xx-- ---- ----	4	-/8
							G 0550u	....	....	....		x--- ---- xx-- --x- ----		
							G 0910v	....	....	....		x--- ---- xx-- ---- ----	5	-/9
							? *1533*	....	....	....		x--- ---- x-?- ---- ----	*2*	
							? *1534*	....	....	....		x--- ---- x-?- ---- ----	*2*	
							? *1535*	....	....	....		x--- ---- x-?- ---- ----	*2*	
							? *1538*	....	....	....		x--- ---- x-?- ---- ----	*3?*	
							? *1539*	....	....	....		x--- ---- x-?- ---- ----	*2*	
							? *1560*	....	....	....		x--- ---- x-?- ---- ----	*2*	
								1566	1017	1566	1116	x--- ---- xx-- ---- -x--	3?	
								1575	0908	....	....	x--- ---- xx-- ---- ----	2	
		(perhaps confused with 1575 eruption)					? *1577*	....	....	....		x--- ---- ?--- ---- ----	*2*	
							? *1580*	....	....	....		x--- ---- x-?- ---- ----	*2*	
								1582	0605	1598	....	x--- ---- xx-- ---- ----	3*	
								1660	1027	1660	1128	x--- ---- xx-- --x- -xx-	4	-/8
								1830	....	....	....	x--- ---- x-x- ---- ----	2	
								1831	....	....	....	x--- ---- x-x- ---- ----	3	
								1868	0319	1868	0322	x--- ---- x-x- ---- ----	2	
								1868	08	....	....	x--- ---- x-x- ---- ----	2	
								1869	03	....	....	x--- ---- x-x- ---- ----	2	
								1869	0722	1869	0824	x--- ---- x-x- ---- ----	2	
								1881	0310	....	....	x--- ---- x-x- ---- ----	2	
		NE side of 1660 lava dome						1981	0831e	1982	11 ?	x--- ---- x-x- ---- ----	1*	-/4
		1981 crater						1985	05	1985	06	x--- ---- --x- ---- ----	1	
		1981 crater						1990	0416	1990	0510	x--- ---- --x- ---- ----	1	
		1981 crater						1993	0309	1993	0312	x--- ---- x-x- ---- x---	1	
		1981 crater						1997	03	1997	1018	x--- ---- --x- ---- ----	1	
		West and SE of 1981 crater						1998	0807	2001	0525	x--- ---- xxx- --xx xxx-	3*	6/-
		North of 1981 crater						2001	1126	2001	1126	x--- ---- --x- ---- ----	1?	
								2002	04	2004	04	x--- ---- --x- ---- ----	1?	
								2002	1011	2002	1207	x--- ---- --x- ---- ----	1?	
							? *2003*	*0417<*	?*2003*	*0417*		x--- ---- --x- ---- ----	*1*	
							? *2008*	*0201*	?*2008*	*0201*		x--- ---- --?- ---- ----	*1?*	
							? *2009*	*0216*	?*2009*	*0217*		x--- ---- --?- ---- ----	*1?*	
Atacazo (Ecuador)	0.353S	78.617W	4463	3677	AD	**Stratovolcano**	**1502-021**			**Radiocarbon**				
		La Cocha II dome (N3 tephra layer)					C-6910<	....	....	....		x--- ---- x--- --x- ----	P	
		Arenal II dome (N4 tephra layer)					C-3490v	....	....	....		x--- ---- xx-- --x- ----	P	
		Ninahuilca Chico I dome (N5 tephra layer)					C-2490s	....	....	....		x--- ---- xx-- --x- -x--	5	-/9
		Ninahuilca Chico II dome (N6 tephra layer)					C-0320n	....	....	....		x--- ---- xx-- --x- ----	5	-/9
Chacana (Ecuador)	0.375S	78.25W	4643	5567	RDA	**Caldera**	**1502-022**			**Historical**				
							T-8050?	....	....	....		x--- ---- x--- x--- ----		
							C-1580j	....	....	....		x--- ---- x--- ---- ----		
							T-0050?	....	....	....		---- ---- ---- x--- ----		
		SW flank						1760	....	....	....	-x-- ---- x--- x--- -x--	0	9/-
		South part of caldera						1773	....	....	....	---x ---- ---- x--- -x--	0	8/-
Antisana (Ecuador)	0.481S	78.141W	5753	3457	AD	**Stratovolcano**	**1502-03=**			**Historical**				
		(eruption possibly from Reventador)					@ 1590?	....	....	....		---- ---- x--- ---- ----	2?	
							? *1728*	....	....	....		-x-- ---- ---- x--- ----	*0*	
		NNE side of summit						1801	....	1802	05 >	x--- --x- x--- x-?- ----	2	
Sumaco (Ecuador)	0.538S	77.626W	3990	2346	XZ	**Stratovolcano**	**1502-04=**			**Historical**				
							? *1650t*	....	....	....		x--- ---- x--- ---- ----	*3?*	
								1895r	....	....	....	x--- ---- x--- ---- ----	2?	
							? *1933*	*02*	....	....		x--- ---- x--- ---- ----	*2*	
Illiniza (Ecuador)	0.659S	78.714W	5248	3467	ADr	**Stratovolcano**	**1502-041**			**Holocene**				
Cotopaxi (Ecuador)	0.677S	78.436W	5911	3467	ADR	**Stratovolcano**	**1502-05=**			**Historical**				
		(tephra set F-1)					C-7690u	....	....	....		x--- ---- x?-- ---- ----	2	-/6
		(tephra set F-2)					C-5820u	....	....	....		x--- ---- xx-- ---- ----	5+	-/9
		(tephra set F-3)					C-4350u	....	....	....		x--- ---- xx-- ---- ----	5	-/9
		(tephra set F-4)					C-3880u	....	....	....		x--- ---- xx-- --x- --x-	5+	-/9
		(tephra set F-5)					T-3280z	....	....	....		x--- ---- xx-- x--- --x-	5	8/9
		(Colorado Canyon tephra set)					C-2640x	....	....	....		x--- ---- xx-A ---- xxx-	5	-/9
							T-2250	....	....	....		x--- ---- ---- x--- ----		8/-
		(tephra set H)					C-2220v	....	....	....		x--- ---- x--- ---- --x-		
		(tephra layers I1)					T-2050?	....	....	....		x--- ---- x--- x--- ----	5	7/9
							C-1510w	....	....	....		x--- ---- x--- ---- ----		
		(tephra layer I2)					T-1050?	....	....	....		x--- ---- xx-- x--- ----	4	9/8
		(tephra layer J)					T-0400?	....	....	....		x--- ---- x--- x--- ----	4	7/8
		(tephra layer JJ)					C-0230x	....	....	....		x--- ---- x--- ---- ----	4	-/8
		(tephra layer JK)					T-0050?	....	....	....		x--- ---- x--- x--- ----	3	7/7
		(tephra layer Ka1)					C 0070w	....	....	....		x--- ---- xx-- ---- ----	4	-/8
		(tephra layer Ka2)					T 0150?	....	....	....		x--- ---- x--- ---- ----	4	-/8
		(tephra layer Kb2)					C 0180v	....	....	....		x--- ---- x--- x--- ----	4	8/8
		(tephra layer 11)					T 0370x	....	....	....		x--- ---- x--- ---- ----		
		(tephra layer 10)					T 0550x	....	....	....		x--- ---- x--- ---- ----		
		(tephra layer Kb2)					C 0740u	....	....	....		x--- ---- xx-- x--- ----	4	7/8
		(tephra layer L1)					C 0770u	....	....	....		x--- ---- xx-- x--- ----	4	7/8
		(tephra layer L2)					T 0950?	....	....	....		x--- ---- xx-- ---- ----	3	-/7
		(tephra layer X)					C 1130u	....	....	....		x--- ---- xx-- ---- ----	5	-/9
							T 1260w	....	....	....		x--- ---- x--- ?--- ----		
		(tephra layer Y4)					T 1350?	....	....	....		x--- ---- x--- ?--- ----	4+	-/8
								1532	1115	....	....	x--- ---- x--- x--- -x?-	4	7/8
								1533	10	1533	11	x--- ---- x--- ---- --x-	2	
		(tephra set MZ)						1534	06	1534	07	x--- ---- xx-- ---- -xx-	4	-/8
								1698	....	....	....	x--- ---- xx-- ---- xxx-	3?	
								1738	....	....	....	x--- ---- xx-- ---- --x-	2	
								1740	....	1741	....	x--- ---- x--- ---- ----	2	
								1742	0615	1742	07	x--- ---- xx-- ---- xxx-	3?	
								1742	1209	....	....	x-x- ---- xx-- ---- xxx-	3?	
								1743	04	....	....	x--- ---- xx-- ---- -xx-	3?	
								1743	0927	1743	1004	x--- ---- xx-- ---- --x-	2	
								1744	05	1744	12	x--- ---- xx-- ?--- -xx-	4*	7/8
								1746	02	....	....	x--- ---- x--- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Cotopaxi (Ecuador) *continued*							1747	....	1749	....	x--- ---- x--- ---- ----	2	
							1750	0902a	1750	0904a	x--- ---- x--- ---- ----	2	
							1766	0210	1766	12	x--- ---- xx-- ---- -xx-	3	
							1768	0404	....	....	x--- ---- xx-- ---- xxx-	4	7/8
							1803	0104	1803	0105	x--- ---- xx-- ---- -xx-	3	
							1844	....	....	....	x--- ---- x--- ---- ----	2	
							1845	04	....	....	x--- ---- x--- ---- ----	2	
							1850	....	....	....	x--- ---- xx-- ---- --x-	2	
							1851	06	....	....	x--- ---- x--- ---- ----	2	
							1852	....	....	....	x--- ---- x--- ---- ----	2	
							1853	0913	1853	0915	x--- ---- xx-- x--- --x-	3	7/-
							1854	0403	....	....	x--- ---- xx-- ---- --x-	2	
							1854	0914	....	....	x--- ---- xx-- ---- --x-	2	
							1855	11	....	....	x--- ---- xx-- ---- --x-	2	
							1856	05	....	....	x--- ---- xx-- ---- --x-	2	
							1856	10	1856	12	x--- ---- xx-- ---- --x-	2	
							1857	....	....	....	x--- ---- x--- ---- ----	2	
							1858	11	1858	12	x--- ---- xx-- ---- --x-	2	
							1859	....	....	....	x--- ---- x--- ---- ----	2	
							1860	....	1862	....	x--- ---- x--- ---- ----	2	
							1863	....	....	....	x--- ---- xx-- ---- --x-	2	
							1866	0921	1866	0926	x--- ---- x--- ---- ----	2	
							1867	....	....	....	x--- ---- x--- ---- ----	2	
							1868	0815	1868	0816	x--- ---- x--- ---- ----	2	
							1869	07	1869	08	x--- ---- x--- ---- ----	3	
							1870	....	1876	....	x--- ---- x--- ---- ----	2	
							1877	01	1877	0902	x--- ---- xx-- ---- xxx-	4*	7/8
							1878	0823	1878	0824	x--- ---- xx-- ---- ----	2	
							1879	0226	1879	0619	x--- ---- x?-- ---- ----	2	
							1880	02	1880	07	x--- ---- xx-- ---- --x-	3*	
							1882	01	1882	03	x--- ---- x--- ---- ----	2	
							1883	08	....	....	x--- ---- xx-- ---- --x-	2	
							1883	12	....	....	x--- ---- xx-- ---- --x-	2	
							1885	0723	....	....	x--- ---- xx-- ---- --x-	2	
							1886	01	....	....	x--- ---- x--- ---- ----	2	
							1895	....	....	....	x--- ---- x--- ---- ----	2	
							1903	0926	1904	12	x--- ---- xx-- ---- --x-	3*	
							1905	....	....	....	x--- ---- x--- ---- ----	2	
							1906	0821	1906	0919	x--- ---- x--- ---- ----	2	
							1907	06	....	....	x--- ---- x--- ---- ----	2	
							1908	....	1914	....	x--- ---- x--- ---- ----	1	
							1922	....	....	....	x--- ---- x--- ---- ----	2	
							1926	....	....	....	x--- ---- x--- ---- ----	2	
							1931	....	....	....	x--- ---- x--- ---- ----	2	
							1939	0202	....	....	x--- ---- x--- ---- ----	2	
							1940	....	....	....	x--- ---- x--- ---- ----	2	
(press reports not confirmed)							*? 1942*	*0217*	*?1942*	*0219*	x--- ---- x--- ---- -x--	*3?*	
Quilotoa (Ecuador)	0.85 S	78.90 W	3914	5567	Da	**Caldera**	1502-06=		**Radiocarbon**				
							G 1280?	....	....	....	x--- ---x xxxx --x- -xx-	6	-/10
(confused with 1660 Pichincha erupt)							*X 1660*	*1128*	....	....	---- ---- ---- ---- ----		
							? 1725	....	....	....	x--- ---x ?--- ---- ----	*2*	
							? 1740	*12*	....	....	x--- ---x ?--- ---- -x--	*2*	
							? 1759	....	....	....	x--- ---x ?--- ---- ----	*2*	
							? 1797	*0204*	....	....	x--- ---x ---- ---- ----		
Llanganate (Ecuador)	1.22 S	78.25 W					1502-07=		Not a Volcano				
Chimborazo (Ecuador)	1.464 S	78.815 W	6310	3467	ADr	**Stratovolcano**	1502-071		**Radiocarbon**				
							T-7500*	....	....	....	---- ---- xx-- ---- --x-		
							G-5410u	....	....	....	---- ---- xx-- ---- --x-		
							G-4130w	....	....	....	---- ---- xx-- ---- ----		
							T-2500*	....	....	....	---- ---- xx-- ---- ----		
							G 0270w	....	....	....	---- ---- xx-- ---- ----		
							T 0550w	....	....	....	---- ---- xx-- ---- ----		
Tungurahua (Ecuador)	1.467 S	78.442 W	5023	3567	AD	**Stratovolcano**	1502-08=		**Historical**				
							C-7750?	....	....	....	x--- ---- xx-- ---- ----	4	-/8
(collapse of Tungurahua II edifice)							C-1010v	....	....	....	x--- ---- xx-A x--- xxx-	5	-/9
							C-0500?	....	....	....	x--- ---- xx-- ---- ----	3?	
							C-0270v	....	....	....	x--- ---- xx-- x--- ----		
							C-0100?	....	....	....	x--- ---- xx-- x--- ----	3?	
							C-0050?	....	....	....	x--- ---- xx-- x--- ----	3?	
							C 0100?	....	....	....	x--- ---- xx-- ---- ----	3?	
							C 0200?	....	....	....	x--- ---- xx-- ---- ----		
							C 0350?	....	....	....	x--- ---- xx-- ---- ----	3?	
							C 0480u	....	....	....	x--- ---- x--- ---- ----		8/-
							C 0600?	....	....	....	x--- ---- xx-- ---- ----	3?	
(P1 tephra unit)							C 0730x	....	....	....	x--- ---- xx-- ---- ----	4?	-/7
							C 0800?	....	....	....	x--- ---- xx-- ---- ----		
(tephra layer F)							C 1030u	....	....	....	x--- ---- xx-- ---- ----		
							G 1250l	....	....	....	x--- ---- xx-- ---- ----		
							G 1350l	....	....	....	x--- ---- xx-- ---- ----	3?	
							1557	....	....	....	x--- ---- x--- ---- ----	2	
							1640	....	1641	....	x--- ---- xx-- ---- -x--	3?	
							1644	....	1646?	....	x--- ---- x--- ---- -x--	2	
							? 1757	....	....	....	x--- ---- ?--- ---- ----	*2*	
(P2 tephra; eruption began in 1773, not 1772)							1773	0204	1773	07 ?	x--- ---- xx-- x--- -xx-	3*	8/-
							1776	0103	....	....	x--- ---- x-x- ---- ----	2	
							? 1777	....	....	....	x--- ---- ?--- ?--- ----	*2*	
							? 1781	....	....	....	x--- ---- ---- ?--- ----	*2*	
							1857	0910?	....	....	x--- ---- x--- ---- ----	2?	
							1885	01 ?	1885	1016	x--- ---- x--- ---- ----	2?	
							1886	0111	1888a	....	x--- ---- xx-- x--- xxx-	4	7/-
							? 1900	....	....	....	x--- ---- ?--- ---- ----	*2?*	
							1916	0303	1925	1201p	x--- ---- xxx- x--- -xx-	4*	
							? 1944	....	....	....	x--- ---- ?--- ---- ----	*2*	

Tom Pierson (USGS/CVO)

Massive lahar boulder from 1877 eruption

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	— Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Tungurahua (Ecuador) *continued*							*? 1993*	*0506*	*?1993*	*0506*	x--- ---- --?- ---- ----	*1?*	
							1999	1005	2009	0708g	x--- ---- xx-- x?-- xxx-	3?	
Licto (Ecuador)	1.780 S*	78.613 W	3336	6667	A	**Scoria cones**	1502-081		Holocene?				
Sangay (Ecuador)	2.002 S	78.341 W	5230	3457	Adb	**Stratovolcano**	1502-09=		**Historical**				
							1628	10	....	....	---- ---- x--- ---- -x--	3↑	
							1728	0930p	1916<	....	x--- ---- xx-- x-x- ----	3*	
							1934	0808	2010>	....	xxx- ---- xx-- x-x- x---	3*	

GALAPAGOS ISLANDS

Fernandina (Galápagos)	0.37 S	91.55 W	1476	3334	B	**Shield volcano**	1503-01=		**Historical**				
						E	0950z	....	....	....	---- ---- ---- x--- ----	0	
						E	1150>	....	....	....	---- ---- ---- x--- ----	0	
						E	1550>	....	....	....	---- ---- ---- x--- ----	0	
		South flank					1813	0714<	....	....	-x-? ---- --?- ---- ----	2	
							1814	07	1814	08	-?-? ---- ?--- ?--- ----	2	
		(western Galápagos)				@	1817<	....	....	....	-?-- ---- x--- x--- ----	2	
							1819	....	....	....	-?-- ---- x--- x--- ----	2	
		East summit and SE flank					1825	0214	1825	10 >	---x ---- ?--- x--- ----	3	
		East flank					1846	11	....	....	-?-? ---- ---- x--- ----	0	
							1888	....	....	....	---- ---- ---- ---- ----	1	
							1926	....	....	....	---- ---- ---- ---- ----		
		South flank near Punta Mangle					1927	1213<	....	....	-x-- ---- ---- x--- ----	0	
							1937	03	1937	04	-?-- ---- ---- ?--- ----	0	
		SE, SW and west caldera rim					1958	09 ?	1958	1230>	--x- ---- ---- xx-- ----	2	7/-
		SE flank					1961	0321a	1961	09	x-x- ---- x--- x--- ----	2	
		ESE flank (600 m)					1968	0521	1968	0523a	-xx- ---- x--- x--- ----	2	
		West caldera wall					1968	0611	1968	0704<	x--- ---- xxxM x--- ----	4	-/8
		SE caldera bench					1972	0604q	....	....	x--- ---- x--- x--- ----	0	
		ESE caldera wall					1973	1209	1973	1216a	x--- ---- x--- x--- ----	2	
		SE caldera bench					1977	0323	1977	0327	x--- ---- x--- x--- ----	1	
		NW caldera bench					1978	0808	1978	0826	x--- ---- x--- x--- ----	2	6/-
		South caldera rim					1981	0801x	....	....	x--- ---- ---- x--- ----	0	
		NW corner of caldera					1984	0330	....	....	x--- ---- x--- x--- ----	1	
		East caldera wall					1988	0914	1988	0916	x--- ---- x-x- x--- ----	2?	6/-
		Base of ESE and NW caldera wall					1991	0419	1991	0424	x--- ---- x--- x--- ----	2?	
		SW flank					1995	0125	1995	0408?	--x- ---- x--- x--- ----	2	7/-
		South caldera rim					2005	0513	2005	0529?	x--- ---- x--- x--- ----	2	
		SW flank (400 m)					2009	0410	2009	0428?	--x- ---- x--- x--- ----	2	
Ecuador (Isabela I)	0.02 S	91.546 W	790	3333	B	**Shield volcano**	1503-011		**Surface Exposure**				
						E	1150>	....	....	....	---- ---- ---- x--- ----	0	
Wolf (Isabela I)	0.02 N	91.35 W	1710	3334	B	**Shield volcano**	1503-02=		**Historical**				
		Lower SW flank				E	0150*	....	....	....	--x- ---- ---- x--- ----	0	
		Lower NE flank				E	0950>	....	....	....	--x- ---- ---- x--- ----	0	
		Lower NE and SE flanks				E	1450>	....	....	....	--x- ---- ---- x--- ----	0	
							1797	08	....	....	---- ---- ---- ---- ----		
							1800	0821	1800	0821	?--- ---- x--- ---- ----	2?	
		ESE flank					1925	0411	1926	0326>	-x-- ---- ---- x--- ----	1	
							1933	....	....	....	-x-- ---- ---- ?--- ----	0	
							1935	02	....	....	---- ---- ---- ---- ----		
							1938	....	....	....	-x-- ---- ---- ---- ----		
		SE flank (1200 m)					1948	0124	1948	0131>	-x-- ---- x--- ?--- ----	2	
		SE flank (610 m)					1963	0304	1963	0316>	-x-- ---- ---- x--- ----	0	
						?	*1973*	*1025*	*?1973*	*1029*	---- ---- ---- ---- ----		
		Caldera and SE flank (875 m)					1982	0828	1982	0906?	x-x- ---- x--- x--- ----	1	
Darwin (Isabela I)	0.18 S	91.28 W	1330	3334	Ba	**Shield volcano**	1503-03=		**Surface Exposure**				
						E	0210z	....	....	....	---- ---- ---- x--- ----	0	
						E	1150y	....	....	....	---- ---- ---- x--- ----	0	
		(more likely Darwin than Wolf, Alcedo)				@	1813	0606	@1813	0607?	---- ---- x--- ---- ----	2?	
Alcedo (Isabela I)	0.43 S	91.12 W	1130	3335	Brda	**Shield volcano**	1503-04=		**Historical**				
		SE flank near Cartago Bay					1953g	....	....	....	-x-- ---- ---- x--- ----	0	
		(eruption more likely at Sierra Negra				*X*	*1954*	*1109*	....	....	---- ---- ---- ---- ----		
		South caldera wall					1993	1205n	....	....	x--- ---- x-x- ---- ----	1	
Negra, Sierra (Isabela I)	0.83 S	91.17 W	1124	3334	B	**Shield volcano**	1503-05=		**Historical**				
						E	-8250*	....	....	....	---- ---- ---- x--- ----	0	
		SE flank				C	-1250v	....	....	....	--x- ---- ---- x--- ----	0	
						E	0370*	....	....	....	---- ---- ---- ---- ----	0	
						E	1060z	....	....	....	---- ---- ---- x--- ----	0	
						E	1350z	....	....	....	---- ---- ---- x--- ----	0	
		(south end of Isabela Island)				@	1813	0713	....	....	---- ---- x--- ---- ----	2?	
		(Isabela Island)				@	1817	....	....	....	-x-- ---- ---- ---- ----		
		(Isabela Island)				@	1844	....	....	....	---- ---- ---- x--- ----	0	
		(Isabela Island)				@	1860	....	....	....	---- ---- x--- ---- ----	2	
							1911	1231y	....	....	---- ---- ---- ---- ----		
							1948	08	1949	02 ?	?--- ---- x--- ?--- ----	2	
		Volcán Chico area & NW caldera rim					1953	0827	1954	01	-x-- ---- x--- x--- ----	3?	
		Upper NNE flank				@	1954	1109	....	....	-x-- ---- x-x- x--- ----	2	
		(Isabela Island)				@	1957	....	....	....	---- ---- ---- ---- ----		
		Volcán Chico area & NW caldera rim					1963	0413	1963	05	-x-- ---- x--- x--- ----	2	
		Upper NW and NE flanks (Volcan Chico)					1979	1113	1980	0114>	-xx- ---- x--- x--- -x--	3	8/-
		North caldera rim					2005	1022	2005	1030	x-x- ---- x--- xx-- ----	3	8/-
Azul, Cerro (Isabela I)	0.92 S	91.408 W	1640	3334	B	**Shield volcano**	1503-06=		**Historical**				
						E	-0950*	....	....	....	---- ---- ---- x--- ----	0	
						E	-0550*	....	....	....	---- ---- ---- x--- ----	0	
						E	1250>	....	....	....	---- ---- ---- x--- ----	0	
						E	1850>	....	....	....	---- ---- ---- x--- ----		
							1932	....	....	....	---- ---- ---- ---- ----	1?	
		East flank (Cerro de Las Animas)					1940	....	....	....	-x-- ---- ---- x--- ----	0	
		Caldera ring fracture					1943	0413b	1943	0511?	---- ---- x--- x--- x---	3	
							1948	0630p	....	....	---- ---- ---- x--- ----	0	
							1949?	....	....	....	x--x ---- ---- x--- ----	0	
							1951	....	....	....	---- ---- ---- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol LAT
Azul, Cerro (Isabela I) *continued*																
East flank										1959	0629	1959	0731?	---x ---- ---- x--- ----	2?	
North flank?									?	*1968*	*0612*			---- ---- ?--- ---- ----		
East flank (300 m) and summit										1979	0129	1979	0304>	xxx- ---- x--- x--- ----	2?	
N & W caldera floor, SE flank (630-680 m)										1998	0915	1998	1021	x-x- ---- x--- x--- ----	1	8/-
Summit and SE flank										2008	0529	2008	0617	x-x- ---- x--- x--- ----	1?	
Pinta (Galápagos)	0.58 N	90.75 W	780	3334		B		**Shield volcano**		**1503-07=**		**Historical**				
										1928				?--- ---- ---- ---- ----		
Marchena (Galápagos)	0.33 N	90.47 W	343	3334		B		**Shield volcano**		**1503-08=**		**Historical**				
West to SW caldera rim										1991	0925	1991	11 ?	x--- ---- x--- x--- ----	2	
Genovesa (Galápagos)	0.32 N	89.958W	64	3334		B		**Shield volcano**		**1503-081**		**Holocene**				
Santiago (Galápagos)	0.22 S	90.77 W	920	2235		Baxyt		**Shield volcano**		**1503-09=**		**Historical**				
West flank (James Bay)									Λ	1759u				? x		
SE flank (Sullivan Bay?)										1897				-?-? ---- ---- x--- ----	0	
SE flank										1904		1906	1215q	-?-- ---- ---- ?--- ----	0	
Santa Cruz (Galápagos)	0.62 S	90.33 W	864	4445		BX		**Shield volcano**		**1503-091**		**Holocene**				
San Cristóbal (Galápagos)	0.88 S	89.50 W	759	4445		Bx		**Shield volcano**		**1503-12-**		**Holocene**				
PERU																
Quimsachata (Perú)	14.20 S	71.33 W	3923	4456		RY		**Lava dome**		**1504-00-**		**Radiocarbon**				
Oroscocha										C-4450?				---x ---- ---- --x- --x-		
Auquihuato, Cerro (Perú)	15.07 S	73.18 W	4980	3456		U		**Cinder cone**		**1504-001**		Holocene?				
Sara Sara (Perú)	15.33 S	73.45 W	5522	2356		A		**Stratovolcano**		**1504-002**		**Holocene**				
Coropuna (Perú)	15.52 S	72.65 W	6377	2356		AD		**Stratovolcano**		**1504-003**		**Holocene**				
Andahua-Orcopampa (Perú)	15.42 S*	72.33 W	4713	5556		Yt		**Cinder cones**		**1504-004**		**Radiocarbon**				
Cerro Tichso										C-2110t				x--- ---- x--- x--- ----		
Cerro Maurus I.										C-0940v				x--- ---- x--- x--- ----		
Chilcayoc Grande										C 1490s				x--- ---- x--- x--- ----		
									?	*1913*	*0306*			---- ---- ---- ---- ----		
Huambo (Perú)	15.83 S	72.13 W	4550	3447		Ya		**Volcanic field**		**1504-005**		**Radiocarbon**				
Cerro Keyocc										C-0700t				x--- ---- x--- x--- ----		
Sabancaya (Perú)	15.78 S	71.85 W	5967	2357		AD		**Stratovolcanoes**		**1504-006**		**Historical**				
										T-6600?				---- ---- x--- ---- ----		
										C-3490s				---- ---- ---- x--- ----	0	
										T 1350w				---- ---- x--- ---- ----		
										1750				---- ---- ?--- ---- ----		
										1784	07			---- ---- ?--- ---- -x--		
										1986	12			x--- ---- x-?- ---- ----	1	
									?	*1987*	*0807*			-x-- ---- ?--- ---- ----	*2?*	
										1988	0622	1988	10 ?	x--- ---- x-x- ---- ----	1	
										1990	0528	1998	09 ?	x--- ---- x-x- ---- -xx-	3*	-/7
										2000	04 ?	2000	1029>	x--- ---- x--- ---- ----	2	
										2003	0730a			x--- ---- x--- ---- ----	2?	
Chachani, Nevado (Perú)	16.191 S	71.530 W	6057	2467		ADR		**Stratovolcano**		**1504-007**		Holocene?				
Nicholson, Cerro (Perú)	16.258 S	71.753 W	2520	3367		A		**Cinder cone**		**1504-008**		**Holocene**				
Misti, El (Perú)	16.294 S	71.409 W	5822	2467		ADr		**Stratovolcano**		**1504-01=**		**Historical**				
										G-7190w				x--- ---- xx-- ---- ----		
										G-5390u				x--- ---- xx-- ---- ----		
										G-4020x				x--- ---- xx-- ---- ----		
										G-3510w				x--- ---- xx-- ---- ----		
										G-2230x				x--- ---- x--- ---- ----		
										G-0310v				x--- ---- xx-- ---- ----		
										G-0080u				x--- ---- xx-- ---- --x-	4?	-/8
										G 0090y				x--- ---- x--- ---- ----		
										G 0760v				x--- ---- x--- ---- ----		
										G 1350l				x--- ---- xx-- ---- ----		
										1454n				x--- ---- x--- ---- -x--	2	-/6
									?	*1542*				x--- ---- --?- ---- ----	*1?*	
									?	*1599*				x--- ---- --?- ---- ----	*1?*	
										1677	0502			x--- ---- --x- ---- ----	2	
										1784	0709			x--- ---- --x- ---- ----	2	
										1787	0728	1787	1010	x--- ---- --x- ---- ----	1?	
									?	*1826*	*08*			x--- ---- --?- ---- ----	*1?*	
									?	*1830*	*08*			x--- ---- --?- ---- ----	*1?*	
									?	*1831*	*08*			x--- ---- --?- ---- ----	*1?*	
									?	*1869*	*09*			x--- ---- ?-?- ---- ----	*1?*	
									?	*1870*	*03*			x--- ---- --?- ---- ----	*1?*	
										1985				x--- ---- x-x- ---- ----	1?	
Ubinas (Perú)	16.355 S	70.903 W	5672	3457		AYDR		**Stratovolcano**		**1504-02=**		**Historical**				
										G-8560y				x--- ---- x--- ---- ----		
										G-6850w				x--- ---- x--- ---- ----		
										G 1080u				x--- ---- x-x- ---- ----	5	-/9
										1550l				x--- ---- x--- ---- ----	3?	
									?	*1600*				---- ---- ---- ---- ----	*2?*	
										1662				x--- ---- x--- ---- ----	3?	
(eruption at Ubinas, not Huaynaputina)										1667				x--- ---- x--- ---- ----	3	
										1677				x--- ---- xx-- ---- ----	3?	
										1784				x--- ---- x--- ---- ----	2	
									?	*1826*				---- ---- ---- ---- ----		
										1830				x--- ---- x--- ---- ----	2	
										1862				x--- ---- x--- ---- ----	2	
										1865				x--- ---- x--- ---- ----	2	
										1867	0524	1867	0528	x--- ---- x--- ---- ----	2	
										1869	10			x--- ---- x--- ---- ----	2	
										1906	10			x--- ---- x--- ---- ----	2	
										1907				x--- ---- x--- ---- ----	2	
										1937	06			x--- ---- x--- ---- -x--	2	
										1951	0723h			x--- ---- x--- ---- ----	2	
										1956	05	1956	1021	x--- ---- x--- ---- -x--	2	
										1969	06			---- ---- x--- ---- -x--	2?	
										2006	0325?	2009	0704?	x--- ---- x-x- --x- -x--	2	

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km 10 30 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year M-Dy — Stop Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Huaynaputina (Perú)	16.608 S	70.85 W	4850	2347	D	**Stratovolcano**	1504-03=	**Historical**			
						C-7750x			x--- ---- x--- ---- ----		
		Summit and south flank				1600	0217a	1600 0306?	xx-- ---- xx-- ---- xxx-	6*	-/10
Ticsani (Perú)	16.755 S	70.595 W	5408	2356	DR	**Lava domes**	1504-031	**Tephrochronology**			
						T 1800x			--x- ---- x--- --x- ----		
Tutupaca (Perú)	17.025 S	70.358 W	5815	2456	ART	**Stratovolcano**	1504-04=	**Holocene**			
Yucamane (Perú)	17.18 S	70.20 W	5550	2356	A	**Stratovolcanoes**	1504-05-	**Historical**			
						C-1320?			x--- ---- x--- ---- ----	5	-/9
						@ 1780			---- ---- x--- ---- ----	2	
						1787			---- ---- ---- ---- ----		
						@ 1802	0330	@1802 07	---- ---- x--- ---- ----	3	
						@ 1862	04	@1862 05	---- ---- x--- ---- ----	2	
						@ 1902	06	@1902 11	---- ---- x--- ---- ----	2	
Casiri, Nevados (Perú)	17.47 S	69.813 W	5650	3356	TY	**Stratovolcanoes**	1504-06-	**Holocene**			

CHILE - N, BOLIVIA, & ARGENTINA

Tacora (Chile-N)	17.72 S	69.77 W	5980	1346	A	**Stratovolcano**	1505-01=	**Fumarolic**			
						? 1930			---- ---- ---- ---- ----		
						? 1937	*0805*		---- ---- ?--- ---- ----		
Taapaca (Chile-N)	18.10 S	69.50 W	5860	1246	DA	**Complex volcano**	1505-011	**Radiocarbon**			
						C-7900u			---- ---- x--- ---- ----		
						C-5490t			---- ---- x--- ---- ----		
						C-4620u			---- ---- x--- ---- ----		
						C-2950u			---- ---- x--- ---- ----		
						C-2400u			---- ---- x--- ---- ----		
						C-1860v			---- ---- x--- ---- ----		
						C-1580u			---- ---- x--- ---- ----		
						C-0320t			---- ---- x--- ---- ----		
Parinacota (Chile/Bolivia)	18.17 S	69.15 W	6348	2345	AYDR	**Stratovolcano**	1505-012	**Surface Exposure**			
		(Collapse of Parinacota 2 edifice)				C-5840t			x--- ---- xx-A ---- ----		
		South flank (lower Volcanes de Ajata)				E-4320*			-xx- ---- x--- x--- ----		
		South flank (lower Volcanes de Ajata)				E-1100z			-xx- ---- x--- x--- ----		
		South flank (upper Volcanes de Ajata)				A 0090t			-xx- ---- x--- x--- ----		
		Parinacota 3 edifice				E 0290y			---- ---- ---- x--- ----	0	
Guallatiri (Chile-N)	18.42 S	69.092 W	6071	0245	ADR	**Stratovolcano**	1505-02=	**Historical**			
						1825q			x--- ---- x--- ---- ----	2?	
						? 1908			---- ---- ---- ---- ----		
						1913			x--- ---- x--- ---- ----	2	
						1959	0715e		x--- ---- x--- ---- ----	2	
						1960	1202		---- --x- x--- ---- ----	2	
						? 1985	*1201*		---- ---- --?- ---- ----		
Tambo Quemado (Bolivia)	18.62 S	68.75 W	4215	3345	R	**Pyroclastic shield**	1505-021	**Holocene**			
Isluga (Chile-N)	19.15 S	68.83 W	5550	1345	AD	**Stratovolcano**	1505-03=	**Historical**			
						1863	08		x--- ---- ---- ---- ----	1?	
						1868			---- ---- ---- ---- ----	2?	
						1869	08		x--- ---- ---- ---- ----	2	
						1877			---- ---- ---- ---- ----	2?	
						1878	02		x--- ---- ---- x--- -x--	2	
						1885			---- ---- ---- ---- ----	1?	
						1913			x--- ---- x--- ---- ----	2	
						? 1960			---- ---- ---- ---- ----	*2?*	
Tata Sabaya (Bolivia)	19.13 S	68.53 W	5430	2345	A	**Stratovolcano**	1505-032	**Holocene**			
Jayu Khota, Laguna (Bolivia)	19.45 S	67.42 W	3650	3345	B	**Maars**	1505-035	**Holocene**			
Nuevo Mundo (Bolivia)	19.78 S	66.48 W	5438	2346	D	**Lava domes**	1505-036	Holocene?			
Irruputuncu (Chile/Bolivia)	20.73 S	68.55 W	5163	2345	A	**Stratovolcano**	1505-04=	**Historical**			
		(unconfirmed press reports)				*? 1989*	*12*		---- ---- ---- ---- ----		
						1995	0901	1995 0926	x--- ---- --x- ---- ----	2	
Pampa Luxsar (Bolivia)	20.85 S*	68.20 W	5543	3345	A	**Volcanic field**	1505-042	Holocene?			
Olca-Paruma (Chile/Bolivia)	20.93 S	68.48 W	5407	2345	AD	**Stratovolcanoes**	1505-05=	**Historical**			
						1865		1867	-x-- ---- ---- ---- ----		
Ollagüe (Chile/Bolivia)	21.30 S	68.18 W	5868	2345	AD	**Stratovolcano**	1505-06=	Holocene?			
						? 1903	*1208*		---- ---- ---- ---- ----		
Azufre, Cerro del (Chile-N)	21.787 S	68.237 W	5846	0245	AD	**Stratovolcano**	1505-061	Holocene?			
San Pedro (Chile-N)	21.88 S	68.40 W	6145	0346	AD	**Stratovolcanoes**	1505-07=	**Historical**			
						? 1870			---- ---- ---- ---- ----		
						1877?			x--- ---- ---- ---- ----	2	
						1891?			x--- ---- ---- ---- ----	2	
						1901	0525	1901 08	x--- ---- ---- ---- -x--	2	
						1911	09		---- ---- x--- ---- ----	2	
						? 1916			---- ---- ---- ---- ----		
						? 1917			---- ---- ---- ---- ----		
						? 1923			---- ---- ---- ---- ----		
						1938	02		---- ---- x--- ---- ----	2	
						1960	1202		---- ---- x--- ---- ----	2	
Putana (Chile-N)	22.55 S	67.85 W	5890	2245	DA	**Stratovolcano**	1505-09=	**Historical**			
						1810j			---- ---- ---- ---- ----		
						? 1972			---- ---- ---- ---- ----		
Sairecabur (Chile/Bolivia)	22.72 S	67.892 W	5971	2245	AD	**Stratovolcanoes**	1505-091	**Holocene**			
Licancabur (Chile/Bolivia)	22.83 S	67.88 W	5916	2245	AD	**Stratovolcano**	1505-092	**Holocene**			
Guayaques (Chile/Bolivia)	22.895 S	67.566 W	5598	1234	Da	**Lava domes**	1505-093	**Holocene**			
Purico Complex (Chile-N)	23.00 S	67.75 W	5703	0245	DAR	**Pyroclastic shield**	1505-094	**Holocene**			
Colachi (Chile-N)	23.236 S	67.645 W	5631	0134	ADR	**Stratovolcano**	1505-095	**Holocene**			
Acamarachi (Chile-N)	23.30 S	67.62 W	6046	0134	DA	**Stratovolcano**	1505-096	**Holocene**			
Overo, Cerro (Chile-N)	23.52 S	67.67 W	4555	1234	A	**Maar**	1505-097	Holocene?			
Chiliques (Chile-N)	23.58 S	67.70 W	5778	0134	A	**Stratovolcano**	1505-098	Holocene?			

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start Year	M-Dy	— Stop Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank Vent / Flank Fissure / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Lava flow / Pyroclastic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LVT
Láscar (Chile-N)	23.37 S	67.73 W	5592	0234			AD	**Stratovolcanoes**	1505-10=	**Historical**						
Lascar II (Tumbres scoria flow)										C-7250?	....	....	....	x--- ---- xx-- ---- ----		
Eastern crater (Tumbres-Talabre lava flow)										E-5150*	....	....	....	x--- ---- ---- x--- ----	0	
Lascar or Agua Calientes										1848	....	....	....	x--- ---- x--- ---- ----	2	
										? 1853	....	....	....	---- ---- ---- ---- ----	*2?*	
Lascar or Aguas Calientes										1854	0120	1854	0130	---- ---- x--- ---- ----	1	
										1858	04	1858	12	---- ---- x--- ---- ----	2?	
										1875	....	....	....	x--- ---- x--- ---- ----	2	
										1883	....	1885	....	---- ---- x-?- ---- ----	2	
										1898	....	1900?	....	---- ---- x--- ---- ----	2	
										1902	....	....	....	---- ---- x--- ---- ----	2?	
										1933	1009	1933	12	x--- ---- x--- ---- ----	2	
										1940				---- ---- x--- ---- ----	*?*	
East summit crater										1951	11	1952	0219	x--- ---- x--- ---- ----	2?	
										1954	06	1954	07	---- ---- ---- ---- ----	2?	
										1959	11	1968	0131>	x--- ---- x-x- ---- ----	2*	
										1969	0516	....	....	---- ---- ---- ---- ----		
										? 1972	....	....	....	---- ---- ?--- ---- ----	*2?*	
										? 1974	*07*	*?1974*	*09*	x--- ---- ?--- ---- ----	*1*	
Western crater of east summit cone										1984	12	1985	07	x--- ---- ---- --x- ----	0	5/-
Western crater of east summit cone										1986	0914	1986	0916	x--- ---- x--- ---- ----	3*	-/7
Western crater of east summit cone										1987	11 <	1990	0406	x--- ---- x-x- --x- ----	3*	5/-
										1990	1124	1990	1124	x--- ---- x--- ---- ----	1	
										1991	1021	1992	0523?	x--- ---- x--- --x- ----	2	-/6
Western crater of east summit cone										1993	0130	1993	08	x--- ---- xxx- --x- -x--	4*	6/8
										1993	1217	1994	0227	x--- ---- x--- ---- ----	2	
										1994	0720	1994	0726	x--- ---- x--- ---- ----	2	
										1994	1113	1995	0720	x--- ---- x-x- ---- ----	2	
										1996	1018	1996	1018	x--- ---- x--- ---- ----	2	
										2000	0720	*?2001*	*0118?*	x--- ---- x--- ---- ----	2	
										? 2001	*0517?*	*?2001*	*0705?*	x--- ---- ---- ---- ----		
										2002	1026	2002	1027	x--- ---- x--- ---- ----	2	
										? 2003	*1209*	*?2003*	*1209*	x--- ---- ?-?- ---- ----	*1*	
										2005	0504	2005	0504	x--- ---- x--- ---- ----	3?	
										2006	0418	2007	0718?	x--- ---- x-x- ---- ----	3	
Cordón de Puntas Negras (Chile)	23.743 S	67.534 W	5852	0034			AD	**Stratovolcanoes**	1505-101	**Holocene**						
Miñiques (Chile-N)	23.82 S	67.77 W	5910	1234			AD	**Stratovolcanoes**	1505-102	Holocene?						
Tujle, Cerro (Chile-N)	23.83 S	67.95 W	3550	1244			U	**Maar**	1505-103	**Holocene**						
Caichinque (Chile-N)	23.95 S	67.73 W	4450	0134			AD	**Stratovolcanoes**	1505-104	Holocene?						
Tilocalar (Chile-N)	23.97 S	68.13 W	3116	1134			A	**Stratovolcanoes**	1505-105	Holocene?						
Negrillar, El (Chile-N)	24.18 S*	68.25 W	3500	3334			A	**Pyroclastic cones**	1505-106	**Holocene**						
Pular (Chile-N)	24.188 S	68.054 W	6233	0024			AD	**Stratovolcanoes**	1505-107	Holocene?						
										? 1990	*0424*	*?1990*	*0424*	---- ---- ?--- ---- ----	*1?*	
Negrillar, La (Chile-N)	24.28 S	68.60 W	4109	2334			A	**Pyroclastic cones**	1505-108	Holocene?						
Socompa (Chile/Argentina)	24.40 S	68.25 W	6051	1334			DA	**Stratovolcano**	1505-109	**Radiocarbon**						
										C-5250?	....	....	....	x--- ---- xx-A ---- ----		
Llullaillaco (Chile/Argentina)	24.72 S	68.53 W	6739	0234			Dt	**Stratovolcano**	1505-11=	**Historical**						
										1854	0210	....	....	---- ---- x--- ---- ----	2	
										1868	09	....	....	--x- ---- ---- ?--- ----	0	
										1877	05	....	....	---- ---- x--- ---- ----	2	
Escorial, Cerro (Chile/Argentina)	25.08 S	68.37 W	5447	1234			AD	**Stratovolcano**	1505-112	Holocene?						
Lastarria (Chile/Argentina)	25.17 S	68.50 W	5697	0234			AD	**Stratovolcano**	1505-12=	**Holocene**						
Cordón del Azufre (Chile/Argentina)	25.33 S	68.52 W	5463	0134			AD	**Complex volcano**	1505-121	**Holocene**						
Bayo, Cerro (Chile/Argentina)	25.42 S	68.58 W	5401	0234			AD	**Complex volcano**	1505-122	**Holocene**						
Nevada, Sierra (Chile/Argentina)	26.48 S*	68.58 W	6127	2234			U	**Complex volcano**	1505-123	**Holocene**						
Falso Azufre (Chile/Argentina)	26.80 S	68.37 W	5890	0234			U	**Complex volcano**	1505-124	Holocene?						
Incahuasi, Nevado de (Chile/Arg)	27.042 S	68.28 W	6621	1235			DA	**Stratovolcanoes**	1505-125	Holocene?						
Ojos del Salado, Nevados (Ch/Ar)	27.12 S	68.55 W	6887	0235			DAR	**Stratovolcano**	1505-13=	**Tephrochronology**						
										T 0700y	....	....	....	x--- ---- xx-- ---- ----		
										? 1993	*1114*	*?1993*	*1114*	x--- ---- ?-x- ---- ----	*1?*	
Solo, El (Chile/Argentina)	27.108 S	68.72 W	6190	0034			D	**Stratovolcano**	1505-131	**Holocene**						
Copiapó (Chile-N)	27.30 S	69.13 W	6052	0044			DA	**Stratovolcano**	1505-14-	Uncertain						
Tuzgle, Cerro (Argentina)	24.05 S	66.48 W	5500	2345			DA	**Stratovolcano**	1505-15-	Holocene?						
Aracar (Argentina)	24.25 S	67.77 W	6082	0024			AD	**Stratovolcano**	1505-16-	Uncertain						
										? 1993	*0328*	....	....	x--- ---- ?-?- ---- ----	*2?*	
Unnamed (Argentina)	25.10 S	68.27 W		0234			A	**Pyroclastic cone**	1505-161	Holocene?						
Antofagasta de la Sierra (Argent)	26.08 S*	67.50 W	4000	3334			A	**Scoria cones**	1505-18-	**Holocene**						
Cóndor, Cerro el (Argentina)	26.62 S	68.35 W	6532	0024			U	**Stratovolcano**	1505-19-	**Holocene**						
Peinado (Argentina)	26.62 S	68.15 W	5740	0024			A	**Stratovolcano**	1505-20-	**Holocene**						
Robledo (Argentina)	26.77 S	67.72 W	4400	2225			R	**Caldera**	1505-21-	**Holocene**						
Tipas (Argentina)	27.20 S	68.55 W	6660	0135			U	**Complex volcano**	1505-22-	**Holocene**						
CHILE - ISLANDS																
San Félix (Chile-Is)	26.28 S	80.12 W	193	0000			XBTf	**Shield volcano**	1506-01=	**Holocene**						
Easter Island (Chile-Is)	27.15 S	109.38 W	511	3444			BYXRt	**Shield volcanoes**	1506-011	**Holocene**						
Robinson Crusoe (Chile-Is)	33.658 S	78.85 W	922	0000			Bx	**Shield volcanoes**	1506-02=	**Historical**						
										? 1743	....	....	....	---- ---- ---- ---- ----		
1.6 km north of Punta Bacalao										1835	0220	1835	0221	-x-- x--- x--- ---- -x-x	1?	
Unnamed (Chile-Is)	33.62 S	76.83 W	-642	0000			U	**Submarine volc**	1506-04=	Uncertain						
										? 1839	*0212*	*?1839*	*0213*	---- ??-- ---- ---- ----		
CHILE - C & ARGENTINA																
Tupungatito (Chile/Argentina)	33.40 S	69.80 W	6000	3347			AD	**Stratovolcano**	1507-01=	**Historical**						
										1829	....	....	....	x--- ---- x--- ---- ----	2	
										? 1835	....	....	....	x--- ---- ?--- ---- ----	*2*	
										1861	....	....	....	x--- ---- ?--- ---- ----	2	

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VOLCANO NAME (Subregion)	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	ERUPTION — Area of Activity	— Start — Year	M-Dy	— Stop — Year	M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Tupungatito (Chile/Argentina) *continued*										? *1881*	....	....	....	---- ---- ---- ---- ----		
										1889	....	1890	....	x--- ---- x--- ---- ----	2	
										1897	01	1897	0412>	x--- ---- x--- ---- ----	2	
										1901	04	....	....	x--- ---- x--- ---- ----	2	
										1907	0215	....	....	x--- ---- x--- ---- ----	2	
										1925	....	....	....	x--- ---- x--- ---- ----	2	
										1946	....	1947	....	x--- ---- x--- ---- ----	2	
										1958	01	....	....	x--- ---- ---- ---- ----	2	
										1959	0326e	....	....	x--- ---- x--- ---- ----	2	
										1959	1016	....	....	x--- ---- x--- ---- ----	2	
										1960	0715e	....	....	x--- ---- ---- x--- ----	2	
										1961	0505d	1961	08 >	x--- ---- x--- ---- ----	2	
										1964	0803	1964	0919>	x--- ---- x--- ---- ----	2	
										1968	....	....	....	x--- ---- x--- ---- ----	2	
		SW crater								1980	0110	1980	0111	x--- ---- x--- ---- ----	2	
		NW craters								1986	0120	1986	0120	x--- ---- x-x- ---- ----	1	
										1987	1128	1987	1130	x--- ---- x--- ---- ----	2	
San José (Chile/Argentina)	33.782 S	69.897 W	5856	3357		AD		**Stratovolcano**		1507-02=	**Historical**					
										1822	1119	1838	....	x--- ---- x--- ---- ----	2	
										1838	....	....	....	x--- ---- x-x- ---- ----	1	
										1881	....	....	....	x--- ---- x--- ---- ----	2	
										1889	....	1890	....	x--- ---- x--- ---- ----	2	
										1895	....	1897	....	x--- ---- x--- ---- ----	2	
		(fumarolic activity only)							X	*1931*	....	....	....	x--- ---- ---- ---- ----		
		(fumarolic activity only)							X	*1941*	....	....	....	x--- ---- ---- ---- ----		
										1959	....	....	....	x--- ---- x--- ---- ----	2	
										1960	....	....	....	x--- ---- x--- ---- ----	2	
Maipo (Chile/Argentina)	34.161 S	69.833 W	5264	4447		YDTAR		**Caldera**		1507-021	**Historical**					
										? *1788*	....	....	....	---- ---- ---- ---- ----		
										? *1822*	....	....	....	---- ---- ---- ---- ----		
		East flank (Riso Patrón)								1826	0301	....	....	-x-- ---- x--- x--- ----	2	
										1829	0926	....	....	---- ---- x--- ---- ----	2?	
										? *1831*	*0216*	....	....	---- ---- ?--- ---- --x-	*2?*	
										? *1833*	....	....	....	---- ---- ?--- ---- ----	*2?*	
										? *1835*	....	....	....	---- ---- ?--- ---- ----		
										? *1837*	....	....	....	---- ---- ?--- ---- ----		
										? *1869*	*0824*	....	....	---- ---- ?--- ---- ----	*2*	
										? *1881*	....	....	....	---- ---- ?--- ---- ----		
										1905	1028	1905	1030	---- ---- x--- ---- ----	2	
										? *1908*	....	....	....	---- ---- ?--- ---- ----	*2*	
										1912	....	....	....	---- ---- x--- ---- ----	2?	
Palomo (Chile-C)	34.608 S	70.295 W	4860	3346		AD		**Stratovolcano**		1507-022	**Holocene**					
Atuel, Caldera del (Argentina)	34.65 S*	70.05 W	5189	3346		ADB		**Caldera**		1507-023	**Holocene**					
Risco Plateado (Argentina)	34.93 S	70.00 W	4999	0036		ABD		**Stratovolcano**		1507-024	Holocene?					
Tinguiririca (Chile-C)	34.814 S	70.352 W	4280	2246		ADB		**Stratovolcano**		1507-03=	**Historical**					
										1917	....	....	....	---- ---- --?- ---- ----	1?	
										? *1994*	*0115*	*?1994*	*0115*	x--- ---- --?- ---- ----	*2*	
Planchón-Peteroa (Chile/Argentina)	35.240 S	70.570 W	4107	1246		ADb		**Stratovolcanoes**		1507-04=	**Historical**					
		(OPV tephra layer)							C	-5080u	....	....	....	x--- --x- xx-- ---- ----	3	-/7
		(PLB tephra layer)							C	0900v	....	....	....	x--- ---- x--- ---- ----	3	-/7
		Peteroa								1660	....	....	....	---- ---- ---- ---- ----	3↑	
										1751	11	1751	12	x--- ---- x--- ---- ----	2	
		Peteroa (2 km S of Planchón summit)								1762	1203	....	....	x--- ---- x--- ---- -xx-	4	
		Peteroa								1835	....	....	....	x--- ---- ---- ---- ----	2	
		Peteroa								1837	02	....	....	x--- ---- x--- x--- -xx-	2	6/6
										? *1842*	....	....	....	---- ---- ---- ---- ----		
		Peteroa								1860	....	....	....	x--- ---- x--- ---- ----	2	
										? *1869*	....	....	....	---- ---- ---- ---- ----		
										? *1872*	....	....	....	---- ---- ---- ---- ----		
		Peteroa								1878	....	....	....	x--- ---- ---- ---- ----	2	
		Peteroa (SE of 1762 crater)								1889	09	1894?	....	x--- ---- x--- ---- ----	2	
		Petoroa (south of 1889-94 crater)								1937	04	1937	0505d	x--- ---- x--- ?--- ----	2	
		Peteroa								1938	09	1938	10	x--- ---- ?-x- ---- ----	2	
		Petoroa (1889-94 crater)								1959	1106	....	....	x--- ---- x-x- ---- ----	1	
		Petoroa (1889-94 crater)								1960	0710?	....	....	x--- ---- x-x- ---- ----	1	
		Peteroa								1962	01	....	....	x--- ---- x--- ---- ----	1	
		Peteroa (1889-94 crater)							?	*1967*	*02*	....	....	x--- ---- --?- ---- ----	*1?*	
		Peteroa								1991	0209	1991	0302b	x--- ---x x--- ---- --x-	2	
										1998	1118	1998	1121	x--- ---- x-x- ---- ----	1	
Infiernillo (Argentina)	35.142 S*	69.83 W		3345		A		**Volcanic field**		1507-041	**Radiocarbon**					
		Volcán Hoyo Colorado							C	-6890s	....	....	....	---x ---- ---- x--- ----		
Calabozos (Chile-C)	35.558 S	70.496 W	3508	3346		DA		**Caldera**		1507-042	**Holocene**					
Descabezado Grande (Chile-C)	35.58 S	70.75 W	3953	2346		AD		**Stratovolcanoes**		1507-05=	**Historical**					
		Upper NNE slope								1932	0605e	1933	....	-x-- ---- x-x- ---- ----	3	
Azul, Cerro (Chile-C)	35.653 S	70.761 W	3788	1346		DAb		**Stratovolcano**		1507-06=	**Historical**					
		Quizapu								1846	1126	1853?	....	--x- ---- x--- x--- ----	2	9/-
		Quizapu							?	*1903*	*01*	....	....	-x-- ---- --?- ---- ----	*2?*	
		Quizapu								1906	....	....	....	-x-- ---- x-x- ---- ----	2	
		Quizapu								1907	0728	....	....	-x-- ---- x-x- ---- ----	2	
		Quizapu								1912	02	....	....	-x-- ---- x-x- ---- ----	2	
		Quizapu							?	*1913*	*0115q*	....	....	-x-- ---- --?- ---- ----	*2?*	
		Quizapu								1914	0908	....	....	-x-- ---- x-x- ---- ----	3	
		Quizapu								1916	....	1932	0421	-x-- ---- xxx- ---- -x--	5+	-/9
		Quizapu								1933	....	1938	0725?	-x-- ---- x--- ---- ----	2	
		Quizapu								1949	0415e	....	....	-x-- ---- x-x- ---- ----	2?	
		Quizapu								1967	0809	....	....	-x-- ---- x-x- ---- ----	2?	
Maule, Laguna del (Chile/Argentina)	36.02 S*	70.58 W	3092	4446		ARBD		**Caldera**		1507-061	**Holocene**					
San Pedro-Pellado (Chile-C)	35.989 S	70.849 W	3621	2346		ABDR		**Stratovolcanoes**		1507-062	**Holocene**					
Longaví, Nevado de (Chile-C)	36.193 S	71.161 W	3242	2346		Adb		**Stratovolcano**		1507-063	**Radiocarbon**					
									C	-4890u	....	....	....	---- ---- x--- ---- ----		
Blancas, Lomas (Chile-C)	36.286 S	71.009 W	2268	3346		BA		**Stratovolcano**		1507-064	**Holocene**					

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10 km	POPL 100 km	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Plinian / Phreatic / Caldera / Flank vent / Fissure / Regional / Submarine / Subglacial / Crater lake / Explosive / Effusive / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Resago (Chile-C)	36.45 S	70.92 W	1890	2346			A	**Cinder cone**	1507-065					**Holocene**		
Payún Matru (Argentina)	36.42 S	69.20 W	3680	0035			XBTYA	**Shield volcano**	1507-066					**Holocene**		
Domuyo (Argentina)	36.58 S	70.42 W	4709	1245			D	**Stratovolcano**	1507-067					Holocene?		
Chillán, Nevados de (Chile-C)	36.863 S	71.377 W	3212	2346			ADR	**Stratovolcano**	1507-07=					**Historical**		
Volcan Viejo								C-6890z						---- ---- xx-- ---- ----		
Volcán Viejo								C-3660z						---- ---- x--- ---- ----		
Volcán Viejo								C-1510t						---- ---- xx-- ---- ----		
Volcán Viejo								C-0320u						---- ---- xx-- ---- ----		
Volcán Viejo								1650t						---- ---- x--- ---- ----	3?	
Volcán Viejo								1749?		1751				x--- ---- x--- ---- ----	3↑	
Cerro Blanco and Volcán Viejo?								1752	0130					?--- ---- ?--- ---- ----	2?	
W flank of Volcán Viejo (Volcán Renegado)								1860	0725					-x-- ---- ?--- ---- ----	2?	
NW flank of Cerro Blanco (Santa Gertrudis)								1861	06	1863				-x-- ---- x--- x--- --x-	2*	
NW flank of Cerro Blanco (Santa Gertrudis)								1864	1130	1865	0203a			-x-- ---- x--- ---- --x-	3	
Volcán Chillán								1872	0722					---- ---- x--- ---- ----	2	
Volcán Chillán								1877	0212?					---- ---- x--- ---- ----	2	
Volcán Viejo (Volcán las Aguilas?)								? *1883*	*0121*					-?-- ---- ?--- ---- --?-	*2?*	
Volcán Viejo								1891	02					---- ---- x--- ---- ----	2	
Volcán Viejo								1893	0304					---- ---- x--- ---- -xx-	2	
Volcán Viejo								1898						---- ---- x--- ---- ----	2	
Volcan Nuevo								1906	0806	1906	12			-x-- ---- x--- x--- --x-	2	
Volcan Nuevo								1907						-x-- ---- x--- ---- ----	1	
Volcán Nuevo								1914						---- ---- x--- ---- ----	2	
Volcan Nuevo								? *1923*						-x-- ---- ?--- ---- ----	*2?*	
Volcan Nuevo								1927	0410					---- ---- x--- ---- ----	2?	
Volcán Nuevo								1928	1130	1929				-x-- ---- x--- ---- ----	2?	
Volcán Nuevo								1934	0117					---- ---- x--- ---- ----	2?	
West flank of Volcán Viejo								1935	0702					-x-- ---- ?--- x--- --x-	2?	
Volcán Nuevo								? *1945*						-?-- ---- ?--- ---- ----		
Volcán Nuevo								1946		1947				-x-- ---- x--- ---- ----	2?	
Volcán Nuevo								? *1965*						-x-- ---- ?--- ---- ----		
Volcán Nuevo								? *1972*						-x-- ---- ---- ---- ----		
Volcán Arrau (SE flank of Volcán Nuevo)								1973	07	1986				-x-- ---- xx-- x-x- ----	2*	5/-
Saddle between Nuevo & Arrau volcanoes								2003	0829	2003	0915e			x-x- ---- x-x- ---- ----	1	
								? *2009*	*0121*	?*2009*	*0122*			---- ---- ?--- ---- ----		
Cochiquito Volc Group (Argentina)	36.77 S	69.82 W	1435	2235			BA	**Stratovolcanoes**	1507-071					**Holocene**		
Tromen (Argentina)	37.142 S	70.03 W	3978	2345			ADBR	**Stratovolcanoes**	1507-072					**Historical**		
								1751	1231y					x--- ---- x--- ---- ----	3?	
								1822						---- ---- ---- ---- ----		
Puesto Cortaderas (Argentina)	37.57 S	69.62 W	970	0035			B	**Pyroclastic cone**	1507-073					**Holocene**		
Antuco (Chile-C)	37.406 S	71.349 W	2979	3346			BA	**Stratovolcano**	1507-08=					**Historical**		
								C-7750?						x--- ---- --xA ---- ----		
								1750j						---- ---- x--- ---- ----	2	
								1752	0131	1752	0201			x--- ---- x--- x--- ----	3?	
								1806?	05					x--- ---- x--- ---- ----	2	
								1820		1821?				x--- ---- x--- ---- --x-	1	
								1828	1218					x--- ---- x--- x--- ----	2	
								? *1839*						x--- ---- ---- ---- ----	*2*	
								1845	0226	1845	0301>			x--- ---- x--- x--- ----	2	
								? *1848*						x--- ---- x--- ---- ----	*2?*	
NE flank fissure and summit								1852	11	1853	01			xxx- ---- x--- x--- --x-	3*	7/-
								1861	02 ?	1861	08 ?			x--- ---- ---- x--- ----	0	
								? *1862*	*01*	?*1862*	*0303*			---- ---- ---- ---- ----		
								1863	12					x--- ---- x--- ---- ----	2	
								1869						x--- ---- x--- ---- ----	2	
(fumarolic activity only)								X *1929*						---- ---- ---- ---- ----		
(fumarolic activity only)								X *1972*						---- ---- ---- ---- ----		
Trocon (Argentina)	37.73 S	70.90 W	2500	2345			DA	**Lava domes**	1507-081					Holocene?		
Copahue (Chile/Argentina)	37.85 S	71.17 W	2997	2346			XATR	**Stratovolcano**	1507-09=					**Historical**		
								C-6820?						---- ---- xx-- ---- ----		
								C-0250?						---- ---- xx-- ---- ----		
								1750?						---- ---- x--x- ---- ----	2	
								? *1759?*						---- ---- ?-?- ---- ----		
								1867?						---- ---- --?- ---- ----	2?	
								1937						---- ---- --?- ---- ----	2?	
								1944						---- ---- --?- ---- ----		
								1960						---- ---- --?- ---- ----		
								1961						---- ---- x-x- ---- ----	2	
Del Agrio crater								1992	0722	1993				x--- ---x x-x- ---- --x-	2	
Del Agrio crater								1994	12					x--- ---x x--- ---- ----	2	
Del Agrio crater								1995	09					x--- ---x x-x- ---- ----	2	
Del Agrio crater								2000	0701	2000	1018			x--- ---x xxx- ---- -xx-	2	
Callaqui (Chile-C)	37.92 S	71.45 W	3164	2346			ABd	**Stratovolcano**	1507-091					**Historical**		
								1751	1231					---- ---- x--- ---- ----	2	
								? *1864*	*10*					---- ---- ?--- ---- ----		
(eruption from Quetrupillan)								X *1872*						---- ---- ---- ---- ----		
								? *1937*	*0918*					---- ---- ---- ---- ----		
								1980	10	1980	10			x--- ---- x-x- ---- ----	1	
								? *2009*	*0122*					---- ---- ?--- ---- ----		
Mariñaqui, Laguna (Chile-C)	38.27 S	71.10 W	2143	2345			A	**Cinder cones**	1507-092					**Holocene**		
Tolguaca (Chile-C)	38.310 S	71.645 W	2806	2356			AB	**Stratovolcano**	1507-093					**Holocene**		
Lonquimay (Chile-C)	38.377 S	71.58 W	2865	2356			ADB	**Stratovolcano**	1507-10=					**Historical**		
								1853	02					x--- ---- x--- x--- ----	3	
NE flank								1887	0602	1890	01			--x- ---- x--- x--- ----	3*	8/-
								1933	0104					---- ---- x--- x--- ----	2	
								? *1940*	*02*					---- ---- ?--- ---- ----		
NE flank (Navidad Crater)								1988	1225	1990	0124a			-xx- ---- x--- xx-- xx--	3*	8/8
Tralihue (Argentina)	38.52 S	70.90 W		2345			YB	**Stratovolcano**	1507-101					**Holocene**		
Llaima (Chile-C)	38.692 S	71.729 W	3125	2356			BAd	**Stratovolcano**	1507-11=					**Historical**		
								C-7410y						---- ---- x--- ---- ----		
								C-6880u						---- ---- x--- ---- ----	5	-/9

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VOLCANO NAME (Subregion) | **LAT** | **LONG** | **ELEV** (m) | **POPL** (5 km / 10 / 100) | **ROCK TYPE** | **VOLC TYPE** | **NUMBER** | **STATUS** | **ERUPTIVE CHARACTERISTICS** | **VEI** | **Vol L/T**

ERUPTION — Area of Activity | — Start — Year M-Dy | — Stop — Year M-Dy | Central/Flank/Fissure/Radial/Regional | Submarine/New Island/Subglacial/Crater Lake | Explosive/Pyroclastic Flow/Phreatic/Caldera | Lava Flow/Lava Lake/Dome/Spine | Fatal/Damage/Modified/Tsunami

Llaima (Chile-C) *continued*

OVDAS-SERNAGEOMIN

Lava flow and lahar, Llaima, July 2008

| | | |

Lee Siebert (Smithsonian)

Villarica from Pucón

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Villarrica (Chile-C) *continued*										1790	01	1801	....	x--- ---- x--- ---- ----	1	
										1806	04	1806	05	x--- ---- x--- ---- ----	2	
										1815	....	1818	....	x--- ---- x--- ---- ----	1	
										1822	1119	1822	1125e	x--- ---- x--- ?--- ----	2	
										1832	1224	....	....	x--- ---- x--- ---- ----	2	
										1837	1107	1837	1121	x--- ---- x--- ---- ----	2	
									?	*1852*	....	....	....	---- ---- ---- ---- ----		
										1853	11	....	....	x--- ---- x--- ?--- ----	2?	
										1859	0519	1860	0412	x--- ---- x--- ---- ----	2	
										1864	10	....	....	x--- ---- x--- ---- ----	2	
									?	*1867*	....	?*1868*	....	---- ---- ---- ---- ----		
										1869	0204	1869	0224d	x--- ---- x--- ---- ----	2	
										1874	0416	....	....	x--- ---- x--- ?--- ----	2	
										1875	1117	1876	....	x--- ---- x--- ---- ----	2?	
										1877	0312	1877	05	x--- ---- x--- ---- ----	2	
										1879	0202	1879	03	x--- ---- x--- ---- ----	2	
										1880	....	....	....	x--- ---- x--- ---- ----	2	
										1883	....	....	....	x--- ---- x--- ?--- ----	2	
										1893	1201p	1894	0201p	x--- ---- x--- ---- ----	2	
										1897	1201p	1898	0201p	x--- ---- x--- ?--- ----	2	
										1904	....	....	....	x--- ---- x--- ?--- --x-	2	
										1906	0422	1906	12	x--- ---- x--- ---- ----	2	
										1907	0505d	1907	0526?	x--- ---- x--- ?--- ----	2	
										1908	1031	1908	1212?	x--- ---- x--- x--- --x-	2	
										1909	0819	1910	....	x--- ---- x--- x--- --x-	2	
	(1913 eruption report discredited)								X	*1913*	....	....	....	---- ---- ---- ---- ----		
										1915	....	1918	....	x--- ---- x--- ---- ----	1	
									?	*1919*	....	....	....	---- ---- ---- ---- ----		
										1920	1210	1920	1213	x--- ---- x--- x--- --x-	2	
									?	*1921*	*1210*	....	....	x--- ---- ?--- ?--- ----	*2?*	
										1922	1024	1922	1127n	x--- ---- x--- ---- ----	2	
										1927	....	1928	....	x--- ---- x--- ---- ----	2	
										1929	1227	....	....	x--- ---- x--- ---- ----	1	
										1933	0105	1933	0118k	x--- ---- x--- ---- ----	2	
										1935	1201p	1936	0627	x--- ---- x--- ---- ----	1?	
									?	*1938*	*0211*	....	....	x--- ---- ?--- ---- ----	*1?*	
										1938	1201p	1939	0201p	x--- ---- x--- ---- ----	2	
										1947	....	....	....	x--- ---- x--- -?-- ----	1	
										1948	0410	....	....	x--- ---- x--- ---- ----	2?	
										1948	1009	1949	0203	x--- ---- x--- xx-- xxx-	3*	
									?	*1950*	....	....	....	---- ---- ---- ---- ----		
										1956	1003	1956	1116q	x--- ---- x--- ---- --x-	1	
										1958	1106	1959	1221	x--- ---- x--- ---- ----	1	
									?	*1960*	....	....	....	---- ---- ?--- ---- ----	*1?*	
										1961	....	....	....	x--- ---- x--- ---- ----	1	
	Summit and upper SW flank									1963	0225?	1963	0921>	x-x- ---- x--- x--- xxx-	3?	
										1964	0302	1964	0421	x--- ---- x--- x--- xxx-	2	
	Summit, NE and SW flanks									1971	1029	1972	0221	x-x- --x- x--- x--- xxx-	2	7/-
										1977	0126	1977	0130	x--- ---- x--- ---- ----	1	
										1980	0620	1980	0924	x--- ---- xx-- ---- ----	2	
										1983	1014	1983	1016	x--- ---- xx-- ---- ----	1	
										1984	0811	1985	1118	x--- ---- x--- x--- -xx-	2	6/-
										1991	0830	1991	0917	x--- ---- x-x- ---- ----	2	
										1992	0911	1992	12 >	x--- ---- x-x- ---- ----	1	
										1994	0926	1994	1230	x--- ---- x--- ---- ----	1	
										1995	0415e	1995	0602>	x--- ---- x--- ---- ----	1	
										1996	01	....	....	x--- ---- x--- -x-- ----	1	
										1996	0914	1997	08	x--- ---- x--- -x-- ----	1	
										1998	0224d	2002	06 ?	x--- ---- x-x- -x-- ----	1	
										2003	0523?	2004	0325?	x--- ---- x--- -x-- ----	1	
										2004	0805?	2007	1224?	x--- ---- x--- -x-- ----	1	
										2008	1026	....	....	x--- ---- x--- ---- ----	1	
										2009	0129	2009	0324?	x--- ---- x--- -x-- ----	1	
										2009	1122	2010	0101>	x--- ---- x--- ---- ----	1	
Quetrupillan (Chile-C)	**39.50 S**	**71.70 W**	**2360**	3356		ADbr		**Stratovolcano**	**1507-121**					**Historical**		
										1872	0606	....	....	---- ---- --x- ---- ----	2?	
Lanín (Chile/Argentina)	**39.633 S**	**71.500 W**	**3747**	2346		YTBx		**Stratovolcano**	**1507-122**					**Radiocarbon**		
									G-9240z	....	....	....	....	x--- ---- xx-- ---- ----		
									G-6340x	....	....	....	....	x--- ---- xx-- ---- ----		
									G-0590x	....	....	....	....	x--- ---- xx-- ---- ----		
	Mamuil Malal dome								G-0220x	....	....	....	....	x--- ---- xx-- x-x- ----		8/-
									G-0080x	....	....	....	....	x--- ---- xx-- ---- ----		
	(Quillelhue Basalts)								T 0090y	....	....	....	....	-x-- ---- ---- x--- ----	0	
									G 0400w	....	....	....	....	x--- ---- xx-- ---- ----		
									G 0560w	....	....	....	....	x--- ---- xx-- ---- ----		
Huanquihue Group (Argentina)	**39.88 S**	**71.58 W**	**2139**	2346		BA		**Stratovolcanoes**	**1507-123**					**Radiocarbon**		
	Achín-Niellu (Volcan Escorial)								C 1750v	....	....	....	....	x--- ---- x--- x--- ----		
Mocho-Choshuenco (Chile-C)	**39.927 S**	**72.027 W**	**2422**	2356		ADB		**Stratovolcanes**	**1507-13=**					**Historical**		
	SW flank of El Mocho (Chaiquemahuida)									1864	1101	1864	1103a	-x-- ---- xx-- ---- ----	2	
	El Mocho									1937	0616	....	....	---- ---- ?--- ---- --?-		
Carrán-Los Venados (Chile-C)	**40.35 S***	**72.07 W**	**1114**	4446		BA		**Pyroclastic cones**	**1507-14=**					**Historical**		
	Rininahue Maar									1907	0409	1908	02 >	x--- ---- x--- x-x- -xx-	3	
	Carrán Maar									1955	0727	1955	1112	x--- ---- x--- ---- xx--	4	-/8
	Mirador									1979	0414	1979	0520	x--- ---- x--- x--- ----	2	6/6
Puyehue-Cordón Caulle (Chile-C)	**40.590 S**	**72.117 W**	**2236**	3346		ADBR		**Stratovolcano**	**1507-15=**					**Historical**		
	Puyehue (PU-2 tephra layer)								G-5080w	....	....	....	....	x--- ---- x--- --x- ----	5	-/9
									G-4690x	....	....	....	....	---- ---- xx-- ---- ----		
									T-4460?	....	....	....	....	---- ---- x--- ---- ----		
	Puyehue								R-4450*	....	....	....	....	x--- ---- ---- x-x- ----		
									G-4230x	....	....	....	....	---- ---- xx-- ---- ----		
	Puyehue								R-3250*	....	....	....	....	x--- ---- ---- x-x- ----		
									G-1490w	....	....	....	....	---- ---- xx-- ---- ----		
									T-0990z	....	....	....	....	---- ---- x--- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Centrol / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Puyehue-Cordón Caulle (Chile-C) *continued*																		
										G-0490y						---- ---- xx-- ---- ----		
										G 0110x						---- ---- xx-- ---- ----		
		Puyehue?								T 0140y						?--- ---- x--- ---- ----		
										G 0500v						---- ---- xx-- ---- ----		
		Puyehue (MH tephra)								G 0860u						x--- ---- x--- ---- ----	5	-/9
										G 1140v						---- ---- xx-- ---- ----		
										G 1220w						---- ---- xx-- ---- ----		
		Cordón Caulle								1759?						---x ---- xx-- ---- ----	2	
		Cordón Caulle								1893?						---x ---- xx-- ---- ----	2	
		Cordón Caulle								1905?						---x ---- x--- ---- ----	2	
		Cordón Caulle								1914	0208					---x ---- x--- ---- ----	2	
		Cordón Caulle								1919		1920				---x ---- x--- ---- ----	2	
		Cordón Caulle-Cordillera Nevada								1921	1213	1922	0212			---x ---- x--- x--- ----	3	8/-
		Cordón Caulle								1929	0107					---x ---- x--- ---- ----	2	
		Cordón Caulle								1934	0306					---x ---- x--- ---- ----	2	
		Cordón Caulle								1960	0524	1960	0730			---x ---- x--- x--- ----	3?	8/7
		Cordón Caulle								1990						---x ---- x--- ---- ----	1	
Pantoja, Cerro (Chile-C)	40.77 S	71.95 W	2024	2346			BA		**Stratovolcano**	1507-152		**Holocene**						
Antillanca Group (Chile-C)	40.771S	72.153 W	1990	2346			BA		**Stratovolcanoes**	1507-153		**Radiocarbon**						
										G-0960w						---- ---- x--- ---- ----	5	-/9
		Casablanca (Raihuén crater)								G-0230x						-x-- ---- xx-- ---- ----	5	-/9
Puntiagudo-Cordón Cenizos (Ch)	40.969S	72.264 W	2493	2346			AB		**Stratovolcano**	1507-16-		**Historical**						
		Cordón Cenizos								1850						-x-- ---- x--- ---- ----		
										? 1930						---- ---- ---- ---- ----		

CHILE - S & ARGENTINA

Osorno (Chile-S)	41.10 S	72.493 W	2652	2356			BAd		**Stratovolcano**	1508-01=		**Historical**						
										C-1710u						---- ---- xx-- ---- ----		
										C-0210u						---- ---- xx-- ---- ----		
										C 0420v						---- ---- xx-- ---- ----	4?	
										C 0910v						---- ---- xx-- ---- ----		
										C 1220v						---- ---- xx-- ---- ----		
										C 1310u						---- ---- xx-- ---- ----		
										1575						---- ---- ?--- ---- ----	2	
										1640						---- ---- ?--- ---- ----	2	
										1644						---- ---- ?--- ---- ----	2	
										1719						x--- ---- ---- ---- ----	2	
										1765m						x--- ---- x--- ---- ----	1	
		SE base								1790	0309	1791	1226e			-x-- ---- x--- x--- --x-	2	
		Summit & SSW side (Negrillar de Ensenada)								1834	1129	1835	0224d			xx-- ---- x--- x--- ----	3?	
										1837	1107					x--- ---- x--- ---- ----	2	
		(some sources list ca. 1850 date)								1851						---- ---- x--- ---- ----	2?	
		(fumarolic activity only)								*X 1852*						---- ---- ---- ---- ----		
										1855						x--- ---- x--- ---- ----	2?	
										1869						x--- ---- x--- ---- ----	2	
Tronador (Chile/Argentina)	41.157 S	71.885 W	3491	1346			ABD		**Stratovolcano**	1508-011		Holocene?						
Cayutué-La Vigueria (Chile-S)	41.25 S*	72.27 W	506	4446			B		**Pyroclastic cones**	1508-012		**Tephrochronology**						
		La Vigueria								T-1050?						---x ---- x--- x--- ----		
Calbuco (Chile-S)	41.326S	72.614 W	2003	2356			A		**Stratovolcano**	1508-02=		**Historical**						
										T-6050?						x--- ---- x--- x--- ----		
										C-5560s						x--- ---- xx-- ---- ----		
										C-4300w						x--- ---- xx-- ---- ----		
										C-1920t						x--- ---- xx-- ---- ----		
										C-0330x						x--- ---- xx-- ---- ----		
										C-0100v						x--- ---- xx-- ---- ----		
										C 0040u						x--- ---- xx-- ---- ----		
										C 0220u						x--- ---- xx-- ---- ----		
										C 0520x						x--- ---- xx-- ---- ----		
										C 1380t						x--- ---- xx-- ---- ----		
										C 1600u						x--- ---- xx-- ---- ----		
										1792?						x--- ---- xx-- ---- ----		
		(steam observed from Osorno: Moreno)								*X 1837*		*X1838*				---- ---- ---- ---- ----		
										1893	0107	1894	0116>			x--- ---- x--- ?--- -xx-	4*	
										1894	1116	1895?				x--- ---- x--- ---- --x-	2?	
										1906						---- ---- x--- ---- ----	2	
										1907	0422					---- ---- x--- ---- ----	2?	
										1909	03					---- ---- x--- ---- ----	2	
										1911		1912				---- ---- x--- ---- ----	2	
										1917	04	1917	05			x--- ---- x--- x-x- -xx-	3?	
										1929	0106	1929	0106			x--- ---- xx-- x--- -xx-	3?	
										1961	0201	1961	0326>			x--- --x- x-x- x--- -xx-	3	
										1972	0826	1972	0826			x--- ---- x--- ---- ----	2	
Cuernos del Diablo (Chile-S)	41.40 S	72.00 W	1862	2346			B		**Stratovolcano**	1508-021		**Holocene**						
Yate (Chile-S)	41.755S	72.396 W	2187	2346			A		**Stratovolcano**	1508-022		**Holocene**						
Hornopirén (Chile-S)	41.874S	72.431 W	1572	2346			A		**Stratovolcano**	1508-023		**Holocene**						
										? 1835						---- ---- ---- ---- ----		
Apagado (Chile-S)	41.88 S	72.58 W	1210	1246			B		**Pyroclastic cone**	1508-024		**Holocene**						
Crater Basalt Volc Field (Argenti)	42.02 S*	70.18 W	1359	3345			Xb		**Cinder cones**	1508-025		**Holocene**						
Huequi (Chile-S)	42.377S	72.578 W	1318	0146			A		**Stratovolcano**	1508-03=		**Historical**						
										1890						x--- ---- x--- ---- ----	3?	
										1893						x--- ---- x--- x--- ----	2	
										1896						---- ---- x--- ---- ----	2	
										1900						---- ---- x--- ---- ----	2	
										1906		1907				---- ---- x--- ---- ----	2	
										1920?						---- ---- x--- ---- ----	2	
Minchinmávida (Chile-S)	42.793S	72.439 W	2404	0145			ABR		**Stratovolcano**	1508-04=		**Historical**						
		(MIC1 tephra)								T-3790z						---- ---- x--- ---- ----		
		(MIC2 tephra)								T-0880*						---- ---- x--- ---- ----		
										? 1650t						---- ---- ---- ---- ----		
										1742						---- ---- ---- ---- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	30	100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Minchinmávida (Chile-S) *continued*											1834	1125	....	....		----- ----- x---- ?---- --x-	2	
											1835	0220	1835	0315e		x---- ----- ----- x---- --x-	0?	
Chaitén (Chile-S)	42.833	S 72.646 W	1122	4445			R		Caldera	1508-041					Historical			
(CHA1 tephra)										C-7420u	....	....	....		x--- ----- xx-x ----- -----	C		
											2008	0502	2010>	....	x--- ----- xx-- --x- xxx-	4	-/8	
Corcovado (Chile-S)	43.18	S 72.80 W	2300	1245			AB		Stratovolcano	1508-05-					Historical			
(COR1 tephra)										T-6640*	....	....	....		----- ----- x---- ----- -----			
(COR2 tephra)										C-6030v	....	....	....		----- ----- x---- ----- -----			
(COR3 tephra)										C-4920v	....	....	....		----- ----- x---- ----- -----			
(confused with Michinmavida eruption?)										? 1834	11	....	....		-?-- ----- ?---- ----- -----	2		
(confused with Michinmavida eruption?)										? 1835	1111	....	....		-?-- ----- ?---- ----- -----	2		
Yanteles (Chile-S)	43.50	S 72.80 W	2042	0245			A		Stratovolcanoes	1508-050					Radiocarbon			
(YAN1 tephra layer)										C-7240w	....	....	....		----- ----- x---- ----- -----			
										T-6650?	....	....	....		----- ----- x---- ----- -----			
										? 1835	0220	....	....		-x-- ----- x---- ----- -----			
Palena Volc Group (Chile-S)	43.78	S 72.47 W		1245			U		Cinder cones	1508-051					Holocene			
Melimoyu (Chile-S)	44.08	S 72.88 W	2400	0135			ADB		Stratovolcano	1508-052					Radiocarbon			
(MEL1 tephra)										C-0820v	....	....	....		----- ----- x---- ----- -----			
(MEL2 tephra)										C 0200u	....	....	....		----- ----- x---- ----- -----			
Puyuhuapi (Chile-S)	44.30	S 72.53 W	524	3345			Bxy		Cinder cones	1508-053					Holocene			
Mentolat (Chile-S)	44.70	S 73.08 W	1660	0135			AB		Stratovolcano	1508-054					Historical			
										C-5010t	....	....	....		----- ----- x---- ----- -----			
										1710e	....	....	....		x---- ----- ----- x---- -----			
Cay (Chile-S)	45.059	S 72.984 W	2090	0235			BD		Stratovolcano	1508-055					Holocene?			
Maca (Chile-S)	45.10	S 73.17 W	2960	0035			BAD		Stratovolcano	1508-056					Radiocarbon			
(MAC1 tephra)										C 0410t	....	....	....		----- ----- x---- ----- -----			
Hudson, Cerro (Chile-S)	45.90	S 72.97 W	1905	0225			BYTXA		Stratovolcano	1508-057					Historical			
										C-8010?	....	....	....		----- ----- x---- ----- -----			
(tephra layer T1)										C-4960w	....	....	....		----- ----- x---- ----- -----			
(tephra layer H1/T2)										C-4750?	....	....	....		x---- ----- x---- ----- -----	6	-/10	
(tephra layer T3)										C-3890z	....	....	....		----- ----- x---- ----- -----			
(tephra layer T4)										C-2250<	....	....	....		----- ----- x---- ----- -----			
(tephra layer H2/T5)										G-1890?	....	....	....		x---- ----- x---- ----- -----	6	-/10	
(tephra layer HW6)										G-0790u	....	....	....		----- ----- x---- ----- -----			
(tephra layer T6)										C-0120x	....	....	....		----- ----- x---- ----- -----			
(tephra layer HW7)										G 0390w	....	....	....		----- ----- x---- ----- -----			
(tephra layer T7)										C 0860v	....	....	....		----- ----- x---- ----- -----			
(tephra layer T8)										C 1740w	....	....	....		----- ----- x---- ----- -----			
										1891	....	....	....		----- ----- ?---- ----- -----			
NW part of caldera (tephra layer T9)										1971	0812	1971	0918>		x--- --?- x---- ?---- xxx-	3		
NW caldera rim and SW caldera floor										1991	0808	1991	1027		x-x- --x- xx-- x---- -xx-	5+	-/9	
Río Murta (Chile-S)	46.17	S 72.67 W		0035			B		Pyroclastic cones	1508-058					Holocene?			
Arenales (Chile-S)	47.20	S 73.48 W	3437	0004			U		Stratovolcano	1508-059					Historical			
										1979	0308<	....	....		----- ----- x---- ----- -----	1?		
Lautaro (Chile-S)	49.02	S 73.55 W	3607	0024			Da		Stratovolcano	1508-06-					Historical			
										1876	10	....	....		----- ----- x---- ----- -----	2?		
										? 1878	0118	....	....		----- ----- ?---- ----- -----	1		
(between lakes San Martin and Viedma)										@ 1879	....	....	....		----- ----- ----- ----- -----			
										1933	02	....	....		----- ----- x---- ----- -----	2?		
										1945	0115q	....	....		----- ----- x---- ----- -----	1		
										1959	1228	1960	0120		----- ----- x---- x---- -----	2		
(aerial observ., possibly Lautaro)										@ 1961	10	....	....		----- ----- ----- ----- -----	2		
										1972	....	....	....		----- ----- ?---- ----- -----			
										1978	06	....	....		----- ----- ?---- ----- -----			
										1979	0308<	....	....		----- ----- x---- ----- -----	2?		
Viedma (Argentina)	49.358	S 73.28 W	1500	0024			D		Subglacial volc	1508-061					Historical			
Southernmost crater										1988	1115q	....	....		----- --x- x---- ----- --x-			
Aguilera (Chile-S)	50.33	S 73.75 W	2546	0034			D		Stratovolcano	1508-062					Radiocarbon			
										C-2610?	....	....	....		----- ----- x---- ----- -----			
(A1 tephra)										G-1250w	....	....	....		----- ----- x---- ----- -----	5	-/9	
Reclus (Chile-S)	50.964	S 73.585 W	1000	0135			D		Cinder cone	1508-063					Historical			
										T-1830>	....	....	....		x---- ----- x---- ----- -----			
										1869	....	....	....		x---- ----- x---- ----- -----	2		
										1879	....	....	....		x---- ----- x---- ----- -----	2		
										1908a	....	....	....		x---- ----- x---- ----- -----	1?		
Burney, Monte (Chile-S)	52.33	S 73.40 W	1758	0004			AD		Stratovolcano	1508-07-					Historical			
(MB1 tephra layer)										G-7450z	....	....	....		----- ----- x---- ----- -----	5	-/9	
										T-7390x	....	....	....		----- ----- x---- ----- -----			
										G-3740j	....	....	....		----- ----- x---- ----- -----			
(MB2 tephra)										G-2320v	....	....	....		x---- ----- x--? ----- -----	5	-/9	
										T-0800z	....	....	....		----- ----- x---- ----- -----			
										G-0090v	....	....	....		----- ----- x---- ----- -----			
										1910	03	....	....		----- ----- ?---- ----- -----	2		
Palei-Aike Volc Field (Chile/Argen)	52.00	S' 70.00 W	282	3335			BX		Cinder cones	1508-08-					Anthropology			
										A-5550*	....	....	....		----- ----- x---- x---- -----			
Fueguino (Chile-S)	54.95	S 70.25 W	150	2234			A		Lava domes	1508-09-					Historical			
										? 1712	1126d	....	....		----- ----- ----- ----- -----			
										1820	1125	1820	1126>		----- ----- x---- ----- -----	2?		

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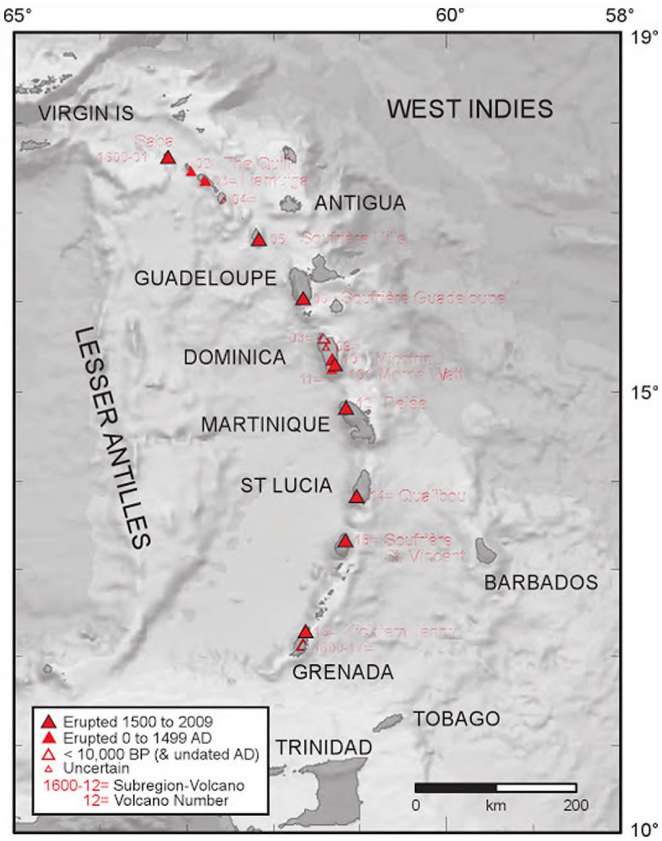
West Indies (16)

Of the broad region known as the West Indies, only the Lesser Antilles, an arc of small islands formed by subduction of oceanic crust moving westward from the Mid-Atlantic Ridge, are volcanically active, forming the smallest of the *CAVW* regions. The small size of the islands places its towns and cities in close proximity to volcanoes, however, and the West Indies exceeds four other regions in population residing within 100 km of a volcano

The northern islands were discovered by Columbus on his second voyage, in 1493, and other islands on his third in 1498, but they were passed over by settlers preferring the Greater Antilles to the west. It was not until the 1630s and the sugar trade that Europeans started to settle in the islands. On Saba they chose grassy flatlands that were apparently the newly vegetated tops of very recent valley-filling pyroclastic-flow deposits. And on Martinique settlers noticed that Mont Pelée was suspiciously bare of vegetation. The first historical eruption, though, was on Guadeloupe around 1690. Ownership of islands shifted among the French, British, and Dutch, with Carib Indians showing fierce resistance to colonization on some islands. Several islands retain formal ties to Europe, whereas others have achieved independence in recent decades. Monitoring of the volcanoes is by the Seismic Research Unit of the University of the West Indies, principally by seismic data telemetered to their base in Trinidad, and by French observatories in Guadeloupe and Martinique. For many years the Montserrat Volcano Observatory was operated by the British Geological Survey, but since April 2008, the Observatory has been managed through a partnership of the Eastern Caribbean's two major geo-hazard organizations, the UWI Seismic Research Centre (Trinidad and Tobago) and the Institut de Physique du Globe de Paris (France).

This region has the lowest number of volcanoes (18), and smallest area of affected nations. Stratovolcanoes dominate (67%) in the West Indies to a degree matched only by Alaska. More than 90% of its eruptions are explosive, and the West Indies has the highest proportion (87%) of any region with eruptions that are strictly explosive, with no accompanying lava flows or domes. No other region has had a lower proportion of its eruptions that produce lava flows (6 of 132, or 4.5%). However, a high proportion of its eruptions compared to other regions have produced lava domes (12%, second to Region 12's 20%). Dome growth is often accompanied by pyroclastic flows, and three West Indian volcanoes are in the top ten globally in percentage of eruptions (for volcanoes with at least 5 eruptions) producing pyroclastic flows. More than 90% of the 54 dated eruptions of Mont Pelée, including the devastating 1902 eruption, have produced these hazardous flows.

Many detailed tephra studies, largely by British and French volcanologists, have produced a regional high of 68% radiocarbon eruption dates. Only 28 historical dates have been recorded in the West Indies and, like the Western United States, a high percentage of its eruptions are dated by non-historical techniques. Two major eruptions in 1902 drew world-wide attention to volcanoes in this region. The eruption of Montagne Pelée destroyed the city of St. Pierre, causing 29,000 fatalities, but the comparably large eruption of Soufrière St. Vincent had lesser impact in a more sparsely populated island. Recent bathymetric studies have documented the widespread occurrence of massive submarine debris-avalanche deposits resulting from collapse of island volcanoes. This region has been relatively quiet in recent decades following the 1979 eruption of Soufrière St. Vincent volcano. The only eruption since then (aside from a small phreatic eruption at the Valley of Desolation on Dominica in 1997 and a submarine eruption from Kick-em-Jenney volcano north of Grenada in 2001) has been the long-term eruption at Soufrière Hills volcano on Montserrat. This eruption began with phreatic explosions in 1995, and soon intensified. Pyroclastic flows and mudflows accompanying growth and destruction of a new summit lava dome eventually entirely overran the capital city of Plymouth. The eruption continues at this writing, with long-term economic disruption resulting from evacuation of much of the southern half of the island.



VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL (≤5 km, 10, 30, 100)	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
WEST INDIES														
Saba (Saba)	17.63 N	63.23 W	887	4446	ABd	Stratovolcano	1600-01=	Historical						
SW flank								1640<				-x-- ---- xx-- --?? ----		
Quill, The (Statia)	17.478 N	62.960 W	601	4446	Ardb	Stratovolcano	1600-02=	Radiocarbon						
								C-6140x				x--- ---- xx-- ---- ----		P
								C-0550?				x--- ---- xx-- ---- ----		
								C 0250w				x--- ---- xx-- ---- ----		
Liamuiga (St. Kitts)	17.37 N	62.80 W	1156	4456	AB	Stratovolcano	1600-03=	Radiocarbon						
(tephra unit D)								C-2010w				x--- ---- xx-- ---- --x-		P
(tephra unit E)								C 0060v				x--- ---- xx-- ---- ----		
(tephra unit F)								C 0160x				x--- ---- xxx- ---- ----		P
								? 1692				x--- ---- ---?- ---- ----		
								? 1843	0208			x--- ---- ---?- ---- ----		
Nevis Peak (Nevis)	17.15 N	62.58 W	985	4456	AD	Stratovolcano	1600-04=	Holocene?						

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km	10	100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Radial / Regional / Submarine / Subglacial / Subaqueous / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol LJT
Soufrière Hills (Montserrat)	16.72 N	62.18 W	915	4446			ADB	**Stratovolcano**	1600-05=	**Historical**							
English's crater									C-2000u						x--- ---- xx-A ---- ----		
Castle Peak									C 1630t						x--- ---- xx-- --x- ----		7/-
											1995	0718	2003	1008	x--- ---- xxxA --xx xxxx	3*	8/-
											2004	0303	2004	0502	x--- ---- xx-- ---- --x-	3?	
											2005	0415	2010>	....	x--- ---- xx-- --xx -xxx	3?	
Soufrière Guadeloupe (W Indies)	16.05 N	61.67 W	1467	4566			ADbr	**Stratovolcano**	1600-06=	**Historical**							
(formation of Amic Crater)									G-7490w						x--- ---- xx-A ---- --x-		
									G-6450w						x--- ---- xx-A ---- --x-		
South flank (Gros Fougas)									G-3310w						-x-- ---- xx-- x-x- ----		
									?-2050?						---- ---- ?--- ---- ----		
									G-1810w						---- ---- xxxA ---- --x-		
Morne Amic									G-1310w						x--- ---- xx-A --x- ----	3?	
									G-0980x						x--- ---- x--A ---- --x-		
Morne Amic ?									G-0820v						x--- ---- xxxA --x- --x-	3?	
South flank (Morne Lenglet)									C-0580>						-x-- ---- x--- x--- ----	2	
La Citerne and L'Eschelle cones									G 0370u						-x-- ---- x-x- x--- --x-		
									G 1340t						x--- ---- xx-- ---- ----	3?	
									G 1370w						x--- ---- xx-- ---- --x-	P	
La Soufrière									G 1440v						x--- ---- xx-A --x- ----	P	7/-
									G 1600t						---- ---- xx-- ---- ----		
Gouffre Dupuy, Gouffre Tarissan											1690	0405>			x-x- ---- x-x- ---- ----	1	
North side of summit dome											1696	04			x--- ---- x-x- ---- ----	1	
NNW side of summit dome											1797	0929	1798	0426?	x-x- ---- xxx- ---- --x-	2	
E-W fissure on summit dome											1812	04	1812	0510	x-x- ---- x-x- ---- ----	1	
SE to NW sides of summit dome											1836	1203	1837	0212	x-x- ---- xxx- ---- --x-	2	
SE side summit dome											*? 1903*				x--- ---- ---?- ---- ----	*2*	
ESE side, Napoléon Crater											1956	1019	1956	1027	x-x- ---- xxx- ---- --x-	1	-/5
SE side of summit (Gouffre Tarissan)											1976	0708	1977	0301	x-x- ---- xxx- ---- -xx-	2	-/5
Unnamed (Guadeloupe-SE of)	15.97 N	61.43 W	-45								1600-07=	Not a Volcano					
(submarine geyser or karst collapse)									*X 1843*	*0217*	*X1843*	*0217*			---- ---- ---- ---- ----		
Diables, Morne aux (Dominica)	15.612 N	61.43 W	861	4556			AD	**Stratovolcano**	1600-08=	**Holocene**							
Diablotins, Morne (Dominica)	15.503 N	61.397 W	1430	3456			ADB	**Stratovolcano**	1600-09=	Holocene?							
Trois Pitons, Morne (Dominica)	15.37 N	61.33 W	1387	4556			A	**Complex volcano**	1600-10=	**Radiocarbon**							
Micotrin?									C 0790t						x--- ---- xx-- --x- ----		
Micotrin?									C 0920t						x--- ---- xx-- ---- ----		
Watt, Morne (Dominica)	15.307 N	61.305 W	1224	4556			AB	**Stratovolcanoes**	1600-101	**Historical**							
NE of Watt Mtn (Valley of Desolation)									C-1800v						-x-- ---- x-x- ---- ----		
NE of Watt Mtn (Valley of Desolation)									C-0950y						-x-- ---- x-x- ---- ----		
West flank of Morne Watt									C 0640w						-x-- ---- xx-- ---- --x-		
NE of Watt Mtn (Valley of Desolation)											1880	0104	1880	0104	-x-- ---- x-x- ---- --x-	2?	
NE of Watt Mtn (Valley of Desolation)											1997	0715	1997	0715	-x-- ---- x-x- ---- ----	1	
Plat Pays, Morne (Dominica)	15.255 N	61.341 W	940	5556			DA	**Stratovolcano**	1600-11=	**Radiocarbon**							
Morne Plat Pays									C-4740?						---- ---- xx-- ---- ----		
Morne Patates ?									C-0430?						?--- ---- xx-- ---- ----		
Morne Patates									C 0390s						x--- ---- xx-- --x- ----		
Morne Patates									C 1270t						x--- ---- xx-- --x- ----		
Pelée (Martinique)	14.82 N	61.17 W	1397	3466			Adb	**Stratovolcano**	1600-12=	**Historical**							
(tephra layer P9)									G-8210x						x--- ---- xx-- ---- ----	4?	-/8
ESE flank (Aileron lava dome)									U-7750z						-x-- ---- ---- --x- ----		
									G-7320*						x--- ---- xx-- --x- ----		
ESE flank (Sans Nom lava dome)									U-7050*						-x-- ---- ---- --x- ----		
(tephra layer P8)									G-6610w						x--- ---- xx-- ---- ----	4?	-/8
Vent slightly south of present summit									C-6450?						x--- ---- xx-- --x- ----		
Vent slightly south of present summit									G-6220x						x--- ---- xx-- ---- ----	P	
									C-5800?						x--- ---- xx-- ---- ----		
									G-5500x						x--- ---- xx-- ---- ----	P	
									G-4510z						x--- ---- xx-- --x- ----		
(tephra layer NMR)									G-3930v						x--- ---- xx-- --x- ----		
									C-3820?						x--- ---- xx-- ---- ----	P	
									T-3500x						x--- ---- xx-- ---- ----	P	
(tephra layer P6)									G-3430u						x--- ---- xx-- ---- ----	4?	-/8
									C-3290?						x--- ---- xx-- ---- ----		
									C-3250?						x--- ---- xx-- --x- ----		
(NPM tephra layer)									G-3120x						x--- ---- xx-- --x- ----		
									C-3020?						x--- ---- xx-- --x- ----		
(tephra layer P5)									G-2660x						x--- ---- xx-- ---- ----	4?	-/8
(tephra layer NRS1)									G-2460v						x--- ---- xx-- --x- ----		
									C-2430?						x--- ---- xx-- ---- ----	P	
									C-2360?						x--- ---- xx-- --x- ----		
									C-2280?						x--- ---- xx-- ---- ----		
(tephra layer NRS2)									G-2100x						x--- ---- xx-- --x- ----		
(tephra layer NRS3)									G-1390w						x--- ---- xx-- --x- ----		
(tephra layer NAB1)									G-0890t						x--- ---- xx-- --x- ----		
									C-0730?						x--- ---- xx-- ---- ----		
									C-0620?						x--- ---- xx-- ---- ----		
									C-0600?						x--- ---- xx-- ---- ----		
(tephra layers NAB2 and P4)									G-0590x						x--- ---- xx-- --x- ----	4?	-/8
									C-0440?						x--- ---- xx-- ---- ----	P	
									G-0300v						x--- ---- xx-- --x- ----		
									C-0200?						x--- ---- xx-- ---- ----	P	
(tephra layer P3)									G 0010t						x--- ---- xx-- ---- ----	4	-/8
									C 0050?						x--- ---- xx-- ---- ----	P	
									C 0130?						x--- ---- xx-- ---- ----	P	
(NMP tephra layer)									C 0220u						x--- ---- xx-- --x- ----		
									C 0300?						x--- ---- xx-- ---- ----	P	
(tephra layer P2)									G 0350u						x--- ---- xx-- ---- ----	4	-/8
									C 0450?						x--- ---- xx-- ---- ----	P	
									C 0650?						x--- ---- xx-- ---- ----		
									C 0720?						x--- ---- xx-- ---- ----		
(NRC1 tephra layer)									G 0890v						x--- ---- xx-- --x- ----	P	
									C 0910?						x--- ---- xx-- ---- ----		
									C 1190?						x--- ---- xx-- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Pelée (Martinique) *continued*		(NRC2 tephra layer)				C	1260p	....	....	....		x--- ---- xx-- ---- ----		
		(tephra layer P1)				G	1340t	....	....	....		x--- ---- xx-- ---- ----	4	-/8
		(tephra layer NRP1)				C	1370?	....	....	....		x--- ---- xx-- ---- ----		
		(tephra layer NRP2)				C	1460p	....	....	....		x--- ---- xx-- ---- ----		
		(tephra layer NRP3)					1635<	....	....	....		x--- ---- xx-- --x- ----		
		Upper Rivière Claire valley					1792	0122	1792	04 ?		-x-- ---- --x- ---- --x-	1	
		Upper Rivière Claire valley (900 m elevation)					1851	0805	1852	0201p		-x-- ---- x-x- ---- --x-	2	
		Rivière Blanche and summit crater					1902	0423	1905	1005		xx-- ---x xxx- --xx xxxx	4*	8/8
							1929	0916	1932	1201p		x--- ---- xx-- --xx -xx-	3*	
Hodder's Volcano (W Indies)	14.03 N	61.07 W						1600-13=	Not a Volcano					
		(no volcano at this location)				X	*1902*	*0509*	....	....		---- ---- ---- ---- ----		
Qualibou (St. Lucia)	**13.83 N**	**61.05 W**	**777**	5566	ADb	**Caldera**		**1600-14=**	**Historical**					
		Sulphur Springs area					1766	....	....	....		x--- ---- --x- ---- ----	1	
Soufrière St. Vincent (St. Vincent)	**13.33 N**	**61.18 W**	**1220**	4566	AB	**Stratovolcano**		**1600-15=**	**Historical**					
							C-2380v	....	....	....		x--- ---- xx-- x--- --x-		
							C-2310v	....	....	....		x--- ---- xx-- ---- ----		
							C-2200w	....	....	....		x--- ---- xx-- ---- ----		
							C-2135t	....	....	....		x--- ---- xx-- ---- --x-		
							C-2020u	....	....	....		x--- ---- xx-- ---- ----		
							C-1600u	....	....	....		x--- ---- xx-- ---- ----		
							C-0750v	....	....	....		x--- ---- xx-- ---- ----		
							C-0530u	....	....	....		x--- ---- xx-- ---- ----		
							C 0905u	....	....	....		x--- ---- xx-- ---- ----		
							C 1325u	....	....	....		x--- ---- xx-- ---- ----		
							C 1395u	....	....	....		x--- ---- xx-- ---- ----		
							C 1480w	....	....	....		x--- ---- xx-- ---- ----		
							C 1550t	....	....	....		x--- ---- xx-- ---- ----		
							C 1640t	....	....	....		x--- ---- xx-- ---- ----		
							1718	0326?	1718	0329		x--- ---- x?-- ---- ----	3?	
							1784	03 <	....	....		x--- ---- ---- --?- ----	0	
		Old summit crater & new NE rim crater					1812	0427	1812	0609?		xx-- ---x xx-- ---- xxx-	4	-/8
							1814	0109	1814	0109		x--- ---x --x- ---- ----	1?	
						?	*1880*	....	....	....		x--- ---x ---- ?--- ----	*0*	
							1902	0506	1903	0330		x--- ---x xxx- ---- xxxx	4?	-/8
							1971	1004f	1972	0320		x--- ---x ---- x-x- ----	0	7/-
							1979	0413	1979	1026e		x--- ---x xxx- --x- ?xx-	3	7/7
Kick 'em Jenny (Grenada-N of)	**12.300 N**	**61.640 W**	**-185**	0456	Bad	**Submarine volc**		**1600-16=**	**Historical**					
		Ile de Caille				A	1000x	....	....	....		x--- ---- ---- x--- ----		
							1939	0724	1939	0724		---- x--- x--- ---- ---?	1	
						S	1943	1005	S1943	1006		---- x--- ---- ---- ----	0	
						S	1953	1030	S1953	1030		---- x--- ---- ---- ----	0	
						S	1965	1024	S1965	1024		x--- x--- ---- ---- ----	0	
						S	1966	0505	S1966	0806		x--- x--- ---- ---- ----	0	
						S	1972	0705	S1972	0705		x--- x--- ---- ---- ----	0	
							1974	0905	1974	0906		x--- x--- x--- ---- ----	0	
						S	1977	0114	S1977	0114		x--- x--- ---- --x- ----	0?	
						S	1977	1111	....	....		x--- x--- ---- --x- ----	0	
						S	1988	1229	S1988	1230		x--- x--- xx-- ---- ----	0	
						S	1990	0326	S1990	0328		x--- x--- x--- ---- ----	0	
						S	2001	1204	S2001	1206		x--- x--- ---- ---- ----	0	
St. Catherine (Grenada)	**12.15 N**	**61.67 W**	**840**	4555	AXBD	**Stratovolcano**		**1600-17=**	**Holocene**					

Richard Fiske (Smithsonian)

A blocky lava dome, 130 m high and more than 840 m wide filled much of the crater floor of Soufrière St. Vincent volcano during the 1979 eruption. Dome growth began in May, after a series of powerful explosive eruptions April 13-15, and continued until October. Steam continues to rise from the dome in this 1983 photo from the SW crater rim.

Richard Herd (MVO)

A pyroclastic flow sweeps down the Tar River valley on the eastern flank of Soufrière Hills volcano on January 16, 1997. The January 16 pyroclastic flow was the largest to date during the eruption that had begun with phreatic explosions in 1995. Later pyroclastic flows overran populated areas and the capital city of Plymouth.

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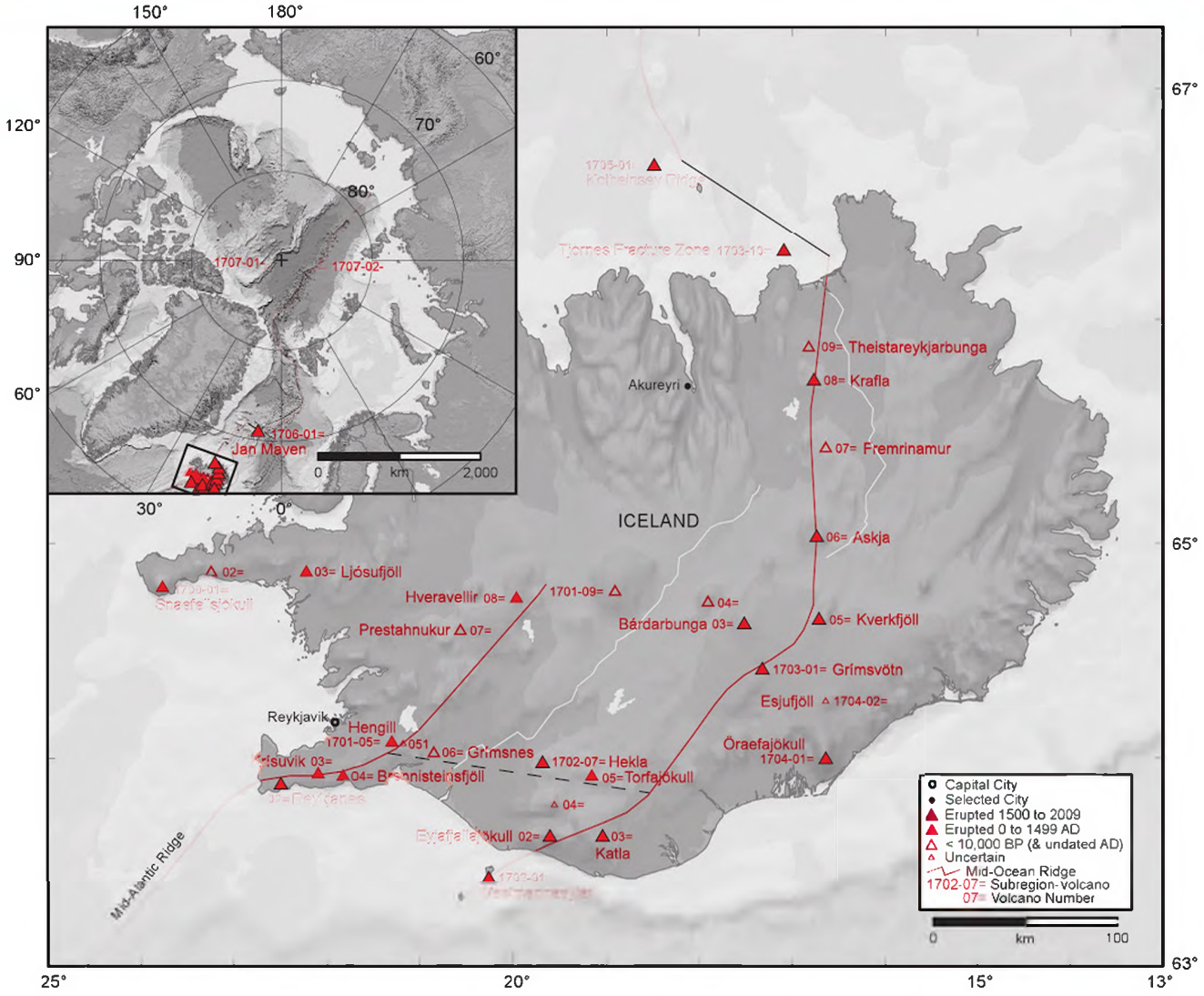
Iceland & Arctic Ocean (17)



The volcano-rich island of Iceland has the land area of the state of Virginia with only 1% of its population. Iceland's population of 301,000 ranks it above only the Kurils and Antarctica, among *CAVW* regions, but it enjoys the highest literacy rate (100%) of any nation in the world, and its close interaction with volcanoes makes it indeed a nation of volcanologists. Iceland has the highest proportion of Holocene volcanoes that bear dated eruptions (86%), and this follows largely from work initiated by Iceland's pioneer of tephrochronology, Sigurdur Thorarinsson, who developed this stratigraphic dating technique and assigned its name. Iceland leads all regions with nearly half of its eruptions having been dated by this approach, and detailed studies of the products of Icelandic eruptions are ongoing and will modify the eruptive record shown here.

First settled by Vikings in the 9th century AD, Iceland established its own parliament in 930 and recorded its first historical eruption only a few years later. An eruption in 1000 AD played an important role in Icelandic history when it occurred during a debate over the national religion at a meeting of the Icelandic outdoor parliament at Thingvellier. After a golden age of literature in the 12th and 13th centuries, natural history reporting reached a low around the 15th century (only 5 historical eruptions recorded, as opposed to 12 each in the 12th and 13th centuries and 15 in the 17th century). In the years 1707-09 a third of the population died from smallpox, and the 1783-84 Laki eruption killed a fifth of the remaining population by famine. Iceland gained sovereignty from Denmark in 1918 and complete independence in 1944.

This land of fire and ice is noted for subglacial and regional fissure eruptions, having produced 89% and 43% (respectively) of the world's total for each type. Fissure eruptions dominate because Iceland combines a hotspot setting with one of the few places where the oceanic rift system emerges above sea level. This setting has brought widespread attention to the region's volcanoes from many geophysical sub-disciplines.

Following the 1974-84 fissure eruptions at Krafla caldera, Iceland has been relatively quiet, with eruptions from Hekla in 1991 and 2000 and subglacial eruptions from Grímsvötn caldera in 1996, 1998, and 2004. Further to the north, Jan Mayen erupted in 1986, and in 1999 a seismic swarm on the East Gakkel Ridge (near 86°N, 85°E) may have originated from submarine lava effusion, although this has not been confirmed.

Iceland's volcanoes have been organized by volcanic systems that provide meaningful grouping of genetically related surface features. We have followed the volcanic systems used in the tectonics sheet of the geological map of Iceland (Johannesson and Saemundsson, 1998). The *en echelon* distribution of volcanic systems along the subaerial component of the Mid-Atlantic Ridge has resulted in the construction of central volcanoes with long regional fissure systems, both of which are sometimes simultaneously active. The length of the

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fissures often exceeds the mid-point of the distance between adjacent central volcanoes, so that closely spaced eruptive fissures may actually be related to volcanic systems whose centers lie in opposite directions. Two of the largest recent eruptions in Iceland, the Eldgjá eruption about 934 AD and the 1783 Laki eruption, took place from fissures only about 5 km apart that parallel each other for several tens of kilometers, but are related to the Katla and Grímsvötn central volcanoes, respectively, whose summits lie 120 km apart.

The *CAVW* organizers did not recognize arctic volcanism and assigned no region numbers beyond 19, so we consequently have expanded region 17 beyond Jan Mayen to include the full Arctic Ocean and adjacent northern seas, thus including Pleistocene volcanism on Spitsbergen (north of Norway), and submarine rifts such as the East Gakkel Ridge.

VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	100	300	100	ROCK TYPE	VOLC TYPE / Area of Activity	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central	Flank vent	Radial fiss	Regional	Submarine	New island	Subglacial	Crater lake	Explosive	Pyro flow	Phreatic	Caldera	Lava flow	Lava lake	Dome	Spine	Fatal	Damage	Mudflow	Tsunami	VEI	Vol L/T
ICELAND - W																																		
Snaefellsjökull (Iceland-W)	64.80	N 23.78 W	1448	1345					**Stratovolcano**	1700-01=	**Radiocarbon**																								
									G-8460x								x																		
		(tephra layer Sn-3)							T-6050*						x		x																		
		East of Snaefellsjökull (Budaklettur)							T-4550*							x		x		x													2	
		West flank (Ondverdarnesholar)							T-4050*						x					x													0	
		SE flank (Dagverdarahraun)							C-2970y						x					x													0	
		NE flank (800 m)							C-2400x						x			x		x													2?	8/-
		South flank (Thufuhraun)							C-2270y						x					x													0	
		(tephra layer Sn-2)							C-2010v						x																			
		NW flank (Raudholar)							C-1000z						x			x		x													2	8/-
		(tephra layer Sn-1)							C 0200w						x			x		?														8/-
Helgrindur (Iceland-W)	64.87	N* 23.25 W	647	3345				B	**Pyroclastic cones**	1700-02=	**Holocene**																								
Ljósufjöll (Iceland-W)	64.87	N* 22.23 W	1063	3346				BRTYX	**Fissure vents**	1700-03=	**Anthropology**																								
		Eldborg							T-7050*							x		x		x													2	9/-
		Krothraunskula, Raudakúla, Graakula							T-2050?							x		x		x													3?	
		Grábrók							C-1750w							x		x		x													2	
		Ytri and Stóri Raudamelskula							C-0665v							x		x		x													2	8/-
		Raudhalsar							A 0960j							x			x	x													2	8/7
ICELAND - SW																																		
Reykjanes (Iceland-SW)	63.88	N* 22.50 W	230	5556				B	**Crater rows**	1701-02=	**Historical**																								
		Thrainskjöldur							T-8000?						x					xx													0	9/-
		Hopsnes							C-5040v							x				x													0	
		Sandfellshaed							T-4000?						x					xx													0	9/-
		Reykjaneshryggur (R-1 tephra layer)							T-3800y								x		x																
		Reykjaneshryggur (R-2, R-3 tephras), Stampar							T-1800y							x		x		x													2	7/-
		Sundhnukar							C-0400v							x		x		x													2	8/-
		Lambagjá							C-0200?							x				x													0	
		Reykjaneshryggur (near Eldey; R-4 tephra)							T 0920?								x		x															
		Reykjaneshryggur, (R-5 and R-6 tephras)							1179<								x		x														2	
		Valnsfellsgigur							1210							x			x														3?	-/8
		Stampar, Karlsgigur							1211							x			x	x														7/-
		Reykjaneshryggur (Karlsgigur; R-7 tephra)							1211	0831p							xx		x														4?	-/8
		Reykjaneshryggur (R-8 tephra layer)							1223								x		x														3	-/7
		Reykjaneshryggur (R-9 tephra layer)							1226	0715q	1227?						x		x														4	-/8
		Reykjaneshryggur (R-10 tephra)							1231								xx		x														3	-/7
		Reykjaneshryggur							1238								x																0	
		Reykjaneshryggur, Arnarsetur, Illahraun							1240							x		x		x													1	8/5
		Reykjaneshryggur							1340?								x		x														3↑	
		Reykjaneshryggur (Geirfuglasker-Eldey area)							1422								xx		x														2	
		Reykjaneshryggur (near Eldeyjar Islands)							1583	0715q							x																2?	
		(no 1661 eruption at Grindavik)							*X 1661*	*12*																								
		Reykjaneshryggur (Nyey)							1783	0501<	1783	0815r				x	xx		x														3↑	
		Reykjaneshryggur (Eldeyjarbodi)							1830	0313?	1831	03 ?				x	x?		x														3	
		Reykjaneshryggur (Geirfugladrangur)							1879	0530?	1879	0615e					x		x														1	
		Reykjaneshryggur (NW of Eldey)							? *1884*	*0726*							??																*2?*	
		Reykjaneshryggur (NE of Eldey)							1926	0605d							x																0	
		Reykjaneshryggur (Eldeyjarbodi)							? *1966*								x																*0*	
		Reykjaneshryggur (Eldeyjarbodi)							? *1970?*								?																*0*	
Krísuvík (Iceland-SW)	63.93	N* 22.10 W	379	5566				B	**Crater rows**	1701-03=	**Historical**																								
		Hagafell							T-8500?						x					xx													0	9/-
		Hrútagjár							T-6000?						x					xx													0	9/-
		Burfell							C-5290w							x			x															2	8/-
		Sandfellskofagigir							C-1060u							x				x														0	7/-
		Obrinnisholar							C-0190u							x			x															2	8/-
		Melholl, Afstapahraun							T 0900?							x			x															2	8/-
		Gvendarselsgigar							C 1075u							x				x														0	7/-
		Ogmundargigar and other vents							1151							x			x															1	8/5
		Mavahlidargigir							1188							x			x															1	7/5
		Elborg vid Trolladyngju							T 1325?							x			x															1	8/5
		Tradarfjöll							T 1340?							x			x															1	7/5
Brennisteinsfjöll (Iceland-SW)	63.92	N* 21.83 W	621	5566				B	**Crater rows**	1701-04=	**Historical**																								
		Heidin Há							T-9000?						x					xx													0	9/-
		Leitin							C-2660u							x				x														0	9/-
		Eldborg at Brennisteinsfjöllum							C-1040u							x			x															2	8/-
		Tvibollar							C 0875t							x			x															2	8/-
		Kista (Breiddalshraun)							C 0910u							x			x															2	7/-
		Rjupnadyngjur							C 0950?							x			x															2	8/6
		Eldborg at Lambafell							1000	0625d						x			x															0	8/-
		Kongsfell							T 1200?							x			x															2	
		Grafeldur (Selvogshraun)							1341a							x			x															2	8/-
Hengill (Iceland-SW)	64.08	N* 21.32 W	803	4466				BAR	**Crater rows**	1701-05=	**Historical**																								
		SSW of Hengill (Hellisheid-A)							G-8350?						x					xx													0	9/-
		Thingvallahraun							G-8250?						x					xx													0	10/-
		Hafnarhraun							T-8200?						x					xx													0	9/-
		Selvogsheidi							T-7550?						x					x													0	8/-
		Brunnar/Skogarkot							T-7300?							x				x															9/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
	—	Area of Activity						Start: Year M-Dy		Stop: Year M-Dy	Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Summit caldera / Crater lake / Explosive / Ash fall / Pyroclastic / Cinders / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami		
Hengill (Iceland-S) *continued*		Gjabakkahraun						T -7100?			x--- ---- ---- xx-- ----	0	9/-
		Stangarhals						T -5550z			---x ---- ---- x--- ----	0	7/-
		Eldborgir						T -5000?			---x ---- ---- x--- ----		9/-
		Hagavikurhraun						G -3750?			---x ---- x--- x--- ----	2	8/-
		Leitahraun, Ellidaárhraun						G -3250?			x--- ---- ---- xx-- ----	0	9/-
		Thjófahraun						G -1730t			---x ---- ---- x--- ----	0	9/-
		Eldborg undir Meitlum						C -0080u			---x ---- x--- x--- ----	2	8/-
		Nesjahraun, Reykjafellshraun						G 0150u			---x ---- x-x- x--- ----	2	8/-
Hrómundartindur (Iceland-S)	64.073	N° 21.202 W	540	4456		B	Stratovolcano	1701-051		Holocene?			
Grímsnes (Iceland-SW)	64.03	N° 20.87 W	214	4456		B	Crater rows	1701-06=		Tephrochronology			
		Seydisholar						G -7750?			---x ---- x--- x--- ----	3	-/7
								G -6250?			---- ---- x--- ---- ----		
		Selholl South						T -4500?			---x ---- ---- x--- ----	0	
		Selholl North						T -4450?			---x ---- x--- x--- ----	2?	
		Kerholar						C -4270w			---x ---- x--- x--- ----	3	9/7
		Borgaholl						T -4050?			---x ---- ---- x--- ----	0	
		Alftarholl						T -4000?			---x ---- x--- x--- ----	2?	
		Kolgrafarholl						T -3900?			---x ---- ---- x--- ----	0	
		Raudholar						T -3750?			---x ---- ---- x--- ----	0	
		Borgarholar						T -3650?			---x ---- ---- x--- ----	0	
		Kalfsholar						T -3500?			---x ---- x--- x--- ----	2?	
Prestahnukur (Iceland-SW)	64.60	N° 20.58 W	1400	2236		BR	Subglacial volc	1701-07=		Radiocarbon			
		Skjaldbreidur						C -7550z			x--- ---- ---- xx-- ----	0	10/-
		Geitlandshraun II						G -6950?			x--- ---- ---- xx-- ----	0	9/-
		Sköflungur						T -3350?			x--- ---- ---- x--- ----	0	8/-
Hveravellir (Iceland-SW)	64.75	N 19.98 W	1360	0015		BR	Subglacial volc	1701-08=		Radiocarbon			
		Leggjarbrjotur						T -8600?			x--- ---- ---- xx-- ----	0	9/-
		Kjalhraun						T -5850?			x--- ---- x--- xx-- ----	2?	10/-
		Strytuhraun						T -3550?			x--- ---- ---- x--- ----	0	8/-
		Krákshraun						T -2550?			x--- ---- ---- x--- ----	0	8/-
		Lambahraun						G -2050?			x--- ---- ---- xx-- ----	0	9/-
		Hallmundahraun						T 0950t			x--- ---- x--- x--- ----	2	9/6
Hofsjökull (Iceland-SW)	64.78	N 18.92 W	1782	0004		BR	Subglacial volc	1701-09=		Holocene			
ICELAND - S													
Vestmannaeyjar (Iceland-S)	63.43	N° 20.28 W	279	4445		Bxy	Submarine volcs	1702-01=		Historical			
		NW Heimaey (Háin tuff ring)						T -8050?			---x x--- xx-- x--- ----	4	-/8
		NW Heimaey (Nordurklettar)						T -7550?			---x x--- xx-- -x-- ----	3?	
		Alsey, Brandur, Sudurey, Hellisey						T -6050?			---- xx-- x--- ---- ----		
		Heimaey (Stórhöfdi tuff cone)						T -4550z			---- x--- x--- x--- ----		
		Heimaey (Saefell tuff cone)						G -4270x			---- x--- xx-- x--- ----	3	
		Heimaey (Helgafell)						U -3950y			x--- ---- x--- x--- ----		8/-
		SW of Heimaey ?						1637 10		1638 0228r	---- x--- x--- ---- ----		
		South or SE of Hellisey						1896 09			---- x--- ---- ---- ----		
		Surtsey						1963 1108		1967 0605	---x xx-- xx-- x--- ----	3*	8/8
		Heimaey (Eldfell)						1973 0123		1973 0628	---x x--- x-x- x--- xx--	3	8/7
Eyjafjallajökull (Iceland-S)	63.63	N 19.62 W	1666	0135		BYXT	Stratovolcano	1702-02=		Historical			
								T 0550?			x--- --x- ---- ---- ----		
		NW flank (Skerin ridge)						T 0920?			--x- --x- x--- x--- --J-	3	7/7
								1612			x--- --x- x--- ---- ----	2	-/6
								1821 1219		1823 0101	x--- --x- x--- ---- --J-	2*	-/6
Katla (Iceland-S)	63.63	N 19.05 W	1512	0035		BRDa	Subglacial volc	1702-03=		Historical			
								T -6380?			---- --x- x--- ---- ----		
								T -6230?			---- --x- x--- ---- ----		
								T -6200?			---- --x- x--- ---- ----		
								T -6170?			---- --x- x--- ---- ----		
								T -6050?			---- --x- x--- ---- ----		
								T -5960?			---- --x- x--- ---- ----		
								T -5890?			---- --x- x--- ---- ----		
								T -5850?			---- --x- x--- ---- ----		
								T -5730?			---- --x- x--- ---- ----		
								T -5720?			---- --x- x--- ---- ----		
								T -5710?			---- --x- x--- ---- ----		
								T -5630?			---- --x- x--- ---- ----		
		(tephra layer A9)						T -5560?			x--- --x- x--- ---- --J-		
		(Holmsá Fires eruption; NE flank)						T -5550?			---x --x- x--- x--- ----		9/-
								T -5470?			---- --x- x--- ---- ----		
		(tephra layer A8)						T -5460?			x--- --x- x--- ---- --J-		
								T -5360?			---- --x- x--- ---- ----		
								T -5230?			---- --x- x--- ---- ----		
		(tephra layer A7)						T -5180?			x--- --x- x--- ---- --J-		
								T -5070?			---- --x- x--- ---- ----		
								T -5040?			---- --x- x--- ---- ----		
								T -5020?			---- --x- x--- ---- ----		
								T -4880?			---- --x- x--- ---- ----		
								T -4810?			---- --x- x--- ---- ----		
								T -4750?			---- --x- x--- ---- ----		
								T -4660?			---- --x- x--- ---- ----		
								T -4610?			---- --x- x--- ---- ----		
								T -4430?			---- --x- x--- ---- ----		
								T -4370?			---- --x- x--- ---- ----		
								T -4280?			---- --x- x--- ---- ----		
								T -4240?			---- --x- x--- ---- ----		
								T -4210?			---- --x- x--- ---- ----		
								T -4060?			---- --x- x--- ---- ----		
								T -3930?			---- --x- x--- ---- ----		
		(tephra layer A1)						T -3810?			x--- --x- x--- ---- --J-		
		(tephra layer N1)						T -3790?			x--- --x- x--- ---- --J-		
								T -3720?			---- --x- x--- ---- ----		
								T -3670?			---- --x- x--- ---- ----		
								T -3640?			---- --x- x--- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Katla (Iceland-S) *continued*							T	-3510?	....	....	....	---- --x- x--- ---- ----		
							T	-3480?	....	....	....	---- --x- x--- ---- ----		
							T	-3390?	....	....	....	---- --x- x--- ---- ----		
							T	-3370?	....	....	....	---- --x- x--- ---- ----		
							T	-3280?	....	....	....	---- --x- x--- ---- ----		
							T	-3180?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer N2)					T	-2920?	....	....	....	x--- --x- x--- ---- --J-	3	-/7
							T	-2850?	....	....	....	---- --x- x--- ---- ----		
							T	-2680?	....	....	....	---- --x- x--- ---- ----		
							T	-2540?	....	....	....	---- --x- x--- ---- ----		
							T	-2480?	....	....	....	---- --x- x--- ---- ----		
							T	-2420?	....	....	....	---- --x- x--- ---- ----		
							T	-2250?	....	....	....	---- --x- x--- ---- ----		
							T	-2220?	....	....	....	---- --x- x--- ---- ----		
							T	-2190?	....	....	....	---- --x- x--- ---- ----		
							T	-2160?	....	....	....	---- --x- x--- ---- ----		
							T	-2110?	....	....	....	---- --x- x--- ---- ----		
							T	-2050?	....	....	....	---- --x- x--- ---- ----		
							T	-2020?	....	....	....	---- --x- x--- ---- ----		
							T	-2000?	....	....	....	---- --x- x--- ---- ----		
							T	-1950?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer N4)					G	-1920?	....	....	....	x--- --x- x--- ---- --J-	4	-/8
							T	-1910?	....	....	....	---- --x- x--- ---- ----		
							T	-1850?	....	....	....	---- --x- x--- ---- ----		
							T	-1700?	....	....	....	---- --x- x--- ---- ----		
							T	-1670?	....	....	....	---- --x- x--- ---- ----		
							T	-1640?	....	....	....	---- --x- x--- ---- ----		
							T	-1540?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer LN)					G	-1440s	....	....	....	x--- --x- x--- ---- --J-	4	-/8
							T	-1290?	....	....	....	---- --x- x--- ---- ----		
							T	-1280?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer MN)					G	-1220k	....	....	....	x--- --x- x--- ---- --J-	3	-/7
							T	-1190?	....	....	....	---- --x- x--- ---- ----		
							T	-1160?	....	....	....	---- --x- x--- ---- ----		
							T	-0990?	....	....	....	---- --x- x--- ---- ----		
							T	-0920?	....	....	....	---- --x- x--- ---- ----		
							T	-0860?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer UN)					G	-0850t	....	....	....	x--- --x- x--- ---- --J-	4	-/8
							T	-0780?	....	....	....	---- --x- x--- ---- ----		
							T	-0740?	....	....	....	---- --x- x--- ---- ----		
							T	-0700?	....	....	....	---- --x- x--- ---- ----		
							T	-0650?	....	....	....	---- --x- x--- ---- ----		
							T	-0600?	....	....	....	---- --x- x--- ---- ----		
							T	-0560?	....	....	....	---- --x- x--- ---- ----		
							T	-0550?	....	....	....	---- --x- x--- ---- ----		
							T	-0530?	....	....	....	---- --x- x--- ---- ----		
							T	-0430?	....	....	....	---- --x- x--- ---- ----		
							T	-0370?	....	....	....	---- --x- x--- ---- ----		
							T	-0250?	....	....	....	---- --x- x--- ---- ----		
							T	-0080?	....	....	....	---- --x- x--- ---- ----		
							T	0030?	....	....	....	---- --x- x--- ---- ----		
							T	0130?	....	....	....	---- --x- x--- ---- ----		
							T	0200?	....	....	....	---- --x- x--- ---- ----		
							T	0260?	....	....	....	---- --x- x--- ---- ----		
		(tephra layer YN)					C	0270k	....	....	....	x--- --x- x--- ---- --J-	3	-/7
							T	0290?	....	....	....	---- --x- x--- ---- ----		
							T	0400?	....	....	....	---- --x- x--- ---- ----		
							T	0500?	....	....	....	---- --x- x--- ---- ----		
							T	0540?	....	....	....	---- --x- x--- ---- ----		
							T	0590?	....	....	....	---- --x- x--- ---- ----		
							T	0610?	....	....	....	---- --x- x--- ---- ----		
							T	0680?	....	....	....	---- --x- x--- ---- ----		
							T	0780?	....	....	....	---- --x- x--- ---- ----		
							T	0820?	....	....	....	---- --x- x--- ---- ----		
							?	*0904*?	....	....	....	---- --?- ?--- ---- ----		
								0920	....	....	....	---- --x- x--- ---- -?J-	4	-/8
		Eldgjá fissure system (NE flank)					I	0934b	....	I 0940?	....	---x --x- x--- x--- -xJ-	4?	10/9
							T	0950?	....	....	....	---- --x- ---- x--- -xJ-		
							T	0960?	....	....	....	---- --x- x--- ---- ----	3	-/7
		(tephra from 934 AD Eldgá eruption)					X	*1000*?	....	....	....	---- ---- ---- ---- ----		
							T	1150t	....	....	....	---- --x- x--- ---- --J-		
								1177b	....	....	....	---- --x- x--- ---- -xJ-	3	-/7
							T	1210?	....	....	....	---- --x- x--- ---- ----	4	-/8
								1245	....	....	....	---- --x- x--- ---- --J-	4	-/8
								1262	....	....	....	---- --x- x--- ---- ?-J-	5	-/9
								1311	0118	....	....	---- --x- x--- ---- xxJ-		
		SW of Kotlugja						1357c	....	....	....	---- --x- x--- ---- -xJ-	4+	-/8
								1416	....	....	....	---- --x- x--- ---- --J-	4?	-/8
								1440	....	....	....	---- --x- x--- ---- --J-	4	-/8
							T	1450t	....	....	....	---- --x- x--- ---- --J-		
							T	1500?	....	....	....	---- --x- x--- ---- -xJ-	4	-/8
							T	1550?	....	....	....	---- --x- x--- ---- --J-	4	-/8
								1580	0811	....	....	---- --x- x--- ---- -xJ-	4	-/8
								1612	1012	....	....	---- --x- x--- ---- --J-	4	-/8
								1625	0902	1625	0914	---- --x- x--- ---- -xJ-	5	-/9
								1660	1103	1661	....	---- --x- x--- ---- -xJ-	4	-/8
								1721	0511	1721	1015q	---- --x- x--- ---- -xJ-	5?	-/9
		E-W fissure in center of caldera						1755	1017	1756	0213	--x- --x- x--- ---- xxJ-	5?	-/9
		Arcuate fissure in south part of caldera						1823	0626	1823	0723	---- --x- x--- ---- --J-	3?	-/8
								1860	0508	1860	0527	---- --x- x--- ---- --J-	4	-/8
		South side of caldera						1918	1012	1918	1104	---- --x- x--- ---- -xJ-	4+	-/8
		East side of caldera					?	*1955*	*0625*	....	....	---- --?- ---- ---- --J-	*0*	
		W, S, and E margins of caldera					?	*1999*	*0717*?	?*1999*	*0815*e	---- --?- ---- ---- --J-	*0*	
Tindfjallajökull (Iceland-S)	63.78 N	19.57 W	1463	0035	BYRA	**Stratovolcano**		1702-04=		Holocene?				

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG / Area of Activity	ELEV (m)	POPL 5 km	POPL 10	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava dome / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Torfajökull (Iceland-S)	63.92 N	19.17 W 1259 0015					RBADy	**Stratovolcano**	1702-05	=	**Historical**					
		W side of caldera (Slettahraun)						T-6050*	....	....	....			---x ---- ---- x--- ----		7/-
		Hrafntinnusker and Domadalshraun						T-5050*	....	....	....			---x ---- ---- x--- ----		8/-
		W of caldera (Laufafell domes)						T-4850*	....	....	....			---x ---- ---- x--- ----		7/-
		N of caldera (Haolduhraun)						T-4550z	....	....	....			---x ---- ---- x--- ----		7/-
		W side of caldera (Markafljot domes)						T-1550z	....	....	....			---x ---- ---- x--- ----		7/-
		N of caldera (Domadalshraun)						T-1150v	....	....	....			---x ---- ---- x--- ----		7/-
		N of caldera (Domadalshraun)						T 0150v	....	....	....			---x ---- x--- x--- ----	3	7/7
		W side of caldera (Hrafntinnuhraun)						T 0870?	....	....	....			---x ---- x--- x--- ----	3	8/7
		W side of caldera (Hrafntinnuhraun)						T 1170?	....	....	....			---x ---- x--- ---- ----		
		N of caldera (Namshraun, Laugahraun)							1477	03	....	....		---x ---- x--- x--- ----	2?	7/-
Hekla (Iceland-S)	63.98 N	19.70 W 1491 0035					ABRD	**Stratovolcano**	1702-07	=	**Historical**					
		Svinholdahraun						T-5850*	....	....	....			---- ---- ---- x--- ----		
		(H5 tephra)						G-5150?	....	....	....			---- ---- x--- ---- ----	5	-/9
		Reydarvatnshraun lava flow, Vatnafjöll						T-5050*	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll (Raudolduhraun)						T-4950*	....	....	....			---x ---- x--- x--- ----		
		Vatnafjöll (west of Laufafell)						T-4750*	....	....	....			---x ---- ---- x--- ----		
		Gunnarsholtshraun						T-4650z	....	....	....			---- ---- ---- x--- ----		
		Krokahraun, Vatnafjöll						T-4550z	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll (Lambadalshraun)						T-4350*	....	....	....			---x ---- x--- x--- ----		
		Knafaholdahraun						T-4250z	....	....	....			---- ---- ---- x--- ----		
		Vatnafjöll (Grasleysisfjallahraun)						T-4150*	....	....	....			---x ---- x--- x--- ----		
		Baejarhraun						T-4050z	....	....	....			---- ---- ---- x--- ----		
		Axarhraun, Vatnafjöll						T-3950z	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll						T-3750*	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll						T-3450*	....	....	....			---x ---- x--- x--- ----		
		Raudkollar, Vatnafjöll (Grafellshraun)						T-3350*	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll (Trollaskogahraun)						T-2950z	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll						T-2750*	....	....	....			---x ---- x--- x--- ----		
		Vatnafjöll (Reynnisfellshraun)						T-2450*	....	....	....			---x ---- ---- x--- ----		
		(H4 tephra)						G-2310p	....	....	....			---- ---- xx-- ---- --x-	5	-/9
		NE flank (Krokagilsoduhraun), Vatnafjöll						T-1850*	....	....	....			---x ---- x--- x--- ----		
								T-1750z	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll						T-1650*	....	....	....			---x ---- x--- x--- ----		
		(Seslund pumice)						T-1550?	....	....	....			---- ---- xx-- ---- --x-	4	-/8
		Vatnafjöll						T-1350*	....	....	....			---x ---- x--- x--- ----		
		NE flank, Vatnafjöll						T-1250*	....	....	....			---x ---- x--- x--- ----		
		Vatnafjöll (Hraunhalsshraun)						T-1150*	....	....	....			---x ---- ---- x--- ----		
		(H3 tephra)						G-1100t	....	....	....			---- ---- xx-- ---- --x-	5+	-/9
		NE flank (Raudkembingahraun), Vatnafjöll						T-0850*	....	....	....			---x ---- x--- x--- ----		
		NE flank, Vatnafjöll (Langviuhraun)						T-0750z	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll (Svalaskardshraun)						T-0650*	....	....	....			---x ---- x--- x--- ----		
		NE flank, Vatnafjöll (Langviuhraun)						T-0250z	....	....	....			---x ---- x--- x--- ----		
		Vatnafjöll (Kringluhraun)						T-0150*	....	....	....			---x ---- x--- x--- ----		
		NE flank (Hestolduhraun), Vatnafjöll						T 0250*	....	....	....			---x ---- ---- x--- ----		
		Vatnafjöll (Eskihlidarhraun)						T 0350*	....	....	....			---x ---- ---- x--- ----		
								T 0550*	....	....	....			---- ---- ---- x--- ----		
		NE flank (Helliskvislarhraun)						T 0650z	....	....	....			---x ---- x--- x--- ----		
		Taglgigahraun, Solvahraun, Stakahraun						T 0750?	....	....	....			---x ---- x--- x--- ----		
		Heklutaglahraun						T 0800t	....	....	....			---x ---- ---- x--- ----		
		Austurhraun						T 1050z	....	....	....			---- ---- ---- x--- ----		
		(H1 tephra)							1104	1015q	....	....		---x ---- x--- ---- xx--	5	-/9
									1158	0119	....	....		---x ---- x--- x--- -x--	4	8/8
									1206	1204	....	....		---x ---- x--- x--- -x--	3	-/7
									1222	....	....	....		---x ---- x--- x--- -x--	2	-/6
									1300	0711	1301	07		---x ---- x--- x--- xx--	4	8/8
									1341	0519	....	....		---x ---- x--- x--- -x--	3	-/7
		Summit ridge, west flank (Raudoldur)							1389	1201p	1390	....		--xx ---- x--- x--- -x--	3	8/7
		SE of Hekla						T 1440?	....	....	....			---x ---- x--- ---- -x--		
									1510	0725	....	....		---x ---- x--- x--- xx?-	4	-/8
		SW of Hekla (Raudubjallar)							1554	05	1554	06 ?		---x ---- x--- x--- ----	2?	8/-
									1597	0103	1597	06 >		---x ---- x--- x--- -xx-	4	-/8
									1636	0508	1637	06		x x x xx	3	-/7
									1693	0213	1693	0914?		---x ---- x--- x--- -xxx	4	-/8
		SW, south and east of Hekla							1725	0402	....	....		---x ---- x--- x--- ----	1?	
		Bjallagigar							1766	0405	1768	05		---x ---- x--- x--- -xx-	4	9/8
		Summit, SW and NE flanks							1845	0902	1846	0405?		---x ---- x--- x--- -xx-	4	8/8
		East of Hekla (Krakagigar)							1878	0227	1878	04		---x ---- x--- x--- ----	2	8/-
		E & NE of Hekla (Mundafit, Lambafit)							1913	0425	1913	0518		---x ---- x--- x--- ----	2	
		Hraungigur, Axlargigur, Toppgigur							1947	0329	1948	0421		---x ---- xx-- x--- xxx-	4	8/8
		Sudurgigar, Hlidargigar, Oldugigar							1970	0505	1970	0705		--x- ---- x--- x--- -x--	3	8/7
		Summit, SW and NE flanks							1980	0817	1980	0820		---x ---- xx-- x--- -x--	3	8/7
		Summit and north flank (900 and 740 m)							1981	0409	1981	0416		--x- ---- x--- x--- ----	2	7/-
		Summit, SW, SE & NE flank fissures							1991	0117	1991	0311		-xxx ---- x--- x--- ----	3	8/7
		SW flank							2000	0226	2000	0308		---x ---- xx-- x--- ----	3	8/7

ICELAND - NE

Grimsvötn (Iceland-NE)	64.42 N	17.33 W 1725 0004					B	**Caldera**	1703-01	=	**Historical**					
		(Saksunarvatn tephra layer)						G-8230t	....	....	....			x--- --x- x--- ---- ----	6	-/10
		Laki (Botnahraun)						T-4550z	....	....	....			---x ---- ---- x--- ----	0	
		S of Thordarhyrna (Bergvatnsarhraun)						T-3550z	....	....	....			---x ---- ---- x--- ----	0	8/-
		Raudholar and Brunuholar						T-1950v	....	....	....			---x ---- x--- x--- ----	2	9/-
		Halsagigur						T-0050?	....	....	....			---x ---- x--- x--- ----	2	
								T 0910?	....	....	....			---- --x- x--- ---- ----		
								I 0960?	....	....	....			---- --x- x--- ---- ----		
								I 1010?	....	....	....			---- --x- x--- ---- ----		
								T 1060?	....	....	....			---- --x- x--- ---- ----		
								I 1090?	....	....	....			---- --x- x--- ---- ----		
								I 1150?	....	....	....			---- --x- x--- ---- ----		
								I 1190?	....	....	....			---- --x- x--- ---- ----		
								I 1230j	....	....	....			---x --x- x--- ---- ----		
								I 1270j	....	....	....			---x --x- x--- ---- ----		
								I 1290j	....	....	....			---x --x- x--- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Grímsvötn (Iceland-NE) *continued*						I	1310j	....	....	....	---x --x- x--- ---- ----		
							1332	11	....	....	---- --x- x--- ---- --?-	2	
							1341	05	....	....	---- --x- x--- ---- --?-	2	
						I	1350?	....	....	....	---- --x- x--- ---- ----		
							1354?	....	....	....	---x --x- x--- ---- ----		
						I	1369?	....	....	....	---- --x- x--- ---- ----		
						I	1370j	....	....	....	---x --x- x--- ---- ----		
						I	1390j	....	....	....	---x --x- x--- ---- ----		
						I	1430j	....	....	....	---x --x- x--- ---- ----		
						I	1450j	....	....	....	---x --x- x--- ---- ----		
						I	1469?	....	....	....	---- --x- x--- ---- ----		
						I	1470j	....	....	....	---x --x- x--- ---- ----		
						I	1471?	....	....	....	---- --x- x--- ---- ----		
						I	1490j	....	....	....	---x --x- x--- ---- ----		
						I	1500?	....	....	....	---- --x- x--- ---- ----		
						I	1509?	....	....	....	---- --x- x--- ---- ----		
						I	1510j	....	....	....	---x --x- x--- ---- ----		
						I	1521?	....	....	....	---- --x- x--- ---- ----		
						I	1530j	....	....	....	---x --x- x--- ---- ----		
							1598	1107	....	....	---- --x- x--- ---- --?-	3?	-/8
(Vatnajökull, possibly Grímsvötn)						@	1603	1031	@1603	11	---- --x- x--- ---- --?-	2	
						I	1610?	....	....	....	---- --x- x--- ---- ----		
							1619	0729	....	....	---- --x- x--- ---- --?-	2	
						I	1622?	....	....	....	---- --x- x--- ---- ----		
							1629	....	....	....	---- --x- x--- ---- x-J-	2	
						I	1632?	....	....	....	---- --x- x--- ---- ----		
							1638	0224d	....	....	---- --x- x--- ---- --?-	2	
							1659	11	....	....	---- --x- x--- ---- --?-	2	
							1665	....	....	....	---- --x- x--- ---- ----		
(Vatnajökull)						@	1681	0410	....	....	---- --x- ---- ---- ----		
							1684	1105d	1685	01	---- --x- x--- ---- xxJ-	2	
							1697	....	....	....	---- --x- x--- ---- ----		
							1706	1015q	....	....	---- --x- x--- ---- --?-	2	
							1716	1006	....	....	---- --x- x--- ---- --?-	2	
							1725	02	....	....	---- --x- x--- ---- --J-	2	
							1730	....	....	....	---- --x- x--- ---- ----		
NE of Palsfjall							1753	1015q	....	....	---- --x- x--- ---- -xJ-	2?	
(Vatnajökull)						@	1768	....	....	....	---- --x- x--- ---- ----	2	
							1774	02	....	....	---- --x- x--- ---- --J-	2	
Lakagigar (Skaftar) and Grímsvötn							1783	05 ?	1785	0526?	---x --x- x--- x--- xxJ-	4+	10/8
(W-Vatnajökull)						?	*1794*	*0715q*	....	....	---- --?- ---- ---- ----		
(jökulhlaup, probably no eruption)						X	*1796*	*06*	....	....	---- ---- ---- ---- --J-		
							1816	05	1816	06 ?	---- --x- x--- ---- ----	2	
Grímsvötn-Thordarhyrna							1823	0204d	....	....	---- --x- x--- ---- ----	2	
							1838	06	....	....	---- --x- ---- ---- --J-	2	
							1854	....	....	....	---- --x- x--- ---- ----	2	
						?	*1861*	*05*	....	....	---- --?- ?--- ---- -xJ-	*2*	
							1867	0829	....	....	---- --x- x--- ---- --J-	1	
							1873	0108	1873	08	---- --x- x--- ---- --J-	4	-/8
							1883	0115	1883	0415e	---- --x- x--- ---- --J-	2	
Thordarhyrna							1887	0815	1889	....	---- --x- x--- ---- --J-	2	
							1891	11 ?	1892	0316	---- --x- x--- ---- --J-	2	
						@	1897	....	....	....	---- --x- x--- ---- ----	2	
Grímsvötn and Thordarhyrna							1902	12	1904	0112	---- --x- x--- ---- --J-	4*	8/-
							1910	....	....	....	---- --x- x--- ---- ----		
						@	1919	....	....	....	---- --x- x--- ---- ----	2?	
							1922	0929	1922	1023	---- --x- x--- ---- --J-	2	
North of Grímsvötn caldera							1933	1129a	1933	1209a	---x --x- x--- ---- ----	1	
Near south caldera wall							1934	0330	1934	0407	x--- --x- x--- ---- --J-	2	
Vatnajökull						@	1934	1221	@1934	1226	---- --x- ---- ---- ----		
8 km north of Svartibunki							1938	05	....	....	---- --x- x--- ---- --J-	1	
						?	*1939*	*06*	....	....	---- --?- ---- ---- --J-	*0*	
						?	*1941*	*04*	*?1941*	*08*	---- --?- ---- ---- --J-	*0*	
						?	*1945*	*0925?*	....	....	---- --?- ?--- ---- --J-	*1?*	
						?	*1948*	*02*	....	....	---- --?- ---- ---- --J-	*0*	
							1954	0115q	....	....	---- ---- x-x- ---- ----	1	
North and south part of caldera						?	*1954*	*07*	....	....	x--- --?- --?- ---- --J-	*1?*	
						?	*1972*	*03*	*?1972*	*04*	x--- --?? ---- ---- --J-	*0*	
Near south caldera wall							1983	0528	1983	0602	x--- --xx x--- ---- ----	2	
						?	*1984*	*0820<*	....	....	x--- --?- ---- ---- ----	*0*	
Gjálp (fissure N of caldera rim)							1996	0930	1996	1106	x--x --xx x-x- x--- -xJ-	3?	8/-
South caldera wall							1998	1218	1998	1228	x--- --xx xx-- ---- ----	3	
SW and east sides of caldera							2004	1101	2004	1104	x--x --xx x--- ---- --J-	3	
Bárdarbunga (Iceland-NE)	**64.63 N**	**17.53 W**	**2009**	0004	**BR**	**Stratovolcano**		**1703-03=**	**Historical**				
Trolladyngja (Bardarhalshraun)						T	-7100?	....	....	....	---x ---- ---- x--- ----		9/-
Veidivötn (Haahraun, Botnahraun)						T	-7050*	....	....	....	---x ---- ---- x--- ----		
Veidivötn (Thjorsarhraun)						G	-6650t	....	....	....	---x ---- ---- x--- ----		10/-
Trolladyngja						T	-5000?	....	....	....	x--- ---- ---- xx-- ----		10/-
Veidvötn (Tungnaárhraun THc)						T	-4800?	....	....	....	---x ---- ---- x--- ----		9/-
Veidvötn (Tungnaárhraun THd)						T	-4600?	....	....	....	---x ---- ---- x--- ----		9/-
Veidivötn (Sigolduhraun, Kalfahraun)						T	-4550?	....	....	....	---x ---- ---- x--- ----		
Veidvötn (Tungnaárhraun THe)						T	-4400?	....	....	....	---x ---- ---- x--- ----		9/-
Veidvötn (Sigolduhraun THf)						T	-4200?	....	....	....	---x ---- ---- x--- ----		9/-
Veidivötn (Burfellshraun, Drekahraun)						T	-1200?	....	....	....	---x ---- ---- x--- ----		9/-
Veidivötn (Tjorvahraun)						T	0150v	....	....	....	---x ---- x--- x--- ----	2?	8/-
Vatnaöldur						T	0870?	....	....	....	---x ---- xxx- x--- ----	4	7/9
						T	0880?	....	....	....	---- --x- x--- ---- ----		
						T	0940?	....	....	....	---- --x- ---- ---- ----		
						T	1080?	....	....	....	---- --x- ---- ---- ----		
							1159?	....	....	....	---- --x- ---- ---- ----		
						I	1210j	....	....	....	---x --x- x--- ---- ----		
Frambuni						T	1250t	....	....	....	---- ---- x--- x--- ----	1	9/5
						I	1270j	....	....	....	---x --x- x--- ---- ----		
						I	1290j	....	....	....	---x --x- x--- ---- ----		

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Bárdarbunga (Iceland-NE) *continued*								I	1350j	....	....	....	---x --x- x--- ---- ----		
								T	1410?	....	....	....	---- --x- ---- ---- ----		
		Veidivötn (Veidivatnahraun)							1477	02 ?	....	....	---x --x- xxx- x--- -x--	6	9/10
								I	1697	....	....	....	---x --x- x--- ---- --J-	2	
		Dyngjuhals ?						@	1702	....	....	....	---? --x- x--- ---- --?-	2	
									1706	....	....	....	---- --x- x--- ---- ----	2	
									1707	....	....	....	---- --x- x--- ---- ----	2	
		(Bárdarbunga, not Kverkfjöll)							1712	0115q	....	....	---- --x- x--- ---- -xJ-	2	
		(Bárdarbunga, not Kverkfjöll)							1716	1005d	....	....	---- --x- x--- ---- -xJ-	2	
		(Bárdarbunga, not Kverkfjöll)							1717	0804	1717	0917>	---- --x- x--- ---- -xJ-	3?	
								I	1720	....	....	....	---x --x- x--- ---- ----	2	
		Dyngjujökull, Dyngjuhal ?							1726	0201p	1726	0501p	---- --x- ---- ---- -xJ-	1?	
		Dyngjuhals ?						@	1729	....	....	....	---? --x- x--- ---- -xJ-	1	
								I	1739	....	....	....	---x --x- x--- ---- ----	2	
								I	1750j	....	....	....	---x --x- x--- ---- ----		
									1766	07	....	....	---- --x- x--- ---- --J-	2	
		(Bárdarbunga, or Grímsvötn)						@	1769	....	....	....	---- --x- x--- ---- ----	2	
									1794	....	....	....	---- --x- x--- ---- ----		
								@	1797	....	....	....	---- ---- ---- ---- ----		
		NW-Vatnajökull						?	*1807*	....	....	....	---- --?- ---- ---- ----		
		Trollagigar							1862	0630	1864	1015q	---x ---- x--- x--- ----	2	8/5
		Dyngjuhals ?						@	1872?	....	....	....	---? --?- ---- ---- ----		
		Dyngjuhals ?						@	1902	12	@1903	06	---? --x- ---- ---- --J-	2?	
		Loki-Fögrufjöll (East Loki cauldron)							1910	0618	1910	10	---x --x- x--- ---- ----	2	
		Loki-Fögrufjöll (East Loki cauldron)						?	*1986*	*1129*	?*1986*	*1201*?	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (East Loki cauldron)						?	*1991*	*0812*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (East Loki cauldron)						?	*1995*	*07*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (West Loki cauldron)						?	*1996*	*08*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (East Loki cauldron)						?	*1997*	*08*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (W and E Loki cauldron)						?	*2000*	*08*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (W and E Loki cauldron)						?	*2002*	*07*	?*2002*	*09*	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (West Loki cauldron)						?	*2005*	*07*	?*2005*	*08*	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (East Loki cauldron)						?	*2006*	*04*	....	....	---? --?- ---- ---- --J-	*0*	
		Loki-Fögrufjöll (West Loki cauldron)						?	*2008*	*08*	....	....	---? --?- ---- ---- --J-	*0*	
Tungnafellsjökull (Iceland-NE)	64.73	N 17.92 W 1535	0003				BR	**Stratovolcano**		**1703-04= Holocene**					
Kverkfjöll (Iceland-NE)	64.65	N 16.72 W 1929	0004				BR	**Stratovolcano**		**1703-05= Historical**					
		Arnadalsoldugjoska						T	-7050?	....	....	....	---x ---- ?--- ---- ----		
		Krepputunguhraun, Kverfjallahraun						T	-5000*	....	....	....	---x ---- ---- x--- ----		9/-
									1655	0415q	....	....	---- --x- ---- ---- --J-	0	
									1729	0215q	....	....	---- --x- ---- ---- --J-	1	
									1729	08	....	....	---- --x- ---- ---- --J-	1	
		Hveradalur area							1929	01	1929	02	---- ---- x--- ---- ----	1	
									1959	....	....	....	---- --x- ---- ---- ----		
									1968	0523	1968	06	---- --x- ---- ---- ----		
Askja (Iceland-NE)	65.03	N 16.75 W 1516	0005				Br	**Stratovolcano**		**1703-06= Historical**					
		SE part of Askja caldera						G	-8910x	....	....	....	x--- ---x xx-x ---- ----	5	-/9
		Flatadyngja, other areas NE of Dyngjufjöll						T	-2050z	....	....	....	x--x ---- ---- xx-- ----	0	9/-
		Litladyngja and Askja						T	-1250y	....	....	....	x--x ---- ---- xx-- ----	0	9/-
		South of Dyngjufjöll Ytri						T	1300?	....	....	....	---x ---- --x- x--- ----	1	
		Holuhraun							1797?	....	....	....	---x ---- ---- x--- ----	0	
		Öskjuvatn Caldera, Viti, Sveinagja							1875	0101	1875	1017	x--x ---- xxxx x--- -x--	5*	8/9
		Dyngjufjöll							1919	....	....	....	---- ---- x--- ---- ----	2	
		NE caldera wall, 0.6 km SE of Viti							1921	03	....	....	--x- ---- ---- x--- ----	0	
		1 km SW of Öskjuvatn Caldera							1922	11	....	....	---- ---- ---- x--- ----	0	
		SE corner of Öskjuvatn Caldera							1923	0115q	....	....	---x ---- ---- x--- ----	0	
		South flank of Dyngjufjöll massif							1924?	....	....	....	---x ---- ---- x--- ----	0?	8/-
		South end of Öskjuvatn lake							1926	0715q	....	....	x--- -x-x x--- x--- ----	2?	-/7
		South shore of Öskjuvatn lake							1938	1219?	....	....	x--- ---- x--- x--- ----	2	
		North of Öskjuvatn lake (Vikraborgir)							1961	1026	1961	1205d	--x- ---- x--- xx-- ----	2	8/6
Fremrinamur (Iceland-NE)	65.43	N 16.65 W 939	0035				BR	**Stratovolcano**		**1703-07= Tephrochronology**					
		Sveinar (Rauduborgir) fissure						T	-4050*	....	....	....	---x ---- x--- x--- ----		9/-
		Kerlingardyngja						T	-4000?	....	....	....	x--- ---- ---- xx-- ----	0	9/-
		Ketildyngja						T	-2300?	....	....	....	x--- ---- ---- xx-- ----	0	9/-
		Kraeduborgir (Burfellshraun)						T	-1200?	....	....	....	---x ---- ---- x--- ----		9/-
		(no 1823 eruption at Lierhafnarskord)						X	*1823*	....	....	....	---- ---- ---- ---- ----		
Krafla (Iceland-NE)	65.73	N 16.78 W 818	3345				BRAD	**Caldera**		**1703-08= Historical**					
		Gjastykkisbunga						T	-8500?	....	....	....	x--- ---- ---- xx-- ----	0	9/-
		Ludent, Namafjall-Krofluhals						T	-7850?	....	....	....	x--x ---- x-x- x--- ----		9/-
		Heidarspordur						T	-7400y	....	....	....	---x ---- ---- x--- ----	0	
		Hraunbunga						T	-6950?	....	....	....	x--- ---- ---- x--- ----	0	
		Bondholshraun, Hveragil						T	-6850?	....	....	....	x--- ---- x--- x--- ----	2?	
		Hveragil						T	-6800?	....	....	....	x--- ---- x--- ---- ----	2?	
		Krofluhalshraun						T	-6500?	....	....	....	---x ---- ---- x--- ----		9/-
		Drangagrundahraun						T	-6150?	....	....	....	---x ---- ---- x--- ----	0	
		Fjarborg						T	-5750?	....	....	....	---x ---- ---- x--- ----	0	
		Ludent crater rows						T	-4050?	....	....	....	---x ---- ---- x--- ----	0	
		Hvannstod						C	-3050?	....	....	....	---x ---- ---- x--- ----	0	
		Hverfjall, Jarbadsholar						T	-0650?	....	....	....	x--- ---- x-x- x--- ----	4	-/8
		North of Hverfjall						T	-0500y	....	....	....	---x ---- ---- x--- ----	0	
		Threngslaborgir-Ludentsborgir crater row						G	-0300?	....	....	....	---x ---- x--- x--- ----	2	9/-
		Holseldar						T	-0050?	....	....	....	---x ---- x--- x--- ----	2	
		Kerlingarholar						T	0250y	....	....	....	---x ---- ---- x--- ----	0	
		Daleldar, Svortuborgir						T	0850?	....	....	....	---x ---- ---- x--- ----	0	7/-
		Crater south of Viti						T	1300x	....	....	....	x--- ---- x--- ---- ----	2?	
		Viti (1.5 km east of Leirhnjukur)							1724	0517	1724	0518	---x ---- x--- ---- ----	2	-/6
		(solfataric activity, no eruption)						X	*1725*	*0111*	....	....	---- ---- ---- ---- ----		
		North end of Leirhnjukur							1727	0821	....	....	---x ---- ---- x--- ----	2	
		Leirhnjukur, Hrossadalur, Bjarnarflag							1728	0418	....	....	---x ---- ---- x--- ----	2	
		Leirhnjukur crater row							1728	1218	....	....	---x ---- ---- x--- ----	2	8/-
		Leirhnjukur crater row							1729	0630	1729	0925e	---x ---- ---- x--- -x--	2	
		Leirhnjukur crater row							1746	0710	1746	0710?	---x ---- x--- ---- ----	1	
		1.5-2.5 km north of Leirhnjukur							1975	1220	1975	1220	---x ---- ---- x--- ----	0	5/-
		3 km north of Leirhnjukur							1977	0427	1977	0908	---x ---- x-x- x--- -x--	1	6/1

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5 km	POPL 10	POPL 30	POPL 100	ROCK TYPE	VOLC TYPE	NUMBER	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Krafla (Iceland-NE) *continued*		Leirhnjúkur to 11 km north									1980	0316	1980	1023	---x ---- --x- x--- ----	0*	7/-
		6-8 km north of Leirhnjúkur									1981	0130	1981	0204	---x ---- ---- x--- ----	0	7/-
		Leirhnjúkur to 9 km north									1981	1118	1981	1123	---x ---- ---- x--- ----	0	7/-
		Leirhnjúkur to 8.5 km north									1984	0904	1984	0918	---x ---- ---- x--- ----	0	8/-
Theistareykjarbunga (Iceland-NE)	65.88	N 16.83 W	564	0245	B				**Shield volcano**		1703-09=		**Tephrochronology**				
		Theistareykjabunga shield volcano								T	-9500?	....	....	....	x--- ---- ---- xx-- ----	0	10/-
		Borgarhraun and other flows								T	-6800?	....	....	....	---x ---- ---- x--- ----	0	
		Storihver (Theistareykjahraun)								T	-0900v	....	....	....	---x ---- ---- x--- ----	0	
Tjörnes Fracture Zone (Iceland-N)	66.30	N 17.10 W	0035		B				**Submarine volc**		1703-10=		**Historical**				
		Immediately north of Manareyjar Island									1867	12	1868	01	---- x--- ---- ---- ----		
ICELAND - SE																	
Öraefajökull (Iceland-SE)	64.00	N 16.65 W	2119	0134	BRt				**Stratovolcano**		1704-01=		**Historical**				
											1362	0605d	1362	1015q	x--- ---x xx-- --?- xxJ-	5	-/9
		Caldera, west flank (to 1100 m)									1727	0803	1728	0501p	x--x ---x x--- ---- xxJ-	4	-/8
Esjufjöll (Iceland-SE)	64.27	N 16.65 W	1760	0004	Br				**Stratovolcano**		1704-02=		Uncertain				
											? *1927*	*0905d*	....	....	?--- ---- ?--- ---- x-J-	*1?*	
ICELAND - N OF																	
Kolbeinsey Ridge (Iceland-N of)	66.67	N 18.50 W	5	0034	B				**Submarine volc**		1705-01=		**Historical**				
		NW of Grimsey Island									1372	....	....	....	---- xx-- ---- ---- ----	2?	
		(eruption north of Iceland)								@	1755	0918	....	....	---- ?--- x--- ---- ----		
		(no 1783 eruption north of Iceland)								X	*1783*	....	....	....	---- ---- ---- ---- ----		
		(no 1838 eruption near Siglufjördur)								X	*1838*	*0611?*	....	....	---- ---- ---- ---- ----		
ARCTIC OCEAN																	
Jan Mayen (Atlantic-N-Jan Mayen)	71.08	N 8.17 W	2277	0000	BXT				**Stratovolcano**		1706-01=		**Historical**				
		Beerenberg (Eggoya, SW flank)								T	1350v	....	....	....	-x-- xx-- x-x- ---- ----		
		Beerenberg								?	*1558<*	....	....	....	---- ---- ---- ---- ----		
		Beerenberg (Dagnyhaugen, SW flank)									1732	0517	1732	0518	-x-- ---- x--- x--- ----	3	
		Beerenberg (Dagnyhaugen, SW flank)									1818	04	....	....	-x-- ---- x--- x--- ----	3?	
		Beerenberg (Koksslетta, NE flank)									1851	r	....	....	-x-- ---- ---- x--- ----		
		Beerenberg (NE & SW flanks, summit)									1970	0918	1972?	....	xx-x --x- x-x- x--- --J-	3	8/7
		Beerenberg (NE flank, Skrukkelia)									1973	0115q	....	....	-x-- ---- x--- ---- ----	1	
		Beerenberg (NE flank, 0-200 m)									1985	0106	1985	0109	-x-x ---- x--- x--- ----	0	6/6
Unnamed (Lomonosov Ridge)	88.27	N 65.60 W	-1500		U				**Submarine volc ?**		1707-01-		Uncertain				
										?	*1475q*	....	....	....	---- ?--- ?--- ---- ----	*0*	
										?	*1725q*	....	....	....	---- ?--- ?--- ---- ----	*0*	
										?	*1957*	*1121*	*?1957*	*1124*	---- ?--- ---- ---- ----	*0*	
Unnamed (East Gakkel Ridge)	85.58	N 85.00 E	-3800	0000	U				**Submarine volc**		1707-02-		**Holocene**				
		East Gakkel Ridge								?	*1999*	*01 ?*	*?1999*	*09 ?*	---- ?--- ---- ?--- ----	*0*	

Freysteinn Sigmundsson (Nordic Volc. Center)

An ash plume rises from a new crater near the southern margin of Grimsvotn caldera in November 2004. Grimsvotn, Iceland's most frequently active volcano in historical time, lies largely beneath the vast Vatnajokull icecap. The 6 x 8 km wide caldera is the source of frequent jokulhlaups (glacier outburst floods) produced when melting raises the water level high enough to lift its ice dam.

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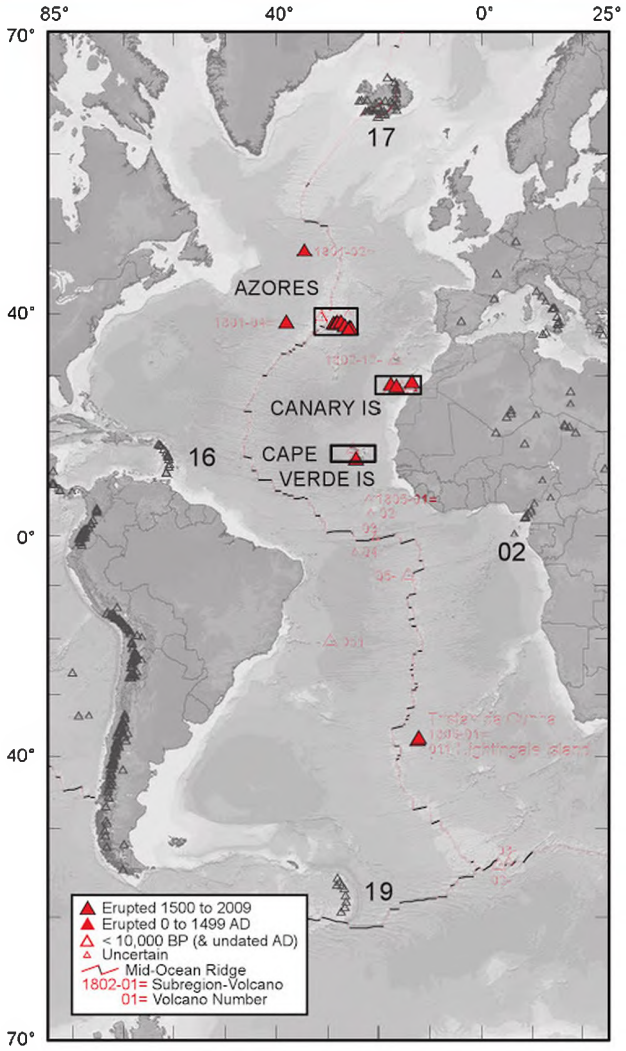
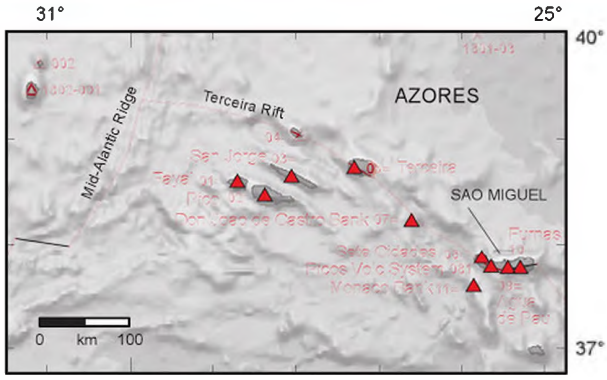
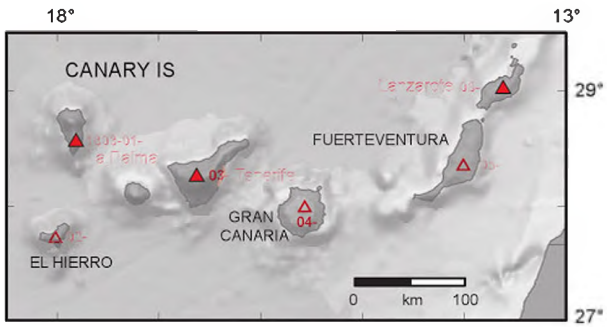
Atlantic Ocean (18)







Despite the large size of this region, only 155 eruptions are known–only Antarctica has less–but its historical record is relatively long. The largest island group, the Canaries, is reached by favorable winds from Europe and was an important base for early voyages to the new world. In fact, Christopher Columbus recorded a 1492 eruption on Tenerife, just 7 weeks before that same logbook carried documentation of a more historic observation. The Azores were also well placed for sailors because of the predominant westerly winds used for return routes to Europe.

The Canaries were mentioned by Pliny around 40 AD, and were often rediscovered in the following centuries. They were claimed by Portugal in 1341, the year of the region's first historical eruption (a somewhat questionable report of activity somewhere on Tenerife), but were awarded to Spain by the Pope 3 years later. They were settled in 1402 and conquest of the indigenous Guanches population was complete by 1496. The Canaries now have the largest population (1.6 million) in the region and, as part of Spain, claim Pico de Teide as that nation's highest point.

A discovery date for the Azores is uncertain, but they appear on a map from 1351 AD. The Portuguese visited in 1427-31 and colonization began in 1445, a year after the first historical eruption. The 9 islands now support about 250,000 people, half of them on the island of Sao Miguel.

The Cape Verde islands were discovered by Portugal in 1456 and settled 6 years later. An eruption beginning in 1500 appears to have continued for about 260 years, with behavior similar to that of Italy's Stromboli. The islands were an important point in the trans-shipment of slaves until the 18th century. Independence from Portugal came in 1975.

Tristan da Cunha was discovered by the Portuguese in 1506 and the islands were much visited by whalers and sealers. They were first inhabited by St. Helenans in the 19th century and annexed by Britain in 1816. An eruption in 1961 broke out at the only inhabited area on the island, forcing residents to evacuate, but most elected to return within two years and the 1970 population was estimated at 280. In 2004 submarine eruptive activity was recorded near Nightingale Island at the southern end of the Tristan da Cunha island group. No previous Holocene activity was known from Nightingale Island, but an earthquake swarm lasting 6 hours beginning on July 29, 2004 was followed by observation of large blocks of floating phonolitic pumice that washed up on Tristan da Cunha. The event was considered to have originated from an eruption associated with an earthquake swarm 37-53 km SSE of Tristan da Cunha on the submarine SE flank of Nightingale Island. Aside from other submarine activity (most of it uncertain) the only other dated eruption in the South Atlantic region is from Norway's Bouvet Island, the most remote in the world. It was discovered in 1739, but it's only known eruption was 2000 years ago (by magnetic dating).

Volcanism in the region is largely caused by hotspots in oceanic crust, and the region has the highest proportion of fissure vent volcanoes (as primary features). Several known volcanoes lie along or near the Mid-Atlantic Ridge that separates the Eurasian and African

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plates from the North and South American plates, but the Canaries and Cape Verdes lie just west of the African continental margin. This region has been relatively quiet, with only 14 eruptions confirmed since 1900, including the two mentioned above in the Tristan da Cunha island group. No eruptions have occurred in the Canaries following small eruptions on La Palma in 1949 and 1971. The only confirmed eruption in the Azores since a 1907 submarine eruption at Monaco Bank took place along a fissure west of Terceira Island in 1998, when floating and steaming lava blocks were observed. Fogo volcano in the Cape Verde Islands erupted in 1951, but was quiet until 1995, when a new cinder cone produced lava flows that buried a village and croplands on the caldera floor.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL 5 km / 10 / 30 / 100	ROCK TYPE	VOLC TYPE	NUMBER	STATUS — Start — Year M-Dy	— Stop — Year M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / Nev of Island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
ATLANTIC OCEAN - N												
Unnamed (Atlantic-N)	66.00	N° 27.75 W -108					1801-01=	Not a Volcano				
(incorrect eruption report)						X 1332		....	....	---- ---- ---- ---- ---- ---- ---- ---- ---- ----		
(incorrect eruption report)						X 1456		....	....	---- ---- ---- ---- ---- ---- ---- ---- ---- ----		
(incorrect eruption report)						X 1783		....	....	---- ---- ---- ---- ---- ---- ---- ---- ---- ----		
Unnamed (Atlantic-N)	49.00	N 34.50 W -1650	0000		U	Submarine volc	1801-02=	Historical				
							1884	1229	....	---- x--- ---- ---- ---- ----	0	
Unnamed (Atlantic-N)	39.95	N 25.83 W -2835	0000		U	Submarine volc	1801-03=	Uncertain				
							? 1856	1125	?1856 1125	---- x--- ---- ---- ---- ----	0	
Unnamed (Atlantic-N)	38.75	N 38.08 W -4200	0000		U	Submarine volc	1801-04=	Historical				
							1865	0709	....	---- x--- ---- ---- ---- ----	0	
AZORES												
Flores (Azores)	39.462	N 31.216 W 914	4444		BXYTz	Stratovolcanoes	1802-001	Radiocarbon				
Caldeira Funda de Lajes						C-1200v	....	....	x--- ---- x--- x--- ----			
Caldeira Comprida						C-0950v	....	....	x--- ---- x--- x--- ----			
Corvo (Azores)	39.699	N 31.111 W 718	3344		BA	Stratovolcano	1802-002	Holocene				
Fayal (Azores)	38.60	N 28.73 W 1043	4555		ABXTY	Stratovolcano	1802-01=	Historical				
West flank							1672	0424	1673 0228	-x-- ---- x--- x--- xx--	2	
West flank (Capelinhos) and summit							1957	0927	1958 1024	xxx- xx-- xxx- x--- -x--	2	7/7
Pico (Azores)	38.47	N 28.40 W 2351	3455		BXy	Stratovolcano	1802-02=	Historical				
East flank (800 m)							1562	0921?	1564?	-x-- ---- x--- x--- -x--	2	
SE flank (200 m), NW flank (1200 m)							1718	0201	1718 1215e	-x-- ?--- x--- x--- xx--	2	
SE flank (400 m)							1720	0710	1720 12 ?	-x-- ---- x--- x--- -x--	2	
Off NW coast						?	1963	1215<	....	---- x--- ---- ---- ----	0	
San Jorge (Azores)	38.65	N 28.08 W 1053	4455		BAt	Fissure vent	1802-03=	Historical				
Sao Jorge (SW side)							1580	0501	1580 0830?	---x ---- xx-- x--- xx--	3?	
Off south coast of Sao Jorge							1757	0709	1757 0710	---- xx-- ---- ---- ----	0	
Subm. vent ca. 20 km SW of Terceira							1800	0624	1800 0625	---- x--- --x- ---- ----	2	
Sao Jorge							1808	0501	1808 0610	---x ---- xx-- x--- xx--	1	
Subm. vent ca. 20 km SW of Terceira							1902	0507	1902 0508	---- x--- ---- ---- -x--	0	
							1907	....	....	---- ?--- ---- ---- ----	0	
Off SW coast						?	1964	0218	....	---- ?--- ---- ---- ----	0	
Graciosa (Azores)	39.02	N 27.97 W 402	4445		BAT	Stratovolcano	1802-04=	Holocene				
Terceira (Azores)	38.73	N 27.32 W 1023	4555		BTXyr	Stratovolcanoes	1802-05=	Historical				
Guilherme Moniz (Pico das Pardelas)						C-6720t	....	....	x--- ---- xx-- ---- ----			
Fissure zone (east of Santa Barbara)						C-2530s	....	....	---x ---- x--- x--- ----			
Santa Barbara NW flank (Lagoinha dome)						C-0940t	....	....	-x-- ---- xx-- --x- ----			
Guilherme Moniz (Biscoito Rachado deposit)						C-0670y	....	....	x--- ---- xx-- ---- ----			
Fissure zone (east of Santa Barbara)						C-0090v	....	....	---x ---- x--- ---- ----			
Fissure zone (south of Pico Alto)						C-0060?	....	....	---x ---- x--- x--- ----			8/-
Fissure zone (east of Santa Barbara)						C 0070s	....	....	---x ---- ---- x--- ----			
Guilherme Moniz (Pico Alto)						C 0190s	....	....	x--- ---- ---- x--- ----			
Santa Barbara						C 0820s	....	....	?--- ---- ?--- ---- ----			
Guilherme Moniz (Quinta da Madalena)						C 0920t	....	....	x--- ---- ?--- ---- ----			
Guilherme Moniz (Pico Alto)						T 1200y	....	....	x--- ---- ---- --?- ----			
Farol I dome (Santa Barbara)						T 1400t	....	....	-x-- ---- ---- --?- ----			
Fissure zone (east of Santa Barbara)							1761	0417	1761 0428?	---x ---- x--- x--- -x--	2	
Submarine vent 3-6 WNW of Terceira							1867	0601	1867 0608	---x x--- x--- ---- ----	3	
Serreta Ridge (submarine vent W of Terceira)							1998	1125?	2000 03 ?	---x x--- ---- x--- ----	0	
Don Joao de Castro Bank (Azores)	38.23	N 26.63 W -13	0006		B	Submarine volc	1802-07=	Historical				
							1720	1208?	1720 1226e	x--- xx-- x--- ---- ----	3	
NW of Don Joao de Castro Bank						?	1997	0627	?1997 07 ?	-x-- ?--- ---- ---- ----	0	
Sete Cidades (Azores)	37.87	N 25.78 W 856	4566		TXBY	Stratovolcano	1802-08=	Historical				
Seara Cerrado da Ladeira						T-3050?	....	....	x--- ---x x--- ---- ----		4	-/8
Caldeira do Alfreres and NW flank						T-2050*	....	....	xx-- xx-- x--- ---- ----			
SE flank (Eguas)						C-0750y	....	....	-x-- ---- x--- x--- ----			
SE caldera floor (Lagoa de Santiago)						C 0090v	....	....	x--- ---- xx-- ---- ----		4	-/8
SE caldera floor (Lagoa Rasa)						T 0380y	....	....	x--- ---- x--- ---- --x-		4	-/8
SE flank (Carvao)						C 0670w	....	....	-xx- ---- x--- x--- ----		3	7/7
SE flank (Ferraria)						C 0950v	....	....	-x-- ---- x--- x--- ----		2	7/6
West flank (Ponta de Ferraria)						C 1110t	....	....	-x-- ---- x--- x--- ----		2	7/6
SW side of caldera (Caldeira Seca)							1444?	....	....	x--- ---x x--- ?--- --x-	4	-/8
Submarine vent west of Sete Cidades							1638	0703	1638 0728	---x xx-- x--- ---- ----	2	
Submarine vent west of Sete Cidades							1682	1213	....	---x x--- x--- ---- ----	2	
West flank (Pico das Camarinhas)							1713	....	....	-x-- ?--- x--- x--- ----	2	7/6
Submarine vent west of Sete Cidades							1811	0201	1811 0208	---x x--- x--- ---- ----	2?	
Submarine vent west of Sete Cidades							1811	0614	1811 0622	---x xx-- x--- ---- ----	3	
Submarine vent off Sao Miguel						@	1861	....	....	---- x--- ---- ---- ----	0	
Submarine vent off Sao Miguel						@	1880	....	....	---- x--- ---- ---- ----	0	
Picos Volc System (Azores)	37.78	N° 25.67 W 350	6666		Xt	Pyroclastic cones	1802-081	Historical				
							C-4040?	....	....	---- ---- ---- ?--- ----		
North-central part (Aflitos)						C-0850v	....	....	---- ---- x--- x--- ----			
North-central part (Furna)						C-0510x	....	....	---- ---- x--- x--- ----			
East-central part (Caldeirao)						C 0600v	....	....	---- ---- x--- x--- ----			
East-central part (Cruz)						C 0850w	....	....	---- ---- xx-- x--- ----			
Eastern part (Mata des Feiticeiras)						C 0940v	....	....	---- ---- x--- x--- ----			
Eastern part (SW of Fogo 1 cone)							1652	1019	1652 1026	x--- ---- x--- x--- ----	2	6/6

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 100	ROCK TYPE	VOLC TYPE	NUMBER Start Year	Start M-Dy	Stop Year	Stop M-Dy	STATUS	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Fissure / Regional / Submarine / Subglacial / Subaerial / Crater lake / Explosive / Effusive / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Agua de Pau (Azores)	37.77 N	25.47 W	947	3566	TXBY	**Stratovolcano**	1802-09=				**Historical**			
— West flank (Pico Joao Fernandes)							C-6750x					-x-- ---- x--- x--- ----		
— SW flank (449 m)							C-4550v					-x-- ---- x--- x--- ----		
— Lagoa do Fogo caldera and north flank							C-2990?					xx-- ---- xx-- x--- --x-	5	-/9
— East flank (East Congo maar)							C-2210w					-x-- ---- xx-- ---- ----		
— East flank (Lagoa do Congro)							C-1850z					-x-- ---- xx-- --x- ----	3	6/7
— Lagoa do Fogo caldera							C-1290?					x--- ---- x--- ---- ----	4	-/8
— NW flank (251 m)							C 0160w					-x-- ---- x--- x--- ----		
— WNW flank (Mos)							C 0700w					-x-- ---- x--- x--- ----		
— Caldera, NW flank (Cerro Queimado)							1563	0628	1563	0726e		xxx- ---x x--- x--- --x-	5?	6/9
— Lagoa do Fogo caldera							1564	0210	1564	0212		x--- ---- x-?- ?--- ----	2	
Furnas (Azores)	37.77 N	25.32 W	805	4456	TBXY	**Stratovolcano**	1802-10=				**Historical**			
— East rim of caldera (Pico do Canário)							C-4570<					x--- ---- xx-- ---- ----		
— (tephra layer A)							T-1670*					x--- ---- x--- ---- ----		
— (tephra layer B)							C-0360w					x--- ---- x--- ---- ----		
— N floor of younger caldera (tephra layer C)							C 0080v					x--- ---- xx-- ---- --x-	5	-/9
— Center of caldera (Gaspar; tephra F)							C 0840v					x--- ---- xx-- --x- ----	4	7/8
— E caldera floor (Lake crater; tephra G)							C 1170v					x--- ---- x--- ---- ----	4	-/8
— East caldera floor (tephra layer H)							C 1430v					x--- ---- x--- ---- ----	3	-/7
— Center of caldera (Gaspar; tephra layer I)							1441b					x--- ---- xx-- --x- ----	4	-/8
— South end of caldera (Pico da Areia)							1630	0903	1630	1102		x--- ---- xx-- --x- xx--	5	7/9
Monaco Bank (Azores)	37.60 N	25.88 W	-197	0056	U	**Submarine volc**	1802-11=				**Historical**			
—							1907	0401				---? x--- ---- ---- ----	0	
—							1911	0307				---? x--- --?- ---- ----	1	
Madeira (Madeira)	32.73 N	16.97 W	1862	6666	BXYta	**Shield volcano**	1802-12-				**Radiocarbon**			
— Paul da Serra							G-4500t					x--- ---- x--- ---- ----		
CANARY ISLANDS														
La Palma (Canary Is)	28.57 N	17.83 W	2426	3555	XZPBT	**Stratovolcanoes**	1803-01-				**Historical**			
—							K-6050*					---x ---- x--- x--- ----		
—							C-4900t					---x ---- ?--- ---- ----		
— L'Amendrita, Birigoyo							K-4050*					---x ---- x--- x--- ----		
— La Fajana (Volcan Fuego)							C-1320v					---x ---- ---- x--- ----		
— El Fraile							C-0360t					---x ---- x--- ---- ----		
— Nambroque II-Malforada							C 0900v					---x ---- x--- x--- ----		
— Tacande (Montaña Quemada)							1480j					-x-x ---- x--- ---- -x--	2	7/6
— Tahuya							1585	0519	1585	0810		-xxx ---- x--- x--- -x--	2	
— South flank of San Martin (Tigalate)							1646	1002	1646	1221		-x-x ---- x--- x--- -x--	2	7/6
— N & S flanks of San Antonio (Fuentecaliente)							1677	1117	1678	0121		-x-x ---- x--- x--- xx--	2	7/6
— El Charco							1712	1009	1712	1203		--xx ---- x--- x--- -x--	2	7/-
— San Juan, Llano del Banco, Hoyo Negro							1949	0624	1949	0730		-xxx ---- xx-- x--- -x--	2?	7/5
— Teneguia							1971	1026	1971	1118		-xxx ---- x--- x-x- xx--	2	7/-
Hierro (Canary Is)	27.73 N	18.03 W	1500	5555	XBYtf	**Shield volcano**	1803-02-				**Radiocarbon**			
—							C-4790?					---- ---- ---- ---- ----		
— East flank (Soliman)							C-0950w					-x-- ---- x--- x--- ----		
— Montañas Chamuscada-Entremontañas							C-0550u					x--- ---- ---- x--- ----		
—							*? 1677*					---- ---- ---- ---- ----		
—							*? 1692*					---- ---- ---- ---- ----		
— NW rift (Volcan de Lomo Negro)?							*? 1793*	*05*	*?1793*	*06*		-xx- ---- ---- ?--- ----	*0?*	
Tenerife (Canary Is)	28.271N	16.641W	3715	0366	PXZTY	**Stratovolcano**	1803-03-				**Historical**			
— NW rift zone (Montañas Negras)							T-7550?					--x- ---- x--- x--- ----		7/-
— NE flank (Montaña Negra-Los Tornillos)							G-7260x					-x-- ---- ---- x-x- ----		
— NW rift zone (Montaña de Abeque)							T-6850?					--x- ---- x--- x--- ----		
— Teide NNE flank (Montaña del Abrunco)							T-6550?					-x-- ---- x--- x--- ----		
— NW rift zone (Montaña Liferfe)							G-6200u					--x- ---- ---- x--- ----		7/-
— Teide NE flank (Montañas de los Conejos)							T-5750?					-x-- ---- x--- x--- ----		8/-
— Teide N flank (Pico Cabras)							T-5550*					--x- ---- x--- x--- ----		
— Teide E flank (Montaña de los Corrales)							T-5250?					-x-- ---- x--- x--- ----		7/-
— Teide NE flank (Montañas de los Corrales)							T-4650?					--x- ---- x--- x--- ----		
— NW rift zone (Montaña Cueve de Ratón)							G-4200v					--x- ---- ---- x--- ----		7/-
— Teide NE flank (upper Montana Abejera)							G-3960y					-x-- ---- ---- x-x- ----		8/-
— NW rift zone (Montaña del Estrucho)							T-3750?					--x- ---- x--- x--- ----		
— Teide NE flank (lower Montaña Abejera)							G-3540w					-x-- ---- ---- x-x- ----		8/-
— NW rift zone (Montaña Cruz)							T-3450?					--x- ---- x--- x--- ----		7/-
— NW rift zone (Montaña Bilma)							T-3050?					--x- ---- x--- x--- ----		7/-
— Teide SE flank (Montaña de la Cruz)							T-2850?					-x-- ---- x--- x--- ----		8/-
— NW rift zone (Las Montañetas Negras)							T-2650?					--x- ---- x--- x--- ----		5/-
— NW rift zone (Montaña Cruz de Tea)							T-2300?					--x- ---- x--- x--- ----		
— Teide SE flank (Montaña Majua)							T-2250?					--x- ---- x--- x--- ----		7/-
— NW rift zone (Montaña de Chio)							G-1980x					--x- ---- ---- x--- ----		
— NW rift zone (Montaña Botija)							T-1700?					--x- ---- x--- x--- ----		7/-
— Teide SW flank (La Mancha Ruana)							T-1650?					-x-- ---- x--- x--- ----		7/-
— NW rift zone (Montaña Samara)							T-1400?					--x- ---- x--- x--- ----		7/-
— Teide SW flank (Los Gemelos)							T-1150?					-x-- ---- ---- x-x- ----		6/-
— NW rift zone (Montaña de Cascajo)							T-1050?					--x- ---- x--- x--- ----		8/-
— NW rift zone (Volcan el Ciego)							G-0670x					--x- ---- x--- x--- ----		7/-
— NW flank of Teide (El Boquerón)							G-0580x					-x-- ---- x--- ---- ----		7/-
— Teide-Pico Viejo complex							C-0520?					---- ---- ---- x--- ----		
— Montaña Blanca, Pico Viejo							G-0080s					-xx- ---- x--- x-x- ----	4+	7/8
— NW flank of Pico Viejo (Roques Blancos)							G 0030w					-x-- ---- x--- x--- ----		9/-
— Teide-Pico Viejo complex							C 0040?					---- ---- ---- x--- ----		
— NW rift zone (Los Hornitos)							G 0090u					--x- ---- ---- x--- ----		7/-
— NW rift zone (Cuevas Negras)							T 0190?					--x- ---- x--- x--- ----		7/-
— NW flank of Pico Viejo (Roques Blancos)							G 0240w					-x-- ---- ---- x--- ----		
— NE rift zone (Volcan Negro)							T 0700?					--x- ---- x--- x--- ----		6/-
— Pico de Tiede							G 0800w					x--- ---- ---- x--- ----	0	8/-
— NW rift zone (Montaña Reventada)							G 1060v					--x- ---- x--- x-x- ----		8/-
—							*? 1341*					x--- ---- ---- ---- ----		
—							*? 1396c*					x--- ---- ?--- x--- ----		
— Lower Orotava Valley							*? 1430*					-x-- ---- x--- x--- ----	*2*	
— Pico del Teide							*? 1444*					x--- ---- ---- ---- ----		
— NW rift zone (Montaña Boca Cangrejo)							1492	0824<				--x- ---- x--- x--- ----		7/-

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10km 100km	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
		Area of Activity									Caldera Vent Flank Vent Radial fiss Regional / Submarine New Island Subglacial Crater lake / Explosive Pyro Fev Phreatic Caldera / Lava flow Lava lake Dome Spine / Fatal Damage Months Tsunami		
Tenerife (Canary Is) *continued*		NW rift zone (Siete Fuentes, Fasnia, Güimar)					1704	1231	1705	0327	-xx- ---- x--- x--- -x--	2*	7/-
		NW rift zone (Garachico)					1706	0505	1706	0613	--x- ---- x--- x--- -x--	2	7/-
		SW flank of Pico Viejo (Chahorra)					1798	0609	1798	0914?	--x- ---- x--- x--- ----	3	7/-
		NW rift zone (Chinyero)					1909	1118	1909	1127	--x- ---- x--- x--- -x--	2	7/-
Gran Canaria (Canary Is)	28.00 N	15.58 W	1950	4467	XZPTB	**Fissure vents**	1803-04-		**Radiocarbon**				
		Montanon Negro				C-1125t	....	....	....	....	x--- ---- x--- ---- ----		
		Bandama				C-0020u	....	....	....	....	x--- ---- x--- ---- ----		
Fuerteventura (Canary Is)	28.358N	14.02 W	529	4456	BXFY	**Fissure vents**	1803-05-		**Holocene**				
Lanzarote (Canary Is)	29.03 N	13.63 W	670	5566	BXYt	**Fissure vents**	1803-06-		**Historical**				
		Montana de Juan Perdomo				M 0500t	....	....	....	....	-x-x ---- x--- x--- ----		
		Mazo, Santa Catalina, Corazoncillo				M 0700t	....	....	....	....	-x-x ---- x--- x--- ----		
		Montanas del Fuego				1730	0901	1736	0416	-x-x x--- x--- x--- ?x--	3	9/-
		Tao, Nuevo del Fuego, Tinguatón				1824	0731	1824	1024	---x ---- x--- x--- ----	2*	7/-

CAPE VERDE ISLANDS

Fogo (Cape Verde Is)	14.95 N	24.35 W	2829	3556	FXP	**Stratovolcano**	1804-01=		**Historical**				
		Pico				1500	....		1761?	....	xx-- ---- x--- x--- ----	1	
		SW side				1769	04 >		....	....	-x-- ---- x--- ---- ----		
		North caldera floor				1785	0124	1785	0225	?x-- ---- --x- x--- -x--	2	6/-
		North caldera floor				1799	0602	1799	0628	-x-- ---- x--- x--- -x--	2	
						1816	1231y	....	....	---- ---- ---- ---- ----		
		North caldera floor				1847	0409	1847	0502?	-x-- ---- x--- x--- xx--	2	
		NNW caldera floor				1852	0219	1852	0330?	-x-- ---- x--- x--- ----	2	
		SSE caldera floor				1857	0627	1857	1215	-x-- ---- ?--- x--- -x--	2	
						1909	....	....	....	---- ---- ---- ---- ----		
		Northwest and south caldera floor				1951	0612	1951	0821	-x-- ---- x--- x--- -x--	2	7/-
		WSW flank of Pico				1995	0402	1995	0526	x-x- ---- x--- x--- -x--	2	6/-
Brava (Cape Verde Is)	14.85 N	24.72 W	900	4455	FXP	**Stratovolcano**	1804-02-		**Holocene**				
Sao Vicente (Cape Verde Is)	16.85 N	24.97 W	725	5556	BFPXT	**Stratovolcano**	1804-03-		**Holocene**				

ATLANTIC OCEAN - C & S

Unnamed (Atlantic-C)	7.00 N	21.83 W	-1415	0000	U	**Submarine volc ?**	1805-01=		Uncertain				
						? 1824	*0501*	....	....	---- ?--- ---- ---- ----		*0*
Unnamed (Atlantic-C)	4.20 N	21.45 W	-2900	0000	U	**Submarine volc**	1805-02=		Uncertain				
						? 1878	*0129*	....	....	---- ?--- ---- ---- ----		*0*
Unnamed (Atlantic-C)	0.72 S	20.53 W	-1528	0000	U	**Submarine volc**	1805-03=		Uncertain				
		0.38 S, 19.17 W				*? 1761*	*0503*	....	....	---- ?--- ---- ---- ----		*0*
		0.53 S 17.77 W				*? 1816*	*1208*	....	....	---- ?--- ---- ---- ----		*0*
		0.58 S 15.83 W				*? 1836*	*11 <*	....	....	---- ?--- ---- ---- ----		*0*
Unnamed (Atlantic-C)	3.50 S	24.50 W	-5300	0000	U	**Submarine volc**	1805-04=		Uncertain				
						? 1852	*0717*	....	....	---- x--- ---- ---- ----		*0*
Ascension (Atlantic-C)	7.95 S	14.37 W	858	3444	BXYTR	**Stratovolcano**	1805-05-		**Holocene**				
Trindade (Atlantic-C)	20.514 S	29.331 W	600	0000	FPXZT	**Stratovolcano**	1805-051		**Holocene**				
Tristan da Cunha (Atlantic-S)	37.092 S	12.28 W	2060	2222	XBYTp	**Shield volcano**	1806-01=		**Historical**				
		South flank				T 1700t	....	....	....	....	-x-- ---- x--- --x- ----		
		North flank				1961	1010	1962	0315	-x-- ---- x--- x-x- -x--	2	
Nightingale Island (Atlantic-S)	37.42 S	12.48 W	365	0023	TYXP	**Stratovolcano**	1806-011		**Historical**				
		Submarine SE flank				2004	0729	2004	0730	-x-- x--- x--- ---- ----	0	
Bouvet (Atlantic-S)	54.42 S	3.35 E	780	0000	BTRYx	**Shield volcano**	1806-02-		**Magnetism**				
						M-0050?	....	....	....	....	---- ---- ---- x--- ----		
		(landslide deposit, not eruption)				*X 1956*	*0715z*	....	....	---- ---- ---- ---- ----		
Thompson Island (Atlantic-S)	53.93 S	5.50 E		0000	U	**Submarine volc ?**	1806-03-		Uncertain				
						? 1895	*1231y*	....	....	---- ---- ?--- ---- ----		

Dick Moore (USGS)

An eruption plume rises from a vent on the flank of the central cone of Fogo volcano in the Cape Verde Islands in April 1995. The central cone was constructed with the large, 9-km-wide Cha caldera.

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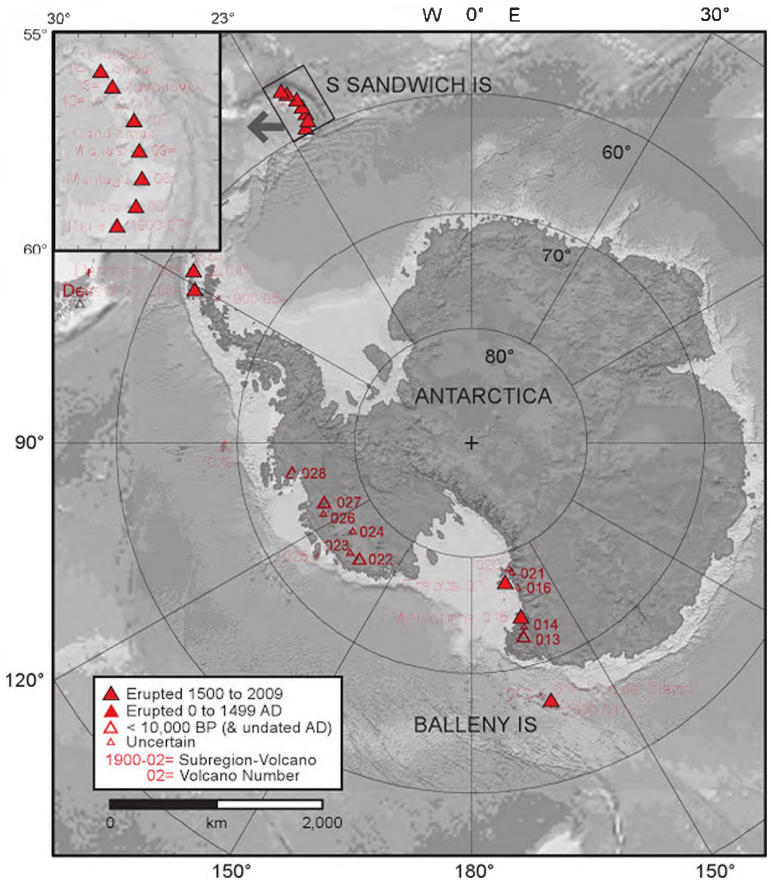
Antarctica & S Sandwich Islands (19)



Antarctica, Earth's southernmost continent, is the largest *CAVW* region in land area and–with no permanent residents–easily the smallest in population. This region also includes the South Sandwich Islands and other island groups adjacent to Antarctica. It is the only region unblemished by a single fatal eruption; more a reflection on its low resident population than on its hazard mitigation efforts.

Although the continent of Antarctica was not discovered until 1840 (by the Wilkes expedition, 12 hours before the French), several nearby island groups now part of region 19 were recognized earlier. The northernmost of these, the South Sandwich Islands or Scotia Arc, was discovered on Captain Cook's 1772-75 voyages, and one of the group–Zavodovsky Island–was issuing a black ash cloud from its summit when discovered by Bellinghausen in 1819. Several other eruptions were reported from these islands in the following years, when fur sealing was at its peak in the region. Sometime between 1825 and 1828, sealers documented an eruption at Deception Island, a natural harbor formed by caldera collapse. And in 1839 an eruption was in progress in the Balleny Islands when they were first discovered by whalers. Two years later, Mount Erebus was erupting when this, the most active volcano in the region, was first sighted.

There followed nearly 60 years of little exploration, although whaling ships continued to work the region through the 19th century. Exploration resumed with a vengeance in 1895, with the next two decades known as the "heroic age" in Antarctica. Additional exploration between the World Wars, during the 1957-58 International Geophysical Year, and since the signing of the Antarctic Treaty in 1961 has contributed greatly to understanding this vast region, but it is clear that its historical record of volcanism is both short and very incomplete.

The Antarctic plate, largely aseismic and immobile, is broken internally by large rift structures which have produced one of the world's largest alkalic volcanic provinces. The 3200-km-long West Antarctic rift system is comparable in size to the better-known East African rift. Volcanic constructs range from large basaltic shields to small monogenetic vents; the presence of the continental icesheet has resulted in a larger volume of hyaloclastite rocks than perhaps any other subaerial volcanic region. The only subduction-related volcanoes within or adjacent to the Antarctic plate form the South Sandwich and South Shetland Islands.

Despite its large size, Antarctica ranks below all other regions in number of dated eruptions, and only the Pacific and Atlantic Ocean regions have fewer historically active volcanoes. The region has produced no known large Holocene eruptions (VEI ≥4 or lava ≥1 km³) with the possible exception of a 0.19-0.31 km³ subglacial tephra deposit from the Hudson Mountains estimated to have been erupted about 200 BC from ice thickness data. Antarctica contains one of the few volcanoes with long-term lava lake activity, which has attracted researchers to this 3794-m-high volcano overlooking the McMurdo Antarctic research station. Antarctica's historical record is brief, and nearly half of its known eruptions are from this century. Precise dating of past eruptions is difficult–much of the landscape is ice-covered, travel is daunting, and the wood needed for radiocarbon dating does not grow in this extreme climate–and the region has the highest proportion of volcanoes with uncertain status. Satellite imagery, however, has helped document recent activity that would otherwise go unnoticed. MODIS thermal alerts from NASA's first Earth Observing System (EOS) satellite 'Terra' have detected 21st century explosive and effusive eruptions on the glacier-covered surface of Montagu Island in the South Sandwich Islands. Antarctic ice sheets have proved a valuable resource for detailed dating of ice cores that contain ash and aerosol layers from both Antarctic and distant tropical and sub-tropical volcanoes and provide critical information regarding the impact of volcanism on global climate patterns during the Holocene.

VOLCANO NAME (Subregion) / ERUPTION — Area of Activity	LAT	LONG	ELEV (m)	POPL	ROCK TYPE	VOLC TYPE	NUMBER	STATUS Start Year	STATUS Start M-Dy	STATUS Stop Year	STATUS Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
ANTARCTICA														
Buckle Island (Balleny Is)	66.78 S	163.25 E	1239	0000	X	**Stratovolcano**	1900-01-	**Historical**						
								1839	0209			x--- ---- x--- ---- ----	2	
								1899	0112			---- ---- x--- ---- ----	2	
Young Island (Balleny Is)	66.42 S	162.47 E	1340	0000	X	**Stratovolcano**	1900-011	**Fumarolic**						
Sturge Island (Balleny Is)	67.40 S	164.83 E	1167	0000	X	**Stratovolcano**	1900-012	Uncertain						
Pleiades, The (Antarctica)	72.67 S	165.50 E	3040	0000	YTZxp	**Stratovolcano**	1900-013	**Potassium-Argon**						
NE of Mount Pleiones (Taygete Cone)						K-1050*						x--- ---- ---- --x- ----		
Unnamed (Antarctica)	73.45 S*	164.58 E	2987	0000	X	**Scoria cones**	1900-014	Holocene?						
Melbourne (Antarctica)	74.35 S	164.70 E	2732	0000	TYBX	**Stratovolcano**	1900-015	**Tephrochronology**						
						T 1750v						x--- ---- x--- ---- ----		
Unnamed (Antarctica)	76.83 S	163.00 E	-500	0000	U	**Submarine volc**	1900-016	Holocene?						

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VOLCANO NAME (Subregion) / ERUPTION	LAT	LONG	ELEV (m)	POPL 5km 10 30 100	ROCK TYPE	VOLC TYPE	Start Year	Start M-Dy	Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS: Central / Flank vent / Radial fiss / Regional / Submarine / New island / Subglacial / Crater lake / Explosive / Pyro flow / Phreatic / Caldera / Lava flow / Lava lake / Dome / Spine / Fatal / Damage / Mudflow / Tsunami	VEI	Vol L/T
Erebus (Antarctica)	77.53 S	167.17 E	3794	0000	PZXty	**Stratovolcano**		1900-02=	**Historical**				
NNW flank (Nausea Knob lava flow)							R	-8050*			-x-- ---- ---- x--- ----	0	
NW flank (Tramway lava flow)							R	-7050*			-x-- ---- ---- x--- ----	0	
NE flank							E	-4550z			-x-- ---- ---- x--- ----	0	
(Lower Ice Tower Ridge, S lava flows)							E	-4050z			-x-- ---- ---- x--- ----	0	
North flank (Lower Hut lava flow)							E	-2950y			-x-- ---- ---- x--- ----	0	
Western Crater (Upper Ice Tower flow)							R	-2050*			-x-- ---- ---- x--- ----	0	
(Northwest lava flow)							R	0950*			---- ---- ---- x--- ----	0	
								1841	0128?	1841	02	x--- ---- x--- ?--- ----	1	
							?	*1900*	*02*			x--- ---- ?--- ---- ----	*2*	
								1903	0101*			x--- ---- ---- -?-- ----	0	
								1908	03	1908	11	x--- ---- x--- -?-- ----	2	
								1911	04	1911	06	x--- ---- x--- ---- ----	2	
								1911	10			x--- ---- x--- ---- ----	2	
								1912	1212			x--- ---- x--- ---- ----	2	
								1915	0322			x--- ---- ?--- -?-- ----	2	
								1915	08			x--- ---- x--- ---- ----	2	
								1947	02			x--- ---- x--- ?--- ----	2	
								1955				x--- ---- x--- ---- ----	2	
							?	*1957*		?*1958*		x--- ---- ---- ---- ----		
								1963	11 <			x--- ---- ---- -x-- ----	0	
								1972	0103?			x--- ---- x--- ---- ----	1	
								1972	12 <	2010>		x--- ---- x--- xx-- ----	2*	
Morning, Mt. (Antarctica)	76.50 S	163.53 E	2723	0000	PXBYt	**Shield volcano**		1900-020	**Holocene**				
Royal Society Range (Antarctica)	78.25 S*	163.33 E	3000	0000	Yz	**Cinder cones**		1900-021	Holocene?				
Berlin (Antarctica)	76.05 S	136.00 W	3478	0000	TPYX	**Shield volcanoes**		1900-022	**Ar/Ar**				
								R	-8350*			x--- ---- ---- x--- ----	0	
Andrus (Antarctica)	75.80 S	132.33 W	2978	0000	TRY	**Shield volcanoes**		1900-023	Holocene?				
Waesche (Antarctica)	77.17 S	126.88 W	3292	0000	XYR	**Shield volcanoes**		1900-024	Holocene?				
Siple (Antarctica)	73.43 S	126.67 W	3110	0000	B	**Shield volcano**		1900-025	Holocene?				
Toney Mountain (Antarctica)	75.80 S	115.83 W	3595	0000	Xytr	**Shield volcano**		1900-026	Holocene?				
Takahe (Antarctica)	76.28 S	112.08 W	3460	0000	TX	**Shield volcano**		1900-027	**Ice Core**				
								I	-7050?			---- ---- x--- ---- ----		
								R	-6250*			x--- ---- x--- ---- ----		
								I	-5550?			---- ---- x--- ---- ----		
Hudson Mountains (Antarctica)	74.33 S*	99.42 W	749	0000	BX	**Stratovolcanoes**		1900-028	**Ice Core**				
Hudson Mts Subglacial Volcano							I	-0210x			---- --x- x--- ---- ----	4?	-/8
Webber Nunatak							?	*1985*			x--- ---- ?--- ---- ----		
Peter I Island (Antarctica)	68.85 S	90.58 W	1640	0000	Bayt	**Shield volcano**		1900-029	**Holocene**				
Deception Island (Antarctica)	62.97 S	60.65 W	576	0000	BXYTd	**Caldera**		1900-03=	**Historical**				
								C	-6750?			---- ---- x--- ---- ----		
								C	-3250?			---- ---- x--- ---- ----		
(tephra layer AP-14)								C	-2750?			---- ---- x--- ---- ----		
(tephra layer AP-13)								C	-1550?			---- ---- x--- ---- ----		
(tephra layer AP-12)								C	-0800?			---- ---- x--- ---- ----		
(tephra layer AP-11)								C	-0750?			---- ---- x--- ---- ----		
(tephra layer AP-10)								C	-0700?			---- ---- x--- ---- ----		
(tephra layer AP-9)								C	-0550?			---- ---- x--- ---- ----		
(tephra layer AP-8)								C	-0250?			---- ---- x--- ---- ----		
(tephra layer AP-7)								C	-0100?			---- ---- x--- ---- ----		
(tephra layer AP-6)								C	0100?			---- ---- x--- ---- ----		
(tephra layer AP-5)								C	0600?			---- ---- x--- ---- ----		
(tephra layer AP-4)								C	0900?			---- ---- x--- ---- ----		
(tephra layer AP-3)								C	1200?			---- ---- x--- ---- ----		
(tephra layer AP-2)								C	1500?			---- ---- x--- ---- ----		
(tephra layer AP-1)								I	1641c			---- ---- x--- ---- ----		
N side caldera bay (near Telefon Bay)									1800<			x--- ---- x--- ---- ----		
NE side caldera bay (Pendulum Cove)									1827b			x--- ---- x--- ---- ----		
(vigorous steam emission only)							X	*1829*				---- ---- ---- ---- ----		
Crater Lake--Mt. Kirkwood area							?	*1839<*				---- ---- ?--- ---- ----		
S caldera rim (flanks of Mt Kirkwood)								1842	02			x x	2	
SE side of caldera bay (Kroner Lake)							T	1871s				x--- ---- x--- ---- ----		
(fumarolic activity only)							X	*1909*				---- ---- ---- ---- ----		
SW part of island								1912e				---- ---- x--- ---- ----	3?	
(steam emission only)							X	*1927*				---- ---- ---- ---- ----		
North side (Telefon Bay, Yelcho I)								1967	1204	1967	1207	---- xx-- x-x- ---- -x?-	3	-/7
West side of Mount Pond								1969	0221	1969	03	---- --x- x--- ---- -xJ-	3	-/7
NE of Telefon Bay								1970	0812			---- x--- x-x- ---- --J-	3	
							?	*1972*	*0929*	?*1972*	*0929*	---- ---- ---- ---- ----		
							?	*1987*	*0723*			---- ?--- ?--- ---- ----		
Penguin Island (Antarctica)	62.10 S	57.93 W	180	0000	B	**Stratovolcano**		1900-031	**Lichenometry**				
Deacon Peak							L	1683?				x--- ---- x--- ---- ----		
Deacon Peak								1850?				x--- ---- ---- x--- ----		
NE flank (Petrel Crater)							L	1905?				-x-- ---- x--- ---- ----		
Bridgeman Island (Antarctica)	62.05 S	56.75 W	240	0000	AB	**Stratovolcano**		1900-04=	Uncertain				
Paulet (Antarctica)	63.58 S	55.77 W	353	0000	BX	**Cinder cone**		1900-041	**Holocene**				
							?	*1850*				---- ---- ---- ---- ----		
Seal Nunataks Group (Antarctica)	65.03 S*	60.05 W	368	0000	BX	**Pyroclastic cones**		1900-05=	Uncertain				
Lindenberg Island							?	*1893*	*1211*			xx-- ---- x--- ---- ----	*1*	
Dallman, Murdoch							?	*1980*	*0615z*			x--- ---- ?--- ?--- ----		
Unnamed (Antarctica)	56.25 S	72.17 W	-4220						1900-051	Not a Volcano				

S SANDWICH ISLANDS

Thule Islands (S Sandwich Is)	59.45 S	27.37 W	1075	0000	ABD	**Stratovolcanoes**		1900-07=	**Historical**				
South flank of Bellinghausen Island								1975k			-x-- ---- --x- ---- ----	1?	
Bristol Island (S Sandwich Is)	59.03 S	26.58 W	1100	0000	BA	**Stratovolcano**		1900-08=	**Historical**				
								1823			---- ---- ?--- ---- ----	2	
								1935	1231		x--- ---- x--- ---- ----	2	
								1936	1218	1937	0101? x--- ---- x--- x--- ----	2	

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VOLCANO NAME (Subregion) / ERUPTION	LAT	—	LONG	—	ELEV (m)	POPL 5 km	10	100	ROCK TYPE	VOLC TYPE / Area of Activity	NUMBER Start Year	Start M-Dy	STATUS Stop Year	Stop M-Dy	ERUPTIVE CHARACTERISTICS	VEI	Vol L/T
Bristol Island (S Sandwich Is) *continued*											1950	0327	....	....	---- ---- x--- ---- ----	2	
West flank											1956	0111	1956	0119?	-x-- ---- x--- ---- ----	3	
Montagu Island (S Sandwich Is)	58.42	S	26.33	W	1370	0000			B	**Shield volcano**	**1900-081**		**Historical**				
											? 1996	*0901w*	....	....	x--- ---- ?--- ---- ----	*1?*	
NW of Mount Belinda											2001	1001n	2007	0920	x--- --x- x--- xx-- ----	1?	
Michael (S Sandwich Is)	57.78	S	26.45	W	990	0000			BA	**Stratovolcano**	**1900-09=**		**Historical**				
											1819	1229	....	....	x--- ---- x--- ---- ----	2	
											? 1823	....	....	....	---- ---- ?--- ---- ----	*2?*	
North flank											T 1900j	....	....	....	--x- --x- ---- x--- ----	0	
											1995	04 ?	1996	06	x--- ---- ---- -x-- ----	0	
											1995	1005d	1996	04	x--- ---- ---- -x-- ----	0	
											1996	10	....	....	x--- ---- ---- -x-- ----	0	
											1997	05 ?	1998	02 >	x--- ---- ---- -x-- ----	0	
											2000	08 ?	2001	01 ?	x--- ---- ---- -x-- ----	0	
											2001	09 ?	2001	11 ?	x--- ---- ---- -x-- ----	0	
											2002	07 ?	2002	11 ?	x--- ---- ---- -x-- ----	0	
											2003	0506?	2003	0506?	x--- ---- ---- -x-- ----	0	
											2005	1002?	2006	0120?	x--- ---- ---- -x-- ----	0	
											2006	0609<	2006	1206?	x--- ---- ---- -x-- ----	0	
Candlemas Island (S Sandwich Is)	57.08	S	26.67	W	550	0000			BAD	**Stratovolcano**	**1900-10=**		**Historical**				
S Sandwich Is (probably Candlemass)											I -1250?	....	....	....	---- ---- x--- ---- ----		
NW flank (Lucifer Hill)											1823	....	....	....	-x-- ---- ?--- ---- ----	2	
NW flank (Lucifer Hill)											1911	1106	....	....	-x-- ---- ?--- ---- ----	2	
NW flank (Lucifer Hill)											*? 1953*	*1231y*	....	....	-x-- ---- ---- ?--- ----	*0*	
Hodson (S Sandwich Is)	56.70	S	27.15	W	1005	0000			BA	**Stratovolcano**	**1900-11=**		**Holocene**				
											? 1830	*0922*	....	....	---- ---- ?--- ---- ----		
											? 1930	....	....	....	x--- ---- ?--- ---- ----		
Leskov Island (S Sandwich Is)	56.67	S	28.13	W	190	0000			A	**Stratovolcano**	**1900-12=**		**Fumarolic**				
Zavodovski (S Sandwich Is)	56.30	S	27.57	W	551	0000			B	**Stratovolcano**	**1900-13=**		**Historical**				
											1819	12	....	....	x--- ---- x--- ---- ----	2	
											? 1823	....	....	....	---- ---- ?--- ---- ----	*1*	
											? 1830	*09*	....	....	---- ---- ?--- ---- ----	*1*	
											? 1908	*11*	....	....	---- ---- ?--- ---- ----	*1*	
Protector Shoal (S Sandwich Is)	55.92	S	28.08	W	-27	0000			R	**Submarine volc**	**1900-14-**		**Historical**				
											1962	0305	....	....	---- x--- x--- ---- ----	0	-/8

Richard Waitt (USGS/CVO)

Mount Erebus, the world's southernmost historically active volcano, is viewed here from the SW, near the McMurdo research station on Ross Island. The 3794-m-high Erebus is capped by an elliptical 500 x 600 m wide, 110-m-deep summit crater that contains an active lava lake. The glacier-covered volcano was erupting when first sighted by Captain James Ross in 1841. Continuous lava-lake activity has been documented since 1972.

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Chronology of Eruptions

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Chronology of Eruptions: Context and Codes

This section arranges all 10,415 eruptions in a chronological sequence by **START** date **(YEAR M-Dy)**, displaying all volcanism known to have taken place in each year. For any given year, those eruptions known to be continuing from the previous year are listed first (sequenced by volcano number). These are followed by eruptions known only to have taken place sometime during the year (also sequenced by volcano number), and finally by eruptions starting in a known month or day. For non-historical eruptions, the dating method code is shown, and the date may be followed by a date uncertainty code (both discussed earlier on pages 19-24 and shown in the tables below). Attention must be paid, particularly with older dates, to the uncertainty code and to the uncorrected radiocarbon dates (p. 21-22); radiocarbon dates preceded by "C" may be as much as 900 years from the true calendar date during the early Holocene. An eruption listed simply as "seventeenth century" will be shown only *once* as "1650t" (1650 ± 50 years).

The **Duration** of an eruption, when known, is shown in days, but eruptions exceeding ~999 days are listed as "**>3yr**." **VOLCANO NUMBER** allows cross-reference to map or directory, for additional information, and both **VEI** and volume data (**Vol-L/T** as shown in the table below) indicate eruption size. When more than one **VEI** is assigned for an eruption, as for a paroxysmal explosion following the onset of the eruption, the two dates appear separately in chronologic sequence. Thus the catastrophic eruption of Tambora in Indonesia appears on April 5, 1815, but the eruption's start is also entered in 1812, and its continuing lower-level activity is noted for 1813 and 1814. The renowned 1980 eruption of Mount St. Helens is listed for its March 27 start, its May 18 paroxysmal eruption, and 5 subsequent events that produced ash cloud heights of 13 km or more.

CODE BEFORE DATE

- = Anthropology
- = Radiocarbon (uncorrected)
- = Dendrochronology (tree ring)
- = Surface Exposure
- = Fission Track
- = Radiocarbon (corrected)
- = Hydration Rind
- = Ice Core
- = Potassium-Argon (K-Ar)
- = Lichenometry
- = Magnetism
- = Thermoluminescence
- = Argon-Argon (Ar-Ar)
- = SOFAR (hydrophonic)
- = Tephrochronology
- = Uranium-Series
- = Varve Counts

- = BC date
- = Eruption uncertain
- = Eruption location uncertain
- = Discredited Eruption

CODE AFTER DATE (Uncertainty)

Code	±Years	±Days	Code	±Years	±Days	
	1	1		18	25	
	2	2		20	30	(1 mo)
	3	3		25	45	
	4	4		30	60	(2 mo)
	5	5		40	75	
	6	6		50	90	(3 mo)
	7	7		75	120	
	8	8		100	150	
	9	9		150	180	(6 mo)
	10	10		200	270	
	12	12		300	365	(1 yr)
	14	15		500	545	
	16	20		1000	730	(2 yr)

- = eruption after date listed
- = eruption before date listed
- = date uncertain (no data)

EXAMPLES:

1731<	=	on or before 1731
1731a	=	between 1730 and 1732
1731 1105d	=	between Nov 1 & 9
1750t	=	18th century
1790j	=	late 18th century
1778 02?	=	February (?) 1778

VOLUME

L/T = volume of lava erupted (left column) / volume of tephra (right column)

7/- = 10^7 m^3 lava, no recorded tephra voume

-/**9** = 10^9 m^3 tephra, no recorded lava volume

7/8 = 10^7 m^3 lava, 10^8 m^3 tephra

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
V-9950w	?	**Nemrut Dagi** (Turkey)	0103-02=		
G-9850?	?	**Tongariro** (New Zealand)	0401-08=		
G-9850?	?	**Ruapehu** (New Zealand)	0401-10=		
T-9650?	?	**Tongariro** (New Zealand)	0401-08=	5	-/9
T-9650?	?	**Ruapehu** (New Zealand)	0401-10=		
G-9540z	?	**Nantai** (Honshu-Japan)	0803-141		
G-9520y	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
G-9500y	?	**Khangar** (Kamchatka)	1000-272	P	
T-9500?	?	**Theistareykjarbunga** (Iceland-NE)	1703-09=	0	10/-
G-9490?	?	**Towada** (Honshu-Japan)	0803-271	3	-/7
G-9460x	?	**Taupo** (New Zealand)	0401-07=	5	-/9
G-9450?	?	**Tongariro** (New Zealand)	0401-08=	5	-/9
G-9450w	?	**Tacaná** (Mexico)	1401-13=		
T-9350?	?	**Tongariro** (New Zealand)	0401-08=	5	8/9
G-9280r	?	**Barú** (Panamá)	1406-01-		
G-9240u	?	**Taupo** (New Zealand)	0401-07=	5	-/9
G-9240z	?	**Lanin** (Chile-C)	1507-122		
T-9210?	?	**Taupo** (New Zealand)	0401-07=	4	7/8
G-9210*	?	**Newberry** (US-Oregon)	1202-11-		
G-9160*	?	**Kuju** (Kyushu-Japan)	0802-12=	4	8/8
T-9000?	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	0	9/-
G-8910x	?	**Askja** (Iceland-NE)	1703-06=	5	-/9
T-8800y	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	3?	-/8
G-8780w	?	**Merapi** (Java)	0603-25=		
G-8750?	?	**Ulreung** (Korea)	1006-03-	6	-/10
G-8740w	?	**West Eifel Volc Field** (Germany)	0100-01-		
G-8710y	?	**Zuni-Bandera** (US-New Mexico)	1210-02-		
G-8670y	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-8600?	?	**Hveravellir** (Iceland-SW)	1701-08=	0	9/-
G-8560y	?	**Ubinas** (Perú)	1504-02=		
T-8550*	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
C-8540>	?	**Fuji** (Honshu-Japan)	0803-03=		9/-
T-8500?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-8500?	?	**Krisuvik** (Iceland-SW)	1701-03=	0	9/-
T-8500?	?	**Krafla** (Iceland-NE)	1703-08=	0	9/-
G-8480v	?	**Campi Flegrei** (Italy)	0101-01=	4	
G-8460x	?	**Snaefellsjökull** (Iceland-W)	1700-01=		
T-8450?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-8450?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-8400y	?	**Shoshone Lava Field** (US-Idaho)	1204-01-	0	
T-8350?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-8350?	?	**Hengill** (Iceland-SW)	1701-05=	0	9/-
R-8350*	?	**Berlin** (Antarctica)	1900-022	0	
C-8300y	?	**West Eifel Volc Field** (Germany)	0100-01-		
T-8300y	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	4	-/8
G-8250?	?	**Ngozi** (Africa-E)	0202-164	C	
G-8250?	?	**Towada** (Honshu-Japan)	0803-271	5	-/9
G-8250v	?	**Khangar** (Kamchatka)	1000-272		
E-8250*	?	**Negra, Sierra** (Galápagos)	1503-05=	0	
G-8250?	?	**Hengill** (Iceland-SW)	1701-05=	0	10/-
I-8232x	?	***Unknown Source*** *(GISP2, 148 ppb S)*	.....		
G-8230t	?	**Grimsvötn** (Iceland-NE)	1703-01=	6	-/10
I-8230x	?	***Unknown Source*** *(GISP2, 150 ppb S)*	.....		
G-8210x	?	**Pelée** (W Indies)	1600-12=	4?	-/8
T-8200?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-8200?	?	**Hengill** (Iceland-SW)	1701-05=	0	9/-
I-8169x	?	***Unknown Source*** *(GISP2, 142 ppb S)*	.....		
I-8154x	?	***Unknown Source*** *(GISP2, 91 ppb sulfate)*	.....		
G-8130x	?	**Taupo** (New Zealand)	0401-07=	5	-/9
I-8103x	?	***Unknown Source*** *(GISP2,109 ppb S)*	.....		
T-8100?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
I-8098x	?	***Unknown Source*** *(GISP2, 94 ppb sulfate)*	.....		
C-8060z	?	**Garibaldi** (Canada)	1200-20-	3?	9/7
T-8050?	?	**Süphan Dagi** (Turkey)	0103-021		
C-8050*	?	**Emuruangogolak** (Africa-E)	0202-051		
K-8050?	?	**Karisimbi** (Africa-C)	0203-04-		
T-8050?	?	**Okataina [Tarawera]** (New Zeal)	0401-05=		
C-8050?	?	**Inierie** (Lesser Sunda Is)	0604-08=		
T-8050*	?	**Aso** (Kyushu-Japan)	0802-11=	1	-/5
T-8050?	?	**Izu-Tobu** (Honshu-Japan)	0803-01=	3	6/7
T-8050?	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
K-8050?	?	**Iwaki** (Honshu-Japan)	0803-27=		
T-8050z	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-8050?	?	**Kozu-shima** (Izu Is-Japan)	0804-03=		
T-8050?	?	**Kuttara** (Hokkaido-Japan)	0805-034		7/-
T-8050?	?	**Vilyuchik** (Kamchatka)	1000-083	2?	
T-8050*	?	**Kostakan** (Kamchatka)	1000-122	3	-/7
C-8050?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-8050?	?	**Kizimen** (Kamchatka)	1000-23=	5	-/9
G-8050?	?	**Rainier** (US-Washington)	1201-03-	3	-/7
T-8050?	?	**Shasta** (US-California)	1203-01-		
C-8050?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
I-8050?	?	**Chacana** (Ecuador)	1502-022		
T-8050?	?	**Vestmannaeyjar** (Iceland-S)	1702-01=	4	-/8
R-8050*	?	**Erebus** (Antarctica)	1900-02=	0	
G-8040v	?	**Palinuro** (Italy)	0101-031		
G-8040t	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
I-8031x	?	***Unknown Source*** *(GISP2, 109 ppb S)*	.....		
I-8026x	?	***Unknown Source*** *(GISP2, 97 ppb sulfate)*	.....		
C-8020t	?	**Tangkubanparahu** (Java)	0603-09=		
T-8020*	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	4	-/8
C-8010?	?	**Hudson, Cerro** (Chile-S)	1508-057		
T-8000?	?	**Reykjanes** (Iceland-SW)	1701-02=	0	9/-
-8000 (9950 BP)					
T-7980z	?	**Campi Flegrei** (Italy)	0101-01=	3	-/7
I-7978x	?	***Unknown Source*** *(GISP2, 144 ppb S)*	.....		
I-7953?	?	***Unknown Source*** *(Byrd Station 1968)*	.....		
T-7950?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-7950x	?	**Haleakala** (Hawaiian Is)	1302-06-		
I-7943x	?	***Unknown Source*** *(GISP2, 199 ppb S)*	.....		
C-7930z	?	**Chichinautzin [Pelado]** (México)	1401-08=	3	9/7
C-7920u	?	**Poás** (Costa Rica)	1405-04=		
G-7900w	?	**Hachimantai** (Honshu-Japan)	0803-25=		
G-7900?	?	**Ksudach** (Kamchatka)	1000-05=	5	-/9
C-7900u	?	**Taapaca** (Chile-N)	1505-011		
I-7870x	?	***Unknown Source*** *(GISP2, 111 ppb S)*	.....		
G-7850?	?	**Nasu** (Honshu-Japan)	0803-15=	3	7/7
G-7850x	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	4	-/8
T-7850?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
G-7850?	?	**Moffett** (Aleutian Is)	1101-111		
G-7850?	?	**Baker** (US-Washington)	1201-01=		8/-
C-7850?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-7850?	?	**Krafla** (Iceland-NE)	1703-08=		9/-
C-7840x	?	**Chaîne des Puys** (France)	0100-02-		
C-7840<	?	**Ruapehu** (New Zealand)	0401-10=	4	-/8
I-7837x	?	***Unknown Source*** *(GISP2, 120 ppb S)*	.....		
C-7820x	?	**Fuji** (Honshu-Japan)	0803-03=		
C-7810?	?	**Acigöl-Nevsehir** (Turkey)	0103-004		
G-7800y	?	**Rainier** (US-Washington)	1201-03-		
C-7800y	?	**Tolima, Nevado del** (Colombia)	1501-03=	P	
V-7769?	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-7750?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
T-7750?	?	**Shiveluch** (Kamchatka)	1000-27=	3	
C-7750?	?	**Shasta** (US-California)	1203-01-		
C-7750?	?	**Tungurahua** (Ecuador)	1502-08=	4	-/8
C-7750x	?	**Huaynaputina** (Perú)	1504-03=		
C-7750?	?	**Antuco** (Chile-C)	1507-08=		
U-7750z	?	**Pelée** (W Indies)	1600-12=		
G-7750?	?	**Grimsnes** (Iceland-SW)	1701-06=	3	-/7
N-7740?	?	**Chaîne des Puys** (France)	0100-02-		
C-7740u	?	**Jocotitlán** (México)	1401-062		
I-7728?	?	***Unknown Source*** *(Byrd Station 1968)*	.....		
T-7710x	?	**Barrier, The** (Africa-E)	0202-03=		
G-7700w	?	**Norikura** (Honshu-Japan)	0803-06=	3	-/7
I-7700?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C-7690z	?	**Colima** (México)	1401-04=		
C-7690u	?	**Cotopaxi** (Ecuador)	1502-05=	2	-/6
I-7683x	?	***Unknown Source*** *(GISP2, 98 ppb sulfate)*	.....		
C-7650?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-7650?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-7650*	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
C-7650v	?	**Shasta** (US-California)	1203-01-	4	-/8
T-7630?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
I-7629x	?	***Unknown Source*** *(GISP2, 114 ppb S)*	.....		
I-7627x	?	***Unknown Source*** *(GISP2, 106 ppb S)*	.....		
G-7620y	?	**Akutan** (Aleutian Is)	1101-32-		
C-7620v	?	**Poás** (Costa Rica)	1405-04=		
G-7600?	?	**Zao** (Honshu-Japan)	0803-19=		
G-7600	?	**Tolbachik** (Kamchatka)	1000-24=		
T-7600?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-7600z	?	**Roundtop** (Aleutian Is)	1101-38-	5?	
C-7590t	?	**Campi Flegrei** (Italy)	0101-01=		
C-7590v	?	**Ruapehu** (New Zealand)	0401-10=		
V-7579?	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-7570u	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-7560o	?	**Okataina [Haroharo]** (New Zeal)	0401-05=	5	9/9
K-7550*	?	**Ischia** (Italy)	0101-03=		
?-7550t	?	*Hasan Dagi (Turkey)*	0103-002		
R-7550*	?	**Paka** (Africa-E)	0202-053	C	
G-7550t	?	**Haku-san** (Honshu-Japan)	0803-05=		
T-7550?	?	**Nemo Peak** (Kuril Is)	0900-32=		
T-7550z	?	**Kurile Lake** (Kamchatka)	1000-023		
T-7550?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-7550z	?	**Bakening** (Kamchatka)	1000-123	2?	9/-
C-7550?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-7550?	?	**Ushkovsky** (Kamchatka)	1000-261		
T-7550?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-7550z	?	**Elovsky** (Kamchatka)	1000-59-	4	9/8
C-7550?	?	**Shishaldin** (Aleutian Is)	1101-36-		
C-7550?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-7550?	?	**Hengill** (Iceland-SW)	1701-05=	0	8/-
C-7550z	?	**Prestahnukur** (Iceland-SW)	1701-07=	0	10/-

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-7550?	?	**Vestmannaeyjar** (Iceland-S)	1702-01=	3?	
T-7550?	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-7540 x	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-7530 y	?	**Fuji** (Honshu-Japan)	0803-03=		
C-7530 s	?	**Orizaba, Pico de** (Mexico)	1401-10=		
T-7520 *	?	**Villarrica** (Chile-C)	1507-12=	0	
C-7510 w	?	**Pago** (New Britain-SW Pac)	0502-08=		
C-7500 l	?	**Tangkubanparahu** (Java)	0603-09=		
T-7500?	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
T-7500 *	?	**Chimborazo** (Ecuador)	1502-071		
G-7490 w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
C-7480 t	?	**Lvinaya Past** (Kuril Is)	0900-041	6+	-/10
G-7460 w	?	**Pinatubo** (Luzon-Philippines)	0703-083	6?	
T-7450?	?	**Yake-dake** (Honshu-Japan)	0803-07=	0	
T-7450?	?	**Bandai** (Honshu-Japan)	0803-16=		
C-7450 l	?	**Ushishur** (Kuril Is)	0900-21=	C	
C-7450 y	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-7450 z	?	**Burney, Monte** (Chile-S)	1508-07=	5	-/9
C-7430 y	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
C-7420 x	?	**Fisher** (Aleutian Is)	1101-35-	6?	-/10
C-7420 y	?	**Shasta** (US-California)	1203-01-		
C-7420 z	?	**Colima** (Mexico)	1401-04=		
G-7420 u	?	**Barú** (Panamá)	1406-01-		
C-7420 u	?	**Chaitén** (Chile-S)	1508-041	C	
C-7410 y	?	**Llaima** (Chile-C)	1507-11=		
T-7400 w	?	**Gorely** (Kamchatka)	1000-07=	0	
G-7400 w	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-7400 *	?	**Yellowstone** (US-Wyoming)	1205-01-		
T-7400 y	?	**Krafla** (Iceland-NE)	1703-08=	0	
T-7390 x	?	**Burney, Monte** (Chile-S)	1508-07=		
G-7380 w	?	**Mageik** (Alaska Peninsula)	1102-15-		
G-7370 y	?	**Chichinautzin [Tres Cruces]**	1401-08=	4	-/8
T-7350 *	?	**Menengai** (Africa-E)	0202-06=		
T-7350 *	?	**North Sister Field** (US-Oregon)	1202-07-	2?	
T-7350?	?	**Shasta** (US-California)	1203-01-	0	
C-7350?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-7350 y	?	**Michoacán [El Huanillo]** (Mexico)	1401-06=	3	-/7
T-7330?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-7320 *	?	**Pelée** (W Indies)	1600-12=		
G-7310 y	?	**Merapi** (Java)	0603-25=		
C-7310 z	?	**Fuji** (Honshu-Japan)	0803-03=		
T-7300 *	?	**Tate-yama** (Honshu-Japan)	0803-08=		
T-7300?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-7300 z	?	**Kanaga** (Aleutian Is)	1101-11-		
R-7300 '	?	**Seguam** (Aleutian Is)	1101-18-	5?	-/8
T-7300 '	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
T-7300?	?	**Hengill** (Iceland-SW)	1701-05=		9/-
C-7290 v	?	**Udokan [Sini]** (Russia-SE)	1002-03-		
G-7290 *	?	**Chichinautzin [Tetépetl]** (Mexico)	1401-08=	0	
C-7270 t	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-7260 y	?	**Turrialba** (Costa Rica)	1405-07=		9/-
G-7260 x	?	**Tenerife** (Canary Is)	1803-03-		
G-7250 w	?	**Norikura** (Honshu-Japan)	0803-06=	3	8/7
G-7250?	?	**Towada** (Honshu-Japan)	0803-271	5?	-/9
T-7250?	?	**Gorely** (Kamchatka)	1000-07=	2	
C-7250?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-7250?	?	**Shasta** (US-California)	1203-01-		
C-7250?	?	**Láscar** (Chile-N)	1505-10=		
C-7240 w	?	**Yanteles** (Chile-S)	1508-050		
C-7220 w	?	**Edgecumbe** (Alaska-E)	1105-04-		
G-7210?	?	**Haleakala** (Hawaiian Is)	1302-06-		
I-7210 x	?	***Unknown Source*** *(GISP2, 146 ppb S)*	.....		
C-7200 v	?	**Longonot** (Africa-E)	0202-10=		
G-7200 x	?	**Asama** (Honshu-Japan)	0803-11=		
G-7190 w	?	**Misti, El** (Perú)	1504-01=		
T-7180 *	?	**Kuju** (Kyushu-Japan)	0802-12=		8/-
T-7150 z	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-7150?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-7150?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-7150?	?	**Popocatépetl** (Mexico)	1401-09=	P	
I-7148 x	?	***Unknown Source*** *(GISP2, 116 ppb S)*	.....		
C-7140 w	?	**Karkar** (New Guinea-NE of)	0501-03=	C	
C-7130 v	?	**Itasy Volc Field** (Madagascar)	0303-014		
T-7100 *	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=		
G-7100 v	?	**Khangar** (Kamchatka)	1000-272		
T-7100?	?	**Hengill** (Iceland-SW)	1701-05=	0	9/-
T-7100?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		9/-
V-7087?	?	**Nemrut Dagi** (Turkey)	0103-02=		
K-7050?	?	**Pantelleria** (Italy)	0101-071		
R-7050 *	?	**Silali** (Africa-E)	0202-052		
T-7050?	?	**Maroa [Orakeikorako]** (New Zeal)	0401-061		
T-7050 *	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	-/7
T-7050 z	?	**Haku-san** (Honshu-Japan)	0803-05=		
T-7050?	?	**Megata** (Honshu-Japan)	0803-262		
G-7050?	?	**E-san** (Hokkaido-Japan)	0805-011	3	-/7
C-7050?	?	**Akan** (Hokkaido-Japan)	0805-07=	4	-/8
T-7050?	?	**Nemo Peak** (Kuril Is)	0900-32=		
T-7050 *	?	**Zheltovsky** (Kamchatka)	1000-04=	5	-/9
T-7050 '	?	**Bezymianny** (Kamchatka)	1000-25=		
C-7050 '	?	**Sedankinsky** (Kamchatka)	1000-52-		
C-7050?	?	**Shishaldin** (Aleutian Is)	1101-36-		
T-7050?	?	**Hoodoo Mountain** (Canada)	1200-08-	0	
T-7050 *	?	**Adams** (US-Washington)	1201-04-	2	
K-7050 *	?	**Loihi** (Hawaiian Is)	1302-00-	0	
T-7050 *	?	**Galeras** (Colombia)	1501-08=		
U-7050 *	?	**Pelée** (W Indies)	1600-12=		
T-7050 *	?	**Ljosufjöll** (Iceland-W)	1700-03=	2	9/-
T-7050 *	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=		
T-7050?	?	**Kverkfjöll** (Iceland-NE)	1703-05=		
R-7050 *	?	**Erebus** (Antarctica)	1900-02=	0	
I-7050?	?	**Takahe** (Antarctica)	1900-027		
G-7030 y	?	**Pinatubo** (Luzon-Philippines)	0703-083		
C-7030 t	?	**Orizaba, Pico de** (Mexico)	1401-10=	4	-/8
C-7020 v	?	**Chaine des Puys** (France)	0100-02-		
C-7000 v	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-7000?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-7000?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
C-6990 u	?	**Mammoth Mountain** (US-California)	1203-15-		
I-6955 x	?	***Unknown Source*** *(GISP2, 236 ppb S)*	.....		
C-6950?	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
C-6950?	?	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	5	-/9
C-6950?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
T-6950?	?	**Ichinsky** (Kamchatka)	1000-28=		
G-6950?	?	**Prestahnukur** (Iceland-SW)	1701-07=	0	9/-
T-6950?	?	**Krafla** (Iceland-NE)	1703-08=	0	
G-6940 v	?	**Vesuvius** (Italy)	0101-02=	5	-/9
U-6930?	?	**Endeavour Ridge** (Pacific-NE)	1301-01-	0	
C-6910 <	?	**Atacazo** (Ecuador)	1502-021	P	
C-6890 z	?	**Malinche, La** (Mexico)	1401-091		
C-6890 s	?	**Infiernillo** (Argentina)	1507-041		
C-6890 z	?	**Chillán, Nevados de** (Chile-C)	1507-07=		
G-6880 s	?	**Erciyes Dagi** (Turkey)	0103-01=		
C-6880 u	?	**Llaima** (Chile-C)	1507-11=	5	-/9
N-6850?	?	**Abu** (Honshu-Japan)	0803-001		
G-6850 w	?	**Ubinas** (Perú)	1504-02=		
T-6850?	?	**Krafla** (Iceland-NE)	1703-08=	2?	
T-6850?	?	**Tenerife** (Canary Is)	1803-03-		
C-6830 w	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
C-6820 x	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-6820?	?	**Copahue** (Chile-C)	1507-09=		
C-6800 y	?	**Bolshoi Semiachik** (Kamchatka)	1000-15=		
T-6800?	?	**Shiveluch** (Kamchatka)	1000-27=	5?	-/9
T-6800?	?	**Krafla** (Iceland-NE)	1703-08=	2?	
T-6800?	?	**Theistareykjarbunga** (Iceland-NE)	1703-09=	0	
I-6766 x	?	***Unknown Source*** *(GISP2, 153 ppb S)*	.....		
C-6760 s	?	**Haleakala** (Hawaiian Is)	1302-06-		
?-6750 t	?	*Hasan Dagi (Turkey)*	0103-002		
G-6750 t	?	**Kuchino-shima** (Ryukyu Is)	0802-043		
H-6750 *	?	**Mono Craters** (US-California)	1203-12-		
C-6750 x	?	**Agua de Pau** (Azores)	1802-09=		
C-6750?	?	**Deception Island** (Antarctica)	1900-03=		
I-6721 x	?	***Unknown Source*** *(GISP2 572, 396 ppb S)*	.....		
C-6720 t	?	**Terceira** (Azores)	1802-05=		
C-6710 x	?	**Malinche, La** (Mexico)	1401-091		
C-6710 w	?	**Orizaba, Pico de** (Mexico)	1401-10=	5?	-/9
C-6700 v	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-6690?	?	**Villarrica** (Chile-C)	1507-12=	P	
C-6670 w	?	**Ushkovsky** (Kamchatka)	1000-261		
T-6660 <	?	**Ruiz, Nevado del** (Colombia)	1501-02=		
C-6650 v	?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
G-6650 v	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
T-6650?	?	**Oshima** (Izu Is-Japan)	0804-01=		
C-6650 x	?	**Makushin** (Aleutian Is)	1101-31-		
I-6650?	?	**Shasta** (US-California)	1203-01-		
C-6650?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-6650?	?	**Soche** (Ecuador)	1502-001	5?	
C-6650?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T-6650?	?	**Yanteles** (Chile-S)	1508-050		
G-6650 t	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=		10/-
T-6640 *	?	**Corcovado** (Chile-S)	1508-05=		
I-6614 w	?	***Unknown Source*** *(GISP2, 240 ppb S)*	.....		
G-6610 w	?	**Pelée** (W Indies)	1600-12=	4?	-/8
G-6600?	?	**Karymsky** (Kamchatka)	1000-13=	6	-/10
T-6600?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-6600?	?	**Sabancaya** (Perú)	1504-006		
C-6590 w	?	**Dieng Volc Complex** (Java)	0603-20=	0	
C-6580 <	?	**Fuji** (Honshu-Japan)	0803-03=		
G-6560 u	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
I-6555 w	?	***Unknown Source*** *(GISP2, 101 ppb S)*	.....		
C-6550?	?	**Chaine des Puys** (France)	0100-02-		
K-6550?	?	**Vulcano** (Italy)	0101-05=		
T-6550 *	?	**Namarunu** (Africa-E)	0202-04-		
T-6550 *	?	**Emuruangogolak** (Africa-E)	0202-051		
G-6550 t	?	**Haku-san** (Honshu-Japan)	0803-05=		

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-6550	?	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	3	7/7
T-6550	?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-6550	*	?	**Usu** (Hokkaido-Japan)	0805-03=		
T-6550	z	?	**Kostakan** (Kamchatka)	1000-122	3	6/7
T-6550	z	?	**Bakening** (Kamchatka)	1000-123	3	-/7
C-6550	?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
C-6550	?	?	**Ugashik-Peulik** (Alaska Peninsula)	1102-13-		
C-6550	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-6550	?	?	**Tenerife** (Canary Is)	1803-03-		
C-6520	x	?	**Edziza** (Canada)	1200-06-		
G-6510	u	?	**Chichón, El** (Mexico)	1401-12=		
T-6500	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-6500	?	?	**Krafla** (Iceland-NE)	1703-08=		9/-
T-6490	?	?	**Campi Flegrei** (Italy)	0101-01=	3?	-/7
C-6480	y	?	**Michoacán [La Taza]** (Mexico)	1401-06=	3	-/7
I-6476	w	?	***Unknown Source*** *(GISP2, 710 ppb S)*	.....		
V-6471	?	?	**Nemrut Dagi** (Turkey)	0103-02=		
I-6470	w	?	***Unknown Source*** *(GISP2, 154 ppb S)*	.....		
C-6450	?	?	**Perbakti-Gagak** (Java)	0603-04=		
T-6450	*	?	**Iwate** (Honshu-Japan)	0803-24=		
T-6450	z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	-/8
G-6450	?	?	**Ulreung** (Korea)	1006-03-		
H-6450	?	?	**Salton Buttes** (US-California)	1203-20-		
G-6450	w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
C-6450	?	?	**Pelée** (W Indies)	1600-12=		
G-6440	q	?	**Kurile Lake** (Kamchatka)	1000-023	7	-/11
T-6400	*	?	**Asama** (Honshu-Japan)	0803-11=		
C-6400	t	?	**Kizimen** (Kamchatka)	1000-23=	5	-/9
G-6400	w	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-6400	u	?	**Khangar** (Kamchatka)	1000-272		
C-6400	?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
I-6397	w	?	***Unknown Source*** *(GISP2 424, 130 ppb S)*	.....		
T-6380	?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-6380	?	?	**Katla** (Iceland-S)	1702-03=		
I-6360	w	?	***Unknown Source*** *(GISP2, 92 ppb S)*	.....		
K-6350	*	?	**Vulcano** (Italy)	0101-05=		
C-6350	?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
T-6350	?	?	**Bandai** (Honshu-Japan)	0803-16=		
G-6350	x	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	3	-/7
C-6350	?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-6350	?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-6340	x	?	**Lanin** (Chile-C)	1507-122		
I-6338	w	?	***Unknown Source*** *(GISP2, 222 ppb S)*	.....		
C-6320	x	?	**Colima** (Mexico)	1401-04=		
C-6310	z	?	**Okmok** (Aleutian Is)	1101-29-	P	
C-6310	u	?	**Malinche, La** (Mexico)	1401-091		
C-6300	t	?	**Campi Flegrei** (Italy)	0101-01=		
G-6300	v	?	**Iwate** (Honshu-Japan)	0803-24=		
T-6300	y	?	**Bakening** (Kamchatka)	1000-123		
C-6300	?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
I-6273	w	?	***Unknown Source*** *(GISP2, 150 ppb S)*	.....		
C-6270	x	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=		
N-6250	?	?	**Chaine des Puys** (France)	0100-02-		
T-6250	?	?	**Sumiyoshi-ike** (Kyushu-Japan)	0802-081	2	-/6
G-6250	?	?	**Towada** (Honshu-Japan)	0803-271	4	-/8
C-6250	?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
C-6250	v	?	**Indian Heaven** (US-Washington)	1201-07-		8/-
C-6250	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-6250	z	?	**Popocatépetl** (Mexico)	1401-09=		
G-6250	?	?	**Grimsnes** (Iceland-SW)	1701-06=		
R-6250	*	?	**Takahe** (Antarctica)	1900-027		
C-6240	y	?	**Fuji** (Honshu-Japan)	0803-03=		
C-6230	?	?	**Acigöl-Nevsehir** (Turkey)	0103-004		
T-6230	?	?	**Katla** (Iceland-S)	1702-03=		
C-6220	t	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-6220	u	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	-/7
G-6220	x	?	**Pelée** (W Indies)	1600-12=	P	
V-6213	?	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-6210	v	?	**Udokan [Khangura]** (Russia-SE)	1002-03-		
C-6200	*	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	6	-/10
T-6200	?	?	**Sumiyoshi-ike** (Kyushu-Japan)	0802-081	3	-/7
T-6200	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-6200	?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T-6200	?	?	**Katla** (Iceland-S)	1702-03=		
G-6200	u	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-6190	x	?	**Etna** (Italy)	0101-06=		
T-6170	?	?	**Katla** (Iceland-S)	1702-03=		
G-6150	v	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
I-6150	y	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=		
G-6150	?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G-6150	t	?	**Ichinsky** (Kamchatka)	1000-28=		
T-6150	?	?	**Krafla** (Iceland-NE)	1703-08=	0	
C-6140	x	?	**Quill, The** (W Indies)	1600-02=	P	
C-6130	u	?	**Pantelleria** (Italy)	0101-071		
C-6120	v	?	**Malinche, La** (Mexico)	1401-091		
C-6110	?	?	**West Crater** (US-Washington)	1201-06-	2?	
T-6100	?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-6100	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-6100	t	?	**Makushin** (Aleutian Is)	1101-31-	5	-/9
G-6060	t	?	**Okataina [Haroharo]** (New Zeal)	0401-05=	5	10/9
M-6050	?	?	**Stromboli** (Italy)	0101-04=	0	
R-6050	*	?	**Silali** (Africa-E)	0202-052		
C-6050	?	?	**Menengai** (Africa-E)	0202-06=	6+	-/10
T-6050	?	?	**Olkaria** (Africa-E)	0202-09=		9/-
N-6050	*	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	
C-6050	<	?	**Itasy Volc Field** (Madagascar)	0303-014		
C-6050	u	?	**Mayor Island** (New Zealand)	0401-021		
T-6050	?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C-6050	?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	5	
T-6050	?	?	**Fuji** (Honshu-Japan)	0803-03=		
T-6050	?	?	**Hiuchi** (Honshu-Japan)	0803-131		
T-6050	*	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
T-6050	z	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-6050	?	?	**Zheltovsky** (Kamchatka)	1000-04=		
T-6050	?	?	**Gorely** (Kamchatka)	1000-07=	0	
C-6050	?	?	**Tolbachik** (Kamchatka)	1000-24=		
C-6050	?	?	**Spurr** (Alaska-SW)	1103-04-		
C-6050	?	?	**Shasta** (US-California)	1203-01-		
T-6050	?	?	**Yellowstone** (US-Wyoming)	1205-01-		
T-6050	*	?	**Barva** (Costa Rica)	1405-05=	P	
T-6050	?	?	**Calbuco** (Chile-S)	1508-02=		
T-6050	*	?	**Snaefellsjökull** (Iceland-W)	1700-01=		
T-6050	?	?	**Vestmannaeyjar** (Iceland-S)	1702-01=		
T-6050	?	?	**Katla** (Iceland-S)	1702-03=		
T-6050	*	?	**Torfajökull** (Iceland-S)	1702-05=		7/-
K-6050	*	?	**La Palma** (Canary Is)	1803-01-		
C-6030	s	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-6030	v	?	**Corcovado** (Chile-S)	1508-05=		
C-6020	w	?	**Chaîne des Puys** (France)	0100-02-		
G-6000	v	?	**Hakone** (Honshu-Japan)	0803-02=	3	-/7
T-6000	?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
C-6000	t	?	**Krasheninnikov** (Kamchatka)	1000-19=	4	9/8
T-6000	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-6000	?	?	**Krisuvik** (Iceland-SW)	1701-03=	0	9/-

-6000 (7950 BP)

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
I-5995	w	?	***Unknown Source*** *(GISP2, 115 ppb S)*	.....		
C-5990	v	?	**Udokan Plateau** (Russia-SE)	1002-03-		
C-5980	y	?	**Lamington** (New Guinea)	0503-01=		
G-5980	v	?	**Avachinsky** (Kamchatka)	1000-10=	5+	-/9
T-5960	?	?	**Katla** (Iceland-S)	1702-03=		
C-5950	?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
G-5950	x	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	3	-/7
T-5950	?	?	**Nii-jima** (Izu Is-Japan)	0804-02=		
T-5950	?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
C-5950	z	?	**Romeral** (Colombia)	1501-011	P	
C-5940	z	?	**Tacaná** (Mexico)	1401-13=		
G-5920	u	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T-5900	?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-5900	t	?	**Crater Lake** (US-Oregon)	1202-16-	6	8/10
C-5890	w	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	9/-
T-5890	?	?	**Katla** (Iceland-S)	1702-03=		
I-5881	?	?	***Unknown Source*** *(SP, 280 ppb S)*	.....		
G-5880	x	?	**Colima** (Mexico)	1401-04=		
C-5870	v	?	**Malinche, La** (Mexico)	1401-091		
C-5860	s	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-5850	?	?	**Meru** (Africa-E)	0202-16=	P	
C-5850	?	?	**Newer Volcanics Prov** (Australia)	0509-01-		
G-5850	?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
T-5850	?	?	**Ichinsky** (Kamchatka)	1000-28=		
C-5850	?	?	**Ugashik-Peulik** (Alaska Peninsula)	1102-13-		
C-5850	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-5850	?	?	**Hveravellir** (Iceland-SW)	1701-08=	2?	10/-
T-5850	?	?	**Katla** (Iceland-S)	1702-03=		
T-5850	*	?	**Hekla** (Iceland-S)	1702-07=		
C-5840	z	?	**Chichinautzin [Cuauhtzin]** (Mex)	1401-08=		8/-
C-5840	t	?	**Parinacota** (Chile-N)	1505-012		
C-5830	y	?	**Rishiri** (Hokkaido-Japan)	0805-041		
G-5820	u	?	**Lipari** (Italy)	0101-042		
C-5820	u	?	**Cotopaxi** (Ecuador)	1502-05=	5+	-/9
M-5800	y	?	**Stromboli** (Italy)	0101-04=	0	
T-5800	*	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
T-5800	?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
C-5800	t	?	**Taunshits** (Kamchatka)	1000-16-		
C-5800	t	?	**Krasheninnikov** (Kamchatka)	1000-19=	4	7/8
T-5800	t	?	**Kizimen** (Kamchatka)	1000-23=		8/-
M-5800	*	?	**Bachelor** (US-Oregon)	1202-09-		
C-5800	?	?	**Pelée** (W Indies)	1600-12=		
C-5780	w	?	**Redoubt** (Alaska-SW)	1103-03-		
N-5760	?	?	**Chaîne des Puys** (France)	0100-02-		
U-5750	*	?	**Tengchong** (SE Asia)	0705-11-		
G-5750	?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
T-5750	?	?	**Uzon** (Kamchatka)	1000-17=		

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
C-5750?	?	**West Crater** (US-Washington)	1201-06-	2?	
T-5750?	?	**Krafla** (Iceland-NE)	1703-08=	0	
T-5750?	?	**Tenerife** (Canary Is)	1803-03-		8/-
V-5745?	?	**Nemrut Dagi** (Turkey)	0103-02=		
T-5730?	?	**Katla** (Iceland-S)	1702-03=		
G-5720x	?	**Tacaná** (Mexico)	1401-13=		
T-5720?	?	**Katla** (Iceland-S)	1702-03=		
T-5710?	?	**Katla** (Iceland-S)	1702-03=		
T-5700 '	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	-/7
G-5700 l	?	**Azuma** (Honshu-Japan)	0803-18=	2	-/6
T-5700v	?	**Diky Greben** (Kamchatka)	1000-022		
T-5700 l	?	**Ilyinsky** (Kamchatka)	1000-03=	**C**	
T-5700?	?	**Avachinsky** (Kamchatka)	1000-10=		
C-5700 l	?	**Uzon** (Kamchatka)	1000-17=		
G-5700n	?	**Khangar** (Kamchatka)	1000-272	**6**	**-/10**
I-5677w 1015q	?	**Crater Lake** (US-Oregon)	1202-16-	**7**	8/11
G-5650 l	?	**Iwate** (Honshu-Japan)	0803-24=		
T-5650?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T-5650?	?	**Tolbachik** (Kamchatka)	1000-24=		
T-5650?	?	**Ichinsky** (Kamchatka)	1000-28=		
C-5650?	?	**Wells Gray-Clearwater** (Canada)	1200-15-		
C-5650?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-5630?	?	**Katla** (Iceland-S)	1702-03=		
C-5610v	?	**Pantelleria** (Italy)	0101-071		
G-5600?	?	**Zao** (Honshu-Japan)	0803-19=		
G-5600?	?	**Ksudach** (Kamchatka)	1000-05=		
T-5600?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-5600?	?	**Tolbachik** (Kamchatka)	1000-24=		
C-5590v	?	**Poás** (Costa Rica)	1405-04=		
C-5580y	?	**Malinche, La** (Mexico)	1401-091		
C-5560s	?	**Calbuco** (Chile-S)	1508-02=		
T-5560?	?	**Katla** (Iceland-S)	1702-03=		
M-5550?	?	**Stromboli** (Italy)	0101-04=	0	
T-5550?	?	**Okataina [Edgecumbe]** (New Zeal)	0401-05=	0	
T-5550 *	?	**Ruapehu** (New Zealand)	0401-10=		
G-5550z	?	**Nasu** (Honshu-Japan)	0803-15=	3	7/7
G-5550?	?	**Towada** (Honshu-Japan)	0803-271	3?	-/8
T-5550?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-5550z	?	**Usu** (Hokkaido-Japan)	0805-03=		
G-5550v	?	**Mashu** (Hokkaido-Japan)	0805-081	**6**	-/0
C-5550u	?	**Tao-Rusyr Caldera** (Kuril Is)	0900-31=	**6**	**-/10**
T-5550?	?	**Nemo Peak** (Kuril Is)	0900-32=		
G-5550?	?	**Rainier** (US-Washington)	1201-03-	2	-/6
T-5550?	?	**Crater Lake** (US-Oregon)	1202-16-	0	**9/-**
T-5550 *	?	**Golden Trout Creek** (US-California)	1203-17-		
C-5550z	?	**Imbabura** (Ecuador)	1502-004		
A-5550 *	?	**Palei-Aike Volc Field** (Chile-S)	1508-08-		
T-5550z	?	**Hengill** (Iceland-SW)	1701-05=	0	7/-
T-5550?	?	**Katla** (Iceland-S)	1702-03=		**9/-**
T-5550 *	?	**Tenerife** (Canary Is)	1803-03-		
I-5550?	?	**Takahe** (Antarctica)	1900-027		
C-5540x	?	**Fuji** (Honshu-Japan)	0803-03=		
I-5521w	?	***Unknown Source*** *(GISP2, 129 ppb S)*			
G-5500?	?	**Zao** (Honshu-Japan)	0803-19=		
T-5500?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T-5500?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-5500z	?	**Akademia Nauk** (Kamchatka)	1000-125	3?	
T-5500?	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	**-/9**
G-5500q	?	**Khangar** (Kamchatka)	1000-272		
G-5500?	?	**Santa Isabel** (Colombia)	1501-021		
G-5500x	?	**Pelée** (W Indies)	1600-12=	P	
C-5490 l	?	**Taapaca** (Chile-N)	1505-011		
C-5470w	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	**9/-**
T-5470?	?	**Katla** (Iceland-S)	1702-03=		
T-5460?	?	**Katla** (Iceland-S)	1702-03=		
T-5450u	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-5450?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-5450?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T-5450?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-5450?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-5450?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-5450?	?	**Tolbachik** (Kamchatka)	1000-24=		
G-5410u	?	**Chimborazo** (Ecuador)	1502-071		
C-5400?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
G-5400x	?	**Azuma** (Honshu-Japan)	0803-18=	1	-/5
T-5400?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-5400?	?	**Ichinsky** (Kamchatka)	1000-28=	**5**	**9/9**
G-5390u	?	**Misti, El** (Perú)	1504-01=		
T-5360?	?	**Katla** (Iceland-S)	1702-03=		
U-5350x	?	**Damavand** (Iran)	0302-01-	0	
T-5350?	?	**Hachimantai** (Honshu-Japan)	0803-25=		
T-5350?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-5350?	?	**Rainier** (US-Washington)	1201-03-	3	-/7
C-5350?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-5350x	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
V-5320?	?	**Nemrut Dagi** (Turkey)	0103-02=		

Dave Wieprecht (USGS/CVO)

Wizard Island, a post-caldera cone rising about 200 m above the surface of Crater Lake in the Oregon Cascade Range, erupted some 300 years after formation of the caldera about 6850 years ago. Llao Rock, the prominent peak on the caldera rim, is a massive, 350-m-thick lava flow erupted about 150 years prior to formation of Crater Lake caldera and is capped by light-colored deposits from the caldera-forming eruption.

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
C-5310 v	?	**Bolshoi-Kekuknaysky** (Kamchatka)	1000-36-	3	7/7
C-5310 v	?	**Tolima, Nevado del** (Colombia)	1501-03=		
T-5300 ?	?	**Gorely** (Kamchatka)	1000-07=	2	
C-5290 <	?	**Newer Volcanics Prov** (Australia)	0509-01-		
C-5290 x	?	**Llaima** (Chile-C)	1507-11=		
C-5290 w	?	**Krisuvik** (Iceland-SW)	1701-03=	2	8/-
I-5278 w	?	***Unknown Source*** *(GISP2 404. 667 ppb S)*	. . . . .		
C-5260 *	?	**Tengger Caldera** (Java)	0603-31=		
G-5260 w	?	**Newberry** (US-Oregon)	1202-11-	0	6/-
N-5250 z	?	**Meidob Volc Field** (Africa-N)	0205-05-		
T-5250 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-5250 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-5250 *	?	**Aniakchak** (Alaska Peninsula)	1102-09-	6?	-/10
T-5250 ?	?	**Crater Lake** (US-Oregon)	1202-16-		
C-5250 ?	?	**Socompa** (Chile-N)	1505-109		
T-5250 ?	?	**Tenerife** (Canary Is)	1803-03-		7/-
V-5242 u	?	**Nemrut Dagi** (Turkey)	0103-02=		
G-5230 v	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-5230 x	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
T-5230 ?	?	**Katla** (Iceland-S)	1702-03=		
C-5220 v	?	**Nazko** (Canada)	1200-14-		
G-5200 ?	?	**Ksudach** (Kamchatka)	1000-05=	5?	-/9
T-5180 ?	?	**Katla** (Iceland-S)	1702-03=		
G-5160 x	?	**Tolima, Nevado del** (Colombia)	1501-03=		
V-5152 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-5150 w	?	**Etna** (Italy)	0101-06=		
N-5150 *	?	**Tavui** (New Britain-SW Pac)	0502-15-	5	-/9
T-5150 ?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T-5150 z	?	**Adams** (US-Washington)	1201-04-	2	
C-5150 w	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
C-5150 ?	?	**Popocatépetl** (Mexico)	1401-09=	P	
E-5150 *	?	**Láscar** (Chile-N)	1505-10=	0	
G-5150 ?	?	**Hekla** (Iceland-S)	1702-07=	5	-/9
C-5120 t	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C-5110 v	?	**Spurr** (Alaska-SW)	1103-04-		
G-5100 ?	?	**Taupo** (New Zealand)	0401-07=	3	7/7
U-5100 *	?	**Seguam** (Aleutian Is)	1101-18-	0	7/-
V-5085 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-5080 u	?	**Planchón-Peteroa** (Chile-C)	1507-04=	3	-/7
G-5080 w	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	5	-/9
C-5070 x	?	**Fuji** (Honshu-Japan)	0803-03=		
G-5070 w	?	**Newberry** (US-Oregon)	1202-11-	3	8/7
T-5070 ?	?	**Katla** (Iceland-S)	1702-03=		
G-5060 x	?	**Mayor Island** (New Zealand)	0401-021	5	-/9
G-5060 w	?	**Arenal** (Costa Rica)	1405-033	4?	
M-5050 ?	?	**Stromboli** (Italy)	0101-04=	0	
R-5050 *	?	**Silali** (Africa-E)	0202-052		
C-5050 ?	?	**Hargy** (New Britain-SW Pac)	0502-10=		
T-5050 ?	?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=		
T-5050 ?	?	**Bandai** (Honshu-Japan)	0803-16=		
T-5050 ?	?	**Mikura-jima** (Izu Is-Japan)	0804-041		
T-5050 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	3	-/7
T-5050 ?	?	**Koryaksky** (Kamchatka)	1000-09=		
T-5050 ?	?	**Zhupanovsky** (Kamchatka)	1000-12=		
G-5050 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-5050 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-5050 ?	?	**Bezymianny** (Kamchatka)	1000-25=		
T-5050 ?	?	**Piip** (Kamchatka-E of)	1000-271		
C-5050 ?	?	**Iliamna** (Alaska-SW)	1103-02-	P	
G-5050 ?	?	**Rainier** (US-Washington)	1201-03-	3	-/7
K-5050 *	?	**Loihi** (Hawaiian Is)	1302-00-	0	
K-5050 *	?	**Adams Seamount** (Pacific-C)	1303-05-	0	
U-5050 *	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
T-5050 ?	?	**Miravalles** (Costa Rica)	1405-03=		
T-5050 *	?	**Caburgua-Huelemolle** (Chile-C)	1507-112		
T-5050 *	?	**Torfajökull** (Iceland-S)	1702-05=		8/-
T-5050 *	?	**Hekla** (Iceland-S)	1702-07=		
C-5040 v	?	**Reykjanes** (Iceland-SW)	1701-02=	0	
T-5040 ?	?	**Katla** (Iceland-S)	1702-03=		
T-5020 *	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	3	-/7
T-5020 ?	?	**Katla** (Iceland-S)	1702-03=		
C-5010 t	?	**Mentolat** (Chile-S)	1508-054		
C-5000 ?	?	**Haku-san** (Honshu-Japan)	0803-05=		
T-5000 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-5000 ?	?	**Hengill** (Iceland-SW)	1701-05=		9/-
T-5000 ?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		10/-
T-5000 *	?	**Kverkfjöll** (Iceland-NE)	1703-05=		9/-
I-4988 w	?	***Unknown Source*** *(GISP2, 93 ppb S)*	. . . . .		
G-4960 v	?	**Newberry** (US-Oregon)	1202-11-		5/-
C-4960 x	?	**Colima** (Mexico)	1401-04=		
C-4960 w	?	**Hudson, Cerro** (Chile-S)	1508-057		
T-4950 ?	?	**Gorely** (Kamchatka)	1000-07=	2	
T-4950 *	?	**Hekla** (Iceland-S)	1702-07=		
C-4940 w	?	**Hood** (US-Oregon)	1202-01-	2	
V-4938 u	?	**Nemrut Dagi** (Turkey)	0103-02=		
T-4920 z	?	**Oshima** (Izu Is-Japan)	0804-01=		
C-4920 v	?	**Corcovado** (Chile-S)	1508-05=		

START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-4900 v	?	**Iwate** (Honshu-Japan)	0803-24=		
T-4900 ?	?	**Niseko** (Hokkaido-Japan)	0805-031		
G-4900 ?	?	**Ksudach** (Kamchatka)	1000-05=	5+	-/9
T-4900 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-4900 t	?	**La Palma** (Canary Is)	1803-01-		
C-4890 u	?	**Longavi, Nevado de** (Chile-C)	1507-063		
T-4880 ?	?	**Katla** (Iceland-S)	1702-03=		
G-4860 w	?	**Newberry** (US-Oregon)	1202-11-	0	6/-
C-4850 y	?	**Lamington** (New Guinea)	0503-01=		
G-4850 t	?	**Iwate** (Honshu-Japan)	0803-24=		
C-4850 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
G-4850 ?	?	**Rainier** (US-Washington)	1201-03-	2	-/6
T-4850 *	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T-4850 *	?	**Torfajökull** (Iceland-S)	1702-05=		7/-
V-4849 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
U-4840 ?	?	**North Gorda Ridge** (Pacific-NE)	1301-031	0	
T-4810 ?	?	**Katla** (Iceland-S)	1702-03=		
I-4803 w	?	***Unknown Source*** *(GISP2, 141 ppb S)*	. . . . .		
M-4800 y	?	**Stromboli** (Italy)	0101-04=	2?	
G-4800 v	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-4800 ?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
G-4800 ?	?	**Santa Isabel** (Colombia)	1501-021		
C-4800 ?	?	**Pululagua** (Ecuador)	1502-011		
T-4800 ?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		9/-
C-4790 ?	?	**Hierro** (Canary Is)	1803-02-		
G-4770 u	?	**Newberry** (US-Oregon)	1202-11-		7/-
C-4760 s	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-4750 y	?	**Myoko** (Honshu-Japan)	0803-10=	5?	-/9
T-4750 ?	?	**Ksudach** (Kamchatka)	1000-05=		8/-
T-4750 ?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
C-4750 ?	?	**Hudson, Cerro** (Chile-S)	1508-057	6	-/10
T-4750 ?	?	**Katla** (Iceland-S)	1702-03=		
T-4750 *	?	**Hekla** (Iceland-S)	1702-07=		
G-4740 x	?	**Tacaná** (Mexico)	1401-13=		
C-4740 ?	?	**Plat Pays, Morne** (W Indies)	1600-11=		
T-4730 z	?	**Fuji** (Honshu-Japan)	0803-03=		
G-4700 ?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
T-4700 z	?	**Asama** (Honshu-Japan)	0803-11=		
T-4700 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-4700 ?	?	**Gorely** (Kamchatka)	1000-07=	2	
G-4700 w	?	**Kanaga** (Aleutian Is)	1101-11-		
C-4700 y	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
G-4690 u	?	**Merapi** (Java)	0603-25=		
G-4690 w	?	**Newberry** (US-Oregon)	1202-11-	0	7/-
C-4690 y	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	-/7
G-4690 x	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
I-4689 w	?	***Unknown Source*** *(GISP2, 310 ppb S)*	. . . . .		
T-4660 ?	?	**Katla** (Iceland-S)	1702-03=		
T-4650 ?	?	**Bandai** (Honshu-Japan)	0803-16=		
T-4650 ?	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	5	-/9
T-4650 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-4650 ?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G-4650 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-4650 ?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T-4650 z	?	**Hekla** (Iceland-S)	1702-07=		
T-4650 ?	?	**Tenerife** (Canary Is)	1803-03-		
C-4620 u	?	**Taapaca** (Chile-N)	1505-011		
V-4615 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
T-4610 ?	?	**Katla** (Iceland-S)	1702-03=		
G-4600 t	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	5	-/9
T-4600 ?	?	**Gorely** (Kamchatka)	1000-07=	2	
C-4600 v	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	9/-
T-4600 ?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		9/-
I-4596 w	?	***Unknown Source*** *(GISP2, 257 ppb S)*	. . . . .		
G-4570 ?	?	**Takahara** (Honshu-Japan)	0803-143	4?	8/7
C-4570 <	?	**Furnas** (Azores)	1802-10=		
I-4564 w	?	***Unknown Source*** *(GISP2, 132 ppb S)*	. . . . .		
M-4550 ?	?	**Stromboli** (Italy)	0101-04=	0	
T-4550 *	?	**Azuma** (Honshu-Japan)	0803-18=		
T-4550 *	?	**To-shima** (Izu Is-Japan)	0804-011	0	
C-4550 z	?	**Akan** (Hokkaido-Japan)	0805-07=		
T-4550 ?	?	**Golovnin** (Kuril Is)	0900-01=		
C-4550 ?	?	**Koshelev** (Kamchatka)	1000-02=		
C-4550 ?	?	**Ilyinsky** (Kamchatka)	1000-03=		
T-4550 ?	?	**Ksudach** (Kamchatka)	1000-05=	3	
T-4550 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-4550 x	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-4550 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
C-4550 ?	?	**Cherpuk Group** (Kamchatka)	1000-273		9/-
T-4550 y	?	**Redoubt** (Alaska-SW)	1103-03-		
G-4550 ?	?	**Baker** (US-Washington)	1201-01=	3?	-/7
T-4550 ?	?	**Adams** (US-Washington)	1201-04-	2	8/-
T-4550 *	?	**Snaefellsjökull** (Iceland-W)	1700-01=	2	
T-4550 z	?	**Vestmannaeyjar** (Iceland-S)	1702-01=		
T-4550 z	?	**Torfajökull** (Iceland-S)	1702-05=		7/-
T-4550 z	?	**Hekla** (Iceland-S)	1702-07=		
T-4550 z	?	**Grimsvötn** (Iceland-NE)	1703-01=	0	

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START YEAR M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-4550?	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=		
C-4550 v	?	**Agua de Pau** (Azores)	1802-09=		
E-4550 z	?	**Erebus** (Antarctica)	1900-02=	0	
G-4530?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-4510 y	?	**Porak** (Armenia)	0104-09-		
G-4510 z	?	**Pelée** (W Indies)	1600-12=		
T-4500 w	?	**Komaga-take** (Hokkaido-Japan)	0805-02=		
T-4500?	?	**Gorely** (Kamchatka)	1000-07=	2	
G-4500 l	?	**Maly Semiachik** (Kamchatka)	1000-14=		
V-4500 t	?	**Jefferson [Forked Butte]** (US-Ore)	1202-02-		
C-4500 x	?	**Colima** (México)	1401-04=		
T-4500?	?	**Grimsnes** (Iceland-SW)	1701-06=	0	
G-4500 l	?	**Madeira** (Azores)	1802-12-		
T-4490 z	?	**Kuju** (Kyushu-Japan)	0802-12=		8/-
G-4460 v	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-4460?	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
T-4450 z	?	**Iwate** (Honshu-Japan)	0803-24=	0	
T-4450?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-4450?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
G-4450?	?	**Bolshoi Semiachik** (Kamchatka)	1000-15=		
G-4450?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-4450?	?	**Kizimen** (Kamchatka)	1000-23=	4	-/8
H-4450?	?	**Newberry** (US-Oregon)	1202-11-		7/-
T-4450?	?	**Arenal** (Costa Rica)	1405-033		
C-4450?	?	**Quimsachata** (Perú)	1504-00-		
R-4450 *	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
T-4450?	?	**Grímsnes** (Iceland-SW)	1701-06=	2?	
I-4447 w	?	***Unknown Source*** *(GISP2, 159 ppb S)*	. . . . .		
G-4430 y	?	**Colima** (México)	1401-04=		
T-4430?	?	**Katla** (Iceland-S)	1702-03=		
I-4411 w	?	***Unknown Source*** *(GISP2, 183 ppb S)*	. . . . .		
C-4410 v	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
G-4400>	?	**Narugo** (Honshu-Japan)	0803-20=		
T-4400?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-4400?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-4400 y	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-4400?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		9/-
C-4390 v	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
D-4375?	?	***Unknown Source*** *(Belfast tree-ring)*	. . . . .		
T-4370?	?	**Katla** (Iceland-S)	1702-03=		
C-4360 x	?	**Macauley Island** (Kermadec Is)	0402-021	6?	-/10
C-4350?	?	**Kikai** (Ryukyu Is)	0802-06=	7	-/11
C-4350?	?	**Kirishima** (Kyushu-Japan)	0802-09=	4	-/8
T-4350 *	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
T-4350 z	?	**Iwate** (Honshu-Japan)	0803-24=		
T-4350?	?	**Nii-jima** (Izu Is-Japan)	0804-02=		
G-4350?	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	P	
T-4350?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G-4350?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-4350 u	?	**Cotopaxi** (Ecuador)	1502-05=	5	-/9
T-4350 *	?	**Hekla** (Iceland-S)	1702-07=		
G-4340 u	?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
V-4321?	?	**Nemrut Dagi** (Turkey)	0103-02=		
E-4320 *	?	**Parinacota** (Chile-N)	1505-012		
T-4300?	?	**Myoko** (Honshu-Japan)	0803-10=		
T-4300 *	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
T-4300 w	?	**Gorely** (Kamchatka)	1000-07=	0	
C-4300 w	?	**Calbuco** (Chile-S)	1508-02=		
C-4280 w	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/9
T-4280?	?	**Katla** (Iceland-S)	1702-03=		
C-4270 w	?	**Grimsnes** (Iceland-SW)	1701-06=	3	9/7
G-4270 x	?	**Vestmannaeyjar [Heimaey]**	1702-01=	3	
M-4250?	?	**Stromboli** (Italy)	0101-04=	2?	
T-4250?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-4250?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-4250?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-4250?	?	**Gorny Institute** (Kamchatka)	1000-55-	0	
T-4250?	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	8/-
C-4250?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-4250 u	?	**Chichinautzin [Tláloc]** (México)	1401-08=	3?	9/7
T-4250 z	?	**Hekla** (Iceland-S)	1702-07=		
T-4240?	?	**Katla** (Iceland-S)	1702-03=		
G-4230 x	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
T-4210?	?	**Katla** (Iceland-S)	1702-03=		
G-4200 v	?	**Asama** (Honshu-Japan)	0803-11=		
T-4200?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-4200?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		9/-
G-4200 v	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-4160 r	?	**Apoyeque** (Nicaragua)	1404-091	5	-/9
C-4150 w	?	**Etna** (Italy)	0101-06=		
T-4150 *	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	
C-4150?	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
G-4150 x	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=		
G-4150 z	?	**Azuma** (Honshu-Japan)	0803-18=	3	8/7
G-4150 x	?	**Zao** (Honshu-Japan)	0803-19=		
G-4150?	?	**Towada** (Honshu-Japan)	0803-271	5+	-/9
T-4150?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
G-4150?	?	**Karymsky** (Kamchatka)	1000-13=		
C-4150?	?	**Akutan** (Aleutian Is)	1101-32-		
T-4150 *	?	**Hekla** (Iceland-S)	1702-07=		
G-4130 w	?	**Chimborazo** (Ecuador)	1502-071		
T-4120 y	?	**Fuji** (Honshu-Japan)	0803-03=		
G-4110 v	?	**Colima** (Mexico)	1401-04=		
G-4100?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
G-4100 s	?	**Tatun Group** (Taiwan)	0801-032	1?	
G-4100 v	?	**Mikura-jima** (Izu Is-Japan)	0804-041		7/-
T-4100?	?	**Ksudach** (Kamchatka)	1000-05=	3	
C-4090 v	?	**Leonard Range** (Mindanao-Philippines)	0701-031		
C-4070 t	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	9/-
C-4060 w	?	**Kaguyak** (Alaska Peninsula)	1102-25-		
T-4060?	?	**Katla** (Iceland-S)	1702-03=		
V-4055 t	?	**Nemrut Dagi** (Turkey)	0103-02=		
C-4050?	?	**Stromboli** (Italy)	0101-04=	3?	
T-4050?	?	**Olkaria** (Africa-E)	0202-09=		
F-4050 *	?	**Unzen** (Kyushu-Japan)	0802-10=		
T-4050?	?	**Iwaki** (Honshu-Japan)	0803-27=		
T-4050?	?	**Koshelev** (Kamchatka)	1000-02=		
T-4050?	?	**Yavinsky** (Kamchatka)	1000-021		
T-4050?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-4050?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-4050?	?	**Kizimen** (Kamchatka)	1000-23=	2	-/6
U-4050 *	?	**Seguam** (Aleutian Is)	1101-18-	0	
T-4050?	?	**Spurr** (Alaska-SW)	1103-04-		
T-4050 z	?	**Adams** (US-Washington)	1201-04-	2	
C-4050?	?	**Shasta** (US-California)	1203-01-		
H-4050?	?	**Inyo Craters** (US-California)	1203-13-		7/-
A-4050?	?	**Ubehebe Craters** (US-California)	1203-16-		
K-4050 *	?	**Adams Seamount** (Pacific-C)	1303-05-	0	
U-4050 *	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
T-4050?	?	**Masaya** (Nicaragua)	1404-10=	6	-/10
T-4050 *	?	**Snaefellsjökull** (Iceland-W)	1700-01=	0	
T-4050?	?	**Grimsnes** (Iceland-SW)	1701-06=	0	
T-4050 z	?	**Hekla** (Iceland-S)	1702-07=		
T-4050 *	?	**Fremrinamur** (Iceland-NE)	1703-07=		9/-
T-4050?	?	**Krafla** (Iceland-NE)	1703-08=	0	
K-4050 *	?	**La Palma** (Canary Is)	1803-01-		
E-4050 z	?	**Erebus** (Antarctica)	1900-02=	0	
C-4040 w	?	**Chaine des Puys** (France)	0100-02-		-/7
C-4040?	?	**Picos Volc System** (Azores)	1802-081		
I-4037 v	?	***Unknown Source*** *(GISP2 148, 313 ppb S)*	. . . . .		
G-4020 x	?	**Misti, El** (Perú)	1504-01=		
I-4010 v	?	***Unknown Source*** *(GISP2, 133 ppb S)*	. . . . .		
C-4000 t	?	**Kasbek** (Georgia)	0104-02-		
G-4000?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
G-4000 x	?	**Pago** (New Britain-SW Pac)	0502-08=	6?	-/10
T-4000?	?	**Myoko** (Honshu-Japan)	0803-10=		
T-4000 y	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-4000?	?	**Reykjanes** (Iceland-SW)	1701-02=	0	9/-
T-4000?	?	**Grimsnes** (Iceland-SW)	1701-06=	2?	
T-4000?	?	**Fremrinamur** (Iceland-NE)	1703-07=	0	9/-

-4000 (-5950 BP)

START YEAR M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
I-3977 v	?	***Unknown Source*** *(GISP2, 137 ppb S)*	. . . . .		
G-3960 y	?	**Tenerife** (Canary Is)	1803-03-		8/-
T-3950?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
C-3950?	?	**Kliuchevskoi** (Kamchatka)	1000-26=		
G-3950?	?	**Poás** (Costa Rica)	1405-04=		
U-3950 y	?	**Vestmannaeyjar** (Iceland-S)	1702-01=		8/-
T-3950 z	?	**Hekla** (Iceland-S)	1702-07=		
G-3930 v	?	**Pelée** (W Indies)	1600-12=		
T-3930?	?	**Katla** (Iceland-S)	1702-03=		
C-3920 t	?	**Cumbres, Las** (México)	1401-098		
C-3910 x	?	**Tambora** (Lesser Sunda Is)	0604-04=		
I-3905 v	?	***Unknown Source*** *(GISP2, 134 ppb S)*	. . . . .		
G-3900 x	?	**Haku-san** (Honshu-Japan)	0803-05=		
G-3900 v	?	**E-san** (Hokkaido-Japan)	0805-011		
T-3900?	?	**Gorely** (Kamchatka)	1000-07=	2	
T-3900?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
T-3900?	?	**Grimsnes** (Iceland-SW)	1701-06=	0	
C-3890 z	?	**Hudson, Cerro** (Chile-S)	1508-057		
M-3880 x	?	**Ischia** (Italy)	0101-03=		
C-3880 u	?	**Cotopaxi** (Ecuador)	1502-05=	5+	-/9
T-3850?	?	**Bandai** (Honshu-Japan)	0803-16=		
G-3850 x	?	**Zao** (Honshu-Japan)	0803-19=		
G-3850?	?	**Akademia Nauk** (Kamchatka)	1000-125		
R-3850 *	?	**Koniuji** (Aleutian Is)	1101-14-		
C-3850?	?	**Kaguyak** (Alaska Peninsula)	1102-25-	5	-/9
G-3850 x	?	**Rainier** (US-Washington)	1201-03-		
H-3850 *	?	**Mono Craters** (US-California)	1203-12-		
C-3820?	?	**Pelée** (W Indies)	1600-12=	P	
C-3810 u	?	**Edgecumbe** (Alaska-E)	1105-04-		
T-3810?	?	**Katla** (Iceland-S)	1702-03=		
T-3800 *	?	**Adams** (US-Washington)	1201-04-	1?	8/-

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-3800w	?	**Machín** (Colombia)	1501-04=		
T-3800y	?	**Reykjanes** (Iceland-SW)	1701-02=		
G-3790v	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-3790z	?	**Minchinmávida** (Chile-S)	1508-04=		
T-3790?	?	**Katla** (Iceland-S)	1702-03=		
G-3780z	?	**Kuju** (Kyushu-Japan)	0802-12=	4	8/8
G-3750?	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	-/6
T-3750v	?	**Iwate** (Honshu-Japan)	0803-24=		
T-3750?	?	**Oshima** (Izu Is-Japan)	0804-01=		
G-3750?	?	**Moffett** (Aleutian Is)	1101-111		
C-3750?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G-3750?	?	**Hengill** (Iceland-SW)	1701-05=	2	8/-
T-3750?	?	**Grímsnes** (Iceland-SW)	1701-06=	0	
T-3750*	?	**Hekla** (Iceland-S)	1702-07=		
T-3750?	?	**Tenerife** (Canary Is)	1803-03-		
C-3740?	?	**Chachimbiro** (Ecuador)	1502-002		
G-3740j	?	**Burney, Monte** (Chile-S)	1508-07=		
C-3730?	?	**Villarrica** (Chile-C)	1507-12=		
T-3720?	?	**Katla** (Iceland-S)	1702-03=		
G-3700v	?	**Hakone** (Honshu-Japan)	0803-02=	1	8/5
T-3700?	?	**Myoko** (Honshu-Japan)	0803-10=		
T-3700?	?	**Avachinsky** (Kamchatka)	1000-10=		
C-3690v	?	**Fuji** (Honshu-Japan)	0803-03=		
C-3680x	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
T-3670?	?	**Katla** (Iceland-S)	1702-03=		
C-3660z	?	**Chillán, Nevados de** (Chile-C)	1507-07=		
T-3650?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-3650?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-3650?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T-3650*	?	**Makushin** (Aleutian Is)	1101-31-	P	
G-3650?	?	**Rainier** (US-Washington)	1201-03-	3	-/7
T-3650?	?	**Grímsnes** (Iceland-SW)	1701-06=	0	
C-3640y	?	**Pantelleria** (Italy)	0101-071		
T-3640?	?	**Katla** (Iceland-S)	1702-03=		
C-3610t	?	**Aso** (Kyushu-Japan)	0802-11=		
G-3600z	?	**Calatrava Volc Field** (Spain)	0100-04-		
G-3600x	?	**Colima** (Mexico)	1401-04=		
G-3580y	?	**Ischia** (Italy)	0101-03=		
G-3580t	?	**Okataina [Haroharo]** (New Zeal)	0401-05=	5	9/9
G-3580x	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-3580x	?	**Taal** (Luzon-Philippines)	0703-07=	6	-/10
C-3580v	?	**Gorely** (Kamchatka)	1000-07=	2?	
K-3550*	?	**Vulcano** (Italy)	0101-05=	0	6/-
G-3550?	?	**Pinatubo** (Luzon-Philippines)	0703-083	6	-/10
T-3550?	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	-/7
G-3550t	?	**Sanbe** (Honshu-Japan)	0803-002		
T-3550z	?	**Haku-san** (Honshu-Japan)	0803-05=		
T-3550?	?	**Yotei** (Hokkaido-Japan)	0805-032		
C-3550z	?	**Akan** (Hokkaido-Japan)	0805-07=	3	-/7
T-3550?	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
G-3550s	?	**Mashu** (Hokkaido-Japan)	0805-081	4	-/8
T-3550?	?	**Gorely** (Kamchatka)	1000-07=	0	
T-3550>	?	**Barkhatnaya Sopka** (Kamchatka)	1000-084		
G-3550?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
C-3550?	?	**Nylgimelkin** (Kamchatka)	1000-65-		
C-3550?	?	**Jingbo** (China-E)	1005-04-		
C-3550?	?	**Glacier Peak** (US-Washington)	1201-02-		
T-3550?	?	**Adams** (US-Washington)	1201-04-	2	
G-3550?	?	**Santa Isabel** (Colombia)	1501-021		
T-3550?	?	**Hveravellir** (Iceland-SW)	1701-08=	0	8/-
T-3550z	?	**Grímsvötn** (Iceland-NE)	1703-01=	0	8/-
I-3541v	?	*Unknown Source (GISP2. 97 ppb S)*	.....		
T-3540*	?	**Kurikoma** (Honshu-Japan)	0803-21=		
G-3540w	?	**Tenerife** (Canary Is)	1803-03-		8/-
I-3518v	?	*Unknown Source (GISP2. 174 ppb S)*	.....		
C-3510w	?	**Etna** (Italy)	0101-06=		
G-3510x	?	**Colima** (México)	1401-04=		
G-3510w	?	**Misti, El** (Perú)	1504-01=		
T-3510?	?	**Katla** (Iceland-S)	1702-03=		
C-3500?	?	**Acigöl-Nevsehir** (Turkey)	0103-004		
T-3500?	?	**Opala** (Kamchatka)	1000-08=		
T-3500?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-3500t	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G-3500?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-3500y	?	**Tolima, Nevado del** (Colombia)	1501-03=		
C-3500?	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T-3500x	?	**Pelée** (W Indies)	1600-12=	P	
T-3500?	?	**Grímsnes** (Iceland-SW)	1701-06=	2?	
U-3490?	?	**Endeavour Ridge** (Pacific-NE)	1301-01-	0	
C-3490v	?	**Atacazo** (Ecuador)	1502-021	P	
C-3490s	?	**Sabancaya** (Perú)	1504-006	0	
G-3480w	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
T-3480?	?	**Katla** (Iceland-S)	1702-03=		
T-3450?	?	**Myoko** (Honshu-Japan)	0803-10=		
C-3450?	?	**Asama** (Honshu-Japan)	0803-11=	3	
T-3450?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G-3450?	?	**Karymsky** (Kamchatka)	1000-13=		8/-
C-3450?	?	**Spokoiny** (Kamchatka)	1000-671		
C-3450w	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
T-3450*	?	**Hekla** (Iceland-S)	1702-07=		
T-3450?	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-3440t	?	**San Martin** (México)	1401-11=		
G-3430u	?	**Pelée** (W Indies)	1600-12=	4?	-/8
G-3420?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
G-3400?	?	**Numazawa** (Honshu-Japan)	0803-151	5	-/9
T-3400?	?	**Avachinsky** (Kamchatka)	1000-10=		
C-3390t	?	**Etna** (Italy)	0101-06=		
T-3390?	?	**Katla** (Iceland-S)	1702-03=		
C-3370w	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
T-3370?	?	**Katla** (Iceland-S)	1702-03=		
G-3350t	?	**Zao** (Honshu-Japan)	0803-19=		
T-3350*	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
C-3350?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G-3350y	?	**Colima** (Mexico)	1401-04=		
T-3350?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
T-3350?	?	**Prestahnukur** (Iceland-SW)	1701-07=	0	8/-
T-3350*	?	**Hekla** (Iceland-S)	1702-07=		
G-3310w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
G-3300?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C-3290?	?	**Pelée** (W Indies)	1600-12=		
T-3280z	?	**Cotopaxi** (Ecuador)	1502-05=	5	8/9
T-3280?	?	**Katla** (Iceland-S)	1702-03=		
T-3270?	?	**Colima** (México)	1401-04=		
T-3250?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C-3250u	?	**Kikai** (Ryukyu Is)	0802-06=		
T-3250z	?	**Iwate** (Honshu-Japan)	0803-24=	0	
G-3250?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
C-3250?	?	**Spurr** (Alaska-SW)	1103-04-		
T-3250y	?	**Adams** (US-Washington)	1201-04-	2	
C-3250w	?	**Hell's Half Acre** (US-Idaho)	1204-04-	0	
E-3250z	?	**Carrizozo** (US-New Mexico)	1210-01-		9/-
C-3250?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
R-3250*	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
C-3250?	?	**Pelée** (W Indies)	1600-12=		
G-3250?	?	**Hengill** (Iceland-SW)	1701-05=	0	9/-
C-3250?	?	**Deception Island** (Antarctica)	1900-03=		
I-3201v	?	*Unknown Source (GISP2. 175 ppb S)*	.....		
G-3200w	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T-3200*	?	**Tate-yama** (Honshu-Japan)	0803-08=		
G-3200u	?	**Daisetsu** (Hokkaido-Japan)	0805-06=		
G-3200w	?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
G-3200?	?	**Karymsky** (Kamchatka)	1000-13=	4	8/8
T-3200?	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
D-3195?	?	*Unknown Source (Belfast tree-ring)*	.....		
C-3190v	?	**Arenal** (Costa Rica)	1405-033		
G-3180v	?	**Colima** (Mexico)	1401-04=		
T-3180?	?	**Katla** (Iceland-S)	1702-03=		
G-3170x	?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-3170u	?	**Fisher** (Aleutian Is)	1101-35-	5	-/9
C-3150?	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
C-3150?	?	**Glacier Peak** (US-Washington)	1201-02-		
G-3150x	?	**Galeras** (Colombia)	1501-08=	3	-/6
T-3120?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
G-3120x	?	**Pelée** (W Indies)	1600-12=		
T-3110z	?	**Kuju** (Kyushu-Japan)	0802-12=		8/-
C-3100y	?	**Mayon** (Luzon-Philippines)	0703-03=		
C-3090z	?	**Socorro** (México-Is)	1401-021		
G-3070?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-3070s	?	**Haleakala** (Hawaiian Is)	1302-06-		
K-3050*	?	**Ischia** (Italy)	0101-03=		
C-3050w	?	**Etna** (Italy)	0101-06=		
T-3050?	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	
C-3050?	?	**Tambora** (Lesser Sunda Is)	0604-04=		
C-3050?	?	**Bulusan** (Luzon-Philippines)	0703-01=		
C-3050?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	
T-3050?	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	-/7
C-3050?	?	**Fuji** (Honshu-Japan)	0803-03=		
C-3050?	?	**Omanago Group** (Honshu-Japan)	0803-142		
C-3050?	?	**Iwate** (Honshu-Japan)	0803-24=		
N-3050?	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=		
C-3050?	?	**Akan** (Hokkaido-Japan)	0805-07=		
T-3050?	?	**Nemo Peak** (Kuril Is)	0900-32=		
T-3050?	?	**Diky Greben** (Kamchatka)	1000-022		
C-3050?	?	**Zheltovsky** (Kamchatka)	1000-04=	5	-/9
T-3050?	?	**Zhupanovsky** (Kamchatka)	1000-12=		
T-3050?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-3050*	?	**Shasta** (US-California)	1203-01-	0	
T-3050?	?	**Yellowstone** (US-Wyoming)	1205-01-		
U-3050*	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
K-3050*	?	**Zitácuaro-Valle de Bravo** (Mexico)	1401-061	0	
T-3050z	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
C-3050?	?	**Krafla** (Iceland-NE)	1703-08=	0	
T-3050?	?	**Sete Cidades** (Azores)	1802-08=	4	-/8
T-3050?	?	**Tenerife** (Canary Is)	1803-03-		7/-

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
C-3030 t	?	**Colima** (Mexico)	1401-04=		
U-3020 ?	?	**North Gorda Ridge** (Pacific-NE)	1301-031	0	
C-3020 ?	?	**Pelée** (W Indies)	1600-12=		
C-3010 x	?	**Popocatépetl** (Mexico)	1401-09=	P	
T-3000 y	?	**Tskhouk-Karckar** (Armenia)	0104-10-		
T-3000 ?	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	
F-3000 z	?	**Newer Volcanics Prov** (Australia)	0509-01-		
G-3000 t	?	**Azuma** (Honshu-Japan)	0803-18=	1	-/5
T-3000 ?	?	**Ksudach** (Kamchatka)	1000-05=	4	-/8
C-2990 s	?	**Ulreung** (Korea)	1006-03-		
T-2990 z	?	**Villarrica** (Chile-C)	1507-12=	0	
C-2990 ?	?	**Agua de Pau** (Azores)	1802-09=	5	-/9
C-2980 w	?	**Taryatu-Chulutu** (Mongolia)	1003-01-		
C-2970 y	?	**Snaefellsjökull** (Iceland-W)	1700-01=	0	
I-2958 v	?	***Unknown Source*** *(GISP2, 124 ppb S)*	. . . . .		
N-2950 z	?	**Meidob Volc Field** (Africa-N)	0205-05-	0	
G-2950 t	?	**Iwate** (Honshu-Japan)	0803-24=		
T-2950 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-2950 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-2950 v	?	**Adams** (US-Washington)	1201-04-	1?	5/-
C-2950 u	?	**Taapaca** (Chile-N)	1505-011		
T-2950 z	?	**Hekla** (Iceland-S)	1702-07=		
E-2950 y	?	**Erebus** (Antarctica)	1900-02=	0	
T-2920 ?	?	**Katla** (Iceland-S)	1702-03=	3	-/7
G-2910 w	?	**Merapi** (Java)	0603-25=		
G-2900 ?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-2900 w	?	**Newer Volcanics Prov** (Australia)	0509-01-		
C-2900 ?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	
T-2900 ?	?	**Myoko** (Honshu-Japan)	0803-10=		
T-2900 z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	7/8
T-2900 ?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-2900 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-2900 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-2890	?	**Campi Flegrei** (Italy)	0101-01=		
C-2890 u	?	**Redoubt** (Alaska-SW)	1103-03-		
T-2850 y	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-2850 ?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
T-2850 ?	?	**Aso** (Kyushu-Japan)	0802-11=	0	
G-2850 ?	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	2	-/6
C-2850 ?	?	**Ilyinsky** (Kamchatka)	1000-03=	5	-/9
G-2850 ?	?	**Kikhpinych** (Kamchatka)	1000-18=	3	-/7
G-2850 y	?	**Ichinsky** (Kamchatka)	1000-28=		
G-2850 ?	?	**Crater Lake** (US-Oregon)	1202-16-		7/-
C-2850 ?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T-2850 ?	?	**Katla** (Iceland-S)	1702-03=		
T-2850 ?	?	**Tenerife** (Canary Is)	1803-03-		8/-
C-2830 t	?	**Halla** (Korea)	1006-04-		
C-2800 w	?	**Fournaise, Piton de la** (Indian O.)	0303-02=		
T-2800 ?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
T-2800 y	?	**Fuji** (Honshu-Japan)	0803-03=		
G-2800 v	?	**Daisetsu** (Hokkaido-Japan)	0805-06=		
T-2800 °	?	**Mashu** (Hokkaido-Japan)	0805-081	3	-/7
G-2800 v	?	**Colima** (Mexico)	1401-04=		
T-2800 ?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-2790 ?	?	**Davis Lake** (US-Oregon)	1202-10-		
G-2780 q	?	**Kikhpinych** (Kamchatka)	1000-18=	4	8/8
C-2780 u	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
C-2770 u	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-2750 u	?	**Fort Portal** (Africa-C)	0203-001		
G-2750 v	?	**Myoko** (Honshu-Japan)	0803-10=	4	-/8
G-2750 x	?	**Azuma** (Honshu-Japan)	0803-18=		
T-2750 ?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
T-2750 z	?	**Bezymianny** (Kamchatka)	1000-25=		
T-2750 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-2750 ?	?	**Rainier** (US-Washington)	1201-03-	2	-/6
C-2750 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-2750 x	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
C-2750 x	?	**Michoacán [El Metate]** (Mexico)	1401-06=	3	-/7
T-2750 °	?	**Hekla** (Iceland-S)	1702-07=		
C-2750 ?	?	**Deception Island** (Antarctica)	1900-03=		
G-2720 y	?	**Unzen** (Kyushu-Japan)	0802-10=		
C-2710 u	?	**Acatenango** (Guatemala)	1402-08=		
T-2700 °	?	**Ischia** (Italy)	0101-03=		
G-2700 ?	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	5?	-/9
T-2700 ?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-2700 x	?	**Iwate** (Honshu-Japan)	0803-24=		
G-2700 v	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	3	-/7
G-2700 q	?	**Khangar** (Kamchatka)	1000-272		
C-2690 u	?	**Ibusuki [Ikeda-ko]** (Kyushu-Japan)	0802-07=	5	-/9
T-2680 ?	?	**Katla** (Iceland-S)	1702-03=		
G-2670 x	?	**Unnamed** (Syria)	0300-04-		
C-2670 v	?	**Udokan [Aku]** (Russia-SE)	1002-03-		
G-2660 x	?	**Pelée** (W Indies)	1600-12=	4?	-/8
C-2660 u	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	0	9/-
K-2650 °	?	**Vulcano** (Italy)	0101-05=	3	6/7
C-2650 ?	?	**Kirishima** (Kyushu-Japan)	0802-09=	4	
G-2650 x	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
C-2650 ?	?	**Tolmachev Dol** (Kamchatka)	1000-082	4+	-/8
T-2650 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
R-2650 '	?	**Koniuji** (Aleutian Is)	1101-14-		
T-2650 y	?	**Adams** (US-Washington)	1201-04-	2	
C-2650 ?	?	**Machin** (Colombia)	1501-04=		
T-2650 ?	?	**Tenerife** (Canary Is)	1803-03-		5/-
G-2640 z	?	**Unzen** (Kyushu-Japan)	0802-10=		
C-2640 x	?	**Cotopaxi** (Ecuador)	1502-05=	5	-/9
G-2620 y	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-2610 ?	?	**Aguilera** (Chile-S)	1508-062		
G-2600 ?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
G-2600 t	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
G-2600 x	?	**Zao** (Honshu-Japan)	0803-19=		
C-2580 t	?	**Campi Flegrei** (Italy)	0101-01=		
C-2580 s	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-2580 z	?	**Galeras** (Colombia)	1501-08=	2	-/6
C-2560 v	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	9/-
T-2550 ?	?	**Aso** (Kyushu-Japan)	0802-11=	1	-/5
T-2550 ?	?	**Fuji** (Honshu-Japan)	0803-03=		
G-2550 w	?	**Haku-san** (Honshu-Japan)	0803-05=		
T-2550 ?	?	**Yake-dake** (Honshu-Japan)	0803-07=	0	9/-
A-2550 z	?	**Asama** (Honshu-Japan)	0803-11=	4	
T-2550 ?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-2550 z	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	3	-/7
T-2550 z	?	**Amak** (Aleutian Is)	1101-39-		
T-2550 z	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C-2550 ?	?	**Rainier** (US-Washington)	1201-03-	3	-/7
C-2550 ?	?	**Shasta** (US-California)	1203-01-		
C-2550 y	?	**Momotombo** (Nicaragua)	1404-09=		
T-2550 °	?	**Apoyeque** (Nicaragua)	1404-091	5	-/9
C-2550 w	?	**Doña Juana** (Colombia)	1501-07=	C	
C-2550 ?	?	**Cuicocha** (Ecuador)	1502-003		
T-2550 ?	?	**Hveravellir** (Iceland-SW)	1701-08=	0	8/-
C-2540 x	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
T-2540 ?	?	**Katla** (Iceland-S)	1702-03=		
G-2530 y	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-2530 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-2530 s	?	**Terceira** (Azores)	1802-05=		
T-2500 ?	?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
G-2500 ?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
T-2500 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
C-2500 u	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
T-2500 °	?	**Chimborazo** (Ecuador)	1502-071		
G-2490 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-2490 s	?	**Atacazo** (Ecuador)	1502-021	5	-/9
T-2480 ?	?	**Katla** (Iceland-S)	1702-03=		
G-2470 t	?	**Haleakala** (Hawaiian Is)	1302-06-		8/-
C-2460 v	?	**Mauna Kea** (Hawaiian Is)	1302-03-		
G-2460 v	?	**Pelée** (W Indies)	1600-12=		
A-2450 t	?	**Ararat** (Turkey)	0103-04-		
T-2450 y	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-2450 °	?	**Kikai** (Ryukyu Is)	0802-06=		
C-2450 z	?	**Fuji** (Honshu-Japan)	0803-03=		
T-2450 z	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	4	-/8
T-2450 ?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G-2450 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
T-2450 °	?	**Hekla** (Iceland-S)	1702-07=		
C-2440 ?	?	**Campi Flegrei** (Italy)	0101-01=		
G-2440 y	?	**Kuju** (Kyushu-Japan)	0802-12=	4	7/8
C-2440 u	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-2430 ?	?	**Pelée** (W Indies)	1600-12=	P	
G-2420 s	?	**Vesuvius** (Italy)	0101-02=	5	-/9
T-2420 ?	?	**Katla** (Iceland-S)	1702-03=		
C-2410 v	?	**Medicine Lake** (US-California)	1203-02-		7/-
G-2400 ?	?	**Rungwe** (Africa-E)	0202-166	P	
C-2400 s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C-2400 u	?	**Taapaca** (Chile-N)	1505-011		
C-2400 x	?	**Snaefellsjökull** (Iceland-W)	1700-01=	2?	8/-
C-2380 v	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
C-2370 x	?	**Acigöl-Nevsehir** (Turkey)	0103-004		
C-2370 w	?	**Colima** (Mexico)	1401-04=	4?	-/8
C-2370 u	?	**Popocatépetl** (Mexico)	1401-09=		
C-2360 ?	?	**Pelée** (W Indies)	1600-12=		
K-2350 °	?	**Ischia** (Italy)	0101-03=		
C-2350 u	?	**Aso** (Kyushu-Japan)	0802-11=		
G-2350 ?	?	**Karymsky** (Kamchatka)	1000-13=	3	7/7
C-2350 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G-2340 ?	?	**St. Helens** (US-Washington)	1201-05=	5	-/9
T-2330 w	?	**Campi Flegrei** (Italy)	0101-01=	3	
C-2330 v	?	**Etna** (Italy)	0101-06=		
G-2320 v	?	**Burney, Monte** (Chile-S)	1508-07=	5	-/9
C-2310 v	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
G-2310 p	?	**Hekla** (Iceland-S)	1702-07=	5	-/9
G-2300 u	?	**Zao** (Honshu-Japan)	0803-19=		
T-2300 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-2300 w	?	**Kanaga** (Aleutian Is)	1101-11-		
C-2300 u	?	**Orizaba, Pico de** (Mexico)	1401-10=	4	-/8

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-2300?	?	**Fremrinamur** (Iceland-NE)	1703-07=	0	9/-
T-2300?	?	**Tenerife** (Canary Is)	1803-03-		
G-2290y	?	**Sand Mountain Field** (US-Oregon)	1202-04-	2?	
C-2280?	?	**Pelée** (W Indies)	1600-12=		
C-2270t	?	**Mendeleev** (Kuril Is)	0900-02=		
C-2270y	?	**Snaefellsjökull** (Iceland-W)	1700-01=	0	
U-2260?	?	**Escanaba Segment** (Pacific-NE)	1301-04-	0	
C-2260s	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-2250w	?	**Galunggung** (Java)	0603-14=	5?	
G-2250?	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	3	-/7
C-2250?	?	**Diky Greben** (Kamchatka)	1000-022		
T-2250?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
G-2250?	?	**Karymsky** (Kamchatka)	1000-13=	4	7/9
G-2250?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G-2250?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
C-2250?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-2250?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
T-2250	?	**Cotopaxi** (Ecuador)	1502-05=		8/-
C-2250<	?	**Hudson, Cerro** (Chile-S)	1508-057		
T-2250?	?	**Katla** (Iceland-S)	1702-03=		
T-2250?	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-2240?	?	**Shisheika** (Kamchatka)	1000-511		8/-
G-2240*	?	**Chichinautzin [Guespalapa]** (Mex)	1401-08=	3	8/7
G-2240y	?	**Machín** (Colombia)	1501-04=		
C-2240?	?	**Villarrica** (Chile-C)	1507-12=		
G-2230x	?	**Misti, El** (Perú)	1504-01=		
C-2220t	?	**Campi Flegrei** (Italy)	0101-01=		
C-2220v	?	**Edgecumbe** (Alaska-E)	1105-04-		
C-2220v	?	**Cotopaxi** (Ecuador)	1502-05=		
T-2220?	?	**Katla** (Iceland-S)	1702-03=		
C-2210s	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-2210w	?	**Agua de Pau** (Azores)	1802-09=		
T-2200?	?	**Gorely** (Kamchatka)	1000-07=	2	
T-2200?	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
C-2200y	?	**Dotsero** (US-Colorado)	1208-01-	2?	
T-2200z	?	**Kilauea** (Hawaiian Is)	1302-01-		
C-2200w	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T-2190?	?	**Katla** (Iceland-S)	1702-03=		
C-2160v	?	**Changbaishan** (China-E)	1005-06-	P	
T-2160?	?	**Katla** (Iceland-S)	1702-03=		
C-2150z	?	**Campi Flegrei** (Italy)	0101-01=	5	-/9
T-2150?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C-2150?	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
N-2150*	?	**Unzen** (Kyushu-Japan)	0802-10=		
T-2150?	?	**Mutnovsky** (Kamchatka)	1000-06=	3	-/7
T-2150?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
G-2150x	?	**Kanaga** (Aleutian Is)	1101-11-		
C-2150?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-2140?	?	**Villarrica** (Chile-C)	1507-12=		
C-2135t	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
C-2130t	?	**San Martín** (Mexico)	1401-11=		
C-2120v	?	**Fort Portal** (Africa-C)	0203-001		
C-2120t	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-2110v	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
C-2110t	?	**Andahua-Orcopampa** (Perú)	1504-004		
T-2110?	?	**Katla** (Iceland-S)	1702-03=		
G-2100v	?	**Izu-Tobu** (Honshu-Japan)	0803-01=	4	8/8
T-2100z	?	**Myoko** (Honshu-Japan)	0803-10=		
T-2100?	?	**Avachinsky** (Kamchatka)	1000-10=		
G-2100?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T-2100y	?	**St. Helens** (US-Washington)	1201-05-		
G-2100x	?	**Machín** (Colombia)	1501-04=		
G-2100x	?	**Pelée** (W Indies)	1600-12=		
C-2095v	?	**Azufral** (Colombia)	1501-09=		
G-2090u	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T-2080u	?	**Campi Flegrei** (Italy)	0101-01=	2	7/-
A-2080x	?	**Acigöl-Nevsehir** (Turkey)	0103-004		
G-2080?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C-2050?	?	**Mariveles** (Luzon-Philippines)	0703-081		
M-2050?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
C-2050?	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	-/7
T-2050?	?	**Izu-Tobu** (Honshu-Japan)	0803-01=		6/-
C-2050?	?	**Fuji** (Honshu-Japan)	0803-03=		
G-2050x	?	**Iwate** (Honshu-Japan)	0803-24=		
T-2050?	?	**Megata** (Honshu-Japan)	0803-262		
T-2050?	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	5	-/9
C-2050?	?	**Akan** (Hokkaido-Japan)	0805-07=		
G-2050s	?	**Mashu** (Hokkaido-Japan)	0805-081	4	-/8
C-2050?	?	**Ilyinsky** (Kamchatka)	1000-03=		
T-2050?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-2050?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
G-2050?	?	**Karymsky** (Kamchatka)	1000-13=		
T-2050?	?	**Tolbachik** (Kamchatka)	1000-24=	3	8/7
C-2050?	?	**Ostry** (Kamchatka)	1000-68-		
C-2050x	?	**Halla** (Korea)	1006-04-		
C-2050?	?	**Iliamna** (Alaska-SW)	1103-02-	P	
C-2050?	?	**Shasta** (US-California)	1203-01-		
C-2050?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
U-2050*	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
A-2050?	?	**Michoacán [La Alberca]** (México)	1401-06=		
T-2050?	?	**Cotopaxi** (Ecuador)	1502-05=	5	7/9
?-2050?	?	*Soufrière Guadeloupe (W Indies)*	1600-06=		
T-2050?	?	**Ljosufjöll** (Iceland-W)	1700-03=	3?	
G-2050?	?	**Hveravellir** (Iceland-SW)	1701-08=	0	9/-
T-2050?	?	**Katla** (Iceland-S)	1702-03=		
T-2050z	?	**Askja** (Iceland-NE)	1703-06=	0	9/-
T-2050*	?	**Sete Cidades** (Azores)	1802-08=		
R-2050*	?	**Erebus** (Antarctica)	1900-02=	0	
T-2040?	?	**Campi Flegrei** (Italy)	0101-01=	3	-/7
C-2040v	?	**Long Island** (New Guinea-NE of)	0501-05=	6	-/10
C-2040u	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
G-2030v	?	**Chichón, El** (México)	1401-12=	5	-/9
C-2020u	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T-2020?	?	**Katla** (Iceland-S)	1702-03=		
T-2010?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C-2010w	?	**Liamuiga** (W Indies)	1600-03=	P	
C-2010v	?	**Snaefellsjökull** (Iceland-W)	1700-01=		
T-2000w	?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
A-2000*	?	**Dar-Alages** (Armenia)	0104-08-		
G-2000?	?	**Marra, Jebel** (Africa-N)	0205-03-	C	
C-2000v	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
T-2000?	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=		
T-2000*	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
T-2000z	?	**Zao** (Honshu-Japan)	0803-19=		
G-2000?	?	**Iwate** (Honshu-Japan)	0803-24=		
G-2000v	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
T-2000?	?	**Gorely** (Kamchatka)	1000-07=	2	-/6
G-2000?	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-2000?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-2000u	?	**Soufrière Hills** (W Indies)	1600-05=		
T-2000?	?	**Katla** (Iceland-S)	1702-03=		

-2000 (3950 BP)

G-1990w	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
G-1990x	?	**Tolima, Nevado del** (Colombia)	1501-03=	5?	-/9
C-1980t	?	**Etna** (Italy)	0101-06=		
T-1980w	?	**Villarrica** (Chile-C)	1507-12=	0	
G-1980x	?	**Tenerife** (Canary Is)	1803-03-		
C-1950y	?	**Koryaksky** (Kamchatka)	1000-09=		
G-1950y	?	**Ichinsky** (Kamchatka)	1000-28=		
C-1950v	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-1950?	?	**Katla** (Iceland-S)	1702-03=		
T-1950v	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	9/-
C-1940s	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-1940y	?	**Colima** (Mexico)	1401-04=		
C-1920s	?	**Parker** (Mindanao-Philippines)	0701-011	P	
T-1920?	?	**Sanbe** (Honshu-Japan)	0803-002	4	9/8
C-1920t	?	**Calbuco** (Chile-S)	1508-02=		
G-1920?	?	**Katla** (Iceland-S)	1702-03=	4	-/8
T-1910?	?	**Katla** (Iceland-S)	1702-03=		
A-1900*	?	**Ghegam Ridge** (Armenia)	0104-07-	0	
T-1900*	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=		
G-1900y	?	**Kanaga** (Aleutian Is)	1101-11-		
T-1900w	?	**Black Peak** (Alaska Peninsula)	1102-08-	6	-/10
C-1900?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-1900t	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-1890	?	**Merapi** (Java)	0603-25=		
C-1890?	?	**Dana** (Alaska Peninsula)	1102-05-	5	-/9
C-1890u	?	**Colima** (México)	1401-04=		
C-1890u	?	**Popocatépetl** (Mexico)	1401-09=		
G-1890?	?	**Hudson, Cerro** (Chile-S)	1508-057	6	-/10
C-1880w	?	**Michoacán [El Jabalí]** (México)	1401-06=	3	
C-1870t	?	**Campi Flegrei** (Italy)	0101-01=	4	-/9
G-1860?	?	**St. Helens** (US-Washington)	1201-05-	6	-/10
G-1860v	?	**Guagua Pichincha** (Ecuador)	1502-02=		
C-1860v	?	**Taapaca** (Chile-N)	1505-011		
C-1850w	?	**Fuji** (Honshu-Japan)	0803-03=		
T-1850?	?	**Nemo Peak** (Kuril Is)	0900-32=		
T-1850?	?	**Hayes** (Alaska-SW)	1103-05-		
T-1850>	?	**Adams** (US-Washington)	1201-04-	1?	7/-
G-1850?	?	**Haleakala** (Hawaiian Is)	1302-06-		7/-
C-1850?	?	**Azufral** (Colombia)	1501-09=		
T-1850?	?	**Katla** (Iceland-S)	1702-03=		
T-1850*	?	**Hekla** (Iceland-S)	1702-07=		
C-1850z	?	**Agua de Pau** (Azores)	1802-09=	3	6/7
C-1830u	?	**Kikai** (Ryukyu Is)	0802-06=		
C-1830u	?	**Aso** (Kyushu-Japan)	0802-11=		
C-1830y	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
T-1830>	?	**Reclus** (Chile-S)	1508-063		
G-1820w	?	**Rincón de la Vieja** (Costa Rica)	1405-02=	4	-/8
C-1810x	?	**Villarrica** (Chile-C)	1507-12=	5	-/9
G-1810w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
T-1800*	?	**Bandai** (Honshu-Japan)	0803-16=		

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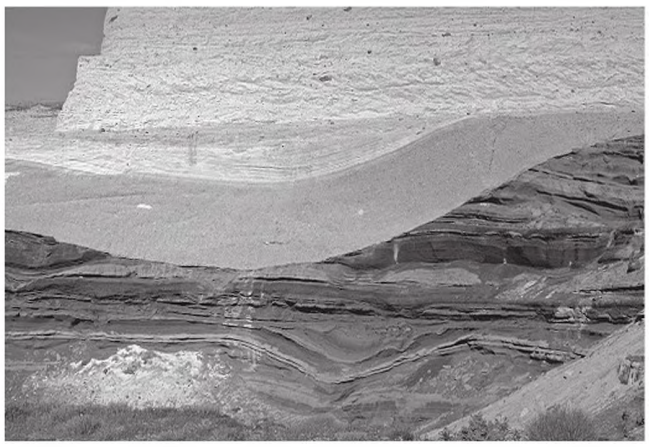
START YEAR M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-1800 t	?	**Azuma** (Honshu-Japan)	0803-18=		
T-1800 t	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
G-1800 v	?	**Aoga-shima** (Izu Is-Japan)	0804-06=	2?	7/-
G-1800 t	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-1800 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-1800 t	?	**Haleakala** (Hawaiian Is)	1302-06-		
T-1800 ?	?	**Cayambe** (Ecuador)	1502-006		
C-1800 v	?	**Watt, Morne** (W Indies)	1600-101		
T-1800 y	?	**Reykjanes** (Iceland-SW)	1701-02=	2	7/-
C-1790 v	?	**Fournaise, Piton de la** (Indian O.)	0303-02=		
G-1790 s	?	**Griggs** (Alaska Peninsula)	1102-19-		
T-1780 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
G-1770 u	?	**Merapi** (Java)	0603-25=		
C-1770 w	?	**Aso** (Kyushu-Japan)	0802-11=		
T-1770 v	?	**St. Helens** (US-Washington)	1201-05-	**5**	**-/9**
G-1770 v	?	**Arenal** (Costa Rica)	1405-033		
G-1750 ?	?	**Okataina [Haroharo]** (New Zeal)	0401-05=	4+	8/8
G-1750 ?	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=		
G-1750 t	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
T-1750 ?	?	**Tolbachik** (Kamchatka)	1000-24=	3	
C-1750 ?	?	**Makushin** (Aleutian Is)	1101-31-		
C-1750 ?	?	**Veniaminof** (Alaska Peninsula)	1102-07-	**6**	**-/10**
C-1750 ?	?	**Martin** (Alaska Peninsula)	1102-14-		
C-1750 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-1750 w	?	**Ljósufjöll** (Iceland-W)	1700-03=	2	
I-1750 z	?	**Hekla** (Iceland-S)	1702-07=		
G-1740 y	?	**Sand Mountain Field** (US-Oregon)	1202-04-	2?	
G-1730 t	?	**Hengill** (Iceland-SW)	1701-05=	0	**9**/-
T-1720 y	?	**Kuju** (Kyushu-Japan)	0802-12=		8/-
C-1710 u	?	**Osorno** (Chile-S)	1508-01=		
C-1700 v	?	**Taranaki [Egmont]** (New Zealand)	0401-03=	**5**	**-/9**
T-1700 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G-1700 t	?	**Aso** (Kyushu-Japan)	0802-11=	**P**	
G-1700 ?	?	**Nipesotsu-Maruyama** (Hokkaido)	0805-061	2	-/6
T-1700 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
T-1700 ?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C-1700 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-1700 ?	?	**Katla** (Iceland-S)	1702-03=		
T-1700 ?	?	**Tenerife** (Canary Is)	1803-03-		7/-
I-1695 u	?	***Unknown Source*** *(GISP2, 213 ppb S)*	.....		
G-1680 ?	?	**St. Helens** (US-Washington)	1201-05-		
C-1680 w	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	**9**/-
T-1670 ?	?	**Katla** (Iceland-S)	1702-03=		
T-1670 *	?	**Furnas** (Azores)	1802-10=		
V-1662 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
T-1650 ?	?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
G-1650 ?	?	**Iwate** (Honshu-Japan)	0803-24=		
G-1650 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-1650 ?	?	**Gamchen** (Kamchatka)	1000-21=		
T-1650 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
T-1650 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-1650 ?	?	**Mageik** (Alaska Peninsula)	1102-15-		
C-1650 ?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C-1650 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-1650 x	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
T-1650 ?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-1650 w	?	**Azufral** (Colombia)	1501-09=		
T-1650 ?	?	**Cayambe** (Ecuador)	1502-006		
T-1650 *	?	**Hekla** (Iceland-S)	1702-07=		
T-1650 ?	?	**Tenerife** (Canary Is)	1803-03-		7/-

START YEAR M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
I-1645 j	?	**Aniakchak** (Alaska Peninsula)	1102-09-	**6**?	**-/10**
T-1640 ?	?	**Katla** (Iceland-S)	1702-03=		
D-1628 ?	?	***Unknown Source*** *(Belfast tree-ring)*	.....		
I-1623 u	?	***Unknown Source*** *(GISP2, 145 ppb S)*	.....		
G-1610 m	?	**Santorini** (Greece)	0102-04=	**7**?	**-/10**
T-1610 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	3	-/7
G-1610 ?	?	**St. Helens** (US-Washington)	1201-05-		
G-1600 ?	?	**Zao** (Honshu-Japan)	0803-19=		
G-1600 ?	?	**Moffett** (Aleutian Is)	1101-111		
C-1600 u	?	**Soufriere St. Vincent** (W Indies)	1600-15=		
C-1580 u	?	**Fuego** (Guatemala)	1402-09=		
C-1580 j	?	**Chacana** (Ecuador)	1502-022		
C-1580 u	?	**Taapaca** (Chile-N)	1505-011		
C-1560 s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-1550 u	?	**Vesuvius** (Italy)	0101-02=	4	-/8
T-1550 *	?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=		
T-1550 ?	?	**Ibusuki [Nabeshima-dake]** (Japan)	0802-07=		
T-1550 *	?	**Adatara** (Honshu-Japan)	0803-17=		
T-1550 *	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
C-1550 ?	?	**Opala** (Kamchatka)	1000-08=		
C-1550 ?	?	**Koryaksky** (Kamchatka)	1000-09=		
T-1550 ?	?	**Bakening** (Kamchatka)	1000-123		
T-1550 ?	?	**Uzon** (Kamchatka)	1000-17=		
T-1550 z	?	**Bezymianny** (Kamchatka)	1000-25=		
C-1550 ?	?	**Severny** (Kamchatka)	1000-70-		
G-1550 v	?	**Kanaga** (Aleutian Is)	1101-11-		
C-1550 w	?	**Redoubt** (Alaska-SW)	1103-03-		
T-1550 ?	?	**Hayes** (Alaska-SW)	1103-05-	**5**	
C-1550 ?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T-1550 z	?	**Torfajökull** (Iceland-S)	1702-05=		7/-
T-1550 ?	?	**Hekla** (Iceland-S)	1702-07=	4	-/8
C-1550 ?	?	**Deception Island** (Antarctica)	1900-03=		
C-1540 w	?	**Jingbo** (China-E)	1005-04-		
T-1540 ?	?	**Katla** (Iceland-S)	1702-03=		
G-1510 v	?	**Fuji** (Honshu-Japan)	0803-03=		
C-1510 w	?	**Cotopaxi** (Ecuador)	1502-05=		
C-1510 t	?	**Chillán, Nevados de** (Chile-C)	1507-07=		
-1500 t	?	**Etna** (Italy)	0101-06=	**5**?	
T-1500 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
T-1500 y	?	**Iwate** (Honshu-Japan)	0803-24=		
G-1500 ?	?	**Avachinsky** (Kamchatka)	1000-10=	**5**	**-/9**
T-1500 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-1500 u	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
G-1490 w	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
M-1480 y	?	**Ischia** (Italy)	0101-03=		
G-1460 s	?	**Taupo** (New Zealand)	0401-07=	**6**	**-/10**
I-1459 u	?	***Unknown Source*** *(GISP2, 104 ppb S)*	.....		
I-1454 u	?	***Unknown Source*** *(GISP2, 164 ppb S)*	.....		
T-1450 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G-1450 u	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
T-1450 ?	?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=		
N-1450 z	?	**Unzen** (Kyushu-Japan)	0802-10=		
T-1450 v	?	**Fuji** (Honshu-Japan)	0803-03=		
G-1450 t	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=		
T-1450 ?	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-1450 z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=		
G-1450 t	?	**Daisetsu** (Hokkaido-Japan)	0805-06=		
H-1450 ?	?	**Newberry** (US-Oregon)	1202-11-		7/-
C-1450 v	?	**Colima** (Mexico)	1401-04=		
T-1450 ?	?	**Arenal** (Costa Rica)	1405-033	4	-/8

Lee Siebert (Smithsonian)



Lee Siebert (Smithsonian)

The youngest caldera at Santorini volcano in Greece was formed about 3500 years ago during the noted Minoan eruption. The steep inner walls of the caldera, capped by whitewashed villages, expose pyroclastic-flow deposits from four caldera-forming eruptions dating back to about 100,000 years ago. A nearby quarry (right photo) reveals light-colored airfall, pyroclastic-surge, and pyroclastic-flow deposits from the Minoan eruption that sequentially filled a valley cut in darker, bedded ashfall layers of Pleistocene age.

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-1440 z	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
G-1440 s	?	**Katla** (Iceland-S)	1702-03=	4	-/8
G-1430 y	?	**Vesuvius** (Italy)	0101-02=	4	-/8
G-1420 u	?	**Etna** (Italy)	0101-06=		
G-1420 y	?	**Turrialba** (Costa Rica)	1405-07=		
G-1410 t	?	**Merapi** (Java)	0603-25=		
G-1400 v	?	**Hakone** (Honshu-Japan)	0803-02=		
T-1400 <	?	**Narugo** (Honshu-Japan)	0803-20=		
G-1400 ?	?	**Karymsky** (Kamchatka)	1000-13=	2?	7/6
T-1400 ?	?	**Tenerife** (Canary Is)	1803-03-		7/-
V-1396 ?	?	**Nemrut Dagi** (Turkey)	0103-02=		
G-1390 w	?	**Pelée** (W Indies)	1600-12=		
G-1370 v	?	**Pago** (New Britain-SW Pac)	0502-08=	**6**	**-/10**
T-1350 ?	?	**Fuji** (Honshu-Japan)	0803-03=	**5**	**-/9**
G-1350 t	?	**Narugo** (Honshu-Japan)	0803-20=		
G-1350 ?	?	**Tokachi** (Hokkaido-Japan)	0805-05=	3	-/7
C-1350 ?	?	**Koshelev** (Kamchatka)	1000-02=		
C-1350 ?	?	**Avachinsky** (Kamchatka)	1000-10=	**5**	**-/9**
G-1350 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=	3	8/7
T-1350 ?	?	**Bezymianny** (Kamchatka)	1000-25=		
G-1350 x	?	**Yellowstone** (US-Wyoming)	1205-01-		
C-1350 ?	?	**Toluca, Nevado de** (Mexico)	1401-07-		
T-1350 *	?	**Hekla** (Iceland-S)	1702-07=		
G-1340 w	?	**Chichón, El** (Mexico)	1401-12=		
C-1330 v	?	**Longonot** (Africa-E)	0202-10=		
G-1330 u	?	**Okataina [Edgecumbe]** (New Zeal)	0401-05=		
G-1330 x	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-1320 ?	?	**Colima** (Mexico)	1401-04=		
C-1320 y	?	**San Martín** (Mexico)	1401-11=		
C-1320 ?	?	**Yucamane** (Perú)	1504-05-	**5**	**-/9**
C-1320 v	?	**La Palma** (Canary Is)	1803-01-		
G-1310 ?	?	**Haleakala** (Hawaiian Is)	1302-06-		7/-
C-1310 w	?	**Bravo, Cerro** (Colombia)	1501-012	4	**-/9**
G-1310 w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	3?	
T-1300 ?	?	**Vulcano** (Italy)	0101-05=	3	-/7
T-1300 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G-1300 w	?	**Fuji** (Honshu-Japan)	0803-03=		
C-1300 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T-1300 ?	?	**Cayambe** (Ecuador)	1502-006		
T-1290 ?	?	**Katla** (Iceland-S)	1702-03=		
C-1290 ?	?	**Agua de Pau** (Azores)	1802-09=	4	-/8
C-1280 s	?	**St. Paul Island** (Alaska-W)	1104-01-		7/-
T-1280 ?	?	**Katla** (Iceland-S)	1702-03=		
C-1270 u	?	**Aso** (Kyushu-Japan)	0802-11=		
G-1270 v	?	**Barú** (Panama)	1406-01-		
C-1260 y	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
T-1250 ?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-1250 ?	?	**Taupo** (New Zealand)	0401-07=	3	-/7
G-1250 ?	?	**Iwate** (Honshu-Japan)	0803-24=	3	-/7
G-1250 x	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=		
T-1250 ?	?	**Nii-jima** (Izu Is-Japan)	0804-02=		
T-1250 ?	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
T-1250 *	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
C-1250 ?	?	**Jordan Craters** (US-Oregon)	1202-19-	2?	**9/-**
G-1250 x	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-1250 v	?	**Negra, Sierra** (Galápagos)	1503-05=	0	
G-1250 w	?	**Aguilera** (Chile-S)	1508-062	**5**	**-/9**
T-1250 *	?	**Hekla** (Iceland-S)	1702-07=		
T-1250 y	?	**Askja** (Iceland-NE)	1703-06=	0	**9**/-
T-1250 ?	?	**Candlemas Island** (Antarctica)	1900-10=		
C-1245 w	?	**Ruiz, Nevado del** (Colombia)	1501-02=		
G-1240 ?	?	**Haleakala** (Hawaiian Is)	1302-06-		6/-
G-1230 u	?	**Guagua Pichincha** (Ecuador)	1502-02=		
G-1220 k	?	**Katla** (Iceland-S)	1702-03=	3	-/7
A-1200 >	?	**Haylan, Jabal** (Arabia-S)	0301-11-	0?	
C-1200 w	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
T-1200 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G-1200 ?	?	**Hakone** (Honshu-Japan)	0803-02=	2	8/6
T-1200 ?	?	**Myoko** (Honshu-Japan)	0803-10=		
T-1200 ?	?	**Oshima** (Izu Is-Japan)	0804-01=		
G-1200 t	?	**Aoga-shima** (Izu Is-Japan)	0804-06=		
T-1200 ?	?	**Ichinsky** (Kamchatka)	1000-28=		
G-1200 v	?	**Naolinco Volc Field** (Mexico)	1401-095		8/-
T-1200 ?	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=		**9/-**
T-1200 ?	?	**Fremrinamur** (Iceland-NE)	1703-07=		**9/-**
C-1200 v	?	**Flores** (Azores)	1802-001		
T-1192 u	?	***Unknown Source*** *(GISP2, 110 ppb S)*	.....		
C-1190 s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-1190 ?	?	**Katla** (Iceland-S)	1702-03=		
C-1180 u	?	**Merapi** (Java)	0603-25=	P	
G-1180 ?	?	**St. Helens** (US-Washington)	1201-05-		
U-1180 ?	?	**Cobb Segment** (Pacific-NE)	1301-011		
G-1170 y	?	**Zuni-Bandera** (US-New Mexico)	1210-02-	0	**9**/-
G-1170 x	?	**Colima** (Mexico)	1401-04=		
C-1170 t	?	**Malinche, La** (Mexico)	1401-091		
G-1160 y	?	**Galeras** (Colombia)	1501-08=	2	-/6
T-1160 ?	?	**Katla** (Iceland-S)	1702-03=		
G-1150 w	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
N-1150 z	?	**Unzen** (Kyushu-Japan)	0802-10=		
G-1150 t	?	**Izu-Tobu** (Honshu-Japan)	0803-01=	4+	8/8
C-1150 ?	?	**Iwate** (Honshu-Japan)	0803-24=		
G-1150 ?	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	1	-/5
T-1150 *	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
G-1150 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
R-1150 *	?	**Koniuji** (Aleutian Is)	1101-14-		
C-1150 ?	?	**Shasta** (US-California)	1203-01-		
C-1150 u	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-1150 w	?	**Cuicocha** (Ecuador)	1502-003	**5**	**-/9**
T-1150 v	?	**Torfajökull** (Iceland-S)	1702-05=		7/-
T-1150 *	?	**Hekla** (Iceland-S)	1702-07=		
T-1150 ?	?	**Tenerife** (Canary Is)	1803-03-		6/-
D-1150 ?	?	***Unknown Source*** *(Belfast tree-ring)*	.....		
G-1140 w	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
C-1140 r	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-1140 ?	?	**Colima** (Mexico)	1401-04=		
T-1130 x	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T-1130 *	?	**Asama** (Honshu-Japan)	0803-11=		
C-1125 t	?	**Gran Canaria** (Canary Is)	1803-04-		
C-1120 w	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	4	8/8
T-1120 x	?	**Turrialba** (Costa Rica)	1405-07=		
T-1100 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T-1100 y	?	**Aoga-shima** (Izu Is-Japan)	0804-06=		
G-1100 ?	?	**Karymsky** (Kamchatka)	1000-13=		7/-
G-1100 ?	?	**St. Helens** (US-Washington)	1201-05-		
E-1100 z	?	**Parinacota** (Chile-N)	1505-012		
G-1100 t	?	**Hekla** (Iceland-S)	1702-07=	**5+**	**-/9**
C-1090 v	?	**Kikai** (Ryukyu Is)	0802-06=	2	
I -1084 t	?	***Unknown Source*** *(GISP2, 129 ppb S)*	.....		
C-1080 y	?	**Pantelleria** (Italy)	0101-071		
T-1080 w	?	**Redoubt** (Alaska-SW)	1103-03-		
C-1080 t	?	**Medicine Lake** (US-California)	1203-02-	0	6/-
C-1080 x	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
G-1080 w	?	**Tacaná** (Mexico)	1401-13=		
C-1080 ?	?	**Villarrica** (Chile-C)	1507-12=		
C-1060 s	?	**Bliznetsy** (Kamchatka)	1000-552	1?	8/-
C-1060 u	?	**Krisuvik** (Iceland-SW)	1701-03=	0	7/-
C-1050 u	?	**Etna** (Italy)	0101-06=		
G-1050 ?	?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-1050 ?	?	**Loloru** (Bougainville-SW Pacific)	0505-03=		
C-1050 ?	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=		
G-1050 z	?	**Pinatubo** (Luzon-Philippines)	0703-083	**6**	**-/10**
M-1050 ?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
T-1050 ?	?	**Hakone** (Honshu-Japan)	0803-02=		
T-1050 ?	?	**Chokai** (Honshu-Japan)	0803-22=	0	8/-
T-1050 ?	?	**Iwaki** (Honshu-Japan)	0803-27=		
T-1050 x	?	**Oshima** (Izu Is-Japan)	0804-01=		
T-1050 ?	?	**E-san** (Hokkaido-Japan)	0805-011		
T-1050 ?	?	**Yotei** (Hokkaido-Japan)	0805-032		
T-1050 <	?	**Khodutka** (Kamchatka)	1000-053	4+	-/8
G-1050 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-1050 ?	?	**Kliuchevskoi** (Kamchatka)	1000-26=		
R-1050 *	?	**Tanaga** (Aleutian Is)	1101-08-	0	
C-1050 ?	?	**Buzzard Creek** (Alaska-E)	1105-001	2	-/6
K-1050 *	?	**Adams Seamount** (Pacific-C)	1303-05-	0	
U-1050 *	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
T-1050 *	?	**Apoyeque** (Nicaragua)	1404-091	4	-/8
T-1050 x	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/8
T-1050 ?	?	**Cotopaxi** (Ecuador)	1502-05=	4	**9**/8
T-1050 ?	?	**Cayutué-La Viguería** (Chile-S)	1508-012		
T-1050 ?	?	**Tenerife** (Canary Is)	1803-03-		8/-
K-1050 *	?	**Pleiades, The** (Antarctica)	1900-013		
C-1040 u	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	8/-
T-1030 ?	?	**Fuji** (Honshu-Japan)	0803-03=	4+	-/8
G-1030 y	?	**Belknap** (US-Oregon)	1202-06-	0	
T-1020 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-1020 w	?	**Atitlán** (Guatemala)	1402-06=		
G-1010 x	?	**Taupo** (New Zealand)	0401-07=	4+	-/8
G-1010 x	?	**Merapi** (Java)	0603-25=		
G-1010 v	?	**Fuji** (Honshu-Japan)	0803-03=		
T-1010 ?	?	**Kizimen** (Kamchatka)	1000-23=		
T-1010 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
G-1010 ?	?	**St. Helens** (US-Washington)	1201-05-		
C-1010 v	?	**Tungurahua** (Ecuador)	1502-08=	**5**	**-/9**
G-1000 t	?	**Krasheninnikov** (Kamchatka)	1000-19=	3	-/7
A-1000 ?	?	**Changbaishan** (China-E)	1005-06-		
C-1000 z	?	**Snaefellsjökull** (Iceland-W)	1700-01=	2	8/-
G-0990 *	?	**Kuju** (Kyushu-Japan)	0802-12=	4	-/8
T-0990 z	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
T-0990 ?	?	**Katla** (Iceland-S)	1702-03=		
G-0980 x	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
C-0960 u	?	**Tecuamburro** (Guatemala)	1402-12=		
G-0960 w	?	**Antillanca Group** (Chile-C)	1507-153	**5**	**-/9**
U-0950 z	?	**Vulcano** (Italy)	0101-05=	0	
G-0950 ?	?	**Aso** (Kyushu-Japan)	0802-11=	P	

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-0950 v	?	**Azuma** (Honshu-Japan)	0803-18=		
T-0950 x	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4+	-/8
G-0950 ?	?	**Akademia Nauk** (Kamchatka)	1000-125		
G-0950 ?	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	**-/9**
C-0950 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-0950 ?	?	**Cuicocha** (Ecuador)	1502-003		
E-0950 *	?	**Azul, Cerro** (Galápagos)	1503-06=	0	
C-0950 y	?	**Watt, Morne** (W Indies)	1600-101		
C-0950 v	?	**Flores** (Azores)	1802-001		
C-0950 w	?	**Hierro** (Canary Is)	1803-02-		
C-0940 v	?	**Andahua-Orcopampa** (Perú)	1504-004		
C-0940 t	?	**Terceira** (Azores)	1802-05=		
G-0930 w	?	**Ischia** (Italy)	0101-03=		
C-0930 >	?	**Fuji** (Honshu-Japan)	0803-03=	**5**	**-/9**
G-0930 v	?	**Khodutka** (Kamchatka)	1000-053	**5**	**7/9**
C-0930 ?	?	**Azufral** (Colombia)	1501-09=	**P**	
C-0920 u	?	**Sollipulli** (Chile-C)	1507-111	**5+**	**-/9**
T-0920 ?	?	**Katla** (Iceland-S)	1702-03=		
C-0900 ?	?	**Kuchino-shima** (Ryukyu Is)	0802-043		
T-0900 ?	?	**Tate-yama** (Honshu-Japan)	0803-08=		
G-0900 v	?	**Oshima** (Izu Is-Japan)	0804-01=	2	5/6
T-0900 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
G-0900 v	?	**Sand Mountain Field** (US-Oregon)	1202-04-	2?	
T-0900 v	?	**Theistareykjarbunga** (Iceland-NE)	1703-09=	0	
G-0890 t	?	**Pelée** (W Indies)	1600-12=		
G-0880 t	?	**Vesuvius** (Italy)	0101-02=	4	-/8
T-0880 *	?	**Minchinmávida** (Chile-S)	1508-04=		
C-0870 u	?	**Karkar** (New Guinea-NE of)	0501-03=		
T-0860 ?	?	**Katla** (Iceland-S)	1702-03=		
T-0850 ?	?	**Yake-dake** (Honshu-Japan)	0803-07=		
G-0850 t	?	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=		
C-0850 ?	?	**Zavaritsky** (Kamchatka)	1000-124	4+	7/8
G-0850 ?	?	**Karymsky** (Kamchatka)	1000-13=	3	7/7
G-0850 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G-0850 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		7/-
C-0850 ?	?	**Glacier Peak** (US-Washington)	1201-02-		
C-0850 ?	?	**Shasta** (US-California)	1203-01-		
T-0850 ?	?	**Ruiz, Nevado del** (Colombia)	1501-02=	4	-/8
G-0850 ?	?	**Santa Isabel** (Colombia)	1501-021		
G-0850 t	?	**Katla** (Iceland-S)	1702-03=	4	-/8
T-0850 *	?	**Hekla** (Iceland-S)	1702-07=		
C-0850 v	?	**Picos Volc System** (Azores)	1802-081		
C-0830 t	?	**Tengger Caldera** (Java)	0603-31=	**P**	
C-0830 u	?	**St. Helens** (US-Washington)	1201-05-		
T-0830 z	?	**Arenal** (Costa Rica)	1405-033	0?	
G-0830 w	?	**Turrialba** (Costa Rica)	1405-07=		
C-0820 v	?	**Melimoyu** (Chile-S)	1508-052		
G-0820 v	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	3?	
T-0800 ?	?	**Taupo** (New Zealand)	0401-07=	2	7/6
G-0800 <	?	**Narugo** (Honshu-Japan)	0803-20=		
C-0800 v	?	**Oshima-Oshima** (Hokkaido-Japan)	0805-01=		
C-0800	?	**Akan** (Hokkaido-Japan)	0805-07=		
T-0800 z	?	**Zavaritsky** (Kamchatka)	1000-124	2	-/6
T-0800 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
C-0800 y	?	**Terpuk** (Kamchatka)	1000-512		
T-0800 z	?	**Yantarni** (Alaska Peninsula)	1102-10-	**5**	**8/9**
C-0800 t	?	**Martin** (Alaska Peninsula)	1102-14-		
G-0800 ?	?	**St. Helens** (US-Washington)	1201-05-		
G-0800 y	?	**Sand Mountain Field** (US-Oregon)	1202-04-	2?	
G-0800 y	?	**Belknap** (US-Oregon)	1202-06-	2?	
T-0800 ?	?	**North Sister Field** (US-Oregon)	1202-07-	2?	
G-0800 ?	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C-0800 t	?	**Momotombo** (Nicaragua)	1404-09=	4+	-/8
T-0800 z	?	**Burney, Monte** (Chile-S)	1508-07=		
C-0800 ?	?	**Deception Island** (Antarctica)	1900-03=		
G-0790 u	?	**Hudson, Cerro** (Chile-S)	1508-057		
V-0787 q	?	**Nemrut Dagi** (Turkey)	0103-02=		
G-0780 z	?	**Fuji** (Honshu-Japan)	0803-03=		
G-0780 y	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
C-0780 v	?	**Medicine Lake** (US-California)	1203-02-		8/-
C-0780 t	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
T-0780 ?	?	**Katla** (Iceland-S)	1702-03=		
A-0778 e	?	**Porak** (Armenia)	0104-09-		
C-0770 t	?	**Concepción** (Nicaragua)	1404-12=	**P**	
G-0760 x	?	**Poás** (Costa Rica)	1405-04=		
T-0750 t	?	**Kasbek** (Georgia)	0104-02-		
T-0750 ?	?	**Izu-Tobu** (Honshu-Japan)	0803-01=	3	8/7
T-0750	?	**Myoko** (Honshu-Japan)	0803-10=		
G-0750 ?	?	**Towada** (Honshu-Japan)	0803-271	4+	-/8
H-0750 *	?	**Kozu-shima** (Izu Is-Japan)	0804-03=		
T-0750 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
T-0750 v	?	**Edziza** (Canada)	1200-06-		
C-0750 s	?	**San Martin** (Mexico)	1401-11=		
C-0750 v	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T-0750 z	?	**Hekla** (Iceland-S)	1702-07=		
C-0750 y	?	**Sete Cidades** (Azores)	1802-08=		
C-0750 ?	?	**Deception Island** (Antarctica)	1900-03=		

START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
?-0740 b	?	*Porak (Armenia)*	0104-09-		
T-0740 ?	?	**Katla** (Iceland-S)	1702-03=		
?-0735	?	*Etna (Italy)*	0101-06=		
C-0730 u	?	**Bravo, Cerro** (Colombia)	1501-012	4+	-/8
C-0730 ?	?	**Pelée** (W Indies)	1600-12=		
C-0720 u	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
T-0700 u	?	**Ischia** (Italy)	0101-03=		
G-0700 w	?	**Merapi** (Java)	0603-25=		
T-0700 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	2	7/6
G-0700 v	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	3	
G-0700 x	?	**Nasu** (Honshu-Japan)	0803-15=	3	-/7
T-0700 *	?	**Gorely** (Kamchatka)	1000-07=	0	8/-
T-0700 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
T-0700 t	?	**Rainier** (US-Washington)	1201-03-		
H-0700 *	?	**Mono Craters** (US-California)	1203-12-		
G-0700 x	?	**Chichón, El** (Mexico)	1401-12=		
C-0700 t	?	**Huambo** (Perú)	1504-005		
T-0700 ?	?	**Katla** (Iceland-S)	1702-03=		
C-0700 ?	?	**Deception Island** (Antarctica)	1900-03=		
-0695 b	?	**Etna** (Italy)	0101-06=		
C-0690 w	?	**Pululagua** (Ecuador)	1502-011	**5**	**-/9**
T-0680 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-0670 ?	?	**Villarrica** (Chile-C)	1507-12=		
C-0670 y	?	**Terceira** (Azores)	1802-05=		
G-0670 x	?	**Tenerife** (Canary Is)	1803-03-		7/-
C-0665 v	?	**Ljósufjöll** (Iceland-W)	1700-03=	2	8/-
C-0660 u	?	**Alney-Chashakondzha** (Kamchatka)	1000-45-	3	8/7
V-0657 q	?	**Nemrut Dagi** (Turkey)	0103-02=		
T-0650 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C-0650 ?	?	**Sakura-jima** (Kyushu-Japan)	0802-08=		
C-0650 ?	?	**Chokai** (Honshu-Japan)	0803-22=		
G-0650 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G-0650 ?	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T-0650 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C-0650 u	?	**Alney-Chashakondzha** (Kamchatka)	1000-45-	3	8/7
C-0650 ?	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-0650 t	?	**Rainier** (US-Washington)	1201-03-		
C-0650 *	?	**Shasta** (US-California)	1203-01-		
G-0650 x	?	**Colima** (Mexico)	1401-04=		
C-0650 ?	?	**Machín** (Colombia)	1501-04=		
T-0650 ?	?	**Katla** (Iceland-S)	1702-03=		
T-0650 *	?	**Hekla** (Iceland-S)	1702-07=		
T-0650 ?	?	**Krafla** (Iceland-NE)	1703-08=	4	-/8
C-0640 y	?	**Pago** (New Britain-SW Pac)	0502-08=		
C-0640 t	?	**Ijen** (Java)	0603-35=		
G-0640 z	?	**Irazú** (Costa Rica)	1405-06=	3	
C-0630 t	?	**Aso** (Kyushu-Japan)	0802-11=		
C-0620 w	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
C-0620 ?	?	**Pelée** (W Indies)	1600-12=		
G-0610 v	?	**Rainier** (US-Washington)	1201-03-		
G-0610 x	?	**Tolima, Nevado del** (Colombia)	1501-03=	3?	
?-0600	?	*Alban Hills (Italy)*	0101-004		
A-0600 <	?	**Vesuvius** (Italy)	0101-02=	3	
T-0600 ?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T-0600 z	?	**Oshima** (Izu Is-Japan)	0804-01=	3	
T-0600 z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
C-0600 x	?	**Aoga-shima** (Izu Is-Japan)	0804-06=	4	8/8
T-0600 ?	?	**Ichinsky** (Kamchatka)	1000-28=		
C-0600 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-0600 ?	?	**Pelée** (W Indies)	1600-12=		
T-0600 ?	?	**Katla** (Iceland-S)	1702-03=		
T-0590 z	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-0590 x	?	**Adatara** (Honshu-Japan)	0803-17=	3	-/7
G-0590 x	?	**Lanin** (Chile-C)	1507-122		
G-0590 x	?	**Pelée** (W Indies)	1600-12=	4?	-/8
I-0585 t	?	***Unknown Source*** *(GISP2, 132 ppb S)*	.....		
G-0580 y	?	**Nabukelevu** (Fiji Is-SW Pacific)	0405-03-		
C-0580 t	?	**Haleakala** (Hawaiian Is)	1302-06-		
C-0580 >	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	2	
G-0580 x	?	**Tenerife** (Canary Is)	1803-03-		7/-
?-0565	?	*Etna (Italy)*	0101-06=		
T-0560 ?	?	**Cayambe** (Ecuador)	1502-006		
T-0560 ?	?	**Katla** (Iceland-S)	1702-03=		
C-0550 ?	?	**Tendürek Dagi** (Turkey)	0103-03=		
A-0550	?	**Ararat** (Turkey)	0103-04-		
C-0550 x	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	**5**	**-/9**
T-0550 ?	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	3	-/7
T-0550 ?	?	**Bandai** (Honshu-Japan)	0803-16=		
T-0550 z	?	**Iwaki** (Honshu-Japan)	0803-27=		
T-0550 ?	?	**E-san** (Hokkaido-Japan)	0805-011		
C-0550 ?	?	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	**5**	**-/9**
T-0550 z	?	**Daisetsu** (Hokkaido-Japan)	0805-06=		
T-0550 ?	?	**Akan** (Hokkaido-Japan)	0805-07=		
T-0550 v	?	**Nemo Peak** (Kuril Is)	0900-32=		
T-0550	?	**Bakening** (Kamchatka)	1000-123	2	-/6
G-0550 ?	?	**Maly Semiachik** (Kamchatka)	1000-14=		
C-0550 ?	?	**Taunshits** (Kamchatka)	1000-16-		

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-0550?	....	?	**Gamchen** (Kamchatka)	1000-21=		
C-0550?	....	*?*	*Vysoky (Kamchatka)*	1000-221	*0*	
C-0550?	....	?	**Titila** (Kamchatka)	1000-56-		
T-0550'	....	?	**Tanaga** (Aleutian Is)	1101-08-		
T-0550'	....	?	**Makushin** (Aleutian Is)	1101-31-		
C-0550?	....	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-0550'	....	?	**Adams** (US-Washington)	1201-04-	2	
T-0550z	....	?	**Shasta** (US-California)	1203-01-		
T-0550z	....	?	**Nejapa-Miraflores** (Nicaragua)	1404-092		
E-0550'	....	?	**Azul, Cerro** (Galapagos)	1503-06=	0	
C-0550?	....	?	**Quill, The** (W Indies)	1600-02=		
T-0550?	....	?	**Katla** (Iceland-S)	1702-03=		
C-0550u	....	?	**Hierro** (Canary Is)	1803-02-		
C-0550?	....	?	**Deception Island** (Antarctica)	1900-03=		
V-0531?	....	?	**Nemrut Dagi** (Turkey)	0103-02=		
G-0530?	....	?	**St. Helens** (US-Washington)	1201-05-	**5**	**-/9**
C-0530u	....	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T-0530?	....	?	**Katla** (Iceland-S)	1702-03=		
G-0520y	....	?	**Fuji** (Honshu-Japan)	0803-03=		
C-0520v	....	?	**Jingbo** (China-E)	1005-04-		
C-0520?	....	?	**Tenerife** (Canary Is)	1803-03-		
T-0510?	....	?	**Cayambe** (Ecuador)	1502-006		
C-0510x	....	?	**Picos Volc System** (Azores)	1802-081		
C-0500u	....	?	**Dieng Volc Complex** (Java)	0603-20=		
G-0500?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C-0500t	....	?	**Mageik** (Alaska Peninsula)	1102-15-		
T-0500t	....	?	**Rainier** (US-Washington)	1201-03-		
C-0500?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-0500?	....	?	**Tungurahua** (Ecuador)	1502-08=	3?	
T-0500y	....	?	**Krafla** (Iceland-NE)	1703-08=	0	
M-0490w	....	?	**Ischia** (Italy)	0101-03=		
G-0490v	....	?	**Galeras** (Colombia)	1501-08=	2	-/6
G-0490y	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
G-0480y	....	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
-0479	08	? >3yr	**Etna** (Italy)	0101-06=		
-0478	*Cont*	....	*Etna (Italy)*	0101-06=		
-0477	*Cont*	....	*Etna (Italy)*	0101-06=		
-0476	*Cont*	....	*Etna (Italy)*	0101-06=		
-0475	*Cont*	....	*Etna (Italy)*	0101-06=		
-0475?	....	?	**Vulcano** (Italy)	0101-05=		
-0470?	....	?	**Ischia** (Italy)	0101-03=		
T-0460?	....	?	**Cayambe** (Ecuador)	1502-006		
-0450t	....	?	**Cameroon** (Africa-W)	0204-01=	3	
T-0450?	....	?	**Chokai** (Honshu-Japan)	0803-22=		
G-0450?	....	?	**Iwate** (Honshu-Japan)	0803-24=		
T-0450?	....	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G-0450?	....	?	**Bezymianny** (Kamchatka)	1000-25=	4	-/8
C-0450?	....	?	**Iliamna** (Alaska-SW)	1103-02-		
C-0450w	....	?	**Pululagua** (Ecuador)	1502-011	**C**	
A-0442	....	?	**Popa** (SE Asia)	0705-08-		
C-0440t	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C-0440?	....	?	**Pelée** (W Indies)	1600-12=	**P**	
I-0433?	....	?	***Unknown Source*** *(Byrd Station 1968)*	.....		
C-0430?	....	?	**Plat Pays, Morne** (W Indies)	1600-11=		
T-0430?	....	?	**Katla** (Iceland-S)	1702-03=		
-0425	0315m	474*w?*	**Etna** (Italy)	0101-06=		
-0424	*Cont*	....	*Etna (Italy)*	0101-06=		
C-0420r	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-0410x	....	?	**Meager** (Canada)	1200-18-	**5?**	
C-0410v	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
G-0400p	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-0400t	....	?	**Matutum** (Mindanao-Philippines)	0701-02=		
G-0400?	....	?	**Fukue-jima** (Kyushu-Japan)	0802-091		
G-0400>	....	?	**Kita Yatsuga-take** (Honshu-Japan)	0803-031		
T-0400?	....	?	**Yake-dake** (Honshu-Japan)	0803-07=		
T-0400?	....	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=		
T-0400?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-0400t	....	?	**Rainier** (US-Washington)	1201-03-		
T-0400?	....	?	**Adams** (US-Washington)	1201-04-	2	
C-0400?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-0400u	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
T-0400?	....	?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
C-0400v	....	?	**Reykjanes** (Iceland-SW)	1701-02=	2	8/-
-0396?	0415q	?	**Etna** (Italy)	0101-06=		
C-0390u	....	?	**Ebeko** (Kuril Is)	0900-38=		
C-0390s	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
G-0380x	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
M-0370w	....	?	**Ischia** (Italy)	0101-03=		
C-0370x	....	?	**Acatenango** (Guatemala)	1402-08=		
T-0370?	....	?	**Katla** (Iceland-S)	1702-03=		
-0360j	....	?	**Vulcano** (Italy)	0101-05=	2	
C-0360w	....	?	**Furnas** (Azores)	1802-10=		
C-0360t	....	?	**La Palma** (Canary Is)	1803-01-		
-0350t	....	?	**Stromboli** (Italy)	0101-04=	2	
C-0350u	....	?	**Bamus** (New Britain-SW Pac)	0502-11=		
C-0350v	....	?	**Ambitle** (New Ireland-SW Pacific)	0504-02=		
G-0350?	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	4	8/8
G-0350x	....	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	3	-/7
C-0350?	....	?	**Iwate** (Honshu-Japan)	0803-24=		
T-0350z	....	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	3	-/7
T-0350?	....	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G-0350?	....	?	**Krasheninnikov** (Kamchatka)	1000-19=		
G-0350r	....	?	**Khangar** (Kamchatka)	1000-272		
C-0350?	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C-0350?	....	?	**Ukinrek Maars** (Alaska Peninsula)	1102-131		
C-0350?	....	?	**South Sister** (US-Oregon)	1202-08-	4	8/8
M-0350?	....	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	8/-
C-0350u	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
I-0345?	....	?	***Unknown Source*** *(Byrd Station 1968)*	.....		
G-0340z	....	?	**Merapi** (Java)	0603-25=	3	-/7
G-0330u	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-0330x	....	?	**Calbuco** (Chile-S)	1508-02=		
I-0325?	....	?	***Unknown Source*** *(SP, 203 ppb S)*	.....		
C-0320n	....	?	**Atacazo** (Ecuador)	1502-021	**5**	**-/9**
C-0320t	....	?	**Taapaca** (Chile-N)	1505-011		
C-0320u	....	?	**Chillán, Nevados de** (Chile-C)	1507-07=		
G-0310v	....	?	**Misti, El** (Perú)	1504-01=		
-0300	....	?	**Vulcano** (Italy)	0101-05=	2	
T-0300?	....	?	**Okataina [Edgecumbe]** (New Zeal)	0401-05=	0	**9/-**
T-0300v	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
T-0300y	....	?	**Khodutka** (Kamchatka)	1000-053	0	
G-0300?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-0300?	....	?	**Adams** (US-Washington)	1201-04-	2	
T-0300?	....	?	**Wapi Lava Field** (US-Idaho)	1204-03-	2?	**9/-**
C-0300?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G-0300v	....	?	**Pelée** (W Indies)	1600-12=		
G-0300?	....	?	**Krafla** (Iceland-NE)	1703-08=	2	**9/-**
G-0290?	....	?	**Haleakala** (Hawaiian Is)	1302-06-		7/-
C-0280u	....	?	**Kikai** (Ryukyu Is)	0802-06=		
G-0280?	....	?	**St. Helens** (US-Washington)	1201-05-		
C-0270t	....	?	**Bamus** (New Britain-SW Pac)	0502-11=		
T-0270?	....	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
G-0270v	....	?	**Rausu** (Hokkaido-Japan)	0805-082		
U-0270?	....	?	**Cleft Segment** (Pacific-NE)	1301-03-	0	
G-0270u	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T-0270?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-0270v	....	?	**Tungurahua** (Ecuador)	1502-08=		
C-0260q	....	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	7/-
C-0260u	....	?	**Acatenango** (Guatemala)	1402-08=		
T-0260?	....	?	**Cayambe** (Ecuador)	1502-006		
-0258o	....	?	**Methana** (Greece)	0102-02=	3	7/-
-0253k	....	?	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=		
C-0250u	....	?	**Raoul Island** (Kermadec Is)	0402-03=	**6**	**-/10**
T-0250?	....	?	**Nasu** (Honshu-Japan)	0803-15=	2?	
G-0250?	....	?	**Krasheninnikov** (Kamchatka)	1000-19=		
G-0250x	....	?	**Rainier** (US-Washington)	1201-03-	4	-/8
T-0250?	....	?	**St. Helens** (US-Washington)	1201-05-		
C-0250?	....	?	**Copahue** (Chile-C)	1507-09=		
T-0250?	....	?	**Katla** (Iceland-S)	1702-03=		
T-0250z	....	?	**Hekla** (Iceland-S)	1702-07=		
C-0250?	....	?	**Deception Island** (Antarctica)	1900-03=		
C-0240v	....	?	**St. Andrew Strait [Lou Is.]**	0500-01=		
C-0230y	....	?	**Kelut** (Java)	0603-28=		
T-0230?	....	?	**Cayambe** (Ecuador)	1502-006		
C-0230x	....	?	**Cotopaxi** (Ecuador)	1502-05=	4	-/8
G-0230x	....	?	**Antillanca Group** (Chile-C)	1507-153	5	**-/9**
C-0220t	....	?	**Zhupanovsky** (Kamchatka)	1000-12=		
C-0220t	....	?	**Udokan [Chepe]** (Russia-SE)	1002-03-		
G-0220?	....	?	**St. Helens** (US-Washington)	1201-05-		
G-0220x	....	?	**Lanin** (Chile-C)	1507-122		8/-
-0217	....	365*y*	**Vesuvius** (Italy)	0101-02=	3?	
-0216	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*3?*	
-0215	....	?	**Vulcano** (Italy)	0101-05=		
-0210j	....	?	**Stromboli** (Italy)	0101-04=	2	
T-0210x	....	?	**Redoubt** (Alaska-SW)	1103-03-		
C-0210u	....	?	**Osorno** (Chile-S)	1508-01=		
I-0210x	....	?	**Hudson Mountains** (Antarctica)	1900-028	4?	-/8
D-0208?	....	?	***Unknown Source*** *(Belfast tree-ring)*	.....		
M-0200x	....	?	**Ischia** (Italy)	0101-03=		
G-0200?	....	?	**Taupo** (New Zealand)	0401-07=	4+	-/8
T-0200?	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C-0200t	....	?	**Tsurumi** (Kyushu-Japan)	0802-13=	4	
G-0200?	....	?	**Haku-san** (Honshu-Japan)	0803-05=	4	8/8
G-0200x	....	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=		
T-0200?	....	?	**Ksudach** (Kamchatka)	1000-05=	3	-/7
T-0200?	....	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-0200?	....	?	**Tolbachik** (Kamchatka)	1000-24=		
G-0200w	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C-0200?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-0200y	....	?	**Popocatépetl** (Mexico)	1401-09=	P	
C-0200v	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=	4	-/8
G-0200x	....	?	**Tolima, Nevado del** (Colombia)	1501-03=	3?	
C-0200?	....	?	**Pelée** (W Indies)	1600-12=	P	
C-0200?	....	?	**Reykjanes** (Iceland-SW)	1701-02=	0	

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
-0197		?	**Santorini** (Greece)	0102-04=	3	
T-**0190** v		?	**Fuji** (Honshu-Japan)	0803-03=		
C-**0190** u		?	**Krisuvik** (Iceland-SW)	1701-03=	2	8/-
-0183		?	**Vulcano** (Italy)	0101-05=	4	
C-**0180** u		?	**Changbaishan** (China-E)	1005-06-	P	
T-**0180** ?		?	**Cayambe** (Ecuador)	1502-006		
I-**0180** s		?	***Unknown Source*** *(GISP2, 93 ppb S)*			
I-**0171** ?		?	***Unknown Source*** *(Byrd Station 1968)*			
C-**0170** u		?	**Matutum** (Mindanao-Philippines)	0701-02=		
C-**0170** v		?	**Masaya** (Nicaragua)	1404-10=	**5**	**-/9**
G-**0170** x		?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-**0160** y		?	**Muria** (Java)	0603-251		
C-**0160** t		?	**Puracé** (Colombia)	1501-06=		
U-**0150** y		?	**Vulcano** (Italy)	0101-05=		
C-**0150** r		?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G-**0150** x		?	**Azuma** (Honshu-Japan)	0803-18=		
T-**0150** ?		?	**Oshima** (Izu Is-Japan)	0804-01=	3	
G-**0150** t		?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
G-**0150** ?		?	**Krasheninnikov** (Kamchatka)	1000-19=	**C**	
T-**0150** ?		?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T-**0150** ?		?	**Rainier** (US-Washington)	1201-03-		
C-**0150** ?		?	**Shasta** (US-California)	1203-01-		
T-**0150** y		?	**San Martín** (México)	1401-11=		
T-**0150** *		?	**Hekla** (Iceland-S)	1702-07=		
-0141	1231y	?	**Etna** (Italy)	0101-06=		
-0135		?	**Etna** (Italy)	0101-06=		
C-**0130** t		?	**Craters of the Moon** (US-Idaho)	1204-02-	0	**9/-**
-0126	06	?	**Vulcano** (Italy)	0101-05=		
-0126	06 <	?	**Etna** (Italy)	0101-06=		
-0122		?	**Etna** (Italy)	0101-06=	**5**	**-/9**
C-**0120** x		?	**Hudson, Cerro** (Chile-S)	1508-057		
-0104		?	**Vulsini** (Italy)	0101-003		
G-**0100** y		?	**Kuju** (Kyushu-Japan)	0802-12=	4	-/8
C-**0100** w		?	**Fuji** (Honshu-Japan)	0803-03=		
H-**0100** *		?	**Kozu-shima** (Izu Is-Japan)	0804-03=		
G-**0100** v		?	**Shikotsu [Eniwa]** (Hokkaido)	0805-04=	2	
T-**0100** ?		?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T-**0100** ?		?	**Tolbachik** (Kamchatka)	1000-24=		
C-**0100** t		?	**Okmok** (Aleutian Is)	1101-29-	**6**	**-/10**
G-**0100** ?		?	**St. Helens** (US-Washington)	1201-05-		
C-**0100** ?		?	**Tungurahua** (Ecuador)	1502-08=	3?	
C-**0100** v		?	**Calbuco** (Chile-S)	1508-02=		
C-**0100** ?		?	**Deception Island** (Antarctica)	1900-03=		
-0091		?	**Ischia** (Italy)	0101-03=		
-0091		?	**Vulcano** (Italy)	0101-05=	3?	
G-**0090** x		?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G-**0090** v		?	**Burney, Monte** (Chile-S)	1508-07=		
C-**0090** v		?	**Terceira** (Azores)	1802-05=		
C-**0080** t		?	**Leonard Range** (Mindanao-Philippines)	0701-031		
T-**0080** ?		?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C-**0080** ?		?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-**0080** u		?	**Hualalai** (Hawaiian Is)	1302-04-	0	8/-
G-**0080** u		?	**Misti, El** (Perú)	1504-01=	4?	-/8
G-**0080** x		?	**Lanin** (Chile-C)	1507-122		
C-**0080** u		?	**Hengill** (Iceland-SW)	1701-05=	2	8/-
T-**0080** ?		?	**Katla** (Iceland-S)	1702-03=		
G-**0080** s		?	**Tenerife** (Canary Is)	1803-03-	4+	7/8
?-0061		?	*Etna (Italy)*	0101-06=		
C-**0060** ?		?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C-**0060** ?		?	**Terceira** (Azores)	1802-05=		8/-
?-0056		?	*Etna (Italy)*	0101-06=		
I-**0054** s		?	***Unknown Source*** *(GISP2, 291 ppb S)*			
-0050 t		?	**Stromboli** (Italy)	0101-04=	2	
C-**0050** ?		?	**Alutu** (Ethiopia)	0201-27-		
T-**0050** ?		?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=		
G-**0050** v		?	**Rungwe** (Africa-E)	0202-166		
T-**0050** ?		?	**Raoul Island** (Kermadec Is)	0402-03=	3?	-/7
C-**0050** v		?	**Dieng Volc Complex** (Java)	0603-20=	0	
T-**0050** ?		?	**Hakone** (Honshu-Japan)	0803-02=		
T-**0050** ?		?	**Norikura** (Honshu-Japan)	0803-06=	3	8/7
T-**0050** *		?	**Adatara** (Honshu-Japan)	0803-17=		
G-**0050** x		?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	2	-/6
G-**0050** ?		?	**Hakkoda Group** (Honshu-Japan)	0803-28=	1	-/5
G-**0050** t		?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	6/7
T-**0050** ?		?	**Shikotsu** (Hokkaido-Japan)	0805-04=	3	-/7
G-**0050** ?		?	**Akan** (Hokkaido-Japan)	0805-07=	P	
T-**0050** ?		?	**Medvezhia** (Kuril Is)	0900-10=		
T-**0050** ?		?	**Zhupanovsky** (Kamchatka)	1000-12=		
T-**0050** ?		?	**Kronotsky** (Kamchatka)	1000-20=		
C-**0050** ?		?	**South Sister** (US-Oregon)	1202-08-	3	8/7
M-**0050** ?		?	**Medicine Lake** (US-California)	1203-02-	0	7/-
K-**0050** *		?	**Loihi** (Hawaiian Is)	1302-00-	0	
G-**0050** w		?	**Kilauea** (Hawaiian Is)	1302-01-		
K-**0050** *		?	**Adams Seamount** (Pacific-C)	1303-05-	0	
M-**0050** *		?	**Northern EPR-Segment RO2**	1304-02-	0	
M-**0050** *		?	**Northern EPR-Segment RO3**	1304-021	0	
U-**0050** *		?	**Unnamed [East Pacific Rise]**	1304-05-	0	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-**0050** v		?	**Apoyeque** (Nicaragua)	1404-091	**6**	**-/10**
T-**0050** ?		?	**Chacana** (Ecuador)	1502-022		
T-**0050** ?		?	**Cotopaxi** (Ecuador)	1502-05=	3	7/7
C-**0050** ?		?	**Tungurahua** (Ecuador)	1502-08=	3?	
T-**0050** ?		?	**Grimsvötn** (Iceland-NE)	1703-01=	2	
T-**0050** ?		?	**Krafla** (Iceland-NE)	1703-08=	2	
M-**0050** ?		?	**Bouvet** (Atlantic-S)	1806-02-		
-0049		?	**Etna** (Italy)	0101-06=		
-0044	03 ?	?	**Etna** (Italy)	0101-06=	3?	
C-**0040** u		?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
-0036	0715q	?	**Etna** (Italy)	0101-06=		
-0035	*Cont*		*Etna (Italy)*	0101-06=		
-0032	1231y	?	**Etna** (Italy)	0101-06=		
C-**0030** ?		?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
-0024 e		?	**Vulcano** (Italy)	0101-05=		
G-**0020** t		?	**Chichón, El** (México)	1401-12=		
C-**0020** u		?	**Gran Canaria** (Canary Is)	1803-04-		
?-0010 j		?	*Vulcano (Italy)*	0101-05=		
?-0010 ?		?	*Etna (Italy)*	0101-06=		
T-**0010** ?		?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
-0006 p		?	**Ischia** (Italy)	0101-03=		

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G **0000** t		?	**Tokachi** (Hokkaido-Japan)	0805-05=		
C **0000** w		?	**Arshan** (China-E)	1005-011		
0010 ?		>3yr	**Etna** (Italy)	0101-06=		
G **0010** x		?	**Mono Craters** (US-California)	1203-12-		
T **0010** ?		?	**Cayambe** (Ecuador)	1502-006		
G **0010** t		?	**Pelée** (W Indies)	1600-12=	4	-/8
0011	*Cont*		*Etna (Italy)*	0101-06=		
0012	*Cont*		*Etna (Italy)*	0101-06=		
0013	*Cont*		*Etna (Italy)*	0101-06=		
0014	*Cont*		*Etna (Italy)*	0101-06=		
0015	*Cont*		*Etna (Italy)*	0101-06=		
0016	*Cont*		*Etna (Italy)*	0101-06=		
0017	*Cont*		*Etna (Italy)*	0101-06=		
0018	*Cont*		*Etna (Italy)*	0101-06=		
0019	*Cont*		*Etna (Italy)*	0101-06=		
0020	*Cont*		*Etna (Italy)*	0101-06=		
G **0020** y		?	**Merapi** (Java)	0603-25=	P	
T **0030** ?		?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	3	-/7
T **0030** ?		?	**Katla** (Iceland-S)	1702-03=		
G **0030** w		?	**Tenerife** (Canary Is)	1803-03-		**9/-**
0039 a		?	**Etna** (Italy)	0101-06=		
G **0040** u		?	**Ischia** (Italy)	0101-03=	3	-/7
G **0040** x		?	**North Sister Field** (US-Oregon)	1202-07-	2?	
C **0040** s		?	**Orizaba, Pico de** (México)	1401-10=	3	
G **0040** t		?	**Turrialba** (Costa Rica)	1405-07=	4	-/8
C **0040** u		?	**Calbuco** (Chile-S)	1508-02=		
C **0040** ?		?	**Tenerife** (Canary Is)	1803-03-		
0046	1231	33*p*	**Santorini** (Greece)	0102-04=	3	
0047	*Cont*		*Santorini (Greece)*	0102-04=	*2*	
0050 t		?	**Stromboli** (Italy)	0101-04=	2	
0050 t		?	**Vulcano** (Italy)	0101-05=		
T **0050** t		?	**Elbrus** (Russia-SW)	0104-01-		
C **0050** v		?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	**6+**	**-/10**
T **0050** ?		?	**Fuji** (Honshu-Japan)	0803-03=	2	
T **0050** ?		?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	-/6
C **0050** ?		?	**Ilyinsky** (Kamchatka)	1000-03=		
T **0050** ?		?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T **0050** ?		?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T **0050** ?		?	**Tolbachik** (Kamchatka)	1000-24=	4+	8/8
T **0050** ?		?	**Bezymianny** (Kamchatka)	1000-25=		
G **0050** y		?	**Ichinsky** (Kamchatka)	1000-28=		
0050 t		?	**Tianshan Volc Group** (China-W)	1004-02-		
T **0050** ?		?	**Shasta** (US-California)	1203-01-	0	
C **0050** ?		?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C **0050** ?		?	**Pelée** (W Indies)	1600-12=	P	
C **0060** x		?	**Churchill** (Alaska-E)	1105-03-	**6**	**-/10**
C **0060** v		?	**Liamuiga** (W Indies)	1600-03=		
? 0069		?	*Ischia (Italy)*	0101-03=		
G **0070** w		?	**Sand Mountain Field** (US-Oregon)	1202-04-	2?	
G **0070** v		?	**Tacaná** (México)	1401-13=	4?	-/8
G **0070** u		?	**Guagua Pichincha** (Ecuador)	1502-02=	4	-/8
C **0070** w		?	**Cotopaxi** (Ecuador)	1502-05=	4	-/8
C **0070** s		?	**Terceira** (Azores)	1802-05=		
0079	1024?	4*b?*	**Vesuvius** (Italy)	0101-02=	5?	**-/9**
0080 a		?	**Ischia** (Italy)	0101-03=		
? 0080 ?		?	*Etna (Italy)*	0101-06=		
G **0080** t		?	**Rausu** (Hokkaido-Japan)	0805-082	3	-/7
C **0080** s		?	**Haleakala** (Hawaiian Is)	1302-06-		
C **0080** v		?	**Furnas** (Azores)	1802-10=	**5**	**-/9**
C **0090** s		?	**Orizaba, Pico de** (México)	1401-10=	3	7/7
C **0090** v		?	**Acatenango** (Guatemala)	1402-08=		
G **0090** y		?	**Misti, El** (Perú)	1504-01=		
A **0090** t		?	**Parinacota** (Chile-N)	1505-012		

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START YEAR M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T 0090 y	?	**Lanin** (Chile-C)	1507-122	0	
C 0090 v	?	**Sete Cidades** (Azores)	1802-08=	4	-/8
G 0090 u	?	**Tenerife** (Canary Is)	1803-03-		7/-
T 0100 v	?	**Etna** (Italy)	0101-06=		
C 0100 s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T 0100 ?	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
T 0100 ?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
T 0100 v	?	**Akan** (Hokkaido-Japan)	0805-07=		
T 0100 ?	?	**Avachinsky** (Kamchatka)	1000-10=		
T 0100 ?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G 0100 ?	?	**St. Helens** (US-Washington)	1201-05-	0	
C 0100 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C 0100 ?	?	**Tungurahua** (Ecuador)	1502-08=	3?	
C 0100 ?	?	**Deception Island** (Antarctica)	1900-03=		
C 0110 t	?	**Redoubt** (Alaska-SW)	1103-03-		
C 0110 ?	?	**Villarrica** (Chile-C)	1507-12=	0	
G 0110 x	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
G 0120 ?	?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	0	
G 0120 u	?	**Merapi** (Java)	0603-25=		
C 0120 v	?	**Leonard Range** (Mindanao-Philippines)	0701-031		
G 0120 ?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C 0120 x	?	**San Martin** (Mexico)	1401-11=		
T 0130 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	7/8
C 0130 ?	?	**Pelée** (W Indies)	1600-12=	P	
T 0130 ?	?	**Katla** (Iceland-S)	1702-03=		
G 0140 y	?	**Milos** (Greece)	0102-03=	1?	
C 0140 t	?	**Orizaba, Pico de** (Mexico)	1401-10=	3	
T 0140 y	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
0144	?	**Vulcano** (Italy)	0101-05=		
0145 ?	?	**Ischia** (Italy)	0101-03=		
0150 t	?	**Stromboli** (Italy)	0101-04=	2	
T 0150 ?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=	3?	-/7
C 0150 ?	?	**Garbuna Group** (New Britain-SW Pac)	0502-07=		
T 0150 ?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C 0150 ?	?	**Iwate** (Honshu-Japan)	0803-24=		
G 0150 t	?	**Oshima** (Izu Is-Japan)	0804-01=	3	
G 0150 v	?	**Mashu** (Hokkaido-Japan)	0805-081	4	-/8
T 0150 ?	?	**Tolbachik** (Kamchatka)	1000-24=		
T 0150 ?	?	**Bezymianny** (Kamchatka)	1000-25=		
C 0150 ?	?	**Shasta** (US-California)	1203-01-		
M 0150 y	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C 0150 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T 0150 ?	?	**Masaya** (Nicaragua)	1404-10=	5+	-/9
T 0150 ?	?	**Cotopaxi** (Ecuador)	1502-05=	4	-/8
E 0150 *	?	**Wolf** (Galapagos)	1503-02=	0	
G 0150 u	?	**Hengill** (Iceland-SW)	1701-05=	2	8/-
T 0150 v	?	**Torfajökull** (Iceland-S)	1702-05=	3	7/7
T 0150 v	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=	2?	8/-
C 0160 x	?	**Liamuiga** (W Indies)	1600-03=	P	
C 0160 w	?	**Agua de Pau** (Azores)	1802-09=		
G 0170 v	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
G 0170 p	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T 0170 ?	?	**Cayambe** (Ecuador)	1502-006		
0172	?	**Vesuvius** (Italy)	0101-02=	3?	
T 0180 ?	?	**Okataina [Te Kopia]** (New Zeal)	0401-05=		
T 0180 ?	?	**Maroa [Orakeikorako]** (New Zeal)	0401-061		
C 0180 v	?	**Cotopaxi** (Ecuador)	1502-05=	4	8/8
G 0190 y	?	**Merapi** (Java)	0603-25=		
C 0190 t	?	**Tengger Caldera** (Java)	0603-31=	2	
C 0190 x	?	**Wrangell** (Alaska-E)	1105-02-	C?	
G 0190 ?	?	**St. Helens** (US-Washington)	1201-05-		
G 0190 w	?	**Chichón, El** (Mexico)	1401-12=		
C 0190 s	?	**Terceira** (Azores)	1802-05=		
T 0190 ?	?	**Tenerife** (Canary Is)	1803-03-		7/-
A 0200 >	?	**Arhab, Harra of** (Arabia-S)	0301-09-	2?	
? 0200 ?	?	*Penanggungan (Java)*	0603-291		
T 0200 ?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
T 0200 ?	?	**Haku-san** (Honshu-Japan)	0803-05=		
G 0200 u	?	**Kuttara** (Hokkaido-Japan)	0805-034		
T 0200 ?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T 0200 y	?	**Uzon** (Kamchatka)	1000-17=		
G 0200 w	?	**Kanaga** (Aleutian Is)	1101-11-		
T 0200	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C 0200 t	?	**Glacier Peak** (US-Washington)	1201-02-	4+	-/8
T 0200 ?	?	**Adams** (US-Washington)	1201-04-	2	
C 0200 ?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G 0200 v	?	**Chichinautzin** (Mexico)	1401-08=	3	8/7
T 0200 ?	?	**Cayambe** (Ecuador)	1502-006		
C 0200 ?	?	**Tungurahua** (Ecuador)	1502-08=		
C 0200 u	?	**Melimoyu** (Chile-S)	1508-052		
C 0200 w	?	**Snaefellsjökull** (Iceland-W)	1700-01=		8/-
T 0200 ?	?	**Katla** (Iceland-S)	1702-03=		
0203	?	**Vesuvius** (Italy)	0101-02=	P	
T 0210 ?	?	**Aso** (Kyushu-Japan)	0802-11=	3	

Yuri Doubik (Inst. Volc., Kamchatka)

The broad Krasheninnikov volcano in the foreground underwent caldera collapse about 2100 years ago. The 800-m-wide crater of the Northern Cone (lower center) formed during an explosive eruption about 1100 years ago; the latest eruption at Krasheninnikov formed the small lava cone in the Northern Cone crater about 400 years ago. Conical Kronotsky volcano in the background is largely of Pleistocene age, but had weak phreatic eruptions during the 20th century.

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T	**0210**	?	?	**Poás** (Costa Rica)	1405-04=		
E	**0210**	z	?	**Darwin** (Galapagos)	1503-03=	0	
G	**0220**	v	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	0	
T	**0220**	?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
C	**0220**	u	?	**Orizaba, Pico de** (México)	1401-10=	3	
C	**0220**	u	?	**Calbuco** (Chile-S)	1508-02=		
C	**0220**	u	?	**Pelée** (W Indies)	1600-12=		
	0222		>3yr	**Vesuvius** (Italy)	0101-02=	2	
	0223	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0224	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0225	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0226	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0227	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0228	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0229	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0230	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
C	**0230**	?	?	**Sundoro** (Java)	0603-21=		
T	**0230**	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C	**0230**	x	?	**Augustine** (Alaska-SW)	1103-01-		
T	**0230**	?	?	**St. Helens** (US-Washington)	1201-05-	0	
G	**0230**	n	0315n	**Taupo** (New Zealand)	0401-07=	**6?**	**-/10**
	0231	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0232	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0233	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0234	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0235	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
C	**0240**	w	?	**Fuji** (Honshu-Japan)	0803-03=		
G	**0240**	v	?	**Ksudach** (Kamchatka)	1000-05=	**6**	**-/10**
G	**0240**	w	?	**Tenerife** (Canary Is)	1803-03-		
	0250	I	?	**Stromboli** (Italy)	0101-04=	2	
	0250	I	?	**Krakatau** (Indonesia)	0602-00=		
C	**0250**	x	?	**Iraya** (Luzon-N of)	0704-06-		
T	**0250**	?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
G	**0250**	x	?	**Nasu** (Honshu-Japan)	0803-15=	3	-/7
T	**0250**	v	?	**Oshima** (Izu Is-Japan)	0804-01=	3	
C	**0250**	w	?	**Oshima-Oshima** (Hokkaido-Japan)	0805-01=		
G	**0250**	?	?	**Akan** (Hokkaido-Japan)	0805-07=		
T	**0250**	?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
T	**0250**	?	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
T	**0250**	?	?	**Tolbachik** (Kamchatka)	1000-24=		
T	**0250**	?	?	**Bezymianny** (Kamchatka)	1000-25=		8/-
T	**0250**	?	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
U	**0250**	z	?	**Seguam** (Aleutian Is)	1101-18-		
C	**0250**	?	?	**Popocatépetl** (México)	1401-09=		
C	**0250**	w	?	**Quill, The** (W Indies)	1600-02=		
T	**0250**	'	?	**Hekla** (Iceland-S)	1702-07=		
T	**0250**	y	?	**Krafla** (Iceland-NE)	1703-08=	0	
	0252		0201 8*a*	**Etna** (Italy)	0101-06=	3?	
?	*0253*	<	?	*Erciyes Dağ (Turkey)*	0103-01=		
I	**0256**	?	?	***Unknown Source*** *(Byrd Station 1968)*	. . . . .		
T	**0260**	?	?	**Taupo** (New Zealand)	0401-07=	0	8/-
T	**0260**	z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	-/8
G	**0260**	w	?	**Barú** (Panama)	1406-01-		
G	**0260**	w	?	**Tolima, Nevado del** (Colombia)	1501-03=	3?	
T	**0260**	?	?	**Cayambe** (Ecuador)	1502-006		
T	**0260**	?	?	**Katla** (Iceland-S)	1702-03=		
T	**0270**	?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	1	
T	**0270**	?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	3	-/7
G	**0270**	?	?	**St. Helens** (US-Washington)	1201-05-		
G	**0270**	w	?	**Chimborazo** (Ecuador)	1502-071		
C	**0270**	k	?	**Katla** (Iceland-S)	1702-03=	3	-/7
G	**0280**	w	?	**Merapi** (Java)	0603-25=		
C	**0290**	?	?	**Pululagua** (Ecuador)	1502-011		
E	**0290**	y	?	**Parinacota** (Chile-N)	1505-012	0	
T	**0290**	?	?	**Katla** (Iceland-S)	1702-03=		
	0295	j	?	**Ischia** (Italy)	0101-03=		
T	**0300**	?	?	**Fuji** (Honshu-Japan)	0803-03=	1	
G	**0300**	x	?	**Zao** (Honshu-Japan)	0803-19=	4	-/8
T	**0300**	w	?	**Tolmachev Dol** (Kamchatka)	1000-082		
C	**0300**	?	?	**Imuruk Lake** (Alaska-W)	1104-06-		
C	**0300**	x	?	**Hood** (US-Oregon)	1202-01-		
C	**0300**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C	**0300**	?	?	**Pelée** (W Indies)	1600-12=	P	
?	*0303*		?	*Vesuvius (Italy)*	0101-02=	*2?*	
G	**0310**	v	?	**Pago** (New Britain-SW Pac)	0502-08=	**5**	**-/9**
G	**0320**	v	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T	**0320**	z	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3?	5/7
G	**0320**	x	?	**Mono Craters** (US-California)	1203-12-		
C	**0330**	t	?	**Tengger Caldera** (Java)	0603-31=	3?	
G	**0330**	x	?	**Nasu** (Honshu-Japan)	0803-15=	2	
C	**0330**	?	?	**Villarrica** (Chile-C)	1507-12=		
G	**0340**	?	?	**Nabukelevu** (Fiji Is-SW Pacific)	0405-03-		
G	**0340**	x	?	**Oshima** (Izu Is-Japan)	0804-01=	4	7/8
C	**0340**	?	?	**Akutan** (Aleutian Is)	1101-32-	**5**	**-/9**
T	**0350**	?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C	**0350**	?	?	**St. Andrew Strait [Lou Is.]**	0500-01=		
C	**0350**	y	?	**Fuji** (Honshu-Japan)	0803-03=	3	
G	**0350**	v	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
G	**0350**	v	?	**Mashu** (Hokkaido-Japan)	0805-081	2	-/6
T	**0350**	y	?	**Diky Greben** (Kamchatka)	1000-022		**10**/-
G	**0350**	?	?	**Ksudach** (Kamchatka)	1000-05=	2	-/6
C	**0350**	u	?	**Kizimen** (Kamchatka)	1000-23=		
I	**0350**	?	?	**Tolbachik** (Kamchatka)	1000-24=		
C	**0350**	?	?	**Longgang Group** (China-E)	1005-05-		
T	**0350**	v	?	**Mono Lake Volc Field** (US-California	1203-11-		
C	**0350**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C	**0350**	y	?	**Ruiz, Nevado del** (Colombia)	1501-02=	3	-/7
C	**0350**	?	?	**Tungurahua** (Ecuador)	1502-08=	3?	
G	**0350**	u	?	**Pelée** (W Indies)	1600-12=	4	-/8
T	**0350**	*	?	**Hekla** (Iceland-S)	1702-07=		
A	**0350**	j	1115 m	**Asama** (Honshu-Japan)	0803-11=	4	8/8
G	**0370**	s	?	**Kuju** (Kyushu-Japan)	0802-12=	3	**9**/7
C	**0370**	x	?	**Fuji** (Honshu-Japan)	0803-03=		
T	**0370**	x	?	**Cotopaxi** (Ecuador)	1502-05=		
E	**0370**	*	?	**Negra, Sierra** (Galápagos)	1503-05=	0	
G	**0370**	u	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
	0379		>3yr	**Vesuvius** (Italy)	0101-02=	2	
	0380	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
G	**0380**	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T	**0380**	u	?	**San Martín** (México)	1401-11=		
I	**0380**	y	?	**Sete Cidades** (Azores)	1802-08=	4	-/8
	0381	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0382	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0383	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0384	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0385	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0386	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0387	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0388	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0389	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0390	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
C	**0390**	s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C	**0390**	v	?	**Kikai** (Ryukyu Is)	0802-06=	3	
T	**0390**	u	?	**Veer** (Kamchatka)	1000-121	2?	
G	**0390**	w	?	**Hudson, Cerro** (Chile-S)	1508-057		
C	**0390**	s	?	**Plat Pays, Morne** (W Indies)	1600-11=		
	0391	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0392	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0393	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0394	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
	0395	*Cont*		*Vesuvius (Italy)*	0101-02=	*2*	
C	**0400**	y	?	**Kaikohe-Bay of Islands** (New Zeal)	0401-01=		
T	**0400**	?	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
G	**0400**	t	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T	**0400**	?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
T	**0400**	z	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=		
T	**0400**	?	?	**Avachinsky** (Kamchatka)	1000-10=		
T	**0400**	?	?	**Tolbachik** (Kamchatka)	1000-24=	4+	8/8
C	**0400**	t	?	**Fisher** (Aleutian Is)	1101-35-		
G	**0400**	v	?	**Chichinautzin [Xitle]** (Mexico)	1401-08=	3?	**9**/-
C	**0400**	t	?	**Pacaya** (Guatemala)	1402-11=	2	
A	**0400**	?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
G	**0400**	w	?	**Lanín** (Chile-C)	1507-122		
T	**0400**	?	?	**Katla** (Iceland-S)	1702-03=		
G	**0410**	w	?	**Merapi** (Java)	0603-25=	3	-/7
C	**0410**	t	?	**Maca** (Chile-S)	1508-056		
	0416		?	**Krakatau** (Indonesia)	0602-00=	**C**	
	0417	?	?	**Etna** (Italy)	0101-06=		
G	**0420**	?	?	**St. Helens** (US-Washington)	1201-05-		
T	**0420**	p	?	**Kilauea** (Hawaiian Is)	1302-01-		
C	**0420**	v	?	**Osorno** (Chile-S)	1508-01=	4?	
G	**0430**	v	?	**Rincón de la Vieja** (Costa Rica)	1405-02=		
G	**0430**	z	?	**Irazú** (Costa Rica)	1405-06=	3	
G	**0440**	u	?	**Aso** (Kyushu-Japan)	0802-11=		
G	**0440**	v	?	**Rainier** (US-Washington)	1201-03-		
G	**0440**	w	?	**North Sister Field** (US-Oregon)	1202-07-	2?	8/-
C	**0440**	v	?	**Mono Craters** (US-California)	1203-12-		
T	**0450**	t	?	**Haruna** (Honshu-Japan)	0803-122	3	-/7
G	**0450**	?	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	1	-/6
T	**0450**	?	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
C	**0450**	?	?	**Komarov** (Kamchatka)	1000-22=	0	
T	**0450**	?	?	**Tolbachik** (Kamchatka)	1000-24=	3	**9**/7
M	**0450**	<	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C	**0450**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G	**0450**	r	?	**Ilopango** (El Salvador)	1403-06=	**6+**	**-/10**
C	**0450**	?	?	**Pelée** (W Indies)	1600-12=	**P**	
C	**0460**	?	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
C	**0460**	?	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C	**0470**	?	?	**Sundoro** (Java)	0603-21=		
C	**0470**	u	?	**Mayon** (Philippines)	0703-03=		
C	**0470**	t	?	**Iraya** (Luzon-N of)	0704-06-		
C	**0470**	v	?	**Fuji** (Honshu-Japan)	0803-03=	3?	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
0472	1105	*1a?*	**Vesuvius** (Italy)	0101-02=	**5**	**-/9**
G **0480** u	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G **0480** u	....	?	**Merapi** (Java)	0603-25=		
G **0480** ?	....	?	**Belknap** (US-Oregon)	1202-06-	2?	
C **0480** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C **0480** t	....	?	**San Martin** (México)	1401-11=		
G **0480** x	....	?	**Chichón, El** (México)	1401-12=		
C **0480** u	....	?	**Tungurahua** (Ecuador)	1502-08=		8/-
G **0490** v	....	?	**Newberry** (US-Oregon)	1202-11-	4	-/8
C **0490** v	....	?	**Mono Craters** (US-California)	1203-12-		

500

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
0500 v	....	?	**Arhab, Harra of** (Arabia-S)	0301-09-	0	
G **0500** v	....	?	**Haku-san** (Honshu-Japan)	0803-05=		
G **0500** l	....	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
G **0500** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
G **0500** v	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
T **0500** ?	....	?	**Katla** (Iceland-S)	1702-03=		
M **0500** t	....	?	**Lanzarote** (Canary Is)	1803-06-		
I **0505** ?	....	?	***Unknown Source*** *(Byrd Station 1968)*	.....		
? 0505	*1109*	*?*	*Vesuvius (Italy)*	0101-02=	*2?*	
C **0510** x	....	?	**Augustine** (Alaska-SW)	1103-01-		
C **0510** w	....	?	**Hood** (US-Oregon)	1202-01-		
0512	0708	?	**Vesuvius** (Italy)	0101-02=	4?	
C **0520** w	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G **0520** v	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C **0520** v	....	?	**Karkar** (New Guinea-NE of)	0501-03=	**C**	
C **0520** v	....	?	**Fuji** (Honshu-Japan)	0803-03=	2	
C **0520** x	....	?	**Calbuco** (Chile-S)	1508-02=		
A **0520** j	0601p	?	**Haruna** (Honshu-Japan)	0803-122	4+	-/8
0526 ?	....	?	**Vulcano** (Italy)	0101-05=	3	
T **0530** ?	....	?	**Fuji** (Honshu-Japan)	0803-03=	3	
T **0530** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
0536	....	?	**Vesuvius** (Italy)	0101-02=		
G **0540** w	....	?	**Ischia** (Italy)	0101-03=		
C **0540** v	....	?	**Rabaul** (New Britain-SW Pac)	0502-14=	**6**	-/**10**
G **0540** t	....	?	**Merapi** (Java)	0603-25=		
C **0540** u	....	?	**Alamagan** (Mariana Is-C Pacific)	0804-18=		
G **0540** x	....	?	**Kilauea** (Hawaiian Is)	1302-01-		
G **0540** w	....	?	**Colima** (Mexico)	1401-04=		
T **0540** ?	....	?	**Katla** (Iceland-S)	1702-03=		
0550 t	....	?	**Stromboli** (Italy)	0101-04=	3	
T **0550** ?	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C **0550** ?	....	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
C **0550** ?	....	?	**Yasur** (Vanuatu-SW Pacific)	0507-10=		
T **0550** ?	....	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	2	-/6
G **0550** v	....	?	**Rausu** (Hokkaido-Japan)	0805-082	4	-/8
T **0550** ?	....	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G **0550** ?	....	?	**Kikhpinych** (Kamchatka)	1000-18=	3	7/7
T **0550** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	3	**9**/7
C **0550** ?	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=		
T **0550** ?	....	?	**Ichinsky** (Kamchatka)	1000-28=		
C **0550** ?	....	?	**Akutan** (Aleutian Is)	1101-32-		
C **0550** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T **0550** ?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
G **0550** u	....	?	**Guagua Pichincha** (Ecuador)	1502-02=		
T **0550** x	....	?	**Cotopaxi** (Ecuador)	1502-05=		
T **0550** w	....	?	**Chimborazo** (Ecuador)	1502-071		
T **0550** ?	....	?	**Eyjafjallajökull** (Iceland-S)	1702-02=		
T **0550** *	....	?	**Hekla** (Iceland-S)	1702-07=		
A **0550** j	0601p	?	**Haruna** (Honshu-Japan)	0803-122	**5**	8/**9**
? 0553	....	*?*	*Aso (Kyushu-Japan)*	0802-11=	*3↑*	
G **0560** w	....	?	**Lanín** (Chile-C)	1507-122		
T **0570** ?	....	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=		
? 0573	*03*	*?*	*Chokai (Honshu-Japan)*	0803-22=		
? 0577	*1201p*	*226s*	*Chokai (Honshu-Japan)*	0803-22=		
? 0578	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=		
V **0580** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
T **0580** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
G **0590** v	....	?	**Chichón, El** (Mexico)	1401-12=	3	-/7
C **0590** u	....	?	**Fuego** (Guatemala)	1402-09=		
T **0590** ?	....	?	**Katla** (Iceland-S)	1702-03=		
G **0600** ?	....	?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	0	
G **0600** u	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
T **0600** ?	....	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	8/8
G **0600** x	....	?	**Azuma** (Honshu-Japan)	0803-18=		
V **0600** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
T **0600** y	....	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
T **0600** y	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
T **0600** ?	....	?	**Bezymianny** (Kamchatka)	1000-25=		
G **0600** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	-/**9**
C **0600** u	....	?	**Inyo Craters** (US-California)	1203-13-	4?	7/7
C **0600** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C **0600** ?	....	?	**Tungurahua** (Ecuador)	1502-08=	3?	
C **0600** v	....	?	**Picos Volc System** (Azores)	1802-081		
C **0600** ?	....	?	**Deception Island** (Antarctica)	1900-03=		
? 0610	*o*	....	*Chokai (Honshu-Japan)*	0803-22=		
G **0610** t	....	?	**Opala** (Kamchatka)	1000-08=	**5+**	8/**9**
C **0610** w	....	?	**Edziza** (Canada)	1200-06-		
T **0610** ?	....	?	**Katla** (Iceland-S)	1702-03=		
V **0625** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
G **0630** r	....	?	**Merapi** (Java)	0603-25=		
T **0630** ?	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	1	-/5
T **0630** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C **0630** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
I **0639** q	....	?	***Unknown Source*** *(GISP2, 149 ppb S)*	.....		
A **0640** ?	....	?	**'Uwayrid, Harrat** (Arabia-W)	0301-02=	2?	
G **0640** s	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	*?*	
G **0640** s	....	?	**Turrialba** (Costa Rica)	1405-07=		
C **0640** w	....	?	**Watt, Morne** (W Indies)	1600-101		
G **0640** r	08	?	**San Salvador** (El Salvador)	1403-05=	3?	
0641	....	?	**Rahat, Harrat** (Arabia-W)	0301-07=	2	
? 0644	....	*?*	*Etna (Italy)*	0101-06=		
0650 t	....	?	**Khaybar, Harrat** (Arabia-W)	0301-06=	2?	
G **0650** t	....	?	**Sanbe** (Honshu-Japan)	0803-002		
C **0650** ?	....	?	**Kikhpinych** (Kamchatka)	1000-18=		
T **0650** ?	....	?	**Krasheninnikov** (Kamchatka)	1000-19=	2	-/6
G **0650** s	....	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	-/**9**
0650 t	....	?	**Tianshan Volc Group** (China-W)	1004-02-		
G **0650** v	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C **0650** ?	....	?	**Cuicocha** (Ecuador)	1502-003		
C **0650** ?	....	?	**Pelée** (W Indies)	1600-12=		
T **0650** z	....	?	**Hekla** (Iceland-S)	1702-07=		
0654 ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
T **0660** ?	....	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4+	
C **0670** w	....	?	**Sete Cidades** (Azores)	1802-08=	3	7/7
C **0675** t	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=	3	-/7
G **0680** x	....	?	**Merapi** (Java)	0603-25=		
0680 ?	....	268*w>*	**Oshima** (Izu Is-Japan)	0804-01=	4	-/8
G **0680** x	....	?	**Blue Lake Crater** (US-Oregon)	1202-03-		
C **0680** u	....	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	
C **0680** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T **0680** ?	....	?	**Katla** (Iceland-S)	1702-03=		
0681	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*4*	*-/8*
0684 ?	1129	?	**Oshima** (Izu Is-Japan)	0804-01=		
0685	02	30*p?*	**Vesuvius** (Italy)	0101-02=	4	-/8
⊛ **0685**	04	?	**Asama** (Honshu-Japan)	0803-11=	3	
0686	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	2	-/6
G **0690** v	....	?	**Pago** (New Britain-SW Pac)	0502-08=	**5**	-/**9**
G **0690** v	....	?	**Newberry** (US-Oregon)	1202-11-	4	8/8
G **0690** s	....	?	**Irazú** (Costa Rica)	1405-06=	3	
T **0700** ?	....	?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=		
T **0700** ?	....	?	**Raoul Island** (Kermadec Is)	0402-03=	3	-/7
T **0700** ?	....	?	**Kirishima** (Kyushu-Japan)	0802-09=		
V **0700** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
T **0700** ?	....	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
T **0700** ?	....	?	**Ksudach** (Kamchatka)	1000-05=		
T **0700** ?	....	?	**Avachinsky** (Kamchatka)	1000-10=		
T **0700** t	....	?	**Kizimen** (Kamchatka)	1000-23=		
T **0700** t	....	?	**Bezymianny** (Kamchatka)	1000-25=	4?	-/8
T **0700** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
T **0700** y	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-	0	
T **0700** ?	....	?	**Mono Craters** (US-California)	1203-12-		8/-
T **0700** ?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
T **0700** y	....	?	**Ojos del Salado, Nevados** (Chile)	1505-13=		
C **0700** w	....	?	**Agua de Pau** (Azores)	1802-09=		
T **0700** ?	....	?	**Tenerife** (Canary Is)	1803-03-		6/-
M **0700** t	....	?	**Lanzarote** (Canary Is)	1803-06-		
? 0704	....	*?*	*Tate-yama (Honshu-Japan)*	0803-08=		
0706	09	?	**Haku-san** (Honshu-Japan)	0803-05=		
0708	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	*3↑*	
C **0710** u	....	?	**Pago** (New Britain-SW Pac)	0502-08=	**6**	-/**10**
G **0710** r	....	?	**Barú** (Panamá)	1406-01-		
0711 c	....	?	**Chokai** (Honshu-Japan)	0803-22=		
? 0712	....	*?*	*Sakura-jima (Kyushu-Japan)*	0802-08=	*3?*	
V **0713** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
0716	....	730*y*	**Sakura-jima** (Kyushu-Japan)	0802-08=	*3↑*	
0717	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*3↑*	
? 0717	*07*	*?*	*Chokai (Honshu-Japan)*	0803-22=		
0718	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*3↑*	
T **0720** ?	....	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C **0720** v	....	?	**Fuji** (Honshu-Japan)	0803-03=	2	
M **0720** ?	....	?	**Medicine Lake** (US-California)	1203-02-		8/-
C **0720** ?	....	?	**Pelée** (W Indies)	1600-12=		
0726	0715q	?	**Santorini** (Greece)	0102-04=	4?	7/-
0729	....	?	**Vulcano** (Italy)	0101-05=		
C **0730** ?	....	?	**Karkar** (New Guinea-NE of)	0501-03=	P	
C **0730** v	....	?	**Colima** (México)	1401-04=		
C **0730** x	....	?	**Tungurahua** (Ecuador)	1502-08=	4?	-/7
C **0740** w	....	?	**Tambora** (Lesser Sunda Is)	0604-04=		
C **0740** u	....	?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8

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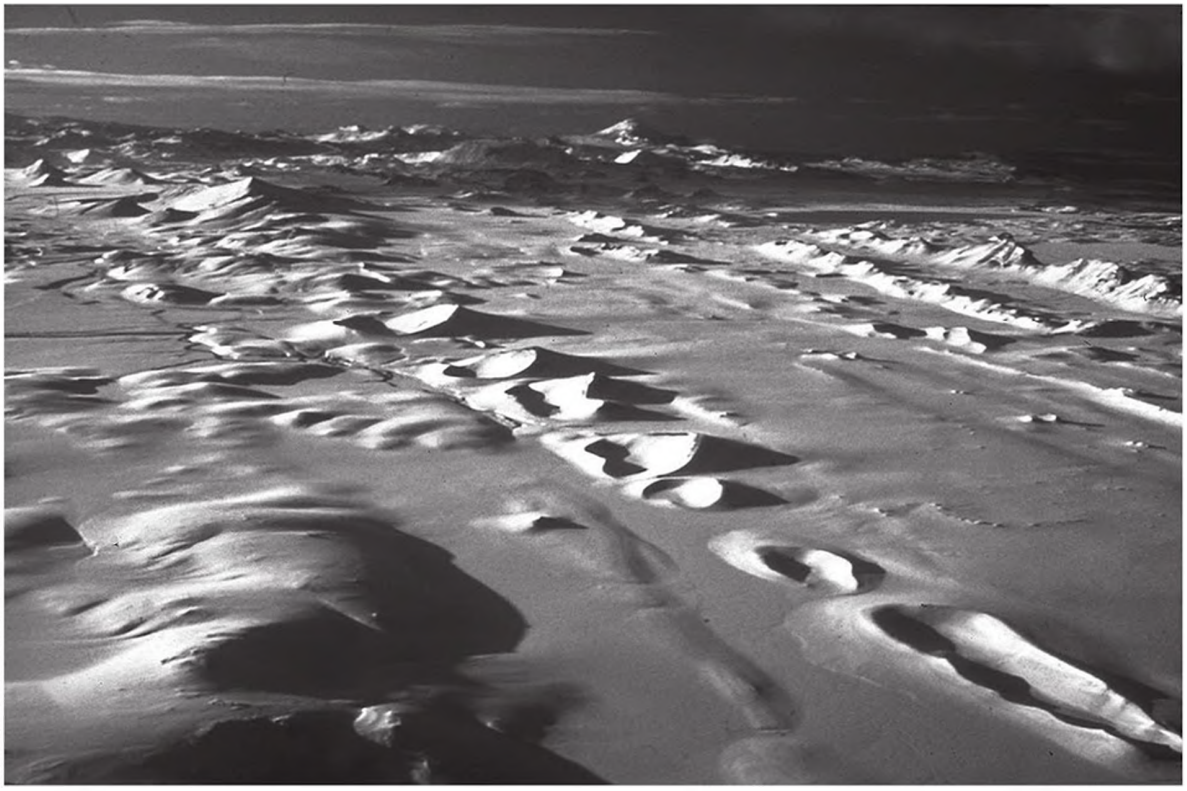

Ingibjörg Kaldal (Icelandic Nat. Energy Auth.)

The Vatnaoldur crater row, extending diagonally across the center of the photo SW from Iceland's Bardarbunga volcano, which lies beneath the Vatnajokull icecap, was the source of a large, dominantly explosive eruption at about 870 AD. The Vatnaoldur eruption originated from a 42-km-long fissure and produced 3.3 km³ of tephra at the time of the settlement of Iceland, forming the the Landnam (Settlement) tephra layer, which extends over much of southern Iceland.

	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	0742	1228	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	
G	**0750**	t	?	**Kuchino-shima** (Ryukyu Is)	0802-043		
T	**0750**	?	?	**Kikai** (Ryukyu Is)	0802-06=	3	
G	**0750**	t	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
I	**0750**	?	?	**Nemo Peak** (Kuril Is)	0900-32=		
T	**0750**	?	?	**Mutnovsky** (Kamchatka)	1000-06=	3	-/7
G	**0750**	?	?	**Krasheninnikov** (Kamchatka)	1000-19=	3	-/7
T	**0750**	?	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
A	**0750**	t	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C	**0750**	w	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/8
C	**0750**	?	?	**Machin** (Colombia)	1501-04=		
T	**0750**	?	?	**Hekla** (Iceland-S)	1702-07=		
	? 0753		?	*Dar-Alages (Armenia)*	0104-08-		
G	**0760**	v	?	**Misti, El** (Perú)	1504-01=		
	0764	01	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	
	0766	0720	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	3↑	
T	**0770**	?	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
T	**0770**	?	?	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	-/8
C	**0770**	x	?	**Hualalai** (Hawaiian Is)	1302-04-	1	8/-
C	**0770**	u	?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
	0771		?	**Tsurumi** (Kyushu-Japan)	0802-13=	0	
	? 0773	*11*	*?*	*Zao (Honshu-Japan)*	0803-19=		
	? 0774		?	*On-take (Honshu-Japan)*	0803-04=		
	0778		?	**Sakura-jima** (Kyushu-Japan)	0802-08=	0?	
G	**0780**	v	?	**Lipari** (Italy)	0101-042		
C	**0780**	y	?	**St. Helens** (US-Washington)	1201-05-		
G	**0780**	v	?	**Chichón, El** (Mexico)	1401-12=	5	-/9
T	**0780**	?	?	**Katla** (Iceland-S)	1702-03=		
	0781	07	16*m*	**Fuji** (Honshu-Japan)	0803-03=	3	
	0787	1015q	92*v*	**Vesuvius** (Italy)	0101-02=	3	
	0788	*Cont*		*Vesuvius (Italy)*	0101-02=	*3*	
	0788	0418	?	**Kirishima** (Kyushu-Japan)	0802-09=	4	-/8
C	**0790**	t	?	**Haleakala** (Hawaiian Is)	1302-06-		
C	**0790**	t	?	**Trois Pitons, Morne** (W Indies)	1600-10=		
	? 0796	*08*	?	*Aso (Kyushu-Japan)*	0802-11=	*0?*	
C	**0800**	t	?	**Dakataua** (New Britain-SW Pac)	0502-04=	6?	-/10
T	**0800**	?	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=		
T	**0800**	t	?	**Kostakan** (Kamchatka)	1000-122	3	7/7
G	**0800**	y	?	**Ichinsky** (Kamchatka)	1000-28=		
G	**0800**	V	?	**Churchill** (Alaska-E)	1105-03-	6	
M	**0800**	?	?	**Medicine Lake** (US-California)	1203-02-		8/-
G	**0800**	y	?	**Lassen [Chaos Crags]** (US-Calif)	1203-08-		
G	**0800**	t	?	**Almolonga [C. Quemado]** (Guat)	1402-04=	3	7/7
C	**0800**	?	?	**Tungurahua** (Ecuador)	1502-08=		
T	**0800**	t	?	**Hekla** (Iceland-S)	1702-07=		
G	**0800**	w	?	**Tenerife** (Canary Is)	1803-03-	0	8/-
	0800	0411	674*m>*	**Fuji** (Honshu-Japan)	0803-03=	4	
	0801	*Cont*		*Fuji (Honshu-Japan)*	0803-03=	*2*	
	0802	*Cont*		*Fuji (Honshu-Japan)*	0803-03=	*2*	
	? 0804		*730y*	*Chokai (Honshu-Japan)*	0803-22=		
	? 0805	*Cont*		*Chokai (Honshu-Japan)*	0803-22=		
	? 0806	*Cont*		*Chokai (Honshu-Japan)*	0803-22=		
	0806		?	**Bandai** (Honshu-Japan)	0803-16=	3	
	0807	?	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	3	-/7
	? 0807	*1101*	?	*Akita-Yake-yama (Honshu-Japan)*	0803-26=		
G	**0810**	y	?	**Mono Craters** (US-California)	1203-12-	4	-/8
C	**0810**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	? 0812	*?*	?	*Etna (Italy)*	0101-06=		*8/5*
	0813	?	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=		
	? 0814		?	*Etna (Italy)*	0101-06=		
	0817	g	?	**Chokai** (Honshu-Japan)	0803-22=		
G	**0820**	y	?	**Ischia** (Italy)	0101-03=		
C	**0820**	r	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T	**0820**	?	?	**Katla** (Iceland-S)	1702-03=		
C	**0820**	s	?	**Terceira** (Azores)	1802-05=		
V	**0822**	?	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
I	**0823**	0301t	?	**Popocatépetl** (Mexico)	1401-09=	P	
	0826	1231p	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
C	**0830**	s	?	**Kikai** (Ryukyu Is)	0802-06=		
	0830		?	**Fuji** (Honshu-Japan)	0803-03=	2	
T	**0830**	q	?	**Kikhpinych** (Kamchatka)	1000-18=		
T	**0830**	q	?	**Medicine Lake** (US-California)	1203-02-		7/-
C	**0830**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	0830	01	?	**Chokai** (Honshu-Japan)	0803-22=		
	? 0832		?	*Kozu-shima (Izu Is-Japan)*	0804-03=		
	0832	0623	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
	0837		730*y?*	**Kirishima** (Kyushu-Japan)	0802-09=	3	
	0837	0527	?	**Narugo** (Honshu-Japan)	0803-20=	1	
	0838	*Cont*		*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	0838	? 08 ?	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
	0838	0802?	?	**Kozu-shima** (Izu Is-Japan)	0804-03=	4	8/8
	0839	*Cont*		*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	? 0839	*1014*	?	*Chokai (Honshu-Japan)*	0803-22=		
C	**0840**	v	?	**Furnas** (Azores)	1802-10=	4	7/8
	0843		>3yr	**Kirishima** (Kyushu-Japan)	0802-09=	2?	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	0844	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
	0845	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
	0846	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
	0847	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
	0848	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
C	**0850** t	....	?	**Bayuda Volc Field** (Africa-N)	0205-06-		
I	**0850** ?	....	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
C	**0850** y	....	?	**Yasur** (Vanuatu-SW Pacific)	0507-10=		
	0850 t	....	?	**Krakatau** (Indonesia)	0602-00=		
	? 0850 t	....	?	*Galunggung (Java)*	0603-14=		
	0850 ?	....	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	7/8
G	**0850** x	....	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=		
T	**0850** z	....	?	**Shiretoko-Iwo-zan** (Hokkaido-Japan)	0805-09=		
G	**0850** ?	....	?	**Krasheninnikov** (Kamchatka)	1000-19=		
T	**0850** ?	....	?	**Kizimen** (Kamchatka)	1000-23=	3	7/7
T	**0850** ?	....	?	**Bezymianny** (Kamchatka)	1000-25=		
C	**0850** t	....	?	**Kinenin** (Kamchatka)	1000-551	4	-/8
G	**0850** x	....	?	**Kanaga** (Aleutian Is)	1101-11-		
C	**0850** ?	....	?	**Shasta** (US-California)	1203-01-		
G	**0850** w	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
U	**0850** x	....	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
T	**0850** ?	....	?	**Krafla** (Iceland-NE)	1703-08=	0	7/-
C	**0850** w	....	?	**Picos Volc System** (Azores)	1802-081		
	? 0853	....	?	*Haku-san (Honshu-Japan)*	0803-05=		
	0854 ?	0914?	656*w?*	**Oshima** (Izu Is-Japan)	0804-01=	4	-/8
	0855	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*4*	*-/8*
	0856	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*4*	*-/8*
	? 0856	....	?	*Chokai (Honshu-Japan)*	0803-22=		
	0856 ?	....	365*w?*	**Nii-jima** (Izu Is-Japan)	0804-02=	2	7/6
	0857	*Cont*	....	*Nii-jima (Izu Is-Japan)*	0804-02=	*2*	*7/6*
	0857	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	? 0857	*05*	?	*Chokai (Honshu-Japan)*	0803-22=		
	0858	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	? 0859	....	?	*Etna (Italy)*	0101-06=		
	? 0859	....	?	*Haku-san (Honshu-Japan)*	0803-05=		
M	**0860** t	....	?	**Vesuvius** (Italy)	0101-02=	0?	
	? 0860	....	?	*Unzen (Kyushu-Japan)*	0802-10=		
G	**0860** u	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	**5**	**-/9**
C	**0860** v	....	?	**Hudson, Cerro** (Chile-S)	1508-057		
D	**0860** p	....	?	**Unknown Source** *(Irish peat tephra)*	.....		
	? 0860	*04*	?	*Ibusuki [Kaimon] (Kyushu-Japan)*	0802-07=	*2?*	
	? 0861	*05*	?	*Chokai (Honshu-Japan)*	0803-22=	*3*	
	0864	0612?	599*p?*	**Fuji** (Honshu-Japan)	0803-03=	3	**9**/-
	0864	1109	?	**Aso** (Kyushu-Japan)	0802-11=	3?	
	0865	*Cont*	....	*Fuji (Honshu-Japan)*	0803-03=	*2*	
	0866	*Cont*	....	*Fuji (Honshu-Japan)*	0803-03=	*2*	
	? 0866	*05*	?	*Ibusuki [Kaimon] (Kyushu-Japan)*	0802-07=	*2?*	
	0867	0304	61*m*	**Tsurumi** (Kyushu-Japan)	0802-13=	3	
	0867	0620?	?	**Aso** (Kyushu-Japan)	0802-11=	2	
G	**0870** v	....	?	**Merapi** (Java)	0603-25=		
C	**0870** v	....	?	**Alamagan** (Mariana Is-C Pacific)	0804-18=	4	-/8
I	**0870** ?	....	?	**Torfajökull** (Iceland-S)	1702-05=	3	8/7
T	**0870** ?	....	?	**Bárdarbunga [Vatnaöldur]**	1703-03=	4	7/**9**
	0870	08	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
	0871	0505	?	**Chokai** (Honshu-Japan)	0803-22=	2	7/6
	0874	0329	110*m?*	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	
C	**0875** t	....	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	8/-
T	**0880** ?	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
G	**0880** y	....	?	**Lassen [Chaos Crags]** (US-Calif)	1203-08-		
I	**0880** z	....	?	**Pacaya** (Guatemala)	1402-11=	3?	
T	**0880** ?	....	?	**Cayambe** (Ecuador)	1502-006		
T	**0880** ?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	? 0882	*11*	?	*Ibusuki [Kaimon] (Kyushu-Japan)*	0802-07=	*2?*	
	? 0884	....	?	*Haku-san (Honshu-Japan)*	0803-05=		
	0884 ?	....	?	**Zao** (Honshu-Japan)	0803-19=	3	-/7
	? 0884	*0726*	*20m*	*Chokai (Honshu-Japan)*	0803-22=		
	0885	0829	30*a*	**Ibusuki [Kaimon]** (Kyushu-Japan)	0802-07=	4	
	0886 ?	0629?	?	**Oshima** (Izu Is-Japan)	0804-01=	4	4/8
	0886	0629	?	**Nii-jima** (Izu Is-Japan)	0804-02=	4+	8/8
	0887	....	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	4	-/8
C	**0890** w	....	?	**Augustine** (Alaska-SW)	1103-01-		
C	**0890** v	....	?	**Medicine Lake** (US-California)	1203-02-	3	8/7
C	**0890** s	....	?	**San Martín** (Mexico)	1401-11=		
G	**0890** x	....	?	**Galeras** (Colombia)	1501-08=	2	-/6
G	**0890** v	....	?	**Pelée** (W Indies)	1600-12=	P	
M	**0900** s	....	?	**Vesuvius** (Italy)	0101-02=	0?	
	? 0900 ?	....	?	*Haku-san (Honshu-Japan)*	0803-05=		
I	**0900** ?	....	?	**Avachinsky** (Kamchatka)	1000-10=		
C	**0900** t	....	?	**Kikhpinych** (Kamchatka)	1000-18=	3?	-/8
T	**0900** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	4	**9/9**
C	**0900** t	....	?	**Glacier Peak** (US-Washington)	1201-02-	3?	-/8
T	**0900** t	....	?	**Kilauea** (Hawaiian Is)	1302-01-		
C	**0900** u	....	?	**Fuego** (Guatemala)	1402-09=		
C	**0900** v	....	?	**Planchón-Peteroa** (Chile-C)	1507-04=	3	-/7
T	**0900** ?	....	?	**Krísuvík** (Iceland-SW)	1701-03=	2	8/-
C	**0900** v	....	?	**La Palma** (Canary Is)	1803-01-		
C	**0900** ?	....	?	**Deception Island** (Antarctica)	1900-03=		
	? 0904 ?	....	?	*Katla (Iceland-S)*	1702-03=		
C	**0905** u	....	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
G	**0910** z	....	?	**Rainier** (US-Washington)	1201-03-		
C	**0910** s	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
G	**0910** v	....	?	**Guagua Pichincha** (Ecuador)	1502-02=	**5**	**-/9**
C	**0910** v	....	?	**Osorno** (Chile-S)	1508-01=		
C	**0910** ?	....	?	**Pelée** (W Indies)	1600-12=		
C	**0910** u	....	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	7/-
T	**0910** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	? 0911	....	?	*Etna (Italy)*	0101-06=		
	0915	0817	?	**Towada** (Honshu-Japan)	0803-271	**5**	8/**9**
C	**0920** t	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
C	**0920** t	....	?	**Trois Pitons, Morne** (W Indies)	1600-10=		
T	**0920** ?	....	?	**Reykjanes** (Iceland-SW)	1701-02=		
T	**0920** ?	....	?	**Eyjafjallajökull** (Iceland-S)	1702-02=	3	7/7
	0920	....	?	**Katla** (Iceland-S)	1702-03=	4	-/8
C	**0920** t	....	?	**Terceira** (Azores)	1802-05=		
	0925 q	....	?	**Vulcano** (Italy)	0101-05=	3?	
C	**0930** x	....	?	**Ceboruco** (Mexico)	1401-03=	**6**	**-/10**
	0932	1119	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
I	**0934** b	....	>3yr	**Katla [Eldgja]**	1702-03=	4?	**10/9**
	I 0935	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
	I 0936	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
	? 0936	....	?	*Oshima (Izu Is-Japan)*	0804-01=		
	I 0937	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
	0937	1218	?	**Fuji** (Honshu-Japan)	0803-03=	2	
	I 0938	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
	I 0939	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
	0939	0515	?	**Chokai** (Honshu-Japan)	0803-22=		
	I 0940	*Cont*	....	*Katla [Eldgja]*	1702-03=	*4?*	
G	**0940** v	....	?	**Merapi** (Java)	0603-25=	3	-/7
C	**0940** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T	**0940** ?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
C	**0940** v	....	?	**Picos Volc System** (Azores)	1802-081		
	0945	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	? 0948	*1231y*	?	*Chokai (Honshu-Japan)*	0803-22=		
	0950 t	....	?	**Stromboli** (Italy)	0101-04=	2	
	? 0950 ?	....	?	*Bir Borhut (Arabia-S)*	0301-18-		
T	**0950** ?	....	?	**Pago** (New Britain-SW Pac)	0502-08=		
C	**0950** ?	....	?	**Hargy** (New Britain-SW Pac)	0502-10=		
	0950 t	....	?	**Krakatau** (Indonesia)	0602-00=		
C	**0950** ?	....	?	**Bulusan** (Luzon-Philippines)	0703-01=		
T	**0950** t	....	?	**Adatara** (Honshu-Japan)	0803-17=		
G	**0950** t	....	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
T	**0950** ?	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
T	**0950** ?	....	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G	**0950** ?	....	?	**Karymsky** (Kamchatka)	1000-13=		
C	**0950** >	....	?	**Komarov** (Kamchatka)	1000-22=		
T	**0950** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	4+	8/8
T	**0950** ?	....	?	**Bezymianny** (Kamchatka)	1000-25=	4?	-/8
C	**0950** ?	....	?	**Shishaldin** (Aleutian Is)	1101-36-		
F	**0950** *	....	?	**Edziza** (Canada)	1200-06-	3	-/7
T	**0950** ?	....	?	**Adams** (US-Washington)	1201-04-	2	
V	**0950** ?	....	?	**Jefferson [S Cinder Peak]** (US)	1202-02-		
U	**0950** *	....	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
T	**0950** ?	....	?	**Cotopaxi** (Ecuador)	1502-05=	3	-/7
E	**0950** z	....	?	**Fernandina** (Galapagos)	1503-01=	0	
E	**0950** >	....	?	**Wolf** (Galápagos)	1503-02=	0	
C	**0950** ?	....	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	8/6
T	**0950** t	....	?	**Hveravellir** (Iceland-SW)	1701-08=	2	**9**/6
T	**0950** ?	....	?	**Katla** (Iceland-S)	1702-03=		
C	**0950** v	....	?	**Sete Cidades** (Azores)	1802-08=	2	7/6
R	**0950** *	....	?	**Erebus** (Antarctica)	1900-02=	0	
	? 0952	*03*	*?*	*Fuji (Honshu-Japan)*	0803-03=		
G	**0960** ?	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	A 0960 j	....	?	*Ljósufjöll (Iceland-W)*	1700-03=	*3*	*8/7*
T	**0960** ?	....	?	**Katla** (Iceland-S)	1702-03=	3	-/7
I	**0960** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	0968	1201p	?	**Vesuvius** (Italy)	0101-02=	4	-/8
C	**0970** r	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G	**0970** u	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
G	**0970** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C	**0970** t	....	?	**Fuego** (Guatemala)	1402-09=		
G	**0980** y	....	?	**Lassen [Chaos Crags]** (US-Calif)	1203-08-		
C	**0980** t	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
	? 0986	*0902*	?	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
	0989	....	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=		
C	**0990** t	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
	0991	....	?	**Vesuvius** (Italy)	0101-02=	3	
	? 0993	*0901p*	?	*Fuji (Honshu-Japan)*	0803-03=		
	0999	....	?	**Vesuvius** (Italy)	0101-02=	3	
	? 0999	....	?	*Chokai (Honshu-Japan)*	0803-22=		
	0999	03	?	**Fuji** (Honshu-Japan)	0803-03=	2?	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1000						
	1000 <	....	?	**Lunayyir, Harrat** (Arabia-W)	0301-04-		
	1000	....	?	**Kelut** (Java)	0603-28=	3	
T	**1000** ?	....	?	**Kirishima** (Kyushu-Japan)	0802-09=		
G	**1000** t	....	?	**Ksudach** (Kamchatka)	1000-05=	4+	-/8
T	**1000** z	....	?	**Zhupanovsky** (Kamchatka)	1000-12=		
T	**1000** t	....	?	**Kostakan** (Kamchatka)	1000-122	3	7/7
T	**1000** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	4+	**9**/8
T	**1000** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/8
G	**1000** n	....	?	**Khangar** (Kamchatka)	1000-272		
C	**1000** ?	....	?	**Gorny Institute** (Kamchatka)	1000-55-		
G	**1000** s	....	?	**Changbaishan** (China-E)	1005-06-	**7**?	-/**10**
H	**1000** x	....	?	**Mono Craters** (US-California)	1203-12-		
A	**1000** x	....	?	**Kick 'em Jenny** (W Indies)	1600-16=		
	1000	0625d	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	0	8/-
	1002	....	?	**Halla** (Korea)	1006-04-		
	? 1004	....	?	*Etna (Italy)*	0101-06=		
	1005	1231y	?	**Vesuvius** (Italy)	0101-02=	3	
	1007	....	?	**Halla** (Korea)	1006-04-		
G	**1010** q	....	?	**Merapi** (Java)	0603-25=		
C	**1010** s	....	?	**Kikai** (Ryukyu Is)	0802-06=		
C	**1010** s	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
I	**1010** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	? 1017	*1001p*	?	*Fuji (Honshu-Japan)*	0803-03=		
T	**1020** ?	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C	**1020** t	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
T	**1020** ?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
M	**1030** w	....	?	**Barrier, The** (Africa-E)	0202-03=	0	
C	**1030** q	....	?	**Billy Mitchell** (Bougainville-SW Pacific)	0505-011	**5**+	-/**9**
C	**1030** s	....	?	**Kikai** (Ryukyu Is)	0802-06=		
T	**1030** q	....	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
G	**1030** v	....	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	-/**9**
C	**1030** s	....	?	**Tacaná** (México)	1401-13=		
T	**1030** ?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C	**1030** u	....	?	**Tungurahua** (Ecuador)	1502-08=		
	1033	0119?	?	**Fuji** (Honshu-Japan)	0803-03=	2	
	1037	0127	6*a*	**Vesuvius** (Italy)	0101-02=	3	
M	**1040** u	....	?	**Vulcano** (Italy)	0101-05=	2?	
G	**1040** w	....	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
C	**1040** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T	**1040** ?	....	?	**Cayambe** (Ecuador)	1502-006	4	8/-
	1042	....	?	**Haku-san** (Honshu-Japan)	0803-05=	3?	
	? 1044	....	?	*Etna (Italy)*	0101-06=		
	? 1049	....	?	*Vesuvius (Italy)*	0101-02=	*1*	
M	**1050** w	....	?	**Barrier, The** (Africa-E)	0202-03=	0	
	1050 w	....	?	**Karthala** (Indian O.-W)	0303-01=		
T	**1050** v	....	?	**Pago** (New Britain-SW Pac)	0502-08=		
	1050 t	....	?	**Krakatau** (Indonesia)	0602-00=		
T	**1050** x	....	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
G	**1050** ?	....	?	**Karymsky** (Kamchatka)	1000-13=		
T	**1050** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	3	**9**/7
C	**1050** ?	....	?	**Tanaga** (Aleutian Is)	1101-08-		
T	**1050** ?	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C	**1050** v	....	?	**Ugashik-Peulik** (Alaska Peninsula)	1102-13-		
D	**1050** <	....	?	**Markagunt Plateau** (US-Utah)	1207-04-		
C	**1050** u	....	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	
C	**1050** v	....	?	**Hualalai** (Hawaiian Is)	1302-04-	1	8/-
	? 1050 t	....	?	*Michoacán [V. Santiago] (Mexico)*	1401-06=		
C	**1050** u	....	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/8
T	**1050** z	....	?	**Hekla** (Iceland-S)	1702-07=		
T	**1060**	....	?	**Nejapa-Miraflores** (Nicaragua)	1404-092	3?	
E	**1060** z	....	?	**Negra, Sierra** (Galapagos)	1503-05=	0	
T	**1060** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
G	**1060** v	....	?	**Tenerife** (Canary Is)	1803-03-		8/-
	1063 a	....	?	**Etna** (Italy)	0101-06=		
C	**1070** s	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C	**1070** x	....	?	**Karkar** (New Guinea-NE of)	0501-03=		
C	**1070** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	? 1073 e	....	?	*Vesuvius (Italy)*	0101-02=	*3*	
M	**1075** q	....	?	**Sunset Crater** (US-Arizona)	1209-02-	4?	8/-
C	**1075** u	....	?	**Krisuvík** (Iceland-SW)	1701-03=	0	7/-
G	**1080** v	....	?	**Mashu** (Hokkaido-Japan)	0805-081	**5**	-/**9**
M	**1080** q	....	?	**Medicine Lake** (US-California)	1203-02-	3?	**9**/7
C	**1080** s	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
G	**1080** u	....	?	**Ubinas** (Perú)	1504-02=	**5**	-/**9**
T	**1080** ?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1083	0417	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
	1085	....	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	6/-
M	**1090** t	....	?	**Barrier, The** (Africa-E)	0202-03=	0	
G	**1090** v	....	?	**Merapi** (Java)	0603-25=		
I	**1090** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
C	**1100** r	....	?	**Lolobau** (New Britain-SW Pac)	0502-13=	4	-/8
G	**1100** v	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
T	**1100** ?	....	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	2	
I	**1100** ?	....	?	**Avachinsky** (Kamchatka)	1000-10=		
A	**1100** u	....	?	**Uinkaret Field** (US-Arizona)	1209-01-	1	6/-
C	**1100** t	....	?	**Momotombo** (Nicaragua)	1404-09=		
	1104	1015q	?	**Hekla** (Iceland-S)	1702-07=	**5**	-/**9**
	1108	0829	41*m*	**Asama** (Honshu-Japan)	0803-11=	**5**	8/**9**
G	**1110** u	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
G	**1110** x	....	?	**Colima** (México)	1401-04=		
G	**1110** v	....	?	**Irazú** (Costa Rica)	1405-06=	3	
C	**1110** t	....	?	**Sete Cidades** (Azores)	1802-08=	2	7/6
	1111	....	?	**Nemrut Dagi** (Turkey)	0103-02=		
	1112	0309	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	? 1112	*1118*	*38e*	*Oshima (Izu Is-Japan)*	0804-01=		
	1113	0227	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
M	**1120** w	....	?	**Emuruangogolak** (Africa-E)	0202-051	0	
	1120 w	....	?	**Turfan** (China-W)	1004-01-		
	? 1128	....	?	*Asama (Honshu-Japan)*	0803-11=		
C	**1130** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G	**1130** w	....	?	**Barú** (Panama)	1406-01-		
C	**1130** u	....	?	**Cotopaxi** (Ecuador)	1502-05=	**5**	-/**9**
	1139	0601	8*a*	**Vesuvius** (Italy)	0101-02=	3	
G	**1140** w	....	?	**Merapi** (Java)	0603-25=		
G	**1140** u	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
G	**1140** v	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
	1150	....	?	**Vesuvius** (Italy)	0101-02=	3?	
C	**1150** ?	....	?	**Yasur** (Vanuatu-SW Pacific)	0507-10=	2	
	1150 t	....	?	**Krakatau** (Indonesia)	0602-00=		
G	**1150** ?	....	?	**Karymsky** (Kamchatka)	1000-13=	2	-/6
T	**1150** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
G	**1150** v	....	?	**Kanaga** (Aleutian Is)	1101-11-		
T	**1150** z	....	?	**Makushin** (Aleutian Is)	1101-31-		
H	**1150** x	....	?	**Mono Lake Volc Field** (US-California	1203-11-		
T	**1150** ?	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	
G	**1150** v	....	?	**Cofre de Perote** (México)	1401-096	2	**9**/-
E	**1150** >	....	?	**Fernandina** (Galapagos)	1503-01=	0	
E	**1150** >	....	?	**Ecuador** (Galapagos)	1503-011	0	
E	**1150** y	....	?	**Darwin** (Galapagos)	1503-03=	0	
T	**1150** t	....	?	**Katla** (Iceland-S)	1702-03=		
I	**1150** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1151	....	?	**Krisuvík** (Iceland-SW)	1701-03=	1	8/5
	1154	11	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
	1157	....	?	**Etna** (Italy)	0101-06=	2?	
	? 1157	....	?	*Orizaba, Pico de (México)*	1401-10=	*2*	
	1158	0119	?	**Hekla** (Iceland-S)	1702-07=	4	8/8
	1159 ?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1160	....	?	**Etna** (Italy)	0101-06=	2?	
M	**1160** w	....	?	**Emuruangogolak** (Africa-E)	0202-051	0	
G	**1160** w	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
C	**1160** u	....	?	**Pacaya** (Guatemala)	1402-11=	3?	
	1164 ?	....	?	**Etna** (Italy)	0101-06=	2?	
	1167	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
I	**1168** ?	....	?	***Unknown Source*** *(Byrd Station 68)*	.....		
	? 1169	*0204*	?	*Etna (Italy)*	0101-06=		
G	**1170** v	....	?	**Hakone** (Honshu-Japan)	0803-02=		
C	**1170** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
T	**1170** ?	....	?	**Torfajökull** (Iceland-S)	1702-05=		
C	**1170** v	....	?	**Furnas** (Azores)	1802-10=	4	-/8
A	**1175**	....	?	**Orizaba, Pico de** (México)	1401-10=	3?	
	? 1175	*01 ?*	?	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
I	**1176** u	....	?	***Unknown Source*** *(GISP2, 148, SP, 293)*	.....		
	1177 b	....	?	**Katla** (Iceland-S)	1702-03=	3	-/7
	? 1177	*0518*	?	*Haku-san (Honshu-Japan)*	0803-05=	*3?*	
	1179 <	....	?	**Reykjanes** (Iceland-SW)	1701-02=	2	
T	**1180** ?	....	?	**Reporoa [Waiotapu]** (New Zealand)	0401-06-		
C	**1180** v	....	?	**Dieng Volc Complex** (Java)	0603-20=		
G	**1180** w	....	?	**Machín** (Colombia)	1501-04=		
V	**1183** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	4	-/8
	1183	0528?	?	**Zao** (Honshu-Japan)	0803-19=	2?	
	1184	0207	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	? 1187	....	?	*Orizaba, Pico de (México)*	1401-10=	*2*	
	1188	....	?	**Krisuvík** (Iceland-SW)	1701-03=	1	7/5
G	**1190** r	....	?	**Merapi** (Java)	0603-25=		
G	**1190** s	....	?	**Kuchino-shima** (Ryukyu Is)	0802-043		
C	**1190** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G	**1190** w	....	?	**Chichón, El** (México)	1401-12=	4	-/8
C	**1190** ?	....	?	**Pelée** (W Indies)	1600-12=		
I	**1190** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1194	....	?	**Etna** (Italy)	0101-06=	2?	
	1198	....	?	**Campi Flegrei** (Italy)	0101-01=	1	
M	**1200** u	....	?	**Vulcano** (Italy)	0101-05=	2?	
G	**1200** v	....	?	**Kita Yatsuga-take** (Honshu-Japan)	0803-031		6/-
T	**1200** ?	....	?	**Avachinsky** (Kamchatka)	1000-10=		
T	**1200** t	....	?	**Kostakan** (Kamchatka)	1000-122	2	7/6
C	**1200** u	....	?	**Augustine** (Alaska-SW)	1103-01-		
T	**1200** y	....	?	**Hayes** (Alaska-SW)	1103-05-		
C	**1200** ?	....	?	**Shasta** (US-California)	1203-01-		
G	**1200** u	....	?	**Haleakala** (Hawaiian Is)	1302-06-		7/-

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
U	1200	y	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
A	1200	?	?	**San Salvador** (El Salvador)	1403-05=	4	-/8
T	1200	?	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	
T	1200	y	?	**Terceira** (Azores)	1802-05=		
C	1200	?	?	**Deception Island** (Antarctica)	1900-03=		
	1206	1204	?	**Hekla** (Iceland-S)	1702-07=	3	-/7
C	1210	w	?	**Ruapehu** (New Zealand)	0401-10=	3	-/7
	1210		?	**Reykjanes** (Iceland-SW)	1701-02=	3?	-/8
T	1210	?	?	**Katla** (Iceland-S)	1702-03=	4	-/8
I	1210	j	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1211		?	**Reykjanes** (Iceland-SW)	1701-02=		7/-
	1211	0831p	?	**Reykjanes** (Iceland-SW)	1701-02=	4?	-/8
T	1220	w	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
G	1220	w	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=		
C	1220	v	?	**Osorno** (Chile-S)	1508-01=		
	1222		?	**Unnamed** (Syria)	0300-02-	0?	
	1222		?	**Hekla** (Iceland-S)	1702-07=	2	-/6
	1223		?	**Reykjanes** (Iceland-SW)	1701-02=	3	-/7
	1224	08 ?	?	**Etna** (Italy)	0101-06=		
	1226	0715q	352*w?*	**Reykjanes** (Iceland-SW)	1701-02=	4	-/8
	1227	*Cont*		*Reykjanes (Iceland-SW)*	1701-02=	*4*	*-/8*
	1227	10 ?	?	**Zao** (Honshu-Japan)	0803-19=	3	
?	*1229*	*1231y*	*?*	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
M	1230	s	?	**Lipari** (Italy)	0101-042		
M	1230	p	?	**Vulcano** (Italy)	0101-05=	0	
M	1230	w	?	**Emuruangogolak** (Africa-E)	0202-051	0	
G	1230	x	?	**Merapi** (Java)	0603-25=		
I	1230	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1230	1129?	?	**Zao** (Honshu-Japan)	0803-19=	2?	
	1231		?	**Reykjanes** (Iceland-SW)	1701-02=	3	-/7
	1235	0125	?	**Kirishima** (Kyushu-Japan)	0802-09=	P	
	1238		?	**Reykjanes** (Iceland-SW)	1701-02=	0	
	1239	?	?	**Haku-san** (Honshu-Japan)	0803-05=	3	-/7
	1239	0208	?	**Aso** (Kyushu-Japan)	0802-11=	2	
G	1240	r	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
	1240		?	**Aso** (Kyushu-Japan)	0802-11=	2	
C	1240	w	?	**Hualalai** (Hawaiian Is)	1302-04-	2	8/-
C	1240	l	?	**Sollipulli** (Chile-C)	1507-111		
	1240		?	**Reykjanes** (Iceland-SW)	1701-02=	1	8/5
V	1245	?	?	**Oshima** (Izu Is-Japan)	0804-01=	1	-/5
	1245		?	**Katla** (Iceland-S)	1702-03=	4	-/8
	1250		?	**Etna** (Italy)	0101-06=	2?	
	1250	t	?	**Fentale** (Ethiopia)	0201-19=		
G	1250	?	?	**Tokachi** (Hokkaido-Japan)	0805-05=	3	-/7
T	1250	y	?	**Akan** (Hokkaido-Japan)	0805-07=		
C	1250	?	?	**Gorny Institute** (Kamchatka)	1000-55-		
C	1250	?	?	**Shasta** (US-California)	1203-01-		
G	1250	t	?	**Tungurahua** (Ecuador)	1502-08=		
E	1250	>	?	**Azul, Cerro** (Galapagos)	1503-06=	0	
T	1250	t	?	**Bardarbunga** (Iceland-NE)	1703-03=	1	9/5
?	*1251*	*0518*	*?*	*Akagi (Honshu-Japan)*	0803-13=		
	1253		?	**Sawād, Harra es-** (Arabia-S)	0301-16-	3	
	1256	0605	*52a?*	**Rahat, Harrat** (Arabia-W)	0301-07=	3	8/-
I	1259	j	?	***Unknown Source*** *(GISP2, 349: SP 1220)*			
G	1260	s	?	**Mammoth Mountain** (US-California)	1203-15-		
C	1260	t	?	**Orizaba, Pico de** (México)	1401-10=	3	
T	1260	w	?	**Cotopaxi** (Ecuador)	1502-05=		
C	1260	p	?	**Pelée** (W Indies)	1600-12=		
	1262		?	**Katla** (Iceland-S)	1702-03=	5	-/9
	1265	1201?	?	**Aso** (Kyushu-Japan)	0802-11=	2	
I	1269	j	?	***Unknown Source*** *(SP, 242 ppb sulfate)*			
	1269	08	?	**Aso** (Kyushu-Japan)	0802-11=	2	
?	*1270*		*?*	*Vesuvius (Italy)*	0101-02=	*2?*	
T	1270	?	?	**Yake-dake** (Honshu-Japan)	0803-07=		
C	1270	u	?	**Jocotitlán** (México)	1401-062		
T	1270	?	?	**Cayambe** (Ecuador)	1502-006		
C	1270	t	?	**Plat Pays, Morne** (W Indies)	1600-11=		
I	1270	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
I	1270	j	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1271	0105	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1272	0416	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1272	1129	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1273	08	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1274		?	**Aso** (Kyushu-Japan)	0802-11=	2	
I	1279	j	?	***Unknown Source*** *(SP, 818 ppb sulfate)*			
T	1280	?	?	**Poás** (Costa Rica)	1405-04=		
G	1280	?	?	**Quilotoa** (Ecuador)	1502-06=	6	-/10
	1281	07	*31p*	**Aso** (Kyushu-Japan)	0802-11=	2	
?	*1281*	*0703*	*?*	*Asama (Honshu-Japan)*	0803-11=	*3*	
	1282	<	*7a*	**Larderello** (Italy)	0101-001	3?	
	1284		*198w?*	**Etna** (Italy)	0101-06=		
	1285	*Cont*		*Etna (Italy)*	0101-06=		
	1286	0830	?	**Aso** (Kyushu-Japan)	0802-11=	2	
G	1290	?	?	**Ischia** (Italy)	0101-03=		
C	1290	s	?	**Matutum** (Mindanao-Philippines)	0701-02=		
T	1290	P	?	**Golovnin** (Kuril Is)	0900-01=		

Minard Hall (Escuela Politecnica, Quito)

Quilotoa volcano in Ecuador contains a steep-walled, 3-km-wide caldera filled by a 250-m-deep lake. Its most recent large eruption about 700 years ago produced voluminous pyroclastic flows, lahars that reached the Pacific Ocean, and one of the largest Holocene airfall-tephra deposits of the northern Andes.

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
C	**1290**	w	?	**Black Rock Desert** (US-Utah)	1207-05-		
T	**1290**	?	?	**Cayambe** (Ecuador)	1502-006	4	8/-
I	**1290**	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
I	**1290**	j	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
?	*1292*		?	*Rahat, Harrat (Arabia-W)*	0301-07=		
M	**1300**	w	?	**Emuruangogolak** (Africa-E)	0202-051	0	
C	**1300**	t	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G	**1300**	u	?	**Merapi** (Java)	0603-25=		
T	**1300**	t	?	**Iwate** (Honshu-Japan)	0803-24=	3	-/7
T	**1300**	?	?	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
G	**1300**	x	?	**Ichinsky** (Kamchatka)	1000-28=		
?	*1300*	*y*	?	*Glacier Peak (US-Washington)*	1201-02-		
T	**1300**	?	?	**Askja** (Iceland-NE)	1703-06=	1	
T	**1300**	x	?	**Krafla** (Iceland-NE)	1703-08=	2?	
	1300	0711	369*m?*	**Hekla** (Iceland-S)	1702-07=	4	8/8
	1301	*Cont*		*Hekla (Iceland-S)*	1702-07=	*2*	*8/8*
	1302	0118	59*m*	**Ischia** (Italy)	0101-03=		
	1305	0502	?	**Aso** (Kyushu-Japan)	0802-11=	2	
V	**1307**	?	?	**Oshima** (Izu Is-Japan)	0804-01=	3	6/7
G	**1310**	k	>3yr	**Okataina [Tarawera]** (New Zeal)	0401-05=	**5**	**9/9**
G	**1310**	t	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
C	**1310**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C	**1310**	u	?	**Osorno** (Chile-S)	1508-01=		
I	**1310**	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
G	*1311*	*Cont*		*Okataina [Tarawera] (New Zeal)*	0401-05=	*6*	
	1311		?	**Kelut** (Java)	0603-28=	3	
	1311	0118	?	**Katla** (Iceland-S)	1702-03=		
G	*1312*	*Cont*		*Okataina [Tarawera] (New Zeal)*	0401-05=	*6*	
G	*1313*	*Cont*		*Okataina [Tarawera] (New Zeal)*	0401-05=	*6*	
G	*1314*	*Cont*		*Okataina [Tarawera] (New Zeal)*	0401-05=	*6*	
G	*1315*	*Cont*		*Okataina [Tarawera] (New Zeal)*	0401-05=	*6*	
	1320	?	?	**Krakatau** (Indonesia)	0602-00=		
T	**1320**	y	?	**Kutcharo [Atosanupuri]** (Hokkaido)	0805-08=		
	1324	0907	?	**Aso** (Kyushu-Japan)	0802-11=	2	
C	**1325**	u	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T	**1325**	?	?	**Krisuvík** (Iceland-SW)	1701-03=	1	8/5
	1329	0628	37*d?*	**Etna** (Italy)	0101-06=	3?	7/6
T	**1330**	q	?	**Gorely** (Kamchatka)	1000-07=	2?	
C	**1330**	u	?	**Tseax River Cone** (Canada)	1200-10-		
C	**1330**	u	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/8
	1331		?	**Azuma** (Honshu-Japan)	0803-18=	1	-/5
?	*1331*		*731y*	*Zao (Honshu-Japan)*	0803-19=	*2?*	
	1331	04	15*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1331	12	548*p*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1332	*Cont*		*Aso (Kyushu-Japan)*	0802-11=	*2*	
?	*1332*	*Cont*		*Zao (Honshu-Japan)*	0803-19=	*2?*	
	1332	11	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1333	*Cont*		*Aso (Kyushu-Japan)*	0802-11=	*2*	
?	*1333*	*Cont*		*Zao (Honshu-Japan)*	0803-19=	*2?*	
	1333		?	**Etna** (Italy)	0101-06=	2	
	1334		?	**Kelut** (Java)	0603-28=	3	
	1335	0207	47*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1338	0915e	61*j*	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
G	**1340**	?	?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	0	
C	**1340**	s	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C	**1340**	r	?	**Kikai** (Ryukyu Is)	0802-06=		
G	**1340**	u	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	1	
G	**1340**	v	?	**Pagan** (Mariana Is-C Pacific)	0804-17=		
A	**1340**	s	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T	**1340**	u	?	**Barú** (Panamá)	1406-01-		
G	**1340**	t	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	3?	
G	**1340**	t	?	**Pelée** (W Indies)	1600-12=	4	-/8
	1340	?	?	**Reykjanes** (Iceland-SW)	1701-02=	3↑	
T	**1340**	?	?	**Krisuvík** (Iceland-SW)	1701-03=	1	7/5
	1340	0203	22*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1341	a	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	2	8/-
?	*1341*		?	*Tenerife (Canary Is)*	1803-03-		
	1341	05	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1341	0519	?	**Hekla** (Iceland-S)	1702-07=	3	-/7
	1343		?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1345		730*y*	**Popocatépetl** (Mexico)	1401-09=	2?	
	1346	*Cont*		*Popocatépetl (Mexico)*	1401-09=	*2?*	
?	*1346*		?	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1347	*Cont*		*Popocatépetl (Mexico)*	1401-09=	*2?*	
?	*1347*		?	*Vesuvius (Italy)*	0101-02=	*2?*	
	1350		?	**Etna** (Italy)	0101-06=	2	
T	**1350**	?	?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=		
G	**1350**	s	?	**Rungwe** (Africa-E)	0202-166		
C	**1350**	?	?	**Auckland Field** (New Zealand)	0401-02=		9/-
G	**1350**	t	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
T	**1350**	u	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	2	
H	**1350**	?	?	**Dawson Strait Group** (D'Entrecast)	0503-06=		
A	**1350**	v	?	**San Pablo Volc Field** (Philippines)	0703-06=		
?	*1350*	?	?	*Zao (Honshu-Japan)*	0803-19=	*2?*	
T	**1350**	?	?	**E-san** (Hokkaido-Japan)	0805-011		
G	**1350**	v	?	**Rausu** (Hokkaido-Japan)	0805-082	3	-/7
T	**1350**	?	?	**Nemo Peak** (Kuril Is)	0900-32=		
C	**1350**	?	?	**Kambalny** (Kamchatka)	1000-01=		
T	**1350**	?	?	**Kostakan** (Kamchatka)	1000-122	1?	
C	**1350**	?	?	**Kikhpinych** (Kamchatka)	1000-18=	4	8/8
T	**1350**	?	?	**Krasheninnikov** (Kamchatka)	1000-19=	0	7/-
D	**1350**	p	?	**Mono Craters** (US-California)	1203-12-	4	8/8
G	**1350**	w	?	**Haleakala** (Hawaiian Is)	1302-06-		5/-
C	**1350**	?	?	**Turrialba** (Costa Rica)	1405-07=		
C	**1350**	?	?	**Ruiz, Nevado del** (Colombia)	1501-02=	4	-/8
T	**1350**	?	?	**Cotopaxi** (Ecuador)	1502-05=	4+	-/8
G	**1350**	t	?	**Tungurahua** (Ecuador)	1502-08=	3?	
E	**1350**	z	?	**Negra, Sierra** (Galápagos)	1503-05=	0	
T	**1350**	w	?	**Sabancaya** (Perú)	1504-006		
G	**1350**	t	?	**Misti, El** (Perú)	1504-01=		
I	**1350**	?	?	**Grímsvötn** (Iceland-NE)	1703-01=		
I	**1350**	j	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
T	**1350**	v	?	**Jan Mayen** (Atlantic-N-Jan Mayen)	1706-01=		
?	*1351*		?	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1354		?	**Popocatépetl** (Mexico)	1401-09=	2?	
	1354	?	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1357	c	?	**Katla** (Iceland-S)	1702-03=	4+	-/8
G	**1360**	u	?	**Healy** (New Zealand)	0401-14-		
C	**1360**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G	**1360**	v	?	**Haleakala** (Hawaiian Is)	1302-06-		
G	**1360**	v	?	**Chichón, El** (México)	1401-12=	**5**	**-/9**
C	**1360**	u	?	**Pacaya** (Guatemala)	1402-11=	3?	
	1361		?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	3	8/7
	1362	0605d	133*q*	**Öraefajökull** (Iceland-SE)	1704-01=	**5**	**-/9**
?	*1363*		?	*Popocatépetl (Mexico)*	1401-09=	*2?*	
?	*1369*		?	*Aso (Kyushu-Japan)*	0802-11=	*2*	
I	**1369**	?	?	**Grímsvötn** (Iceland-NE)	1703-01=		
C	**1370**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
G	**1370**	w	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	**P**	
C	**1370**	?	?	**Pelée** (W Indies)	1600-12=		
I	**1370**	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1372		?	**Kolbeinsey Ridge** (Iceland-N of)	1705-01=	2?	
	1375	u	?	**Dieng Volc Complex** (Java)	0603-20=	3↑	
	1375	q	?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	3↑	
	1375	1220	42*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1376		?	**Kelut** (Java)	0603-28=	3↑	
	1376	0620	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1377	0506	?	**Aso** (Kyushu-Japan)	0802-11=	2	
G	**1380**	y	?	**Merapi** (Java)	0603-25=		
G	**1380**	u	?	**Parker** (Mindanao-Philippines)	0701-011	**P**	
G	**1380**	t	?	**Inyo Craters** (US-California)	1203-13-	4	8/8
C	**1380**	t	?	**Calbuco** (Chile-S)	1508-02=		
?	*1381*		?	*Kinshima (Kyushu-Japan)*	0802-09=	*2?*	
	1381	?	0806?	?	**Etna** (Italy)	0101-06=	2	7/6
	1385		?	**Kelut** (Java)	0603-28=	3↑	
	1387	0619	?	**Aso** (Kyushu-Japan)	0802-11=	2	
?	*1388*	*1016*	?	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1389	1201p	213*w*	**Hekla** (Iceland-S)	1702-07=	3	8/7
	1390	*Cont*		*Hekla (Iceland-S)*	1702-07=	*2*	*8/7*
?	*1390*		?	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
G	**1390**	u	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=		
C	**1390**		?	**Aniakchak** (Alaska Peninsula)	1102-09-		
C	**1390**	w	?	**Hood** (US-Oregon)	1202-01-		
C	**1390**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
I	**1390**	j	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1395		?	**Kelut** (Java)	0603-28=	3↑	
C	**1395**	u	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
?	*1396*	*c*	?	*Tenerife (Canary Is)*	1803-03-		
	1397	0217	?	**Nasu** (Honshu-Japan)	0803-15=	3	
C	**1400**	t	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G	**1400**	v	?	**Zao** (Honshu-Japan)	0803-19=	3	-/7
C	**1400**	?	?	**Avachinsky** (Kamchatka)	1000-10=		
G	**1400**	t	?	**Maly Semiachik** (Kamchatka)	1000-14=		
G	**1400**	t	?	**Kanaga** (Aleutian Is)	1101-11-		
C	**1400**	?	?	**Arenal** (Costa Rica)	1405-033	4	-/8
T	**1400**	t	?	**Terceira** (Azores)	1802-05=		
	1400	0715q	7*a>*	**Dubbi** (Ethiopia)	0201-10=	2?	
V	**1402**	?	?	**Nemrut Dagi** (Turkey)	0103-02=		
	1404	0211	?	**Nasu** (Honshu-Japan)	0803-15=	3	
	1408	0224	?	**Nasu** (Honshu-Japan)	0803-15=	3	
	1408	1108	17*a?*	**Etna** (Italy)	0101-06=	3	
G	**1410**	?	>3yr	**Kilauea** (Hawaiian Is)	1302-01-	0	**9/-**
T	**1410**	?	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1410	0305	?	**Nasu** (Honshu-Japan)	0803-15=	3	6/7
G	*1411*	*Cont*		*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1411		?	**Kelut** (Java)	0603-28=	3↑	
G	*1412*	*Cont*		*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G	*1413*	*Cont*		*Kilauea (Hawaiian Is)*	1302-01-	*0*	
?	*1413*		?	*Changbaishan (China-E)*	1005-06-		
G	*1414*	*Cont*		*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G	*1415*	*Cont*		*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1415	0521	?	**Oshima** (Izu Is-Japan)	0804-01=		

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G 1416	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1416	....	?	**Katla** (Iceland-S)	1702-03=	4?	-/8
1416	0902	303*w*?	**Oshima** (Izu Is-Japan)	0804-01=	2	-/6
1417	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*-/6*
G 1417	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1418	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1419	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1420	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1420 p	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	0	
G 1420 v	....	?	**Akutan** (Aleutian Is)	1101-32-		
G 1420 v	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
G 1421	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1421	0514	?	**Oshima** (Izu Is-Japan)	0804-01=	4	8/8
G 1422	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1422	....	?	**Nisyros** (Greece)	0102-05=	2	
1422	....	?	**Reykjanes** (Iceland-SW)	1701-02=	2	
G 1423	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1424	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1425	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1426	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1427	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
? 1427	*0628*	*?*	*Fuji (Honshu-Japan)*	0803-03=		
? 1427	*0707*	*?*	*Asama (Honshu-Japan)*	0803-11=		
G 1428	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1429	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1430	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1430 ?	....	?	**Kuwae** (Vanuatu-SW Pacific)	0507-07=		
C 1430 u	....	?	**Kikai** (Ryukyu Is)	0802-06=		
G 1430 ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
I 1430 j	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
C 1430 v	....	?	**Furnas** (Azores)	1802-10=	3	-/7
? 1430	....	*?*	*Tenerife (Canary Is)*	1803-03-	*2*	
G 1431	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1432	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1433	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1434	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1434	0510	8*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
G 1435	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1435	1231r	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
G 1436	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1437	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1438	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1438	0109	40*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
G 1439	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1440	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1440 ?	....	?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	0	
G 1440 v	....	?	**Merapi** (Java)	0603-25=		
G 1440 t	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
T 1440 ?	....	?	**Yake-dake** (Honshu-Japan)	0803-07=		
C 1440 ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C 1440 ?	....	?	**Arenal** (Costa Rica)	1405-033	2?	7/-
T 1440 ?	....	?	**Cayambe** (Ecuador)	1502-006		
G 1440 v	....	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	P	7/-
1440	....	?	**Katla** (Iceland-S)	1702-03=	4	-/8
T 1440 ?	....	?	**Hekla** (Iceland-S)	1702-07=		
G 1441	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1441	....	?	**Nemrut Dagi** (Turkey)	0103-02=		
1441 b	....	?	**Furnas** (Azores)	1802-10=	4	-/8
G 1442	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1442	08	320*w*	**Oshima** (Izu Is-Japan)	0804-01=		
1443	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=		
G 1443	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1444	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1444	....	?	**Etna** (Italy)	0101-06=	2	
1444 ?	....	?	**Sete Cidades** (Azores)	1802-08=	4	-/8
? 1444	....	*?*	*Tenerife (Canary Is)*	1803-03-		
1444	0204	?	**Vulcano** (Italy)	0101-05=	3	
G 1445	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1446	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1446	0925	?	**Etna** (Italy)	0101-06=	1	
G 1447	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1447	0921	?	**Etna** (Italy)	0101-06=	1	
G 1448	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1449	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1450	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
? 1450	....	*?*	*Ararat (Turkey)*	0103-04-		
? 1450 t	....	*?*	*Kars Plateau (Turkey)*	0103-05-	*2?*	
G 1450 s	....	?	**Ngozi** (Africa-E)	0202-164		
T 1450 ?	....	?	**Raoul Island** (Kermadec Is)	0402-03=		
T 1450 ?	....	?	**Pago** (New Britain-SW Pac)	0502-08=		
T 1450 w	....	?	**Rabaul** (New Britain-SW Pac)	0502-14=		
1450	....	?	**Kelut** (Java)	0603-28=	3↑	
1450 j	....	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	3↑	
G 1450 t	....	?	**Pinatubo** (Luzon-Philippines)	0703-083	5?	
I 1450 t	....	?	**Kurikoma** (Honshu-Japan)	0803-21=	1	-/5
C 1450 v	....	?	**Iwate** (Honshu-Japan)	0803-24=		
G 1450 ?	....	?	**Karymsky** (Kamchatka)	1000-13=		
G 1450 v	....	?	**Rainier** (US-Washington)	1201-03-		
A 1450 t	....	?	**Acatenango** (Guatemala)	1402-08=		
E 1450 >	....	?	**Wolf** (Galapagos)	1503-02=	0	
T 1450 t	....	?	**Katla** (Iceland-S)	1702-03=		
I 1450 j	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
G 1451	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1451	....	?	**Kelut** (Java)	0603-28=	3↑	
G 1452	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
I 1452 b	....	?	***Unknown Source*** *(SP sulfate peak)*	.....		
G 1453	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1454	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1454 ?	....	?	**Iraya** (Luzon-N of)	0704-06-		
1454 n	....	14*g*	**Misti, El** (Perú)	1504-01=	*2*	-/6
G 1455	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1456	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1457	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1458	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1459	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
T 1460 ?	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	2	-/6
C 1460 r	....	?	**Baransky** (Kuril Is)	0900-08=		
C 1460 t	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C 1460 u	....	?	**Haleakala** (Hawaiian Is)	1302-06-		
C 1460 p	....	?	**Pelée** (W Indies)	1600-12=		
G 1461	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1462	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1462	....	?	**Kelut** (Java)	0603-28=	3↑	
G 1463	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1464	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1465	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1466	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1467	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
G 1468	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1468	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
G 1469	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1469	....	?	**Atitlán** (Guatemala)	1402-06=	3↑	
? 1469	....	*?*	*Suchitán (Guatemala)*	1402-16-		
I 1469 ?	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
1469	1224	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	6/-
G 1470	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
C 1470 x	....	?	**Chyulu Hills** (Africa-E)	0202-13=		
G 1470 t	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
C 1470 w	....	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=		
C 1470 ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
I 1470 j	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
V 1471 ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	2	-/6
I 1471 ?	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
1471	1103	>3yr	**Sakura-jima** (Kyushu-Japan)	0802-08=	5?	8/9
1472	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1473	*03*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1473	0516	334*q*	**Aso** (Kyushu-Japan)	0802-11=	2	
1474	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1474	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
? 1475 q	....	*?*	*Unnamed [Lomonosov Ridge] (Arctic)*	1707-01-	*0*	
1475	*0924*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1476	*1008*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*3*	
? 1477	....	*?*	*Chokai (Honshu-Japan)*	0803-22=		
1477	02 ?	?	**Bárdarbunga [Veidivötn]** (Iceland)	1703-03=	6	9/10
1477	03	?	**Torfajökull** (Iceland-S)	1702-05=	2?	7/-
1478	0923	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
C 1480 t	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G 1480 y	....	?	**Merapi** (Java)	0603-25=		
C 1480 w	....	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
1480 j	....	?	**La Palma** (Canary Is)	1803-01-	2	7/6
D 1480	0115 u	?	**St. Helens** (US-Washington)	1201-05-	5+	-/9
1481	....	?	**Kelut** (Java)	0603-28=	3↑	
D 1482	0115 u	?	**St. Helens** (US-Washington)	1201-05-	5	-/9
1485	0105	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1487	1207	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	2	
1488	....	?	**Popocatépetl** (México)	1401-09=	2?	
G 1490 n	....	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	
C 1490 s	....	?	**Andahua-Orcopampa** (Perú)	1504-004		
I 1490 j	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
1492	0824<	?	**Tenerife** (Canary Is)	1803-03-		7/-
1493 ?	....	>3yr	**Etna** (Italy)	0101-06=	1	
1494	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1495	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1496	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1497	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1498	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1499	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	

1500

1500	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1500	....	?	**Vesuvius** (Italy)	0101-02=	2?	
C 1500 r	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T 1500 t	....	?	**Tongariro** (New Zealand)	0401-08=		

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
?	*1500*	?	?	*Kelut (Java)*	0603-28=		
G	**1500**	w	?	**Shikotsu [Eniwa]** (Hokkaido)	0805-04=	2	
G	**1500**	s	?	**Khangar** (Kamchatka)	1000-272		
G	**1500**	?	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	
C	**1500**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C	**1500**	?	?	**Cosigüina** (Nicaragua)	1404-01=		
T	**1500**	?	?	**Katla** (Iceland-S)	1702-03=	4	-/8
I	**1500**	?	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1500	....	>3yr	**Fogo** (Cape Verde Is)	1804-01=	1	
C	**1500**	?	?	**Deception Island** (Antarctica)	1900-03=		
	1501	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1502	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1503	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1504	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1504	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
	1505	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1505	?	?	**Atitlán** (Guatemala)	1402-06=	3?	
	1505	02	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1506	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1506	0406	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1507	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1508	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1509	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1509*	....	?	*Popocatépetl (Mexico)*	1401-09=		
I	**1509**	?	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1510	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1510	j	?	**Seulawah Agam** (Sumatra)	0601-02=	2	
	1510	j	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	3↑	
C	**1510**	!	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C	**1510**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1510	e	?	**San Miguel** (El Salvador)	1403-10=		
I	**1510**	j	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1510	0725	?	**Hekla** (Iceland-S)	1702-07=	4	-/8
	1511	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1511	0901p	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
	1512	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1512	....	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	3↑	
	1512	....	?	**Gunungapi Wetar** (Banda Sea)	0605-03=	3↑	
	1512	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
	1513	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1514	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1515	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1516	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1517	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1518	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1518*	....	?	*Asama (Honshu-Japan)*	0803-11=		
	1518	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
	1518	02	>3yr	**Hachijo-jima** (Izu Is-Japan)	0804-05=	2	
	1519	*Cont*	....	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
	1519	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1519	....	>3yr	**Colima** (Mexico)	1401-04=	3?	
	1519	09	>3yr	**Popocatépetl** (Mexico)	1401-09=	3?	
	1520	*Cont*	....	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
	1520	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1520	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1520	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1520*	....	?	*Santa Ana (El Salvador)*	1403-02=		
	1521	*Cont*	....	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
	1521	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1521	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1521	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
I	**1521**	?	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1521	1231y	?	**Santa Ana** (El Salvador)	1403-02=	3	
	1522	*Cont*	....	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
	1522	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1522	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1522	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1522	0215	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1523	*Cont*	....	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
	1523	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1523	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1523	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1524	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1524	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1524	....	?	**Momotombo** (Nicaragua)	1404-09=	3	-/7
	1524	....	>3yr	**Masaya** (Nicaragua)	1404-10=	0	
	1524	0430p	*77s*	**Fuego** (Guatemala)	1402-09=	2	
	1524	0430p	?	**Santa Ana** (El Salvador)	1403-02=	3	
	1525	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1525	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
D	**1525**	q	?	**St. Helens** (US-Washington)	1201-05-		
	1526	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1526	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1526*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1527	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1527	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1527	?	?	**Telica** (Nicaragua)	1404-04=	3?	
	1527	05	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1528	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1528	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1528	....	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1528	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
	1528	a	?	**San Cristóbal** (Nicaragua)	1404-02=	3	
@	**1528**	....	?	**Pilas, Las** (Nicaragua)	1404-08=		
	1529	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1529	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1529	....	?	**Telica** (Nicaragua)	1404-04=	4	8/8
?	*1529*	....	?	*Rincón de la Vieja (Costa Rica)*	1405-02=		
	1530	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1530	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1530**	?	?	**Aoba** (Vanuatu-SW Pacific)	0507-03=		
	1530	....	?	**Krakatau** (Indonesia)	0602-00=		
	1530	....	?	**Popocatépetl** (Mexico)	1401-09=	2	
I	**1530**	j	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1531	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1531	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1531	1231p	?	**Fuego** (Guatemala)	1402-09=	2	
	1532	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1532	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1532*	*0114*	?	*Asama (Honshu-Japan)*	0803-11=		*-/6*
	1532	1115	?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
	1533	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1533	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1533*	....	*>3yr*	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
?	*1533*	....	?	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1533	0717	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1533	10	*30p*	**Cotopaxi** (Ecuador)	1502-05=	2	
?	*1534*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1534	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1534	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1534*	....	?	*Asama (Honshu-Japan)*	0803-11=		
?	*1534*	?	?	*San Martin (Mexico)*	1401-11=		
?	*1534*	....	?	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1534	06	*30p*	**Cotopaxi** (Ecuador)	1502-05=	4	-/8
?	*1535*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1535	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1535	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1535	....	?	**Galeras** (Colombia)	1501-08=	3↑	
?	*1535*	....	?	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1535	03	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	6/-
?	*1536*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1536	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1536	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1536	0322	*238a?*	**Etna** (Italy)	0101-06=	3	7/5
?	*1537*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1537	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1537	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1537	03 ?	*121p*	**Etna** (Italy)	0101-06=	2	7/6
?	*1538*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1538	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1538	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1538	....	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	3↑	
?	*1538*	....	?	*Guagua Pichincha (Ecuador)*	1502-02=	*3↑*	
	1538	0929	7	**Campi Flegrei** (Italy)	0101-01=	3	-/7
?	*1539*	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2?*	
	1539	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1539	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1539	....	*365y*	**Popocatépetl** (Mexico)	1401-09=	2	
?	*1539*	....	?	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1540	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1540	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1540	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
G	**1540**	v	?	**Augustine** (Alaska-SW)	1103-01-	4?	
C	**1540**	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1540	07	?	**Etna** (Italy)	0101-06=	1	
	1541	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1541	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
@	**1541**	....	?	**Fuego** (Guatemala)	1402-09=		
?	*1541*	....	?	*Ruiz, Nevado del (Colombia)*	1501-02=		
	1541	04	?	**Reventador** (Ecuador)	1502-01=	3↑	
	1541	07 ?	?	**Etna** (Italy)	0101-06=	2	
	1542	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1542	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1542	....	?	**Ceboruco** (Mexico)	1401-03=		
	1542	....	?	**Popocatépetl** (Mexico)	1401-09=	2	
?	*1542*	....	?	*Misti, El (Peru)*	1504-01=	*1?*	
	1542	0114	?	**Fuego** (Guatemala)	1402-09=		
	1542	0429	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1543	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1543	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1543	....	?	**Kaitoku Seamount** (Volcano Is-Japan)	0804-10=	0	
	1544	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1544	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1544	0728	?	**Hiuchi** (Honshu-Japan)	0803-131	2	-/6

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1545	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1545	....	>3yr	**Orizaba, Pico de** (Mexico)	1401-10=	2	8/-
	1546	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1546	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1547	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1547	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1547	0304	225*m?*	**Haku-san** (Honshu-Japan)	0803-05=	3	
	1548	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1548	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1548	....	?	**Merapi** (Java)	0603-25=	3↑	
	1548	....	?	**Kelut** (Java)	0603-28=	3↑	
	1548	....	?	**Haku-san** (Honshu-Japan)	0803-05=	3?	
	1548	....	?	**Popocatépetl** (Mexico)	1401-09=	*2*	
	1549	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1549	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1550	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1550	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1550	....	?	**Vulcano** (Italy)	0101-05=	3	
G	**1550** v	....	?	**Nyamuragira** (Africa-C)	0203-02=		
?	*1550 v*	....	?	*Oku Volc Field [L. Nyos] (Afrca-W)*	0204-03-	*3*	*-/7*
C	**1550** s	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
G	**1550** v	....	?	**Taveuni** (Fiji Is-SW Pacific)	0405-01-	0	
T	**1550** ?	....	?	**Pago** (New Britain-SW Pac)	0502-08=	P	
	1550 <	....	?	**Makian** (Halmahera-Indonesia)	0608-07=	3↑	
G	**1550** v	....	?	**Hakkoda Group** (Honshu-Japan)	0803-28=	1	-/2
G	**1550** u	....	?	**Shikotsu [Eniwa]** (Hokkaido)	0805-04=	2	
T	**1550** ?	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
C	**1550** ?	....	?	**Avachinsky** (Kamchatka)	1000-10=		
G	**1550** ?	....	?	**Karymsky** (Kamchatka)	1000-13=		8/-
G	**1550** ?	....	?	**Maly Semiachik** (Kamchatka)	1000-14=	4	-/8
T	**1550** ?	....	?	**Kikhpinych** (Kamchatka)	1000-18=		7/-
T	**1550** ?	....	?	**Krasheninnikov** (Kamchatka)	1000-19=		7/-
T	**1550** ?	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	8/6
T	**1550** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
C	**1550** ?	....	?	**Tanaga** (Aleutian Is)	1101-08-		
C	**1550** ?	....	?	**Takawangha** (Aleutian Is)	1101-09-		
C	**1550** ?	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-		
T	**1550** t	....	?	**Redoubt** (Alaska-SW)	1103-03-		
D	**1550** ?	....	?	**Wells Gray-Clearwater** (Canada)	1200-15-		
T	**1550** y	....	?	**Mono Lake Volc Field** (US-California	1203-11-		
	1550 j	....	?	**Barú** (Panama)	1406-01-		
E	**1550** >	....	?	**Fernandina** (Galapagos)	1503-01=	0	
	1550 t	....	?	**Ubinas** (Perú)	1504-02=	3?	
C	**1550** t	....	?	**Soufrière St. Vincent** (W Indies)	1600-15=		
T	**1550** ?	....	?	**Katla** (Iceland-S)	1702-03=	4	-/8
	1550	1120 n	?	**Dukono** (Halmahera-Indonesia)	0608-01=	3	-/8
	1551	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1551	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1551	....	273*w*>	**Fuego** (Guatemala)	1402-09=	2	
	1551	....	?	**Masaya** (Nicaragua)	1404-10=	0	
	1552	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1552	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	1552	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1552	1007	8*a*	**Oshima** (Izu Is-Japan)	0804-01=	3	8/7
	1553	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1553	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1554	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1554	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1554*	....	*?*	*Etna (Italy)*	0101-06=	*2*	
	1554	....	?	**Merapi** (Java)	0603-25=	3↑	
	1554	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1554	05	787*w*	**Haku-san** (Honshu-Japan)	0803-05=	3	
	1554	05	40*b*	**Hekla [Raudubjallar]** (Iceland-S)	1702-07=	2?	8/-
	1555	*Cont*	....	*Haku-san (Honshu-Japan)*	0803-05=	*2*	
	1555	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	*8/-*
	1555	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1555 e	....	?	**Huila, Nevado del** (Colombia)	1501-05=		
	1556	*Cont*	....	*Haku-san (Honshu-Japan)*	0803-05=	*2*	
	1556	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1557	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1557	....	?	**Tungurahua** (Ecuador)	1502-08=	2	
?	*1557*	*0115*	*?*	*Fuego (Guatemala)*	1402-09=		
	1558	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1558 <	....	*>3yr*	*Stromboli (Italy)*	0101-04=	*2*	
	1558	....	365*y*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1558	....	?	**Villarrica** (Chile-C)	1507-12=	2	
?	*1558* <	....	*?*	*Jan Mayen (Atlantic-N-Jan Mayen)*	1706-01=		
	1559	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1559	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1559	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1559*	....	*?*	*Iya (Lesser Sunda Is)*	0504-11=		
?	*1559*	*0116*	*?*	*Fuego (Guatemala)*	1402-09=		
	1560	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1560	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1560** s	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
	1560	....	?	**Merbabu** (Java)	0603-24=		
	1560	....	?	**Merapi** (Java)	0603-25=	3↑	
G	**1560** v	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=		
?	*1560*	....	*?*	*Chokai (Honshu-Japan)*	0803-22=		
C	**1560** t	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-	4+	-/8
	1560	....	?	**Colima** (Mexico)	1401-04=	2	
G	**1560** u	....	?	**Irazú** (Costa Rica)	1405-06=	3	
?	*1560*	....	*?*	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
?	*1560*	*0104*	*?*	*Fuji (Honshu-Japan)*	0803-03=		
	1561	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1561	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1561	1231y	2*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1562	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1562	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1562	....	?	**Villarrica** (Chile-C)	1507-12=	2	
	1562	03	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1562	0921?	648*w?*	**Pico** (Azores)	1802-02=	2	
	1563	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1563	*Cont*	....	*Pico (Azores)*	1802-02=	*2*	
	1563	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1563*	*0503*	*?*	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
	1563	0628	28*e*	**Agua de Pau** (Azores)	1802-09=	5?	6/9
	1564	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1564	*Cont*	....	*Pico (Azores)*	1802-02=	*2*	
	1564	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1564	0210	2*a*	**Agua de Pau** (Azores)	1802-09=	2	
	1564	12	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1564	1231y	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	3↑	
	1565	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1565	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1565*	....	*?*	*Fuego (Guatemala)*	1402-09=	*2*	
	1565	08	?	**Pacaya** (Guatemala)	1402-11=	3	
	1566	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1566	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1566	....	?	**Orizaba, Pico de** (Mexico)	1401-10=	2	
	1566	0506	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1566	1017	30*a*	**Guagua Pichincha** (Ecuador)	1502-02=	3↑	
	1566	1031	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	
	1566	1101?	45*m?*	**Etna** (Italy)	0101-06=	2	7/5
	1567	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1567	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1567	....	?	**Ceboruco** (Mexico)	1401-03=		
	1568	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1568	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1568 <	....	?	**Savo** (Solomon Is-SW Pacific)	0505-07=	3	
	1569	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1569	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1569	....	>3yr	**Orizaba, Pico de** (Mexico)	1401-10=	2	
	1570	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1570	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1570	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1570 <	....	730*x*<	**Vesuvius** (Italy)	0101-02=	1?	
	1570	....	>3yr	**Santorini** (Greece)	0102-04=	3	6/-
C	**1570** s	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
?	*1570*	....	*?*	*Merbabu (Java)*	0603-24=		
G	**1570** v	....	?	**Tokachi** (Hokkaido-Japan)	0805-05=	2?	7/-
C	**1570** r	....	?	**Baransky** (Kuril Is)	0900-08=		
	1570 ?	....	?	**Santa Ana** (El Salvador)	1403-02=		
	1570	....	?	**Masaya** (Nicaragua)	1404-10=	0	
?	*1570*	....	*?*	*Mombacho (Nicaragua)*	1404-11=		
	1570	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=		
T	**1570** ?	....	?	**Cayambe** (Ecuador)	1502-006	4	8/-
	1571	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1?*	
	1571	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1571	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*6/-*
	1571	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1571	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1571	....	?	**Popocatépetl** (Mexico)	1401-09=	2	
?	*1571*	*1225*	*?*	*Fuego (Guatemala)*	1402-09=		
	1572	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1?*	
	1572	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1572	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*6/-*
	1572	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1572	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1572	....	?	**Taal** (Luzon-Philippines)	0703-07=	3	
	1572 b	....	?	**San Salvador** (El Salvador)	1403-05=	3?	
	1573	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1573	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*6/-*
	1573	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1573	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1573	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1574	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1574	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1574	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1574	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1574	02	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1575	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1575	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1575	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
? 1575	....	*?*	*Fuego (Guatemala)*	1402-09=	*2*	
1575	....	?	**Osorno** (Chile-S)	1508-01=	2	
1575	0908	?	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1576	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1576	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1576	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1576	....	730*y*	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
1576	....	?	**Colima** (Mexico)	1401-04=	3	
? 1576	....	*?*	*Fuego (Guatemala)*	1402-09=	*2*	
1576	....	?	**Santa Ana** (El Salvador)	1403-02=	3	
1576	1115	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1577	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1577	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
1577	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1577	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
? 1577	....	*?*	*Fuego (Guatemala)*	1402-09=	*2*	
? 1577	....	*?*	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1578	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1578	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
1578	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1578	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
? 1578	....	*?*	*Etna (Italy)*	0101-06=		
1578	02	?	**Momotombo** (Nicaragua)	1404-09=	2	
1579	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1579	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1579	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1579 ?	....	913*w?*	**Atitlán** (Guatemala)	1402-06=	2	
1579	0909?	296*w?*	**Etna** (Italy)	0101-06=		
1579	0927*a*	?	**Haku-san** (Honshu-Japan)	0803-05=	3	
1580	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1580	*Cont*	....	*Etna (Italy)*	0101-06=		
1580	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1580	*Cont*	....	*Atitlán (Guatemala)*	1402-06=	*2*	
1580	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C **1580** p	....	?	**Billy Mitchell** (Bougainville-SW Pacific)	0505-011	**6**	-/**10**
1580	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
? 1580	....	*?*	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1580	0501	121*a?*	**San Jorge** (Azores)	1802-03=	3?	
1580	0811	?	**Katla** (Iceland-S)	1702-03=	4	-/8
1580	1207	<1	**Galeras** (Colombia)	1501-08=	3	
1581	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1581	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1581	*Cont*	....	*Atitlán (Guatemala)*	1402-06=	*2*	
1581	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1581	*1205*	*41a*	*Fuego (Guatemala)*	1402-09=	*2*	*-/8*
1581	1226	....	**Fuego** (Guatemala)	1402-09=	4?	-/8
1582	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1582	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1582	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1582	....	?	**Haku-san** (Honshu-Japan)	0803-05=	2	
1582	*0114*	....	*Fuego (Guatemala)*	1402-09=	*4?*	*-/8*
1582	0216	?	**Asama** (Honshu-Japan)	0803-11=	2	
1582	0217	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1582	*0605*	*>3yr*	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1582	0703	?	**Asama** (Honshu-Japan)	0803-11=	2	
1583	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1583	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1583	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1583	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1583	0715*q*	?	**Reykjanes** (Iceland-SW)	1701-02=	2?	
1583	1214	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1584	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1584	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1584	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1584	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1584	....	?	**Merapi** (Java)	0603-25=	3↑	
1584	08	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1585	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1585	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1585	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1585	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1585	0110	?	**Colima** (Mexico)	1401-04=	4	
1585	0115	181*m*	**Fuego** (Guatemala)	1402-09=	2	
1585	0519	83*a*	**La Palma** (Canary Is)	1803-01-	2	
1585	11 ?	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
1585	12 ?	?	**Yake-dake** (Honshu-Japan)	0803-07=	3↑	
1586	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1586	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
1586	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
1586	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
? 1586	....	*?*	*Merapi (Java)*	0603-25=		
1586	....	?	**Kelut** (Java)	0603-28=	**5**?	-/**9**
? 1586	....	*?*	*Raung (Java)*	0603-34=	*3*	
? 1586	....	*?*	*Masaya (Nicaragua)*	1404-10=	*0*	
1586	0417	?	**Banda Api** (Banda Sea)	0605-09=	3↑	

Wally Johnson ((Australian Bur. Min. Resour.)

The beautiful caldera lake of Billy Mitchell provides a dramatic setting for unvegetated Bagana volcano, one of the most active in Papua New Guinea. Two major explosive eruptions from Billy Mitchell, one about 900 and the other about 370 years ago, produced pyroclastic-fall deposits that cover most of the northern half of Bougainville Island and pyroclastic-flow and -surge deposits that extend 25 km to the eastern coast. The younger eruption may have been responsible for formation of the summit caldera.

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1586	0603b	196*m*	**Fuego** (Guatemala)	1402-09=	2	
	1587	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1587	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1587	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1587	....	?	**Merapi** (Java)	0603-25=	3↑	
	1587	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1587	0524	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1587	0724	?	**Fuego** (Guatemala)	1402-09=	2	
	1587	0903	....	**Guagua Pichincha** (Ecuador)	1502-02=	3	
	1588	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1588	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1588	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1588	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1588	0407	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1589	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1589	*Cont*	....	*Orizaba, Pico de (Mexico)*	1401-10=	*2*	
	1589	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1589	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1590	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1590	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1590	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1590** s	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
C	**1590** t	....	?	**Tengger Caldera** (Java)	0603-31=	2	
C	**1590** t	....	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
	1590	....	?	**Popocatépetl** (Mexico)	1401-09=	2?	
T	**1590** ?	....	?	**Cayambe** (Ecuador)	1502-006		
	1590	....	?	**Reventador** (Ecuador)	1502-01=	3↑	
@	**1590** ?	....	?	**Antisana** (Ecuador)	1502-03=	2?	
	1590	0114	<1	**Colima** (Mexico)	1401-04=	3	
	1590	0415q	?	**Asama** (Honshu-Japan)	0803-11=	2?	
	1591	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1591	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1591	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1591	....	?	**Taal** (Luzon-Philippines)	0703-07=	3↑	
	1591	0415q	?	**Asama** (Honshu-Japan)	0803-11=	2?	
	1591	1129	?	**Asama** (Honshu-Japan)	0803-11=	3?	
	1592	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1592	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1592	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1592	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1592	....	835*x*	**Popocatépetl** (Mexico)	1401-09=	2	
	1593	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1593	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1593	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1593	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1593	....	?	**Raung** (Java)	0603-34=	5?	-/9
	1594	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1594	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1594	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1594	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1594	....	?	**Villarrica** (Chile-C)	1507-12=	2	
	1595	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1595	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1595	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1595	....	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	3↑	
	1595	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1595	*0309<*	?	*Ruiz, Nevado del (Colombia)*	1501-02=	*2?*	*-/8*
	1595	0312	....	**Ruiz, Nevado del** (Colombia)	1501-02=	4	-/8
	1595	0601	?	**Asama** (Honshu-Japan)	0803-11=	2?	
	1595	1122	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	5/-
	1596	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1596	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1596	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1596*	....	?	*Kirishima (Kyushu-Japan)*	0802-09=	*2?*	
	1596	0501	137*m*	**Asama** (Honshu-Japan)	0803-11=	3	-/7
	1597	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1597	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1597	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1597 <	....	?	**Nemrut Dagi** (Turkey)	0103-02=		
?	*1597*	....	?	*Iyang-Argapura (Java)*	0803-33=		
?	*1597*	*01*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
	1597	0103	164*m*>	**Hekla** (Iceland-S)	1702-07=	4	-/8
	1597	0117	16*a*>	**Raung** (Java)	0603-34=	3	
	1597	0417	?	**Asama** (Honshu-Japan)	0803-11=	2	
?	*1597*	*0613*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
?	*1597*	*1006*	?	*Changbaishan (China-E)*	1005-06-		
?	*1597*	*1008*	?	*Xianjndao (Korea)*	1006-01-		
	1598	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1598	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	
	1598	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1598	....	>3yr	**Banda Api** (Banda Sea)	0605-09=	3	
	1598	....	730*y*	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1598	0513	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1598	1107	?	**Grimsvötn** (Iceland-NE)	1703-01=	3?	-/8
	1598	12	199*w*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1599	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1599	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1599	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1599	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1599	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1599*	....	?	*Misti, El (Perú)*	1504-01=	*1?*	

1600

	1600	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1600	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1600	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1600	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
G	**1600** ?	....	?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	0	
T	**1600** ?	....	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	4+	
T	**1600** t	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
C	**1600** ?	....	?	**Ebeko** (Kuril Is)	0900-38=		
C	**1600** ?	....	?	**Alney-Chashakondzha** (Kamchatka)	1000-45-		
T	**1600** t	....	?	**Redoubt** (Alaska-SW)	1103-03-		
U	**1600** w	....	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
?	*1600*	....	?	*Ubinas (Perú)*	1504-02=	*2?*	
C	**1600** u	....	?	**Calbuco** (Chile-S)	1508-02=		
G	**1600** t	....	?	**Soufrière Guadeloupe** (W Indies)	1600-06=		
	1600	0114	14*a*	**Asama** (Honshu-Japan)	0803-11=	3?	
	1600	*0217a*	*18a?*	*Huaynaputina (Perú)*	1504-03=	*1?*	
	1600	0219	....	**Huaynaputina** (Perú)	1504-03=	**6**	**-/10**
	1600	0222	?	**Iwaki** (Honshu-Japan)	0803-27=	2	
	1600	0723	2*a*	**Iwaki** (Honshu-Japan)	0803-27=	2	
	1600	10 w	?	**Oshima** (Izu Is-Japan)	0804-01=		
	1601	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1601	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1601	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1602	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1602	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1602	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1602*	....	?	*Colima (Mexico)*	1401-04=	*2?*	
	1603	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1603	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1603	07	>3yr	**Etna** (Italy)	0101-06=	2	6/-
@	**1603**	1031	15*m*	**Grimsvötn** (Iceland-NE)	1703-01=	2	
	1604	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1604	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1604	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1604*	....	?	*Asama (Honshu-Japan)*	0803-11=	*2*	
	1604	0207	?	**Iwaki** (Honshu-Japan)	0803-27=	3?	
	1605	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1605	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1605	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1605	....	365*y*	**Momotombo** (Nicaragua)	1404-09=	4	-/8
?	*1605*	*0410*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2?*	
	1605	05	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1605	1027	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	2	6/6
	1605	12	61*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1606	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1606	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1606	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
	1606	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*3*	*-/8*
	1606	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1606*	....	?	*Mere Lava (Vanuatu-SW Pacific)*	0507-021		
	1606	0123	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	2	
	1606	1125	18*a*>	**Colima** (Mexico)	1401-04=	4	
	1606	*1213*	....	*Colima (Mexico)*	1401-04=	*4*	
	1607	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1607	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1607	0628	368*w?*	**Etna** (Italy)	0101-06=	2	8/6
	1608	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1608	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/6*
	1608	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1608 c	....	?	**Taal** (Luzon-Philippines)	0703-07=	2?	
	1608	0718	1*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3	
	1609	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1609	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1609	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1609	....	?	**Banda Api** (Banda Sea)	0605-09=	3↑	
?	*1609*	....	?	*Tengchong (SE Asia)*	0705-11-		
?	*1609*	....	?	*Cosigüina (Nicaragua)*	1404-01=		
?	*1609*	....	?	*Momotombo (Nicaragua)*	1404-09=		
	1609	0405	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1610	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1610	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
G	**1610** x	....	?	**Savai'i** (Samoa-SW Pacific)	0404-04=		
G	**1610** s	....	?	**St. Helens** (US-Washington)	1201-05-		8/-
C	**1610** t	....	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	
I	**1610** ?	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1610	0206	190*a*	**Etna** (Italy)	0101-06=	2	8/6
	1611	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1611	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1611	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
?	*1611*	....	?	*Bandai (Honshu-Japan)*	0803-16=		

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1611	0415	808*w*	**Colima** (Mexico)	1401-04=	3	
?	*1611*	*10*	?	*Usu (Hokkaido-Japan)*	0805-03=		
	1612	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1612	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1612	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1612	....	?	**Eyjafjallajökull** (Iceland-S)	1702-02=	2	-/6
	1612	0812	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1612	1012	?	**Katla** (Iceland-S)	1702-03=	4	-/8
	1612	1015w	?	**Oshima** (Izu Is-Japan)	0804-01=		
	1613	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1613	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
	1613	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1613	....	365*y*	**Kirishima** (Kyushu-Japan)	0802-09=	*2?*	
	1613	....	?	**Orizaba, Pico de** (Mexico)	1401-10=	0	
?	*1613*	....	?	*San Cristobal (Nicaragua)*	1404-02=		
	1613	....	?	**Telica** (Nicaragua)	1404-04=	2?	
?	*1613*	....	?	*Masaya (Nicaragua)*	1404-10=	*0*	
	1613	0808	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1614	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1614	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1614	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1614*	....	?	*Banda Api (Banda Sea)*	0605-09=		
	1614	....	?	**Fuego** (Guatemala)	1402-09=	2	
	1614	0701?	>3yr	**Etna** (Italy)	0101-06=	2	9/6
	1615	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1615	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1615	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1615	....	>3yr	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1615	0316	30*m?*	**Banda Api** (Banda Sea)	0605-09=	3	
?	*1615*	*0807?*	?	*Ibusuki [Kaimon] (Kyushu-Japan)*	0802-07=		
	1616	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1616	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1616	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1616	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1616	0219	4*a*	**Mayon** (Luzon-Philippines)	0703-03=	3	
	1616	0704	<1	**Galeras** (Colombia)	1501-08=	3↑	
	1616	0706	?	**Manam** (New Guinea-NE of)	0501-02=	2?	
	1617	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1617	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1617	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1617	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1617	....	3*a*	**Fuego** (Guatemala)	1402-09=	3	
	1618	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1618	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1618	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1618	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1618	....	?	**Vulcano** (Italy)	0101-05=		
	1618	0131	?	**Iwaki** (Honshu-Japan)	0803-27=	2	
	1619	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1619	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1619	....	....	*Stromboli (Italy)*	0101-04=	*2?*	
	1619	0729	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1620	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1620	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1620	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1620	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1620	....	?	**Zao** (Honshu-Japan)	0803-19=	2?	
M	**1620** ?	....	?	**Southern EPR-Segment I** (Pacific)	1304-14-	0	
	1620	....	?	**Fuego** (Guatemala)	1402-09=	2	
	1620	0603	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1621	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1621	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1621	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1621*	....	?	*Santa Ana (El Salvador)*	1403-02=		
	1622	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1622	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1622	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1622	....	?	**Zao** (Honshu-Japan)	0803-19=	2?	
I	**1622** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1622	0608	1*a*	**Colima** (Mexico)	1401-04=	4	
	1623	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1623	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1623	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1623	....	?	**Oshima** (Izu Is-Japan)	0804-01=		
	1623 ?	....	?	**Pacaya** (Guatemala)	1402-11=	3	
	1623	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=	1?	
	1623	01	?	**Fuego** (Guatemala)	1402-09=	2	
	1623	0515?	549*m?*	**Zao** (Honshu-Japan)	0803-19=	3	
	1624	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1624	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1624	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1624	*0206*	....	*Zao (Honshu-Japan)*	0803-19=	*2?*	
	1625	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1625	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1625	....	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=	3	
M	**1625** ?	....	?	**Southern EPR-Segment K** (Pacific)	1304-12-	0	
	1625	0902	12*a*	**Katla** (Iceland-S)	1702-03=	5	-/9
	1626	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1626	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1626	03	15*m*	**Vulcano** (Italy)	0101-05=	3	
	1626	0519	57*m?*	**Usu** (Hokkaido-Japan)	0805-03=		
	1627	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1627	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1627*	....	?	*Fuji (Honshu-Japan)*	0803-03=		
	1628	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1628	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1628	10	?	**Sangay** (Ecuador)	1502-09=	3↑	
	1628	1026	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1629	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1629	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1629	....	>3yr	**Fuego** (Guatemala)	1402-09=	2	
	1629	....	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1630	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1630	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	1630	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1630** t	....	?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
	1630	....	?	**Zao** (Honshu-Japan)	0803-19=	2?	
C	**1630** t	....	?	**Soufrière Hills** (W Indies)	1600-05=		7/-
	1630	0903	60*a*	**Furnas** (Azores)	1802-10=	5	7/9
	1631	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1631	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	1631	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1631	....	?	**Vulcano** (Italy)	0101-05=		
@	**1631**	0214?	?	**Dama Ali** (Ethiopia)	0201-141		
	1631	12	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1631	1216	45*a?*	**Vesuvius** (Italy)	0101-02=	5?	-/9
	1632	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*5?*	*-/9*
	1632	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1632	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	1632	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1632	....	?	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=	0	
I	**1632** ?	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1632	1216	?	**Banda Api** (Banda Sea)	0605-09=	3↑	
	1633	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1633	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1633*	*0221*	?	*Etna (Italy)*	0101-06=		
	1634	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1634	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1634	....	?	**Taal** (Luzon-Philippines)	0703-07=	3↑	
	1634	....	?	**Oshima** (Izu Is-Japan)	0804-01=		
	1634	1219?	>3yr	**Etna** (Italy)	0101-06=	1	8/5
	1635	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1635	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/5*
	1635	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1635	....	?	**Taal** (Luzon-Philippines)	0703-07=	3↑	
	1635 <	....	?	**Pelée** (W Indies)	1600-12=		
	1635	0329	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1635	1118	?	**Banda Api** (Banda Sea)	0605-09=	1?	
	1636	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1636	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/5*
	1636	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1636	0508	390*m*	**Hekla** (Iceland-S)	1702-07=	3	-/7
	1637	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1637	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/5*
	1637	*Cont*	....	*Hekla (Iceland-S)*	1702-07=	*2*	*-/7*
	1637	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1637	....	365*y*	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1637	0701	>3yr	**Vesuvius** (Italy)	0101-02=	2	
	1637	0826	232*m*	**Oshima** (Izu Is-Japan)	0804-01=		
	1637	0929	6*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1637	10	136*s*	**Vestmannaeyjar** (Iceland-S)	1702-01=		
	1638	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	
	1638	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/5*
	1638	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1638	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=		
	1638	*Cont*	....	*Vestmannaeyjar (Iceland-S)*	1702-01=		
	1638	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1638	....	?	**Raung** (Java)	0603-34=	4?	-/8
	1638	0224d	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1638	*0327*	....	*Stromboli (Italy)*	0101-04=	*2*	
	1638	0703	25*a*	**Sete Cidades** (Azores)	1802-08=	2	
	1638	0725	?	**Usu** (Hokkaido-Japan)	0805-03=		
	1639	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	
	1639	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1639	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1640	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	
	1640	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1640	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1640	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
C	**1640** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1640	....	365*y*	**Tungurahua** (Ecuador)	1502-08=	3?	
	1640	....	?	**Osorno** (Chile-S)	1508-01=	2	
	1640 <	....	?	**Saba** (W Indies)	1600-01=		
C	**1640** t	....	?	**Soufrière St. Vincent** (W Indies)	1600-15=		

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1640	02	?	**Llaima** (Chile-C)	1507-11=	4	
?	1640	0203	?	*Villarrica (Chile-C)*	1507-12=		
	1640	0731	70*a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	5	-/9
?	1640	12	20*m*	*Awu (Sangihe Is-Indonesia)*	0607-04=	3↑	
	1640	1226*e*	9*e*	*Parker (Mindanao-Philippines)*	0701-011	2?	-/9
	1641	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1641	Cont	....	*Stromboli (Italy)*	0101-04=	1	
?	1641	Cont	....	*Awu (Sangihe Is-Indonesia)*	0607-04=	3↑	
	1641	Cont	....	*Tungurahua (Ecuador)*	1502-08=	3?	
	1641	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
?	1641	....	?	*Wilis (Java)*	0603-27=		
	1641	....	?	**Kelut** (Java)	0603-28=	4?	-/8
	1641	....	?	**Taal** (Luzon-Philippines)	0703-07=	3	
	1641	....	?	**Zao** (Honshu-Japan)	0803-19=	2?	
	1641	....	730*y*	**Galeras** (Colombia)	1501-08=	3	
I	1641	c	?	**Deception Island** (Antarctica)	1900-03=		
	1641	0104	....	**Parker** (Mindanao-Philippines)	0701-011	5?	-/9
	1642	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1642	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1642	Cont	....	*Galeras (Colombia)*	1501-08=	3	
	1642	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1642	....	?	**Popocatépetl** (Mexico)	1401-09=	2	
	1642	0406	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
	1643	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1643	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1643	Cont	....	*Galeras (Colombia)*	1501-08=	3	
	1643	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1643	0220	8*a*	**Etna** (Italy)	0101-06=	1	6/5
	1643	0331	15*m*	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	6/7
	1643	0420	?	**Karkar** (New Guinea-NE of)	0501-03=	3↑	
	1643	0421	?	**Manam** (New Guinea-NE of)	0501-02=	2	
?	1643	0615	?	*Gamalama (Halmahera-Indonesia)*	0608-06=	2?	
	1644	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1644	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1644	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1644	....	730*y*?	**Tungurahua** (Ecuador)	1502-08=	2	
	1644	....	?	**Osorno** (Chile-S)	1508-01=	2	
	1644	0220	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1645	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1645	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1645	Cont	....	*Tungurahua (Ecuador)*	1502-08=	2	
	1645	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1645	....	?	**Taal** (Luzon-Philippines)	0703-07=	3↑	
	1645	0224?	86*a*?	**Asama** (Honshu-Japan)	0803-11=	2	
	1646	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1646	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1646	Cont	....	*Tungurahua (Ecuador)*	1502-08=	2	
	1646	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1646	e	?	**Awu** (Sangihe Is-Indonesia)	0607-04=	2?	
	1646	0719	2*a*	**Makian** (Halmahera-Indonesia)	0608-07=	4?	-/8
	1646	1002	80*a*	**La Palma** (Canary Is)	1803-01-	2	7/6
	1646	1120	58*a*	**Etna** (Italy)	0101-06=	2	8/6
	1647	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1647	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1647	Cont	....	*Etna (Italy)*	0101-06=	2	8/6
	1647	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1647	0218	35*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1647	0513	?	**Villarrica** (Chile-C)	1507-12=	1?	
	1648	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1648	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1648	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1648	0320?	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1648	0615	3*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1648	0830?	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1649	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1649	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1649	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1649	02	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=	2	-/6
	1649	07	31*p*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1649	0817?	1*a*?	**Asama** (Honshu-Japan)	0803-11=	2	
	1649	1128	....	*Vesuvius (Italy)*	0101-02=	2	
	1650	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1650	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1650	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1650	t	?	**Cameroon** (Africa-W)	0204-01=	3↑	
C	1650	t	?	**Bamus** (New Britain-SW Pac)	0502-11=		
G	1650	p	?	**Savo** (Solomon Is-SW Pacific)	0505-07=		
	1650	t	?	**Paluweh** (Lesser Sunda Is)	0604-15=	3	
C	1650	?	?	**Ebeko** (Kuril Is)	0900-38=		
	1650	t	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
G	1650	j	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T	1650	v	?	**Augustine** (Alaska-SW)	1103-01-		
C	1650	?	?	**Iliamna** (Alaska-SW)	1103-02-		
T	1650	t	?	**Spurr** (Alaska-SW)	1103-04-		
?	1650	?	?	*Lassen [Chaos Crags] (US-Calif)*	1203-08-		
T	1650	t	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
C	1650	?	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
C	1650	t	?	**Hualalai** (Hawaiian Is)	1302-04-	1	
U	1650	v	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
?	1650	t	?	*Sumaco (Ecuador)*	1502-04=	3?	
	1650	t	?	**Chillán, Nevados de** (Chile-C)	1507-07=	3?	
?	1650	t	?	*Minchinmávida (Chile-S)*	1508-04=		
?	1650	0702?	?	*Asama (Honshu-Japan)*	0803-11=	2?	
	1650	0927	70*a*	**Santorini** (Greece)	0102-04=	4?	-/8
	1650	1027	?	**Nemrut Dagi** (Turkey)	0103-02=		
	1651	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1651	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1651	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1651	....	?	**Vulcano** (Italy)	0101-05=		
	1651	0117	914*m*?	**Etna** (Italy)	0101-06=	1	8/5
	1651	0218	54*a*	**Pacaya** (Guatemala)	1402-11=	2	
	1651	0412	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1652	Cont	....	*Vesuvius (Italy)*	0101-02=	2	
	1652	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1652	Cont	....	*Etna (Italy)*	0101-06=	1	8/5
	1652	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1652	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	3↑	
	1652	....	?	**Aoga-shima** (Izu Is-Japan)	0804-06=	3	
	1652	0412	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1652	1019	7*a*	**Picos Volc System** (Azores)	1802-081	2	6/6
	1653	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1653	Cont	....	*Etna (Italy)*	0101-06=	1	8/5
	1653	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
?	1653	....	365*y*	*Asama (Honshu-Japan)*	0803-11=	2?	
	1653	1231*y*	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	3↑	
	1654	Cont	....	*Stromboli (Italy)*	0101-04=	1	
?	1654	Cont	....	*Asama (Honshu-Japan)*	0803-11=	2?	
	1654	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1654	0101	912*w*?	**Etna** (Italy)	0101-06=	1	
	1654	0225	>3*yr*	*Vesuvius (Italy)*	0101-02=	2?	
	1655	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1655	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1655	Cont	....	*Etna (Italy)*	0101-06=	1	
	1655	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
D	1655	?	?	**Taranaki [Egmont]** (New Zealand)	0401-03=	4	-/8
	1655	0415*q*	?	**Kverkfjöll** (Iceland-NE)	1703-05=	0	
	1655	07	?	**Pacaya** (Guatemala)	1402-11=	2	
	1655	1125	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1656	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1656	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1656	Cont	....	*Etna (Italy)*	0101-06=	1	
	1656	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1656	1210	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1657	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1657	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1657	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1657	0315	?	**Villarrica** (Chile-C)	1507-12=	1?	
	1657	1125	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1658	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1658	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1658	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1658	....	?	**Merapi** (Java)	0603-25=	3↑	
	1658	0724	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1658	10 ?	?	**Haku-san** (Honshu-Japan)	0803-05=	2?	
	1658	1103	?	**San Salvador** (El Salvador)	1403-05=	3	7/-
	1659	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1659	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1659	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
	1659	02	868*w*	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1659	04	>3yr	**Chokai** (Honshu-Japan)	0803-22=		
	1659	0421	109*a*	**Haku-san** (Honshu-Japan)	0803-05=	2?	
	1659	06	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1659	0724	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1659	11	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1659	1111	?	**Teon** (Banda Sea)	0605-05=	3↑	
	1660	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1660	Cont	....	*Kirishima (Kyushu-Japan)*	0802-09=	2?	
	1660	Cont	....	*Chokai (Honshu-Japan)*	0803-22=		
	1660	Cont	....	*Fogo (Cape Verde Is)*	1804-01=	1	
G	1660	r	?	**Nabukelevu** (Fiji Is-SW Pacific)	0405-03-		
C	1660	p	?	**Long Island** (New Guinea-NE of)	0501-05=	6	-/10
	1660	....	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	3↑	
?	1660	....	?	*Makian (Halmahera-Indonesia)*	0608-07=		
	1660	....	?	**Planchón-Peteroa** (Chile-C)	1507-04=	3↑	
	1660	02	?	**Teon** (Banda Sea)	0605-05=	4?	-/8
	1660	0408?	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1660	0703	....	**Vesuvius** (Italy)	0101-02=	3	
	1660	1027	32*a*	**Guagua Pichincha** (Ecuador)	1502-02=	4	-/8
	1660	1103	240*w*	**Katla** (Iceland-S)	1702-03=	4	-/8
	1661	Cont	....	*Vesuvius (Italy)*	0101-02=	2?	
	1661	Cont	....	*Stromboli (Italy)*	0101-04=	1	
	1661	Cont	....	*Kirishima (Kyushu-Japan)*	0802-09=	2?	
	1661	Cont	....	*Chokai (Honshu-Japan)*	0803-22=		

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1661	*Cont*	....	*Katla (Iceland-S)*	1702-03=	*2*	*-/8*
	1661	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1661	0414	13*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1661	1021	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1662	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1662	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1662	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=		
	1662	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1662	....	?	**Ubinas** (Perú)	1504-02=	3?	
	1662	0126?	?	**Kuju** (Kyushu-Japan)	0802-12=	2?	
	1662	09	655*w*	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1663	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1663	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1663	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1663	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=		
	1663	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1663	....	?	**Atitlán** (Guatemala)	1402-06=	2	
	1663	0118	?	**Teon** (Banda Sea)	0605-05=	3↑	
	1663	04	25*a*	**Unzen** (Kyushu-Japan)	0802-10=	2?	
	1663	0816	20*d*	**Usu** (Hokkaido-Japan)	0805-03=	**5**	**-/9**
	1663	1013	737*a*	**Popocatépetl** (México)	1401-09=	3?	
	1663	1211	16*a>*	**Unzen** (Kyushu-Japan)	0802-10=	2?	6/-
	1663	1231y	?	**Merapi** (Java)	0603-25=	3↑	
	1664	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1664	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1664	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*2*	
	1664	*Cont*	....	*Popocatépetl (México)*	1401-09=	*2*	
	1664	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1664	....	?	**Iwo-Tori-shima** (Ryukyu Is)	0802-02=		
	1664	....	7*a?*	**Pacaya** (Guatemala)	1402-11=	3	
	1664	0115?	?	**San Martín** (México)	1401-11=	3	
	1665	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1665	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1665	*Cont*	....	*Popocatépetl (México)*	1401-09=	*2*	
	1665	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1665	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1666	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1666	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1666	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
D	**1666** ?	....	?	**Lassen [Cinder Cone]** (US-Calif)	1203-08-	3?	
	1666	....	730*y*	**Popocatépetl** (México)	1401-09=	2?	
	1667	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1667	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1667	*Cont*	....	*Popocatépetl (México)*	1401-09=	*2?*	
	1667	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1667*	....	?	*Kirishima (Kyushu-Japan)*	0802-09=		
	1667	....	?	**Ubinas** (Perú)	1504-02=	3	
	1667	0923	3*a?*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	**5**	**-/9**
	1668	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1668	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1668	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1668	02	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1668	06	?	**Changbaishan** (China-E)	1005-06-		
	1668	08	321*w*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1668	08	?	**Zao** (Honshu-Japan)	0803-19=	2?	
	1668	08	317*m*	**Pacaya** (Guatemala)	1402-11=	2	
	1669	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1669	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1669	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1669	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*2*	
	1669	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1669	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1669	....	?	**Zao** (Honshu-Japan)	0803-19=	3	
	1669	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=		
	1669	0311	122*a?*	**Etna** (Italy)	0101-06=	3?	**9**/8
	1669	0405	10*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1670	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1670	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1670	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
A	**1670** ?	....	?	**Aoba** (Vanuatu-SW Pacific)	0507-03=	2?	
	1670	....	>3yr	**Aoga-shima** (Izu Is-Japan)	0804-06=	2	
C	**1670** ?	....	?	**Ebeko** (Kuril Is)	0900-38=		
	1670	....	?	**Masaya** (Nicaragua)	1404-10=	3	7/-
	1670	....	*>3yr*	*Galeras (Colombia)*	1501-08=	*2*	
	1670	0426	153*a*	**Zao** (Honshu-Japan)	0803-19=	2	
?	*1670*	*0601*	*?*	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2?*	
	1670	*0813*	....	*Zao (Honshu-Japan)*	0803-19=	*2*	
	1671	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1671	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1671	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1671	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1671	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1671	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1671 ?	....	?	**Iya** (Lesser Sunda Is)	0604-11=	3↑	
?	*1671*	....	*?*	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1671	08	?	**Pacaya** (Guatemala)	1402-11=	2	
	1671	08 ?	?	**San Salvador** (El Salvador)	1403-05=	2?	
	1672	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1672	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1672	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1672	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1672	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1672	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
?	*1672* ?	....	*?*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
	1672	0424	340*a*	**Fayal** (Azores)	1802-01=	2	
?	*1672*	*0712*	*16a*	*Iwaki (Honshu-Japan)*	0803-27=	*2?*	
	1672	0804	?	**Merapi** (Java)	0603-25=	3	
	1673	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1673	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1673	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1673	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1673	*Cont*	....	*Fayal (Azores)*	1802-01=	*2*	
	1673	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1673	0520	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	**5**?	**-/9**
	1674	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1674	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1674	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1674	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1674	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1674	07	?	**Pacaya** (Guatemala)	1402-11=	2	
	1675	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1675	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1675	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1675	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1675	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1675 q	....	?	**Lewotobi** (Lesser Sunda Is)	0604-18=	3↑	
	1675	....	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	3↑	
	1675	0216	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1675	06 ?	?	**Kuju** (Kyushu-Japan)	0802-12=	2?	
	1676	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1676	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1676	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1676	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1676	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1676	1231y	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1677	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1677	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1677	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1677	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1677	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1677	....	?	**Merapi** (Java)	0603-25=	3↑	
	1677	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1677	....	?	**Ubinas** (Perú)	1504-02=	3?	
?	*1677*	....	*?*	*Hierro (Canary Is)*	1803-02-		
	1677	0502	?	**Misti, El** (Perú)	1504-01=	2	
?	*1677*	*07*	*?*	*Pacaya (Guatemala)*	1402-11=		
	1677	1117	65*a*	**La Palma** (Canary Is)	1803-01-	2	7/6
	1678	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1678	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1678	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1678	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1678	*Cont*	....	*La Palma (Canary Is)*	1803-01-	*2*	*7/6*
	1678	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1678	0222?	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	2	-/6
	1678	0229	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
	1678	0301	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
	1678	08 ?	3*a?*	**Pacaya** (Guatemala)	1402-11=	2	
	1678	0819	?	**Merapi** (Java)	0603-25=	3↑	
	1679	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1679	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1679	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1679	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1679	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1679*	....	*?*	*Fuego (Guatemala)*	1402-09=		
	1680	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1680	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1680	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	
	1680	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1680	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1680	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	**5**?	**-/9**
C	**1680** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1680	....	?	**San Cristóbal** (Nicaragua)	1404-02=	2?	
	1680	05	552*m>*	**Krakatau** (Indonesia)	0602-00=	3	-/8
	1681	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1681	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	*-/8*
	1681	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1681	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
@	**1681**	0410	?	**Grímsvötn** (Iceland-NE)	1703-01=		
	1682	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1682	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1682	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1682	0812	10*a*	**Vesuvius** (Italy)	0101-02=	3	-/6
	1682	0901	45*m?*	**Etna** (Italy)	0101-06=	2	
	1682	1213	?	**Sete Cidades** (Azores)	1802-08=	2	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1683	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1683	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1683	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1683	....	?	**Serua** (Banda Sea)	0605-07=	3↑	
	1683	....	?	**Banda Api** (Banda Sea)	0605-09=	3	
	1683	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	3↑	
L	**1683** ?	....	?	**Penguin Island** (Antarctica)	1900-031		
	1683	06	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1684	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1684	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1684	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1684	0201	?	**Krakatau** (Indonesia)	0602-00=	3↑	
	1684	0214	>3yr	**Oshima** (Izu Is-Japan)	0804-01=	3	7/8
	1684	07	?	**San Cristóbal** (Nicaragua)	1404-02=	2	
	1684	1105d	*72m*	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1685	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1685	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1685	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1685	*Cont*	....	*Grímsvötn (Iceland-NE)*	1703-01=	*2*	
	1685	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1685** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1685	08	?	**San Cristóbal** (Nicaragua)	1404-02=	2	
	1685	08	?	**Telica** (Nicaragua)	1404-04=	2	
@	**1685**	09	?	**Fuego** (Guatemala)	1402-09=	2	
	1685	*1003*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2?*	
	1686	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1686	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1686	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1686	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1686	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1686	....	?	**Fuego** (Guatemala)	1402-09=	2	
	1686	0326	<1	**Iwate** (Honshu-Japan)	0803-24=	3	-/7
	1686	09 ?	*28m?*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1687	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1687	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1687	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1687	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1687	....	?	**Orizaba, Pico de** (México)	1401-10=	2	
	1687	....	....	*Galeras (Colombia)*	1501-08=	*2*	
	1687	0326	*2a*	**Pacaya** (Guatemala)	1402-11=	2	
?	*1687*	*0414*	*92m*	*Iwate (Honshu-Japan)*	0803-24=	*2?*	
	1687	0510	*1a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3↑	
	1687	0615	?	**Serua** (Banda Sea)	0605-07=	3↑	
	1688	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1688	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1688	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1688	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1688	....	?	**Vulcano** (Italy)	0101-05=		
	1688	....	?	**Etna** (Italy)	0101-06=	1	
	1688 ?	....	?	**Villarrica** (Chile-C)	1507-12=	1	
	1688	*0605*	....	*Stromboli (Italy)*	0101-04=	*2*	
	1689	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1689	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1689	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1689	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1689	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1689*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1689	0314	?	**Etna** (Italy)	0101-06=	1	7/-
?	*1689*	*0622*	?	*Iwate (Honshu-Japan)*	0803-24=	*2?*	
	1690	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1690	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1690	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/8*
	1690	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1690	....	?	**Guntur** (Java)	0603-13=	3	
	1690	....	>3yr	**Banda Api** (Banda Sea)	0605-09=	3↑	
	1690	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
?	*1690*	....	*730y*	*Unzen (Kyushu-Japan)*	0802-10=		
?	*1690*	*j*	?	*Asuncion (Mariana Is-C Pacific)*	0804-15=		
T	**1690**	*j*	?	**Usu** (Hokkaido-Japan)	0805-03=		
T	**1690**	*j*	?	**Chikurachki** (Kuril Is)	0900-36=	4	
	1690	*j*	?	**Koshelev** (Kamchatka)	1000-02=	3↑	
G	**1690** *w*		?	**Tseax River Cone** (Canada)	1200-10-		8/-
	1690	....	?	**Colima** (México)	1401-04=	3?	
	1690	....	?	**Pacaya** (Guatemala)	1402-11=	2?	
	1690	....	....	*Galeras (Colombia)*	1501-08=	*2*	
	1690	0405>	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	1	
	1691	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1691	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1691	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
?	*1691*	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=		
	1691	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1691	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1691	....	?	**Reventador** (Ecuador)	1502-01=	3↑	
	1691	04	*121p*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1692	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1692	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1692	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
?	*1692*	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=		
	1692	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1692	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1692*	....	?	*Liamuiga (W Indies)*	1600-03=		
?	*1692*	....	*42c*	*Hierro (Canary Is)*	1803-02-		
?	*1692*	*0413*	?	*Nemrut Dagi (Turkey)*	0103-02=		
?	*1692*	*0604?*	?	*Serua (Banda Sea)*	0605-07=		
	1693	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2?*	
	1693	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1693	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1693	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1693	....	?	**Teon** (Banda Sea)	0605-05=	3↑	
	1693	....	?	**Pacaya** (Guatemala)	1402-11=	*2?*	
?	*1693*	*0109*	?	*Etna (Italy)*	0101-06=		
	1693	0213	*214a?*	**Hekla** (Iceland-S)	1702-07=	4	-/8
	1693	0604	*41m*	**Serua** (Banda Sea)	0605-07=	4?	-/8
	1693	*0901*	....	*Stromboli (Italy)*	0101-04=	*2*	
	1693	*12*	*334p?*	*Etna (Italy)*	0101-06=	*2*	
	1694	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1694	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1694	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1694	....	?	**Serua** (Banda Sea)	0605-07=	3↑	
	1694	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	3?	
	1694	03	....	**Etna** (Italy)	0101-06=	3?	
	1694	0413	....	**Vesuvius** (Italy)	0101-02=	3	
	1694	0529	*93a?*	**Zao** (Honshu-Japan)	0803-19=	2	
?	*1694*	*0619*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2?*	
	1694	0704	*2a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	4	-/8
	1694	*1130*	....	*Banda Api (Banda Sea)*	0605-09=	*3*	
	1695	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1695	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1695	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1695	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1695	0412?	?	**Oshima** (Izu Is-Japan)	0804-01=		
	1695	0623	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1696	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1696	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1696	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1696	....	....	*Galeras (Colombia)*	1501-08=	*2*	
	1696	04	?	**Soufrière Guadeloupe** (W Indies)	1600-06=	1	
	1696	0731	*14a?*	**Vesuvius** (Italy)	0101-02=	2	
	1697	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1697	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1697	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1697	....	*365y*	**Kliuchevskoi** (Kamchatka)	1000-26=	3↑	
	1697	....	?	**Grímsvötn** (Iceland-NE)	1703-01=		
I	**1697**	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
	1697	*0915*	*303m*	*Vesuvius (Italy)*	0101-02=	*2*	
	1697	1020	?	**Popocatépetl** (México)	1401-09=	1	
	1698	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1698	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*3*	
	1698	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1698	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1698	....	?	**Cotopaxi** (Ecuador)	1502-05=	3?	
	1698	0203	?	**Cereme** (Java)	0603-17=	3	
	1698	0525	....	**Vesuvius** (Italy)	0101-02=	3	
	1699	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1699	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1699	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1699	....	?	**Gunungapi Wetar** (Banda Sea)	0605-03=	3↑	
?	*1699*	....	?	*Awu (Sangihe Is-Indonesia)*	0607-04=		
?	*1699 a*	....	?	*Tolbachik (Kamchatka)*	1000-24=	*2?*	
	1699	....	?	**Fuego** (Guatemala)	1402-09=	2	
	1699	....	?	**San Miguel** (El Salvador)	1403-10=	2	
?	*1699*	*0105*	?	*Salak (Java)*	0603-05=		
	1699	0629	?	**Pacaya** (Guatemala)	1402-11=	2?	

1700

	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1700	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1700	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1700	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1700** *v*	....	?	**Emuruangogolak** (Africa-E)	0202-051	0	
C	**1700** *t*	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
	1700	....	?	**Fuji** (Honshu-Japan)	0803-03=	2?	
T	**1700** ?	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
	1700	....	>3yr	**Amak** (Aleutian Is)	1101-39-		
T	**1700** *v*	....	?	**Glacier Peak** (US-Washington)	1201-02-	2	
M	**1700** *q*	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
T	**1700** ?	....	?	**Cayambe** (Ecuador)	1502-006		
T	**1700** *t*	....	?	**Tristan da Cunha** (Atlantic-S)	1806-01=		
	1700	0311	?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1700	0324	?	**Ritter Island** (New Guinea-NE of)	0501-07=	3↑	
?	*1700*	*04*	?	*Kadovar (New Guinea-NE of)*	0501-002		
	1700	0402	?	**Manam** (New Guinea-NE of)	0501-02=		
	1701	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1701	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1701	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1701	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
? 1701	....	*?*	*Campi Flegrei Mar Sicilia (Italy)*	0101-07=	*2*	
1701	*0701*	*398a*	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1702	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1702	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1702	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1702	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1702	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
@ **1702**	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
1702	0308	61*a*	**Etna** (Italy)	0101-06=	1	*7/-*
1702	0609	?	**Changbaishan** (China-E)	1005-06-		
1702	0804	?	**Fuego** (Guatemala)	1402-09=	*2*	
1703	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1703	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1703	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1703	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1703	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1703 *<*	....	730*y>*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1703	....	?	**Asama** (Honshu-Japan)	0803-11=	2	
1704	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1704	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1704	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
1704	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1704	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1704	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1704	0205	4*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1704	1231	87*a*	**Tenerife** (Canary Is)	1803-03-	2	*7/-*
1705	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1705	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1705	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
1705	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1705	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1705	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1705	*0105*	....	*Tenerife (Canary Is)*	1803-03-	*2*	*7/-*
1705	0131	2*a*	**Fuego** (Guatemala)	1402-09=	2	
1706	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1706	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1706	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1706	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1706	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
1706	01	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
1706	0128	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1706	0505	39*a*	**Tenerife** (Canary Is)	1803-03-	2	*7/-*
1706	*0720*	....	*Vesuvius (Italy)*	0101-02=	*2?*	*-/6*
1706	1004	?	**Fuego** (Guatemala)	1402-09=	2	
1706	1015*q*	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
1706	1120	?	**Asama** (Honshu-Japan)	0803-11=	2	
1707	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1707	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1707	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1707	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1707	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
? 1707	....	*?*	*Hachijo-jima (Izu Is-Japan)*	0804-05=	*2*	
T **1707** r	....	?	**Shikotsu [Eniwa]** (Hokkaido)	0805-04=	2	
1707	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
1707	0523	>3yr	**Santorini** (Greece)	0102-04=	3	*7/-*
1707	0729	....	**Vesuvius** (Italy)	0101-02=	3	*-/6*
1707	1216	39*a?*	**Fuji** (Honshu-Japan)	0803-03=	**5**	***-/9***
1708	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1708	*Cont*	....	*Santorini (Greece)*	0102-04=	*3*	*7/-*
1708	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1708	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1708	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1708	04	15*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	*7/-*
1708	*0814*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
? 1708	*0917*	*?*	*Aso (Kyushu-Japan)*	0802-11=	*2*	
? 1708	*12*	*32m?*	*Fuji (Honshu-Japan)*	0803-03=		
1708	1229	10*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1709	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1709	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1709	*Cont*	....	*Santorini (Greece)*	0102-04=	*3*	*7/-*
? 1709	*Cont*	....	*Fuji (Honshu-Japan)*	0803-03=		
1709	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
1709	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1709	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1709	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1709	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1709	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
1709 ?	....	?	**Cosigüina** (Nicaragua)	1404-01=		
1709	0213	?	**Aso** (Kyushu-Japan)	0802-11=	2	
? 1709	*0423*	*?*	*Iwaki (Honshu-Japan)*	0803-27=	*2?*	
? 1709	*0423*	*?*	*Miyake-jima (Izu Is-Japan)*	0804-04=		
? 1709	*1014*	*?*	*Fuego (Guatemala)*	1402-09=		
1710	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
1710	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1710	*Cont*	....	*Santorini (Greece)*	0102-04=	*3*	*7/-*
1710	*Cont*	....	*Amak (Aleutian Is)*	1101-39-		
1710	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
1710 j	....	?	**Ushishur** (Kuril Is)	0900-21=	1	

Chip Clark (Smithsonian)

A contemporary folding screen by Ogata Korin correctly depicts the last major eruption of Mount Fuji, in 1707, as originating from Hoei crater on the SE flank (far left panel). Ashfall from this eruption, the largest from Fuji-san in historical time, reached the capital city of Edo (present-day Tokyo).

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1710	j	?	**Nemo Peak** (Kuril Is)	0900-32=	2	
G	**1710**	x	?	**Snowy Mountain** (Alaska Peninsula)	1102-20-		
	1710	....	....	*Galeras (Colombia)*	1501-08=	*2*	
	1710	e	?	**Mentolat** (Chile-S)	1508-054		
	1710	0325	19*a*	**Asama** (Honshu-Japan)	0803-11=	2	
?	*1710*	*0627*	?	*Komaga-take (Hokkaido-Japan)*	0805-02=		
	1710	1014	?	**Fuego** (Guatemala)	1402-09=	2	
	1711	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1711	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1711	*Cont*	....	*Santorini (Greece)*	0102-04=	*3*	*7/-*
	1711	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1711	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1711	?	?	**Azuma** (Honshu-Japan)	0803-18=	1	*-/5*
	1711	....	3*a*	**Colima** (Mexico)	1401-04=	3?	
	1711	0413	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1711	1210	6*a*	**Awu** (Sangihe Is-Indonesia)	0607-04=	3	
	1712	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1712	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1712	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1712	0115q	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
	1712	0116	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1712	0204	878*w*	**Miyake-jima** (Izu Is-Japan)	0804-04=	3?	5/8
	1712	*0205*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1712	05	214*p*	**Banda Api** (Banda Sea)	0605-09=	2	
	1712	1009	55*a*	**La Palma** (Canary Is)	1803-01-	2	*7/-*
?	*1712*	*1126d*	?	*Fueguino (Chile-S)*	1508-09-		
	1712	1231y	?	**Chirpoi** (Kuril Is)	0900-15=	4?	
	1713	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1713	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*1*	*5/8*
	1713	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1713	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1713	....	?	**Kharimkotan** (Kuril Is)	0900-30=	3↑	
	1713	....	?	**Sete Cidades** (Azores)	1802-08=	2	7/6
	1713	*0417*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1713	0629	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1714	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1714	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*1*	*5/8*
	1714	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1714	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1714	*0615*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1715	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1715	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1715	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1715	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1715	....	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
	1715	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
	1716	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1716	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1716	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1716	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1716	....	?	**Villarrica** (Chile-C)	1507-12=	1	
	1716	0311	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	*-/7*
	1716	0720	?	**Kelut** (Java)	0603-28=	2	
	1716	0924	3*a*	**Taal** (Luzon-Philippines)	0703-07=	4?	
	1716	1005d	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
	1716	1006	?	**Grimsvötn** (Iceland-NE)	1703-01=	2	
	1716	1109	96*a*	**Kirishima** (Kyushu-Japan)	0802-09=	3	*-/8*
	1717	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1717	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1717*	....	?	*Pacaya (Guatemala)*	1402-11=		
	1717	....	....	**Galeras** (Colombia)	1501-08=	3	
	1717	*0207*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*3*	*-/8*
	1717	*0606*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1717	0804	44*a*>	**Bárdarbunga** (Iceland-NE)	1703-03=	3?	
	1717	0827	121*e*	**Fuego** (Guatemala)	1402-09=	4?	*-/8*
@	**1717**	0829	>3yr	**Atitlán** (Guatemala)	1402-06=		
	1717	0919	?	**Kirishima** (Kyushu-Japan)	0802-09=	3	*-/7*
	1717	0923	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1718	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1718	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
@	*1718*	*Cont*	....	*Atitlán (Guatemala)*	1402-06=		
	1718	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1718	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1718	0201	318*e*	**Pico** (Azores)	1802-02=	2	
	1718	0326?	3*a*	**Soufrière St. Vincent** (W Indies)	1600-15=	3?	
	1718	0926	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1719	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1719	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
@	*1719*	*Cont*	....	*Atitlán (Guatemala)*	1402-06=		
	1719	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1719	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1719	w	?	**Dukono** (Halmahera-Indonesia)	0608-01=		
	1719	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
?	*1719*	<	?	*Bandai (Honshu-Japan)*	0803-16=		
	1719	....	?	**Osorno** (Chile-S)	1508-01=	2	
@	**1719**	0610	1*a*	**Asama** (Honshu-Japan)	0803-11=		
	1720	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1720	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
@	*1720*	*Cont*	....	*Atitlán (Guatemala)*	1402-06=		
	1720	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1720	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
C	**1720**	t	?	**Raoul Island** (Kermadec Is)	0402-03=	4	*-/8*
	1720	....	365*y*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1720	....	?	**Popocatépetl** (Mexico)	1401-09=	1	
T	**1720**	w	?	**Bravo, Cerro** (Colombia)	1501-012	4	*-/8*
I	**1720**	....	?	**Bardarbunga** (Iceland-NE)	1703-03=	2	
	1720	0114	514*m*	**Wudalianchi** (China-E)	1005-03-	3	**9**/8
	1720	0606	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1720	0710	159*m?*	**Pico** (Azores)	1802-02=	2	
	1720	1208?	*??e?*	**Don Joao de Castro Bank** (Azores)	1802-07=	3	
	1721	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1721	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1721	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1721	*Cont*	....	*Wudalianchi (China-E)*	1005-03-	*2*	*9/8*
@	*1721*	*Cont*	....	*Atitlán (Guatemala)*	1402-06=		
	1721	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1721	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1721	0511	157*q*	**Katla** (Iceland-S)	1702-03=	5?	-/**9**
	1721	06	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1721	0622	?	**Asama** (Honshu-Japan)	0803-11=	1	*-/5*
	1722	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*-/6*
	1722	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1722	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1722	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1722	....	?	**Banda Api** (Banda Sea)	0605-09=	2	
	1722	0312	?	**Santa Ana [San Marcelino]**	1403-02=	2	
	1722	1118	79*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1723	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1723	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1723	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1723*	....	?	*Turrialba (Costa Rica)*	1405-07=	*1*	
	1723	0216	363*m?*	**Irazú** (Costa Rica)	1405-06=	3	
	1723	0420	....	**Vesuvius** (Italy)	0101-02=	3	*-/6*
	1723	0820	?	**Asama** (Honshu-Japan)	0803-11=	2	
?	*1723*	*1122*	*175m?*	*Etna (Italy)*	0101-06=	*2*	
	1724	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
?	*1724*	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1724	*Cont*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1724	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1724	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1724*	....	?	*Xianjindao (Korea)*	1006-01-		
	1724	0517	1*a*	**Krafla** (Iceland-NE)	1703-08=	2	*-/6*
	1724	*0904*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1725	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1725	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1725	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1725	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1725	q	?	**Sinarka** (Kuril Is)	0900-29=	2?	
?	*1725*	....	?	*Quilotoa (Ecuador)*	1502-06=	*2*	
?	*1725*	*q*	?	*Unnamed [Lomonosov Ridge] (Arctic)*	1707-01-	*0*	
	1725	02	?	**Grimsvötn** (Iceland-NE)	1703-01=	2	
	1725	0402	?	**Hekla** (Iceland-S)	1702-07=	1?	
	1726	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1726	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1726	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1726	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1726	j	?	**Kurikoma** (Honshu-Japan)	0803-21=	1?	
	1726	0201p	90*r*	**Bárdarbunga** (Iceland-NE)	1703-03=	1?	
	1726	05	?	**Irazú** (Costa Rica)	1405-06=	2	
	1727	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1727	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1727	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1727	....	?	**Vulcano** (Italy)	0101-05=	3	
	1727	....	>3yr	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1727	....	....	*Galeras (Colombia)*	1501-08=	*3*	
	1727	0803	268*p*	**Öraefajökull** (Iceland-SE)	1704-01=	4	*-/8*
	1727	0821	?	**Krafla** (Iceland-NE)	1703-08=	2	
	1727	1122	169*a?*	**Etna** (Italy)	0101-06=	2?	
	1728	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1728	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1728	*Cont*	....	*Etna (Italy)*	0101-06=	*2?*	
	1728	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1728	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1728	*Cont*	....	*Öraefajökull (Iceland-SE)*	1704-01=	*2*	*-/8*
	1728	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1728*	....	?	*Antisana (Ecuador)*	1502-03=	*0*	
	1728	0418	?	**Krafla** (Iceland-NE)	1703-08=	2	
	1728	0930p	>3yr	**Sangay** (Ecuador)	1502-09=	3	
	1728	1110	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1728	1218	?	**Krafla** (Iceland-NE)	1703-08=	2	8/-
	1729	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*-/6*
	1729	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1729	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1729	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	

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This 1726 lithograph shows an eruption plume from the summit of Banda Api, possibly from the last previous eruption, which took place in 1722. This sketch shows sailing ships plying the strait between the islands of Lonthur and Neira in the historic Banda Islands, the original Spice Islands of the Dutch East Indies.

	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1729	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1729	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1729	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
@	**1729**	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	1	
	1729	02	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1729	0215q	?	**Kverkfjöll** (Iceland-NE)	1703-05=	1	
	1729	0630	87*e*	**Krafla** (Iceland-NE)	1703-08=	2	
	1729	08	?	**Kverkfjöll** (Iceland-NE)	1703-05=	1	
	1729	11	31*p*	**Asama** (Honshu-Japan)	0803-11=	2	
	1730	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1730	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1730	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1730	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1730	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
T	**1730** q	....	?	**Pago** (New Britain-SW Pac)	0502-08=		
	1730 ?	....	?	**Sumbing** (Java)	0603-22=	1	
	1730	....	?	**Raung** (Java)	0603-34=	3?	-/8
?	*1730*	....	?	*Banahaw (Luzon-Philippines)*	0703-05=		
G	**1730** q	....	?	**Karymsky** (Kamchatka)	1000-13=		8/-
C	**1730** ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
	1730	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
	1730	0227	....	**Vesuvius** (Italy)	0101-02=	3	-/6
	1730	0708	?	**Villarrica** (Chile-C)	1507-12=	2?	
	1730	09	?	**Fuego** (Guatemala)	1402-09=	2	
	1730	0901	>3yr	**Lanzarote** (Canary Is)	1803-06-	3	**9**/-
	1731	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1731	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1731	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1731	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1731	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1731	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1731	....	*>3yr*	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1731	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
	1731	....	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1732	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1732	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1732	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1732	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1732	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1732	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1732	0122	267*m?*	**Iwate** (Honshu-Japan)	0803-24=	2	
	1732	05	?	**Fuego** (Guatemala)	1402-09=	2	
	1732	0517	1*a*	**Jan Mayen** (Atlantic-N-Jan Mayen)	1706-01=	3	
	1732	0730	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1732	1209	>3yr	**Etna** (Italy)	0101-06=	2	7/-
	1732	*1225*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1733	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1733	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1733	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1733	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1733	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1733	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1733	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1733	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1733 ?	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1733	0730	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1734	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1734	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1734	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1734	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1734	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1734	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1734	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1734	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1734	0101	64*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1734	06 <	?	**Santa Ana** (El Salvador)	1403-02=	2?	
	1734	12	16*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1735	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1735	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1735	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1735	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1735	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1735	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1735	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1735*	....	?	*Chokai (Honshu-Japan)*	0803-22=	*2*	
	1735	*1004*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1736	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1736	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1736	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1736	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1736	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1736	*Cont*	....	*Lanzarote (Canary Is)*	1803-06-	*3*	***9***/-
	1736	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1736	....	?	**Momotombo** (Nicaragua)	1404-09=	2?	
	1736	....	....	*Galeras (Colombia)*	1501-08=	*2*	
	1737	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1737	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1737	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1737	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1737	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1737	0310	3*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1737	0514	....	**Vesuvius** (Italy)	0101-02=	3?	7/-
	1737	08	1*a?*	**Avachinsky** (Kamchatka)	1000-10=	3	-/7
	1737	0827	28*a*	**Fuego** (Guatemala)	1402-09=	4?	-/8
	1737	0925?	40*a?*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1737	1224	?	**Villarrica** (Chile-C)	1507-12=	2?	
	1738	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1738	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	*6/7*
	1738	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1738	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1738	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1738	*03*	....	*Sangay (Ecuador)*	1502-09=	*2*	
?	*1738*	*0813*	?	*Kuju (Kyushu-Japan)*	0802-12=	*2?*	
?	*1738*	*1231y*	*183m*	*Chokai (Honshu-Japan)*	0803-22=	*2*	
	1739	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1739	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1739	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1739	....	....	**Vulcano** (Italy)	0101-05=	3	6/7
	1739	....	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
T	**1739** >	....	?	**Daisetsu** (Hokkaido-Japan)	0805-06=		

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1739	....	?	**Shiveluch** (Kamchatka)	1000-27=	3	-/7
	1739	....	....	*Sangay (Ecuador)*	1502-09=	*3*	
I	**1739**	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
	1739	0201p	?	**Tolbachik** (Kamchatka)	1000-24=	2?	
	1739	0819	12*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	**5**	**-/9**
	1740	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1740	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1740	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1740	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1740	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=		
	1740	....	?	**Ichinsky** (Kamchatka)	1000-28=	0?	
	1740	....	365*y*	**Cotopaxi** (Ecuador)	1502-05=	2	
C	**1740** w	....	?	**Hudson, Cerro** (Chile-S)	1508-057		
	1740	06 ?	>3yr	**Chokai** (Honshu-Japan)	0803-22=	2?	
	1740	12	?	**Tolbachik** (Kamchatka)	1000-24=	2	
?	*1740*	*12*	?	*Quilotoa (Ecuador)*	1502-06=	*2*	
	1741	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1741	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1741	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1741	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
	1741	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1741	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1741*	....	?	*Koshelev (Kamchatka)*	1000-02=		
	1741	*0818?*	*270p*	*Oshima-Oshima (Hokkaido-Japan)*	0805-01=	*3*	*-/8*
	1741	0829	....	**Oshima-Oshima** (Hokkaido-Japan)	0805-01=	4	-/8
	1742	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1742	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1742	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1742	*Cont*	....	*Oshima-Oshima (Hokkaido-Japan)*	0805-01=	*3*	*-/8*
	1742	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1742	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1742	....	365*y*	**Vesuvius** (Italy)	0101-02=	1	
?	*1742*	....	?	*Fuss Peak (Kuril Is)*	0900-34=		
?	*1742*	....	?	*Sangangüey (Mexico)*	1401-024		
	1742	....	?	**Villarrica** (Chile-C)	1507-12=	2?	
	1742	....	?	**Minchinmávida** (Chile-S)	1508-04=	2	
	1742	0406	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
	1742	0615	31*m*	**Cotopaxi** (Ecuador)	1502-05=	3?	
	1742	1209	?	**Cotopaxi** (Ecuador)	1502-05=	3?	
	1743	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	
	1743	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1743	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1743	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1743	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1743	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1743* ?	....	?	*Banahaw (Luzon-Philippines)*	0703-05=		
?	*1743*	....	?	*Robinson Crusoe (Chile-Is)*	1506-02=		
?	*1743*	*04*	?	*Telica (Nicaragua)*	1404-04=	*2?*	
	1743	04	?	**Cotopaxi** (Ecuador)	1502-05=	3?	
	1743	0927	8*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
	1743	1022	?	**Colima** (México)	1401-04=	2?	
	1744	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1744	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1744	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1744	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1744	....	?	**Colima** (México)	1401-04=	2	
	1744	0203	?	**Kurikoma** (Honshu-Japan)	0803-21=	2	
	1744	*04 ?*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1744	*05*	*214p*	*Cotopaxi (Ecuador)*	1502-05=	*2*	*7/8*
	1744	*11 ?*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1744	1130	....	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
	1745	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1745	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1745	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1745	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1745	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1745	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1745	....	?	**Merapi** (Java)	0603-25=	2	
	1745	....	?	**Villarrica** (Chile-C)	1507-12=	1?	
	1746	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1746	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1746	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1746	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1746	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1746	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1746	02	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1746	0418	1*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	-/6
?	*1746*	*0525m*	?	*Tres Virgenes (Mexico)*	1401-01=		
	1746	0710	<1 ?	**Krafla** (Iceland-NE)	1703-08=	1	
	1747	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1747	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1747	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*2?*	
	1747	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1747	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1747	....	365*y*	**Gede** (Java)	0603-06=	3	
	1747	....	?	**Poás** (Costa Rica)	1405-04=	2?	
	1747	....	731*y*	**Cotopaxi** (Ecuador)	1502-05=	2	
	1747	*09*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1748	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1748	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1748	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1748	*Cont*	....	*Gede (Java)*	0603-06=	*2*	
	1748	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
	1748	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1748	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
@	**1748** <	....	?	**Reventador** (Ecuador)	1502-01=	2?	
	1749	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1749	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1749	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1749	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
	1749	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1749	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1749	....	?	**Banda Api** (Banda Sea)	0605-09=	2	
?	*1749*	....	?	*Colima (Mexico)*	1401-04=	*2*	
	1749 ?	....	730*y?*	**Chillán, Nevados de** (Chile-C)	1507-07=	3↑	
	1749	0811?	35*m?*	**Taal** (Luzon-Philippines)	0703-07=	4	-/8
	1749	09	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
	1750	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1750	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1750	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1750	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1750	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2*	
	1750	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1750 t	....	?	**Tair, Jebel at** (Red Sea)	0201-01=	2	
G	**1750** ?	....	?	**Ksudach** (Kamchatka)	1000-05=	4	-/8
	1750 t	....	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
T	**1750** t	....	?	**Gorely** (Kamchatka)	1000-07=	2?	
	1750 ?	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
	1750 ?	....	?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
A	**1750** ?	....	?	**Haleakala** (Hawaiian Is)	1302-06-		8/-
T	**1750** t	....	?	**Arenal** (Costa Rica)	1405-033	0?	
	1750	....	?	**Sabancaya** (Perú)	1504-006		
	1750 j	....	?	**Antuco** (Chile-C)	1507-08=	2	
	1750 ?	....	?	**Copahue** (Chile-C)	1507-09=	2	
C	**1750** v	....	?	**Huanquihue Group** (Argentina)	1507-123		
I	**1750** j	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
T	**1750** v	....	?	**Melbourne** (Antarctica)	1900-015		
	1750	0902a	2*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
	1751	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1751	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1751	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1751	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2*	
	1751	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1751*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1751	06	15*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1751	*1025*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1751	11	31*p*	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
	1751	1214	?	**Villarrica** (Chile-C)	1507-12=	1?	
	1751	1218	195*w*	**Llaima** (Chile-C)	1507-11=	2	
	1751	1231y	?	**Tromen** (Argentina)	1507-072	3?	
	1751	1231	?	**Callaqui** (Chile-C)	1507-091	2	
	1752	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1752	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1752	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1752	*Cont*	....	*Llaima (Chile-C)*	1507-11=	*2*	
	1752	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1752	....	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1752	....	?	**Merapi** (Java)	0603-25=	2	
	1752	0130	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2?	
	1752	0131	1*a*	**Antuco** (Chile-C)	1507-08=	3?	
	1752	0501	?	**Kelut** (Java)	0603-28=	2	
	1752	09	31*p*	**Asama** (Honshu-Japan)	0803-11=	2?	
	1753	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1753	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1753	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1753	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1753	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1753	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
?	*1753*	....	*365y*	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
	1753	1015q	?	**Grímsvötn [NE of Palsfjall]** (Icelan	1703-01=	2?	
	1754	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1754	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
?	*1754*	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
	1754	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1754	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1754	....	730*y*	**Galeras** (Colombia)	1501-08=	2	
	1754	*0515*	*203a*	*Taal (Luzon-Philippines)*	0703-07=	*3*	*-/8*
	1754	0807	12*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1754	1128	....	**Taal** (Luzon-Philippines)	0703-07=	4	-/8
	1754	*1202*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1755	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1755	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1755	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1755	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1755	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
D	**1755** ?	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
	1755	....	?	**Merapi** (Java)	0603-25=	2	
	1755	*0302*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1755	0309	6*a*	**Etna** (Italy)	0101-06=	3	6/-
	1755	0705	32*a*	**Asama** (Honshu-Japan)	0803-11=	2	
@	**1755**	0918	?	**Kolbeinsey Ridge** (Iceland-N of)	1705-01=		
	1755	1017	119*a*	**Katla** (Iceland-S)	1702-03=	**5**?	**-/9**
	1756	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1756	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1756	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1756	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1756	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1756	*Cont*	....	*Katla (Iceland-S)*	1702-03=	*2*	*-/9*
	1756	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1756*	....	?	*Kelut (Java)*	0603-28=		
	1756	0909	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
	1757	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1757	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1757	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1757	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1757	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
?	*1757*	....	?	*Unnamed (Indian O.-E)*	0305-01=	*0*	
?	*1757*	....	?	*Tungurahua (Ecuador)*	1502-08=	*2*	
	1757	0709	1*a*	**San Jorge** (Azores)	1802-03=	0	
	1758	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1758	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1758	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1758	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1758	*10*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1758	1103?	271*a*?	**Etna** (Italy)	0101-06=	2	
	1759	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1759	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1759	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1759	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1759	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=		
?	*1759*	....	?	*Quilotoa (Ecuador)*	1502-06=	*2*	
A	**1759** u	....	?	**Santiago** (Galapagos)	1503-09=		
?	*1759* ?	....	?	*Copahue (Chile-C)*	1507-09=		
	1759 ?	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	2	
	1759	*0414*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1759	*0419*	....	*Etna (Italy)*	0101-06=	*2*	
	1759	0819	?	**Oshima-Oshima** (Hokkaido-Japan)	0805-01=	2	-/6
	1759	0929	>3yr	**Michoacán [Jorullo]** (Mexico)	1401-06=	4	8/**9**
	1759	12	?	**Llaima** (Chile-C)	1507-11=	2	
	1759	12	16*m*	**Villarrica** (Chile-C)	1507-12=	1	
	1760	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1760	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1760	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1760	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1760	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1760	....	?	**Savai'i** (Samoa-SW Pacific)	0404-04=	2	**9**/-
?	*1760* ?	....	?	*Chinkotan (Kuril Is)*	0900-26=	*2*	
?	*1760*	....	?	*Gareloi (Aleutian Is)*	1101-07-		
?	*1760*	....	?	*Great Sitkin (Aleutian Is)*	1101-12-		
	1760	....	?	**Kasatochi** (Aleutian Is)	1101-13-	0	
?	*1760*	....	*15a*	*Pacaya (Guatemala)*	1402-11=		
	1760	....	?	**Chacana** (Ecuador)	1502-022	0	**9**/-
	1760	0922	220*a*>	**Makian** (Halmahera-Indonesia)	0608-07=	4?	-/8
	1760	1215	14*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1760	1223	....	**Vesuvius** (Italy)	0101-02=	3	6/-
	1761	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1761	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1761	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1761	*Cont*	....	*Makian (Halmahera-Indonesia)*	0608-07=	*4?*	*-/8*
	1761	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1761	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1761	*Cont*	....	*Fogo (Cape Verde Is)*	1804-01=	*1*	
	1761	....	?	**Gede** (Java)	0603-06=	2	
	1761	0417	11*a*?	**Terceira** (Azores)	1802-05=	2	
?	*1761*	*0503*	?	*Unnamed (Atlantic-C)*	1805-03=	*0*	
	1762	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1762	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1762	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1762	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1762	....	?	**Banda Api** (Banda Sea)	0605-09=	2	
	1762	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
@	*1762*	....	*>3yr*	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1762	....	?	**San Miguel** (El Salvador)	1403-10=	2	
	1762	04	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1762	1203	?	**Planchón-Peteroa** (Chile-C)	1507-04=	4	
	1763	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
@	*1763*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1763	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1763	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1763	....	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	*7/-*
?	*1763*	....	*>3yr*	*Tanaga (Aleutian Is)*	1101-08-		
?	*1763*	....	?	*Kanaga (Aleutian Is)*	1101-11-		
	1763	0206	32*a*?	**Etna** (Italy)	0101-06=	2	7/6
	1763	0618	84*a*	**Etna** (Italy)	0101-06=	3	8/7
	1763	0817	>3yr	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	5/8
	1764	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1764	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
?	*1764*	*Cont*	....	*Tanaga (Aleutian Is)*	1101-08-		
@	*1764*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1764	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1764	....	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*7/6*
	1764	....	548*m*?	**Etna** (Italy)	0101-06=	1	8/5
?	*1764*	....	?	*Chokai (Honshu-Japan)*	0803-22=	*2*	
	1764	....	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*4*	*8/9*
	1764	....	?	**Momotombo** (Nicaragua)	1404-09=	2	
	1765	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/6*
	1765	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1765	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*8/5*
	1765	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
?	*1765*	*Cont*	....	*Tanaga (Aleutian Is)*	1101-08-		
@	*1765*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1765	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1765	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1765	....	?	**Ragang** (Mindanao-Philippines)	0701-06=	2	
?	*1765*	....	?	*Komaga-take (Hokkaido-Japan)*	0805-02=	*2*	
	1765 e	....	?	**Prevo Peak** (Kuril Is)	0900-19=	3↑	
	1765 e	....	?	**Sarychev Peak** (Kuril Is)	0900-24=	2?	
	1765 e	....	?	**Raikoke** (Kuril Is)	0900-25=	2	
D	**1765** e	....	?	**Hood** (US-Oregon)	1202-01-		
?	*1765*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1765	....	?	**Telica** (Nicaragua)	1404-04=	2	
	1765	....	?	**Rincón de la Vieja** (Costa Rica)	1405-02=	2?	
	1765 m	....	?	**Osorno** (Chile-S)	1508-01=	1	
	1765	*01*	? *274p*?	*Aso (Kyushu-Japan)*	0802-11=	*2?*	
	1765	0419	545*m*	**Banda Api** (Banda Sea)	0605-09=	2	
	1765	0615	....	**Aso** (Kyushu-Japan)	0802-11=	3?	
	1765	1024	1*a*	**Almolonga [C. Quemado]** (Guat)	1402-04=	2	
	1766	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1766	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*2*	
	1766	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
?	*1766*	*Cont*	....	*Tanaga (Aleutian Is)*	1101-08-		
@	*1766*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1766	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1766	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
?	*1766*	....	?	*Dieng Volc Complex (Java)*	0603-20=		
	1766	....	?	**Qualibou** (W Indies)	1600-14=	1	
	1766	0210	309*m*	**Cotopaxi** (Ecuador)	1502-05=	3	
	1766	03	72*n*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1766	*0328*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/6*
	1766	0405	770*m*	**Hekla [Bjallagigar]** (Iceland-S)	1702-07=	4	9/8
	1766	0427	193*a*	**Etna** (Italy)	0101-06=	2	8/6
	1766	07	?	**Bardarbunga** (Iceland-NE)	1703-03=	2	
	1766	0720	5*a*	**Mayon** (Luzon-Philippines)	0703-03=	3	
	1767	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1767	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
?	*1767*	*Cont*	....	*Tanaga (Aleutian Is)*	1101-08-		
@	*1767*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1767	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1767	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1767	*Cont*	....	*Hekla [Bjallagigar] (Iceland-S)*	1702-07=	*2*	*9/8*
?	*1767*	....	?	*Tengger Caldera [Bromo] (Java)*	0603-31=		
?	*1767*	*n*	?	*Bandai (Honshu-Japan)*	0803-16=		
	1767	....	731*y*	**Ekarma** (Kuril Is)	0900-27=	2	
	1767	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1767	0502	?	**Etna** (Italy)	0101-06=		
	1767	0910	?	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	1767	1019	....	**Vesuvius** (Italy)	0101-02=	3	7/6
	1768	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
	1768	*Cont*	....	*Ekarma (Kuril Is)*	0900-27=	*2*	
?	*1768*	*Cont*	....	*Tanaga (Aleutian Is)*	1101-08-		
@	*1768*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
	1768	*Cont*	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	*2*	*8/9*
	1768	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1768	*Cont*	....	*Hekla [Bjallagigar] (Iceland-S)*	1702-07=	*2*	*9/8*
	1768	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1768	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	0	
	1768	....	*365y*	*Makushin (Aleutian Is)*	1101-31-	*2*	
?	*1768*	....	?	*Iliamna (Alaska-SW)*	1103-02-		
@	**1768**	....	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
	1768	0404	?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
	1768	08	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
	1768	0819	?	**Merapi** (Java)	0603-25=	2?	
	1768	*10*	....	*Stromboli (Italy)*	0101-04=	*2*	
	1769	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1769	*Cont*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*5/8*
	1769	*Cont*	....	*Ekarma (Kuril Is)*	0900-27=	*2*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
? 1769	Cont	....	*Tanaga (Aleutian Is)*	1101-08-		
@ 1769	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1769	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1769	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1769	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
? 1769	....	?	*Iwaki (Honshu-Japan)*	0803-27=	2	
1769 >	....	?	**Ushishur** (Kuril Is)	0900-21=		7/-
1769	....	....	**Makushin** (Aleutian Is)	1101-31-	3↑	
1769	....	?	**Colima** (México)	1401-04=	2?	
1769	....	?	**San Miguel** (El Salvador)	1403-10=	2	
≥ 1769	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
1769	0123	?	**Usu** (Hokkaido-Japan)	0805-03=	4	7/8
1769	0215q	243*t*	**Tolbachik** (Kamchatka)	1000-24=	2	
1769	04 >	?	**Fogo** (Cape Verde Is)	1804-01=		
≥ 1769	0806	?	**Asama** (Honshu-Japan)	0803-11=		
? 1770	Cont	....	*Tanaga (Aleutian Is)*	1101-08-		
@ 1770	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1770	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1770	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1770	....	....	*Stromboli (Italy)*	0101-04=	2?	
C 1770 t	....	?	**Olkaria** (Africa-E)	0202-09=		
1770	....	?	**Marapi** (Sumatra)	0601-14=	2	
? 1770	....	?	*Amukta (Aleutian Is)*	1101-19-		
1770	0215	>3yr	*Vesuvius (Italy)*	0101-02=	2	7/6
1770	0223	?	**Izalco** (El Salvador)	1403-03=	2	
1770	0310	1	**Colima** (México)	1401-04=	3	
1770	05	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
? 1770	0528a	?	*Etna (Italy)*	0101-06=		
1770	0706	156*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3	
? 1770	0916	?	*Fuji (Honshu-Japan)*	0803-03=		
1771	Cont	....	*Stromboli (Italy)*	0101-04=	1	
@ 1771	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1771	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1771	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1771	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=		
1771	....	365*y*	**Kirishima** (Kyushu-Japan)	0802-09=	2	-/6
1771	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
1771	....	?	**Colima** (México)	1401-04=	3	
1771	0110	?	**Kelut** (Java)	0603-28=	2	
1771	0217	87*m*	**Vulcano** (Italy)	0101-05=	3	
1771	0501	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1771	0828	407*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3	
1772	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1772	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1772	Cont	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	3	
1772	Cont	....	*Kirishima (Kyushu-Japan)*	0802-09=	2	-/6
@ 1772	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1772	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1772	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1772	....	>3yr	**Aso** (Kyushu-Japan)	0802-11=	2	
1772	....	?	**Avachinsky** (Kamchatka)	1000-10=	2	
1772	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
? 1772	....	?	*Semisopochnoi (Aleutian Is)*	1101-06-		
1772 ?	....	?	**Izalco** (El Salvador)	1403-03=	2	
1772	02	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1772	0316	9*a?*	**Masaya** (Nicaragua)	1404-10=	2	6/-
1772	0811	1*a*	**Cereme** (Java)	0603-17=	2	
1772	0811	1*a*	**Slamet** (Java)	0603-18=	2	
1772	0812	<1	**Papandayan** (Java)	0603-10=	3	
1772	1118	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1773	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1773	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1773	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
@ 1773	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1773	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1773	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1773	....	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	3	-/7
? 1773	....	?	*Fuego (Guatemala)*	1402-09=	2	
1773	....	?	**Chacana** (Ecuador)	1502-022	0	8/-
1773	0202	5*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1773	0204	127*m?*	*Tungurahua (Ecuador)*	1502-08=	2	8/-
1773	0206	?	**Banda Api** (Banda Sea)	0605-09=	2	
1773	0423	....	**Tungurahua** (Ecuador)	1502-08=	3	8/-
1773	10	?	**Didicas** (Luzon-N of)	0704-02=	1?	
1773	10	?	**Unnamed** (Luzon-N of)	0704-05=	0	
1773	1021	92*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1774	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1774	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1774	Cont	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	2	
1774	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
@ 1774	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1774	Cont	....	*Michoacán [Jorullo] (Mexico)*	1401-06=	2	8/9
1774	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1774	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	7/-
1774	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1774 <	....	>3yr	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1774	....	?	**Carlisle** (Aleutian Is)	1101-23-		
1774	02	?	**Grimsvötn** (Iceland-NE)	1703-01=	2	
1774	06	?	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
1775	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1775	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1775	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1775	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
@ 1775	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1775	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
? 1775	....	?	*Vulcano (Italy)*	0101-05=		
A 1775 q	....	?	**Tullu Moje** (Ethiopia)	0201-25-		
1775	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? 1775	....	?	*Tengger Caldera [Bromo] (Java)*	0603-31=		
1775	....	?	**Banda Api** (Banda Sea)	0605-09=	2	
1775 q	....	?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	3	
? 1775 *j*	....	?	*Asuncion (Mariana Is-C Pacific)*	0804-15=	2	
? 1775	....	>3yr	*Shishaldin (Aleutian Is)*	1101-36-		
1775 ?	....	?	**Irazú** (Costa Rica)	1405-06=	2?	
? 1775	....	?	*Villarrica (Chile-C)*	1507-12=	2?	
1775	0104	?	**Cereme** (Java)	0603-17=	2	
1775	0701	22*a*>	**Pacaya** (Guatemala)	1402-11=	3	7/7
1775	0820	78*a*	*Gamalama (Halmahera-Indonesia)*	0608-06=	2	
1775	0906	....	**Gamalama** (Halmahera-Indonesia)	0608-06=	3	
1776	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1776	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1776	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
? 1776	Cont	....	*Shishaldin (Aleutian Is)*	1101-36-		
@ 1776	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1776	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1776	....	?	**Etna** (Italy)	0101-06=		
1776	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	6/-
? 1776	....	?	*Dieng Volc Complex (Java)*	0603-20=		
1776	....	?	**Kelut** (Java)	0603-28=	2	
1776	....	?	**Wudalianchi** (China-E)	1005-03-	2?	
1776	....	?	**Little Sitkin** (Aleutian Is)	1101-05-	1?	
1776	0103	?	**Tungurahua** (Ecuador)	1502-08=	2	
1776	0328	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1776	0905	?	**Asama** (Honshu-Japan)	0803-11=	2	
1776	10	?	**Zhupanovsky** (Kamchatka)	1000-12=	2	
1776	1023	?	**Opala** (Kamchatka)	1000-08=	2?	
1777	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1777	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1777	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1777	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
? 1777	Cont	....	*Shishaldin (Aleutian Is)*	1101-36-		
@ 1777	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1777	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1777	....	?	**Guntur** (Java)	0603-13=	2?	
1777	....	?	**Asama** (Honshu-Japan)	0803-11=	2	
? 1777	....	?	*Tungurahua (Ecuador)*	1502-08=	2	
1777	....	730*y*	**Villarrica** (Chile-C)	1507-12=	1	
1777	0831	670*w*	**Oshima** (Izu Is-Japan)	0804-01=	3	8/8
1778	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/6
1778	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1778	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
1778	Cont	....	*Oshima (Izu Is-Japan)*	0804-01=	2	8/8
? 1778	Cont	....	*Shishaldin (Aleutian Is)*	1101-36-		
@ 1778	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1778	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1778	Cont	....	*Villarrica (Chile-C)*	1507-12=	1	
1778	....	?	**Banda Api** (Banda Sea)	0605-09=	2	
1778	....	?	**Raikoke** (Kuril Is)	0900-25=	4↑	
1778	....	365*y*	**Iliamna** (Alaska-SW)	1103-02-		
1778	0301	....	*Stromboli (Italy)*	0101-04=	2	
1778	1231*y*	?	**Medvezhia** (Kuril Is)	0900-10=	2	
1779	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1779	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1779	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
@ 1779	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1779	Cont	....	*Iliamna (Alaska-SW)*	1103-02-		
1779	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1779	Cont	....	*Villarrica (Chile-C)*	1507-12=	1	
1779	0104	....	*Oshima (Izu Is-Japan)*	0804-01=	3	8/8
1779	0615	1*a*	**Avachinsky** (Kamchatka)	1000-10=	3	-/7
1779	0808	....	**Vesuvius** (Italy)	0101-02=	3?	7/6
? 1779	09 ?	?	*Asama (Honshu-Japan)*	0803-11=		
1779	1108	554*m*	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	9/8
1780	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1780	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1780	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
@ 1780	Cont	....	*Pavlof (Alaska Peninsula)*	1102-03-		-/8
1780	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1780	....	?	**Vulcano** (Italy)	0101-05=	2	
? 1780 <	....	?	*Fonualei (Tonga-SW Pacific)*	0403-10=		
1780	....	?	**Salak** (Java)	0603-05=	2	
1780	....	?	**Guntur** (Java)	0603-13=	2	

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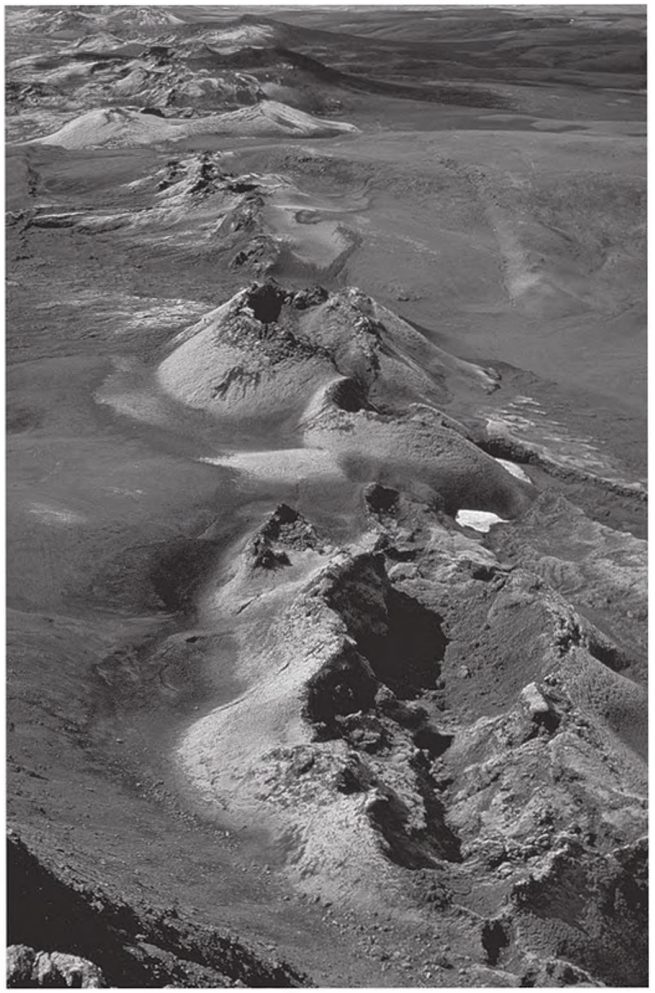
START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1780	....	?	**Kita-Iwo-jima** (Volcano Is-Japan)	0804-11=	0	
1780 u	....	?	**Akan** (Hokkaido-Japan)	0805-07=	1	
1780 j	....	?	**Kolokol Group** (Kuril Is)	0900-12=	2?	
@ **1780**	....	?	**Yucamane** (Perú)	1504-05-	2	
1780	....	?	**Villarrica** (Chile-C)	1507-12=	1	
1780	0420?	86*m?*	**Etna** (Italy)	0101-06=	2	7/4
1780	*0518*	....	*Etna (Italy)*	0101-06=	*1*	*7/4*
1780	*0727*	*>3yr*	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	*6/7*
1780	*09*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2?*	***9/8***
1780	1126	?	**Colima** (México)	1401-04=	2	
1781	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1781	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1781	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	*6/7*
@ *1781*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
1781	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1781*	....	*?*	*Falcon Island (Tonga-SW Pacific)*	0403-05=	*0*	
1781 <	....	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2?	
? *1781*	....	*?*	*Gamalama (Halmahera-Indonesia)*	0608-06=		
1781	....	>3yr	**Aso** (Kyushu-Japan)	0802-11=	1	
? *1781*	....	*?*	*Tungurahua (Ecuador)*	1502-08=	*2*	
1781	03	55*m*	**Etna** (Italy)	0101-06=	2	
1781	*04*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	***9/8***
1782	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1782	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1782	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1782	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	*6/7*
@ *1782*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
1782	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1782	0118	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2?	
? *1782*	*0412*	*?*	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
1782	1201p	101*p*	**Iwaki** (Honshu-Japan)	0803-27=	2	



Kahn and Maurice Krafft

The noted Laki (Skaftár) fissure of Grímsvotn central volcano in Iceland produced the world's largest known historical lava flow during an eruption in 1783. The 15 km³ Laki lavas were erupted over a 7-month period from a 27-km-long fissure system. Extensive crop damage and livestock losses caused a severe famine that resulted in the decimation of 22% of the population of Iceland.

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1783	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1783	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
@ *1783*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
1783	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1783*	....	*?*	*Ararat (Turkey)*	0103-04-		
? *1783*	....	*?*	*Kunkoma (Honshu-Japan)*	0803-21=		
1783	....	1096*y*	**Oshima** (Izu Is-Japan)	0804-01=	2	
1783 ?	....	>3yr	**Kanaga** (Aleutian Is)	1101-11-		
1783	*0205*	....	*Stromboli (Italy)*	0101-04=	*2?*	
1783	0410	....	**Aoga-shima** (Izu Is-Japan)	0804-06=	3	6/7
1783	*05*	*? 741m?*	*Grimsvötn [Lakagigar] (Iceland)*	1703-01=	*2*	
1783	0501<	106*r*	**Reykjanes** (Iceland-SW)	1701-02=	3↑	
1783	*0509*	*88a*	*Asama (Honshu-Japan)*	0803-11=	*2*	*8/8*
1783	0608	....	**Grimsvötn [Lakagigar]** (Iceland)	1703-01=	4+	**10**/8
1783	07 ?	?	**Izalco** (El Salvador)	1403-03=	0	
1783	0803	....	**Asama** (Honshu-Japan)	0803-11=	4	8/8
1783	*0818*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1783	0903	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	3	
? *1783*	*1203*	*?*	*Iwaki (Honshu-Japan)*	0803-27=	*2?*	
1784	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1784	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1784	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1784	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1784	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
1784	*Cont*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*2*	*6/7*
1784	*Cont*	....	*Kanaga (Aleutian Is)*	1101-11-		
@ *1784*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
1784	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1784	*Cont*	....	*Grimsvötn [Lakagigar] (Iceland)*	1703-01=	*2*	***10/8***
1784	....	365*y*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? *1784*	....	*?*	*Great Sitkin (Aleutian Is)*	1101-12-		
? *1784*	....	*?*	*Vsevidof (Aleutian Is)*	1101-27-		
1784 g	....	?	**Hualalai** (Hawaiian Is)	1302-04-	0	8/-
1784	....	?	**Ubinas** (Perú)	1504-02=	2	
? *1784*	*0208*	*?*	*Komaga-take (Hokkaido-Japan)*	0805-02=	*2*	
1784	03 <	?	**Soufrière St. Vincent** (W Indies)	1600-15=	0	
? *1784*	*07*	*?*	*Wrangell (Alaska-E)*	1105-02-	*2?*	
1784	07	?	**Sabancaya** (Perú)	1504-006		
1784	0709	?	**Misti, El** (Perú)	1504-01=	2	
1785	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1785	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*2*	
1785	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1785	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1785	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
1785	*Cont*	....	*Kanaga (Aleutian Is)*	1101-11-		
@ *1785*	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-		*-/8*
1785	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1785	*Cont*	....	*Grimsvötn [Lakagigar] (Iceland)*	1703-01=	*2*	
1785	....	?	**Kelut** (Java)	0603-28=	2	
1785 j	....	?	**Kueishantao** (Taiwan-E of)	0801-031	0	
1785	0124	32*a*	**Fogo** (Cape Verde Is)	1804-01=	2	6/-
1785	02	394*p*	**Cayambe** (Ecuador)	1502-006	2?	
1785	*0418*	....	*Aoga-shima (Izu Is-Japan)*	0804-06=	*3*	*6/7*
1785	*0701*	....	*Vesuvius (Italy)*	0101-02=	*1*	*7/8*
1785	11	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1785	1120	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
1785	1231y	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1786	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1786	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1786	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1786	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1786	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
1786	*Cont*	....	*Kanaga (Aleutian Is)*	1101-11-		
1786	*Cont*	....	*Cayambe (Ecuador)*	1502-006	*2?*	
1786	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1786*	....	*15a*	*Vulcano (Italy)*	0101-05=	*3*	
1786	....	120*p*	**Dieng Volc Complex** (Java)	0603-20=	2	
? *1786*	....	*?*	*Oshima-Oshima (Hokkaido-Japan)*	0805-01=	*2?*	
1786	....	>3yr	**Seguam** (Aleutian Is)	1101-18-		
@ **1786**	....	....	**Pavlof** (Alaska Peninsula)	1102-03-	4?	-/8
? *1786*	....	*?*	*Iliamna (Alaska-SW)*	1103-02-		
1786	....	?	**Shasta** (US-California)	1203-01-	3	
1786	06	>3yr	**Amukta** (Aleutian Is)	1101-19-	3↑	-/8
1786	0605?	60*a>*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1786	0717	?	**Merapi** (Java)	0603-25=	1?	
1787	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1787	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1787	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1787	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1787	*Cont*	....	*Kanaga (Aleutian Is)*	1101-11-		
1787	*Cont*	....	*Seguam (Aleutian Is)*	1101-18-		
1787	*Cont*	....	*Amukta (Aleutian Is)*	1101-19-	*2*	*-/8*
1787	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1787 <	....	?	**Bandai** (Honshu-Japan)	0803-16=	2?	
1787 <	....	?	**Osore-yama** (Honshu-Japan)	0803-29=		
1787	....	?	**Yucamane** (Perú)	1504-05-		
1787	....	?	**Villarrica** (Chile-C)	1507-12=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1787	0512	?	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
1787	*0604d*	*68e*	*Etna (Italy)*	0101-06=	*2*	*6/-*
1787	0614	48*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
1787	0718	....	**Etna** (Italy)	0101-06=	4	6/-
1787	0728	74*a*	**Misti, El** (Peru)	1504-01=	1?	
1787	09	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2?	
1787	0921	*2a*	**San Miguel** (El Salvador)	1403-10=	2	
1788	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1788	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1788	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1788	*Cont*	....	*Seguam (Aleutian Is)*	1101-18-		
1788	*Cont*	....	*Amukta (Aleutian Is)*	1101-19-	*2*	*-/8*
1788	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1788	....	....	*Stromboli (Italy)*	0101-04=	*2*	
1788 <	....	?	**Mahawu** (Sulawesi-Indonesia)	0606-11=		
1788	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	
? *1788*	....	?	*Maipo (Chile-C)*	1507-021		
1788	02	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1788	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1789	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1789	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1789	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1789	*Cont*	....	*Seguam (Aleutian Is)*	1101-18-		
1789	*Cont*	....	*Amukta (Aleutian Is)*	1101-19-	*2*	*-/8*
1789	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1789	....	?	**Oshima** (Izu Is-Japan)	0804-01=	2	
? *1789*	....	?	*Avachinsky (Kamchatka)*	1000-10=		
1789	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	
1789	0324	?	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
1789	06	31*p*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1789	1201	76*m*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1789	1231y	?	**Mahawu** (Sulawesi-Indonesia)	0606-11=	2	
1790	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1790	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1790	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
1790	*Cont*	....	*Seguam (Aleutian Is)*	1101-18-		
1790	*Cont*	....	*Amukta (Aleutian Is)*	1101-19-	*2*	*-/8*
1790	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1790	....	?	**Late** (Tonga-SW Pacific)	0403-09=	2	
1790	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
1790 p	....	?	**Chirpoi** (Kuril Is)	0900-15=		
1790	....	*>3yr*	*Alaid (Kuril Is)*	0900-39=	*2*	
1790	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	
? *1790*	....	?	*Semisopochnoi (Aleutian Is)*	1101-06-		
1790	....	?	**Gareloi** (Aleutian Is)	1101-07-	2	
? *1790*	....	?	*Akutan (Aleutian Is)*	1101-32-		
? *1790*	....	?	*Shishaldin (Aleutian Is)*	1101-36-		
1790	....	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
T **1790** u	....	?	**Mono Lake Volc Field** (US-California	1203-11-		
1790 ?	....	?	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
1790	01 ?	?	**Oshima-Oshima** (Hokkaido-Japan)	0805-01=	2	
1790	01	>3yr	**Villarrica** (Chile-C)	1507-12=	1	
1790	0309	657*e*	**Osorno** (Chile-S)	1508-01=	2	
1790	*05*	....	*Vesuvius (Italy)*	0101-02=	*1*	*7/8*
? *1790*	*0530*	?	*Vsevidof (Aleutian Is)*	1101-27-		
? *1790*	*0607*	?	*Makushin (Aleutian Is)*	1101-31-		
1790	0729	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
1790	1009	?	**Iwaki** (Honshu-Japan)	0803-27=	2	
1790	11 ?	*2a?*	**Kilauea** (Hawaiian Is)	1302-01-	4	-/8
1791	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1791	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1791	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1791	*Cont*	....	*Alaid (Kuril Is)*	0900-39=	*2*	
1791	*Cont*	....	*Amukta (Aleutian Is)*	1101-19-	*2*	*-/8*
1791	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1791	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1791	*Cont*	....	*Osorno (Chile-S)*	1508-01=	*2*	
1791	....	?	**Fonualei** (Tonga-SW Pacific)	0403-10=	2	
1791 <	....	?	**Merapi** (Java)	0603-25=	2	
1791	....	?	**Gareloi** (Aleutian Is)	1101-07-	2	
1791	0124	?	**Telica** (Nicaragua)	1404-04=		
1791	02	213*p*	**Etna** (Italy)	0101-06=	2	
1791	04	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1791	0522	?	**Rabaul** (New Britain-SW Pac)	0502-14=	2?	
1791	*0605d*	*52d?*	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	*7/-*
? *1791*	*0607*	?	*Tanaga (Aleutian Is)*	1101-08-		
1791	0717	....	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
1791	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1791	0911	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
1792	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1792	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1792	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1792	*Cont*	....	*Alaid (Kuril Is)*	0900-39=	*2*	
1792	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1792	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1792	....	?	**Tofua** (Tonga-SW Pacific)	0403-06=	0	
? *1792*	....	?	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2?*	
1792	....	?	**Oshima** (Izu Is-Japan)	0804-01=	2	
? *1792*	....	?	*Semisopochnoi (Aleutian Is)*	1101-06-		
1792	....	?	**Gareloi** (Aleutian Is)	1101-07-	2	
1792 ?	....	?	**Calbuco** (Chile-S)	1508-02=		
1792	0122	84*m?*	**Pelée** (W Indies)	1600-12=	1	
1792	0210	163*a*	**Unzen** (Kyushu-Japan)	0802-10=	2	7/-
? *1792*	*0214*	?	*Makushin (Aleutian Is)*	1101-31-		
1792	03	69*m*	**Etna** (Italy)	0101-06=	2	6/-
1792	0525	367*e*	**Etna** (Italy)	0101-06=	3	7/5
1792	0526e	?	**Great Sitkin** (Aleutian Is)	1101-12-		
? *1792*	*06*	?	*Baker (US-Washington)*	1201-01=		
1792	1219?	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1793	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/8*
1793	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1793	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1793	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1793	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1793 ?	....	*>3yr*	*Etna (Italy)*	0101-06=	*2*	
1793	....	?	**St. Paul** (Indian O.-S)	0304-002	2	
1793 f	....	?	**Raung** (Java)	0603-34=	2	
1793	....	?	**Ebeko** (Kuril Is)	0900-38=	2	-/5
1793	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	
? *1793*	....	?	*Iliamna (Alaska-SW)*	1103-02-		
1793	02	....	**Alaid** (Kuril Is)	0900-39=	4↑	
1793	0302	289*m*	**San Martin** (Mexico)	1401-11=	4	7/8
1793	0329	170*m*	**Izalco** (El Salvador)	1403-03=	2	
? *1793*	*0402*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
? *1793*	*05*	*31p*	*Hierro (Canary Is)*	1803-02-	*0?*	
1793	0629	?	**Ritter Island** (New Guinea-NE of)	0501-07=	2	
1794	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1794	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1794	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1794	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1794	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1794	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
1794	....	?	**Bardarbunga** (Iceland-NE)	1703-03=		
1794	01	16*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
? *1794*	*0403*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
1794	05	765*w*	**San Martin** (Mexico)	1401-11=	2?	
1794	0616	....	**Vesuvius** (Italy)	0101-02=	3?	7/8
? *1794*	*0715q*	?	*Grimsvötn (Iceland-NE)*	1703-01=		
1794	08	?	**Colima** (Mexico)	1401-04=	2	
1794	0922	84*m>*	**Zao** (Honshu-Japan)	0803-19=	2	
1795	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1795	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1795	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1795	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
1795	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1795	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1795	....	*7a>*	**Fournaise, Piton de la** (Indian O.)	0303-02=		
1795	....	?	**Westdahl [Pogromni ?]** (Aleutian Is)	1101-34-	4	-/9
1795 <	....	?	**Fisher** (Aleutian Is)	1101-35-		
? *1795*	....	?	*Isanotski (Aleutian Is)*	1101-37-	*3↑*	
D **1795** e	....	>3yr	**Hood** (US-Oregon)	1202-01-		
1795	03	183*p*	**Colima** (Mexico)	1401-04=	2	
1795	1220	1*a>*	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
1796	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1796	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1796	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
D *1796*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
1796	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
1796	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1796	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1796	....	?	**Ijen** (Java)	0603-35=	2	
1796	....	?	**Westdahl [Pogromni ?]** (Aleutian Is)	1101-34-	0	
1796	....	?	**Amak** (Aleutian Is)	1101-39-		
1796	*01*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*1*	*6/7*
1796	0324	?	**Zao** (Honshu-Japan)	0803-19=	2	
1796	05	>3yr	**Bogoslof** (Aleutian Is)	1101-30-	3?	7/8
1796	10	31*p*	**Iwo-Tori-shima** (Ryukyu Is)	0802-02=	2	
1796	11	>3yr	**Galeras** (Colombia)	1501-08=	2	
1797	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1797	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1797	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1797	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D *1797*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
1797	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1797	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1797	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1797 ?	....	*7a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1797	....	<1	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	1?	
? *1797*	....	?	*Hunter Island (SW Pacific)*	0508-02=		
1797	....	?	**Merbabu** (Java)	0603-24=	2	
1797	....	?	**Merapi** (Java)	0603-25=	1	
1797	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
? *1797*	....	*>3yr*	*San Martin (Mexico)*	1401-11=	*2?*	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
@	**1797**	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
	1797 ?	....	?	**Askja** (Iceland-NE)	1703-06=	0	
	1797	*01*	....	*Etna (Italy)*	0101-06=	*2*	
	1797	01	?	**Reventador** (Ecuador)	1502-01=	3	
?	*1797*	*0204*	?	*Quilotoa (Ecuador)*	1502-06=		
	1797	08	?	**Wolf** (Galápagos)	1503-02=		
	1797	0929	209*a?*	**Soufrière Guadeloupe** (W Indies)	1600-06=	2	
	1798	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1798	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1798	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1798	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1798	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1798*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
?	*1798*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1798	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1798	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1798	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	1798	*Cont*	....	*Soufrière Guadeloupe (W Indies)*	1600-06=	*2*	
?	*1798* ?	....	?	*San Miguel (El Salvador)*	1403-10=	*2*	
	1798	04	?	**Izalco** (El Salvador)	1403-03=	2	
	1798	0609	97*a*	**Tenerife** (Canary Is)	1803-03-	3	*7/-*
?	*1798*	*1113*	*33m*	*Unzen (Kyushu-Japan)*	0802-10=		
	1799	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1799	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1799	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1799	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1799	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1799*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
?	*1799*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1799	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1799	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1799	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	1799	....	?	**Lamongan** (Java)	0603-32=	2	
	1799	....	3*a*	**Fuego** (Guatemala)	1402-09=	3	*-/7*
	1799	0327	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
	1799	0602	26*a*	**Fogo** (Cape Verde Is)	1804-01=	2	

1800

	1800	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1800	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1800	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1800	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1800*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
?	*1800*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1800	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1800	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1800	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	1800 ?	....	3*a*	**Kieyo** (Africa-E)	0202-17=	2	
T	**1800** ?	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
T	**1800** ?	....	?	**Pago** (New Britain-SW Pac)	0502-08=	P	
	1800	....	?	**Guntur** (Java)	0603-13=		
	1800 ?	....	?	**Azuma** (Honshu-Japan)	0803-18=		
C	**1800** t	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=		
T	**1800** t	....	?	**Rausu** (Hokkaido-Japan)	0805-082	3	
?	*1800* j	....	?	*Shiveluch (Kamchatka)*	1000-27=	*3*	*-/7*
C	**1800** ?	....	?	**Iskut-Unuk River Cones** (Canada)	1200-09-		
	1800	....	365*y*	**Hualalai** (Hawaiian Is)	1302-04-	0	*7/-*
?	*1800* t	....	?	*Concepción (Nicaragua)*	1404-12=	*2*	
T	**1800** x	....	?	**Ticsani** (Peru)	1504-031		
	1800 <	....	?	**Deception Island** (Antarctica)	1900-03=		
D	**1800**	0115 u	?	**St. Helens** (US-Washington)	1201-05-	5	*-/9*
	1800	0304	....	**Etna** (Italy)	0101-06=	3?	
?	*1800*	*0511*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
	1800	0624	1*a*	**San Jorge** (Azores)	1802-03=	2	
	1800	0821	<1	**Wolf** (Galápagos)	1503-02=	2?	
	1800	1030	1*a*	**Mayon** (Luzon-Philippines)	0703-03=	2	
	1800	1102	6*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	*7/-*
	1800	*12*	*>3yr*	*Chokai (Honshu-Japan)*	0803-22=	*1?*	*6/-*
	1801	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1801	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1801	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1801	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1801	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1801*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
	1801	*Cont*	....	*Hualalai (Hawaiian Is)*	1302-04-	*0*	*7/-*
?	*1801*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1801	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1801	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1801	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	1801	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	2	6/-
	1801	....	318*w*>	**Antisana** (Ecuador)	1502-03=	2	
	1801	0810	....	**Chokai** (Honshu-Japan)	0803-22=	2	6/-
	1801	1027	153*g*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1802	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1802	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1802	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1802	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*1?*	*6/-*
	1802	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1802*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
?	*1802*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1802	*Cont*	....	*Antisana (Ecuador)*	1502-03=	*2*	
	1802	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1802	....	?	**Makushin** (Aleutian Is)	1101-31-	3	
	1802	....	730*y*	**Popocatépetl** (México)	1401-09=	1	
	1802	....	365*y*	**Izalco** (El Salvador)	1403-03=	2	
@	**1802**	0330	108*m*	**Yucamane** (Perú)	1504-05-	3	
@	**1802**	04 ?	31*p?*	**Reventador** (Ecuador)	1502-01=	2	
	1802	1115	3*a*	**Etna** (Italy)	0101-06=	2	7/-
	1802	*12*	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	*2*	
	1803	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1803	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1803	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1803	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*1?*	*6/-*
	1803	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*0*	*7/8*
D	*1803*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
	1803	*Cont*	....	*Popocatépetl (México)*	1401-09=	*1*	
?	*1803*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1803	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1803	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1803	0101	>3yr	**Etna** (Italy)	0101-06=	2	
	1803	0104	1*a*	**Cotopaxi** (Ecuador)	1502-05=	3	
	1803	0403	12*a*	**Guntur** (Java)	0603-13=	2	
	1803	0704	?	**Asama** (Honshu-Japan)	0803-11=	2	
	1803	0926?	49*a?*	**Oshima** (Izu Is-Japan)	0804-01=	2	
	1803	11	77*a*>	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
	1803	1107	14*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1804	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1804	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1804	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1804	*Cont*	....	*Barren Island (Andaman Is-Indian O)*	0600-01=	*2*	
	1804	*Cont*	....	*Chokai (Honshu-Japan)*	0803-22=	*1?*	*6/-*
D	*1804*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
	1804	*Cont*	....	*Popocatépetl (México)*	1401-09=	*1*	
?	*1804*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1804	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1804 d	....	?	**Raung** (Java)	0603-34=	2	
	1804	....	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
	1804	....	>3yr	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	3	*-/7*
	1804	....	?	**Maly Semiachik** (Kamchatka)	1000-14=	3	
	1804	....	....	*Bogoslof (Aleutian Is)*	1101-30-	*2*	*7/8*
	1804	....	?	**Colima** (Mexico)	1401-04=	2	
	1804	05 ?	?	**Zao** (Honshu-Japan)	0803-19=	2	
	1804	*0812*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1804	09	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1804	0905	?	**Aso** (Kyushu-Japan)	0802-11=	2	
	1805	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1805	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1805	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
D	*1805*	*Cont*	....	*Hood (US-Oregon)*	1202-01-		
?	*1805*	*Cont*	....	*San Martin (Mexico)*	1401-11=	*2*	
	1805	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1805	....	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	
	1805	....	?	**Sarychev Peak** (Kuril Is)	0900-24=		
	1805	....	?	**Okmok** (Aleutian Is)	1101-29-		
	1805	....	?	**Pacaya** (Guatemala)	1402-11=	2	
	1805	....	730*y*	**Izalco** (El Salvador)	1403-03=	2	
	1805	*0311*	....	*Etna (Italy)*	0101-06=	*2*	
	1805	0314	?	**Ruiz, Nevado del** (Colombia)	1501-02=	2	
	1805	04	?	**Cereme** (Java)	0603-17=	2	
	1805	*0711*	....	*Etna (Italy)*	0101-06=	*2*	
	1805	*0812*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1806	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1806	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1806	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1806	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
	1806	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1806	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1806 ?	....	?	**Sundoro** (Java)	0603-21=	2	
	1806	....	*>3yr*	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1806	....	>3yr	**Colima** (Mexico)	1401-04=	2?	
?	*1806*	....	?	*San Salvador (El Salvador)*	1403-05=	*0*	
	1806	04	31*m*	**Villarrica** (Chile-C)	1507-12=	2	
	1806	05	?	**Lamongan** (Java)	0603-32=	2	
	1806 ?	05	?	**Antuco** (Chile-C)	1507-08=	2	
	1806	*0531*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1806	06 ?	123*p?*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1806	0712	?	**Zao** (Honshu-Japan)	0803-19=	2	
	1807	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1807	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1807	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1807	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
	1807	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1807	*Cont*	....	*Colima (México)*	1401-04=	*1*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1807	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1807	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1807 h	....	?	**Cameroon** (Africa-W)	0204-01=	3	
1807	....	?	**Marapi** (Sumatra)	0601-14=	2	
1807	....	?	**Merapi** (Java)	0603-25=	1?	
? *1807*	....	?	*Bardarbunga (Iceland-NE)*	1703-03=		
1807	*0112*	....	*Etna (Italy)*	0101-06=	*2*	
1807	0201p	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1807	0323	82*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? *1807*	*0331*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
1807	0901	5*a*	**Guntur** (Java)	0603-13=	2	
1808	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1808	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1808	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1808	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1808	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1808	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1808	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1808	....	?	**Karthala** (Indian O.-W)	0303-01=		
1808	....	?	**Agung** (Lesser Sunda Is)	0604-02=	2	
1808	....	?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1808 ?	....	?	**Bandai** (Honshu-Japan)	0803-16=	2	
1808 ?	....	?	**Akan** (Hokkaido-Japan)	0805-07=		
1808	02	59*p*	**Taal** (Luzon-Philippines)	0703-07=	2	
1808	0501	40*a*	**San Jorge** (Azores)	1802-03=	1	
1808	*07*	....	*Etna (Italy)*	0101-06=	*2*	
1808	1208	?	**Lamongan** (Java)	0603-32=	2	
1809	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1809	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1809	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1809	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1809	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1809	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1809	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
I **1809** h	....	?	***Unknown Source*** *(SP, 818 ppb sulfate)*	.....		
1809	0327	13*a*	**Etna** (Italy)	0101-06=	2	7/6
? *1809*	*0328*	*3a*	*Cosigüina (Nicaragua)*	1404-01=	*2?*	
1809	0509	?	**Guntur** (Java)	0603-13=	2	
1809	0612	200*a*	**Zao** (Honshu-Japan)	0803-19=	2	
1809	0717	22*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1810	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1810	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1810	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1810	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1810	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1810 j	....	?	**Yar, Jabal** (Arabia-W)	0301-08-	2	
? *1810* j	....	?	*Victory (New Guinea)*	0503-03=	*2?*	
1810	....	?	**Merapi** (Java)	0603-25=	1	
1810 j	....	?	**Putana** (Chile-N)	1505-09=		
1810	*0911*	....	*Vesuvius (Italy)*	0101-02=	*1*	*6/7*
1810	1120	8*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1810	*1226e*	....	*Etna (Italy)*	0101-06=	*2*	
1811	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1811	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1811	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1811	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1811	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1811	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1811*	....	?	*San Miguel (El Salvador)*	1403-10=	*2*	
1811	0127	1*a*	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	-/6
1811	0201	104*m*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1811	0201	7*a*	**Sete Cidades** (Azores)	1802-08=	2?	
1811	0605	?	**Kelut** (Java)	0603-28=	2	
1811	0611	?	**Chirpoi** (Kuril Is)	0900-15=	2	
1811	0614	8*a*	**Sete Cidades** (Azores)	1802-08=	3	
? *1811*	*1005*	*1a?*	*Mayon (Luzon-Philippines)*	0703-03=	*2*	
1811	1027	200*m?*	**Etna** (Italy)	0101-06=	2	7/6
1811	*1031*	....	*Etna (Italy)*	0101-06=	*2*	*7/6*
1812	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1812	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/6*
1812	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1812	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1812	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1812	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1812*	....	?	*Vulcano (Italy)*	0101-05=	*1?*	
1812	....	>3yr	**Merapi** (Java)	0603-25=	1	
1812	....	730*y?*	**Raung** (Java)	0603-34=	2	
1812	....	*>3yr*	*Tambora (Lesser Sunda Is)*	0604-04=	*2*	
? *1812*	....	?	*Berutarube (Kuril Is)*	0900-04=	*1*	
1812	....	?	**Atka [Kliuchef]** (Aleutian Is)	1101-16-	3?	
1812	....	?	**Augustine** (Alaska-SW)	1103-01-	3?	
1812	*0101*	....	*Vesuvius (Italy)*	0101-02=	*1*	*6/7*
1812	04	25*m*	**Soufrière Guadeloupe** (W Indies)	1600-06=	1	
1812	0427	43*a?*	**Soufrière St. Vincent** (W Indies)	1600-15=	4	-/8
1812	08	?	**Tiatia** (Kuril Is)	0900-03=	2	
1812	0805d	132*n*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1812	0806	2*a*	**Awu** (Sangihe Is-Indonesia)	0607-04=	4?	-/8
1812	09	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1812	0905d	?	**Atsonupuri** (Kuril Is)	0900-05=	1	
1812	0907	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1813	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1813	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1813	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1813	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1813	*Cont*	....	*Raung (Java)*	0603-34=	*2*	
1813	*Cont*	....	*Tambora (Lesser Sunda Is)*	0604-04=	*2*	
1813	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1813	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1813	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1813	....	365*y*	**Suwanose-jima** (Ryukyu Is)	0802-03=	4	
? *1813*	*0110*	?	*Adatara (Honshu-Japan)*	0803-17=	*1?*	
1813	02	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
@ **1813**	0606	1*a*	**Darwin** (Galápagos)	1503-03=	2?	
@ **1813**	0713	?	**Negra, Sierra** (Galápagos)	1503-05=	2?	
1813	0714<	?	**Fernandina** (Galápagos)	1503-01=	2	
1813	0926	61*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1813	*1029*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1814	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1814	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1814	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1814	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1814	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1814	*Cont*	....	*Raung (Java)*	0603-34=	*2*	
1814	*Cont*	....	*Tambora (Lesser Sunda Is)*	0604-04=	*2*	
1814	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*4*	
1814	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1814	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1814	....	?	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
1814	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1814	....	....	**Bogoslof** (Aleutian Is)	1101-30-	2	7/-
1814	....	?	**Ugashik-Peulik** (Alaska Peninsula)	1102-13-	3	
1814	0109	<1	**Soufrière St. Vincent** (W Indies)	1600-15=	1?	
1814	0201	14*a>*	**Mayon** (Luzon-Philippines)	0703-03=	4	-/8
1814	0309	?	**Raoul Island** (Kermadec Is)	0402-03=	3	-/7
1814	07	31*p*	**Fernandina** (Galápagos)	1503-01=	2	
1814	0910	33*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1814	1127	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1814	1231y	?	**Karthala** (Indian O.-W)	0303-01=		
1815	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1815	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1815	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1815	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1815	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1815	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1815	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1815	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1815	....	>3yr	**Villarrica** (Chile-C)	1507-12=	1	
1815	0121	6*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1815	0210	247*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1815	0228	?	**Asama** (Honshu-Japan)	0803-11=	3	
1815	0405	12*a>*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1815	0410	....	**Tambora** (Lesser Sunda Is)	0604-04=	7	-/11
1815	0815	1*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1815	0815	?	**Guntur** (Java)	0603-13=	2	
1815	1231y	?	**Raung** (Java)	0603-34=	2	
1816	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
1816	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1816	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1816	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1816	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1816	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1816	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1816	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1816	....	?	**Puracé** (Colombia)	1501-06=		
? *1816*	*0306*	?	*Etna (Italy)*	0101-06=	*0*	
1816	05	30*p?*	**Grimsvötn** (Iceland-NE)	1703-01=	2	
1816	0609	27*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1816	0921	?	**Guntur** (Java)	0603-13=	2	
1816	1011	65*m*	**Banda Api** (Banda Sea)	0605-09=	2	
? *1816*	*1208*	?	*Unnamed (Atlantic-C)*	1805-03=	*0*	
1816	1215	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1816	1231y	?	**Fogo** (Cape Verde Is)	1804-01=		
1817	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1817	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1817	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1817	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1817	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*-/7*
1817	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1817	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1817	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1817	....	?	**Lamongan** (Java)	0603-32=	2	
? *1817*	....	?	*Yunaska (Aleutian Is)*	1101-21-		
1817	....	?	**Vsevidof** (Aleutian Is)	1101-27-	3?	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1817	....	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1817	....	?	**Izalco** (El Salvador)	1403-03=	2	
@	**1817** <	....	?	**Fernandina** (Galápagos)	1503-01=	2	
@	**1817**	....	?	**Negra, Sierra** (Galápagos)	1503-05=		
	1817	01	89*p*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1817	*0115*	*34e?*	*Ijen (Java)*	0603-35=	*1?*	
	1817	0116	25*a?*	**Raung** (Java)	0603-34=	4?	-/8
	1817	0124	....	**Ijen** (Java)	0603-35=	2	
	1817	0301	>3yr	**Okmok** (Aleutian Is)	1101-29-	3	
	1817	*1222*	....	*Vesuvius (Italy)*	0101-02=	*1*	*6/7*
	1817	1231y	?	**Dempo** (Sumatra)	0601-23=	2	
	1818	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1818	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1818	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1818	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1818	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
	1818	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-	*2*	
	1818	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1818	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1818	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	1818	....	?	**Sundoro** (Java)	0603-21=	2	
?	*1818*	....	?	*Makushin (Aleutian Is)*	1101-31-		
	1818	0116	154*a*>	**Almolonga [C. Quemado]** (Guat)	1402-04=	2	
	1818	0215	<1?	**Colima** (Mexico)	1401-04=	4	
	1818	04	?	**Jan Mayen** (Atlantic-N-Jan Mayen)	1706-01=	3?	
	1818	1008	?	**Lamongan** (Java)	0603-32=	2	
	1818	1021	2	**Guntur** (Java)	0603-13=	2	
	1818	1108	?	**Semeru** (Java)	0603-30=	2	
	1819	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1819	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1819	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1819	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
	1819	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-	*2*	
	1819	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1819	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1819	....	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
	1819	....	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
?	*1819*	....	?	*Sempu (Sulawesi-Indonesia)*	0606-04=		
	1819	....	1096*y*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
?	*1819*	....	?	*Redoubt (Alaska-SW)*	1103-03-		
?	*1819*	....	?	*Wrangell (Alaska-E)*	1105-02-	*2?*	
	1819	....	?	**Colima** (Mexico)	1401-04=	1	
	1819	....	?	**Fernandina** (Galápagos)	1503-01=	2	
	1819	0527	70*a*	**Etna** (Italy)	0101-06=	2?	7/5
	1819	*0613*	....	*Etna (Italy)*	0101-06=	*2?*	*7/5*
	1819	0718	?	**San Miguel** (El Salvador)	1403-10=	2	
	1819	08	?	**Tambora** (Lesser Sunda Is)	0604-04=	2	
	1819	12	?	**Zavodovski** (Antarctica)	1900-13=	2	
	1819	1229	?	**Michael** (Antarctica)	1900-09=	2	
	1820	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1820	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1820	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
	1820	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1820	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-	*2*	
	1820	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1820	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1820 ?	....	?	**Fentale** (Ethiopia)	0201-19=	0	7/-
	1820	*j*	....	*Kone (Ethiopia)*	0201-20-	*1*	
	1820 ?	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=		
	1820	....	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
C	**1820** r	....	?	**Cabalian** (Philippines-C)	0702-05=		
T	**1820** v	....	?	**Kuttara** (Hokkaido-Japan)	0805-034	1	-/5
	1820	....	?	**Westdahl [Pogromni ?]** (Aleutian Is)	1101-34-	2	
	1820 ?	....	?	**Baker** (US-Washington)	1201-01=	2	
	1820 ?	....	?	**Kilauea** (Hawaiian Is)	1302-01-	2	
M	**1820** ?	....	?	**Southern EPR-Segment J** (Pacific)	1304-13-	0	
	1820	....	183*w*?	**Antuco** (Chile-C)	1507-08=	1	
	1820	*01*	....	*Vesuvius (Italy)*	0101-02=	*1*	*6/7*
	1820	01	30*p*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1820	0611	58*a*	**Banda Api** (Banda Sea)	0605-09=	2	
	1820	1125	1*a*>	**Fueguino** (Chile-S)	1508-09-	2?	
	1820	*12* ?	*>3yr*	*Etna (Italy)*	0101-06=	*1*	
	1821	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/7*
	1821	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1821	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
	1821	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1821	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
	1821	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1821	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1821	*Cont*	....	*Antuco (Chile-C)*	1507-08=	*1*	
	1821	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	0	
V	**1821** ?	....	?	**Oshima** (Izu Is-Japan)	0804-01=	3	-/7
?	*1821*	....	?	*Gorely (Kamchatka)*	1000-07=		
?	*1821*	....	?	*Tajumulco (Guatemala)*	1402-02=	*2*	
	1821	0127	94*a*	**Zao** (Honshu-Japan)	0803-19=	2	
	1821	*02*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1821	0227	42*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1821	0316	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
?	*1821*	*0316*	?	*Agung (Lesser Sunda Is)*	0604-02=	*2*	
	1821	0323	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
?	*1821*	*05*	?	*Irazú (Costa Rica)*	1405-06=	*2*	
	1821	*0501*	....	*Zao (Honshu-Japan)*	0803-19=	*2*	
	1821	0523	?	**Chokai** (Honshu-Japan)	0803-22=	2?	
?	*1821*	*0822*	?	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
	1821	1215e	21*e*	**Lamongan** (Java)	0603-32=	2	
	1821	1219	378*a*	**Eyjafjallajökull** (Iceland-S)	1702-02=	2	-/6
	1821	1231y	?	**Karthala** (Indian O.-W)	0303-01=		
	1822	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1822	*Cont*	....	*Lamongan (Java)*	0603-32=	*2*	
	1822	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	1822	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1822	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
?	*1822*	....	*365y*	*Vulcano (Italy)*	0101-05=	*2?*	
	1822	....	730*y*	**Oshima** (Izu Is-Japan)	0804-01=	2	
?	*1822*	....	?	*Maipo (Chile-C)*	1507-021		
	1822	....	?	**Tromen** (Argentina)	1507-072		
	1822	....	?	**Llaima** (Chile-C)	1507-11=	2	
	1822	0112	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	-/6
	1822	*0228*	....	*Eyjafjallajökull (Iceland-S)*	1702-02=	*1*	*-/6*
	1822	0312	187*m*	**Usu** (Hokkaido-Japan)	0805-03=	4	-/8
	1822	0501	?	**Zao** (Honshu-Japan)	0803-19=		
	1822	0507	?	**Irazú** (Costa Rica)	1405-06=	2	
	1822	*0621*	....	*Etna (Italy)*	0101-06=	*1?*	
	1822	0723	8*a*	**Marapi** (Sumatra)	0601-14=	2	
	1822	1008	54*p*	**Galunggung** (Java)	0603-14=	5	-/9
	1822	1022	....	**Vesuvius** (Italy)	0101-02=	3?	6/7
	1822	1022	....	**Stromboli** (Italy)	0101-04=	3	
	1822	11 ?	?	**Tolima, Nevado del** (Colombia)	1501-03=	2	
	1822	1119	>3yr	**San José** (Chile-C)	1507-02=	2	
	1822	1119	6*e*	**Villarrica** (Chile-C)	1507-12=	2	
	1822	1227	100*a*	**Merapi** (Java)	0603-25=	3?	8/7
	1822	1228	8*d*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1823	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
?	*1823*	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2?*	
	1823	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1823	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*8/7*
	1823	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
	1823	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
	1823	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
	1823	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1823	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
	1823	*Cont*	....	*Eyjafjallajökull (Iceland-S)*	1702-02=	*1*	*-/6*
?	*1823*	*e*	?	*Zheltovsky (Kamchatka)*	1000-04=		
	1823	....	?	**Irazú** (Costa Rica)	1405-06=	2?	
	1823	....	?	**Bristol Island** (Antarctica)	1900-08=	2	
?	*1823*	....	?	*Michael (Antarctica)*	1900-09=	*2?*	
	1823	....	?	**Candlemas Island** (Antarctica)	1900-10=	2	
?	*1823*	....	?	*Zavodovski (Antarctica)*	1900-13=	*1*	
	1823	02	151*p*	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
	1823	0204d	?	**Grimsvötn [Thordarhyrna]** (Iceland	1703-01=	2	
	1823	0617	7*a*	**Galeras** (Colombia)	1501-08=	2	
	1823	0626	27*a*	**Katla** (Iceland-S)	1702-03=	3?	-/8
	1823	08 <	>3yr	**Kilauea** (Hawaiian Is)	1302-01-	0	
	1823	1227	....	**Etna** (Italy)	0101-06=	2	
	1824	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1824	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
	1824	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1824	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
	1824	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1824	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1824	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
	1824	....	?	**Zubair, Jebel** (Red Sea)	0201-02=	2	
	1824	....	?	**Yunaska** (Aleutian Is)	1101-21-	3	
	1824	....	>3yr	**Okmok** (Aleutian Is)	1101-29-		
	1824	....	?	**Shishaldin** (Aleutian Is)	1101-36-	3	
	1824	0101?	30*a?*	**Lamongan** (Java)	0603-32=	2	
	1824	02	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1824	0422	67*a*	**Banda Api** (Banda Sea)	0605-09=	2	
?	*1824*	*0501*	?	*Unnamed (Atlantic-C)*	1805-01=	*0*	
	1824	*0702*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1824	*0731*	*85a*	*Lanzarote (Canary Is)*	1803-06-	*1*	*7/-*
	1824	0929	....	**Lanzarote** (Canary Is)	1803-06-	2	7/-
	1824	*1016*	....	*Lanzarote (Canary Is)*	1803-06-	*2*	*7/-*
	1824	12	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1825	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1825	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1825	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
	1825	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1825	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
	1825	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1825	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1825	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
	1825	....	?	**Cameroon** (Africa-W)	0204-01=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
? *1825*	*q*	?	*Balbi (Bougainville-SW Pacific)*	0505-01=		
1825		?	**Dieng Volc Complex** (Java)	0603-20=	2	
1825		?	**Kelut** (Java)	0603-28=	2	
1825	?	>3yr	**Banda Api** (Banda Sea)	0605-09=	1	
1825		?	**Karangetang [Api Siau]** (Sanghe Is	0607-02=	2	
1825		?	**Taal** (Luzon-Philippines)	0703-07=	2	
1825	e	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	2?	
1825	q	?	**Prevo Peak** (Kuril Is)	0900-19=	2	
1825		?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1825		?	**Pavlof** (Alaska Peninsula)	1102-03-	2?	
1825		?	**Izalco** (El Salvador)	1403-03=	2	
1825	q	?	**Guallatiri** (Chile-N)	1505-02=	2?	
1825	0214	244*m*>	**Fernandina** (Galapagos)	1503-01=	3	
1825	0302?	?	**Tolima, Nevado del** (Colombia)	1501-03=	2	
? *1825*	*0310*	?	*Isanotski (Aleutian Is)*	1101-37-	*4*	*-/8*
1825	0614	<1	**Guntur** (Java)	0603-13=	2	
? *1825*	*0906*	?	*Macauley Island (Kermadec Is)*	0402-021	*0*	
1825	10	?	**Slamet** (Java)	0603-18=	2	
1825	1105	3*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1826	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1826	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1826	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1826	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1826	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*1*	
1826	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
1826	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1826	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1826	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
1826		?	**Lamongan** (Java)	0603-32=	2	
1826		?	**Shishaldin** (Aleutian Is)	1101-36-	0	
1826		?	**Fuego** (Guatemala)	1402-09=	2	
? *1826*		?	*Irazú (Costa Rica)*	1405-06=		
? *1826*		?	*Ruiz, Nevado del (Colombia)*	1501-02=	*2?*	
? *1826*		?	*Ubinas (Perú)*	1504-02=		
1826	0301	?	**Maipo** (Chile-C)	1507-021	2	
1826	05	32*m*>	**Tolima, Nevado del** (Colombia)	1501-03=	2	
1826	06	?	**Makushin** (Aleutian Is)	1101-31-	3	
? *1826*	*08*	?	*Misti, El (Perú)*	1504-01=	*1?*	
1826	1003	50*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1826	1011	<1	**Tangkubanparahu** (Java)	0603-09=	2	
1826	1011	4*a*	**Dieng Volc Complex** (Java)	0603-20=	2	
1826	1011	14*a*	**Kelut** (Java)	0603-28=	4?	-/8
1826	1011	96*m*?	**Fisher** (Aleutian Is)	1101-35-	3	
1826	11	?	**Atitlán** (Guatemala)	1402-06=	2	
1826	1201	?	**White Island** (New Zealand)	0401-04=	2	
1827	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1827	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1827	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1827	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*1*	
1827	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
1827	*Cont*	....	*Fisher (Aleutian Is)*	1101-35-	*2*	
1827	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1827	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1827	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
1827		?	**Camiguin [Hibok-Hibok]** (Philippine	0701-08=	2	
? *1827*		?	*Oshima (Izu Is-Japan)*	0804-01=		
? *1827*		?	*Opala (Kamchatka)*	1000-08=		
? *1827*		?	*Kanaga (Aleutian Is)*	1101-11-		
? *1827*		?	*Kasatochi (Aleutian Is)*	1101-13-		
? *1827*		?	*Seguam (Aleutian Is)*	1101-18-		
? *1827*		>3yr	*Makushin (Aleutian Is)*	1101-31-	*2?*	
1827		>3yr	**Westdahl [Pogromni ?]** (Aleutian Is)	1101-34-	2	
1827		731*y*	**Shishaldin** (Aleutian Is)	1101-36-	2	
? *1827*		?	*Popocatèpetl (Mexico)*	1401-09=	*1?*	
1827	b	?	**Deception Island** (Antarctica)	1900-03=		
1827	0327	?	**Atitlán** (Guatemala)	1402-06=	2	
1827	05	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1827	0513	?	**Guntur** (Java)	0603-13=	2	
1827	0627	246*a*	**Mayon** (Luzon-Philippines)	0703-03=	2	
1827	0627	2*a*	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
1827	0901	141*m*?	**Atitlán** (Guatemala)	1402-06=	3	
1827	*1010*	....	*Etna (Italy)*	0101-06=	*1?*	
1827	1112	65*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1827	1118	?	**Purace** (Colombia)	1501-06=	2	
1828	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1828	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1828	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1828	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*1*	
1828	*Cont*	....	*Mayon (Luzon-Philippines)*	0703-03=	*2*	
1828	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
? *1828*	*Cont*	....	*Makushin (Aleutian Is)*	1101-31-	*2?*	
1828	*Cont*	....	*Westdahl [Pogromni ?] (Aleutian Is)*	1101-34-	*2*	
1828	*Cont*	....	*Shishaldin (Aleutian Is)*	1101-36-	*2*	
1828	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1828	*Cont*	....	*Atitlán (Guatemala)*	1402-06=	*3*	
1828	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1828	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
? *1828*		?	*Adwa (Ethiopia)*	0201-17=	*2*	
1828		730*y*	**Little Sitkin** (Aleutian Is)	1101-05-		
? *1828*		*365y?*	*Gareloi (Aleutian Is)*	1101-07-	*2?*	
? *1828*		?	*Great Sitkin (Aleutian Is)*	1101-12-		
? *1828*		?	*Kasatochi (Aleutian Is)*	1101-13-		
1828		?	**Carlisle** (Aleutian Is)	1101-23-		
? *1828*		?	*Akutan (Aleutian Is)*	1101-32-		
1828		?	**Poás** (Costa Rica)	1405-04=	1	
? *1828*	*01*	?	*Matthew Island (SW Pacific)*	0508-01=		
1828	0417	?	**Avachinsky** (Kamchatka)	1000-10=	2	
1828	05	?	**Karthala** (Indian O.-W)	0303-01=	2?	
1828	0514	55*a*	**Guntur** (Java)	0603-13=	2	
1828	06	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1828	06	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
1828	06	?	**Ruiz, Nevado del** (Colombia)	1501-02=	2	
1828	*0823*	....	*Etna (Italy)*	0101-06=	*1?*	
1828	*1024*	>3yr	*Galeras (Colombia)*	1501-08=	*2*	
1828	1218	1*a*	**Merapi** (Java)	0603-25=	2	
1828	1218	?	**Antuco** (Chile-C)	1507-08=	2	
1829	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1829	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1829	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1829	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*1*	
1829	*Cont*	....	*Little Sitkin (Aleutian Is)*	1101-05-		
? *1829*	*Cont*	....	*Gareloi (Aleutian Is)*	1101-07-	*2?*	
1829	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
? *1829*	*Cont*	....	*Makushin (Aleutian Is)*	1101-31-	*2?*	
1829	*Cont*	....	*Westdahl [Pogromni ?] (Aleutian Is)*	1101-34-	*2*	
1829	*Cont*	....	*Shishaldin (Aleutian Is)*	1101-36-	*2*	
1829	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1829	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1829	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1829	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
1829	?	....	**Sorikmarapi** (Sumatra)	0601-12=	2	
1829		?	**Guntur** (Java)	0603-13=	2	
1829		?	**Tanaga** (Aleutian Is)	1101-08-		
? *1829*		?	*Kanaga (Aleutian Is)*	1101-11-		
? *1829*		?	*Great Sitkin (Aleutian Is)*	1101-12-		
? *1829*		*365y*	*Korovin (Aleutian Is)*	1101-161		
1829		?	**Fuego** (Guatemala)	1402-09=	2	
1829		?	**Tupungatito** (Chile-C)	1507-01=	2	
1829	01	30*p*	**Lamongan** (Java)	0603-32=	2	
1829	02	?	**Semeru** (Java)	0603-30=	2	
1829	03	?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
1829	0401	3*a*?	**Tangkubanparahu** (Java)	0603-09=	2	
1829	06	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1829	0618	?	**Ruiz, Nevado del** (Colombia)	1501-02=	2	
1829	0909	?	**Kliuchevskoi** (Kamchatka)	1000-26=	4?	7/8
1829	0926	?	**Maipo** (Chile-C)	1507-021	2?	
1829	1105	6*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1829	*1111*	....	*Etna (Italy)*	0101-06=	*1?*	
1829	1201	15*a*	**Iwo-Tori-shima** (Ryukyu Is)	0802-02=	1?	
1830	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1830	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1830	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1830	*Cont*	....	*Banda Api (Banda Sea)*	0605-09=	*1*	
? *1830*	*Cont*	....	*Korovin (Aleutian Is)*	1101-161		
1830	*Cont*	....	*Okmok (Aleutian Is)*	1101-29-		
? *1830*	*Cont*	....	*Makushin (Aleutian Is)*	1101-31-	*2?*	
1830	*Cont*	....	*Westdahl [Pogromni ?] (Aleutian Is)*	1101-34-	*2*	
1830	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1830	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1830	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1830	*Cont*	....	*San José (Chile-C)*	1507-02=	*2*	
1830		?	**Karthala** (Indian O.-W)	0303-01=	2?	
1830		?	**Manam** (New Guinea-NE of)	0501-02=	2	
? *1830*		?	*Karkar (New Guinea-NE of)*	0501-03=		
1830		?	**Ebulobo** (Lesser Sunda Is)	0604-10=	2	
? *1830*		?	*Gamalama (Halmahera-Indonesia)*	0608-06=		
1830		?	**Zao** (Honshu-Japan)	0803-19=	2	
1830		?	**Karymsky** (Kamchatka)	1000-13=	2	
? *1830*		?	*Semisopochnoi (Aleutian Is)*	1101-06-		
1830		?	**Yunaska** (Aleutian Is)	1101-21-	2	
1830		?	**Vsevidof** (Aleutian Is)	1101-27-		
? *1830*		>3yr	*Veniaminof (Alaska Peninsula)*	1102-07-	*2*	
? *1830*		?	*Pacaya (Guatemala)*	1402-11=		
1830		?	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1830		?	**Ubinas** (Perú)	1504-02=	2	
1830	02	30*p*	**Lamongan** (Java)	0603-32=	2	
1830	0216	28*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1830	*03*	....	*Etna (Italy)*	0101-06=	*1?*	
1830	0303	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1830	0313?	365*p*?	**Reykjanes** (Iceland-SW)	1701-02=	3	
1830	08	?	**Fisher** (Aleutian Is)	1101-35-	2?	
? *1830*	*08*	?	*Misti, El (Perú)*	1504-01=	*1?*	
1830	0811	735*m*	**Aso** (Kyushu-Japan)	0802-11=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
? 1830	09	?	*Zavodovski (Antarctica)*	1900-13=	1	
? 1830	0922	?	*Hodson (Antarctica)*	1900-11=		
1830	10	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1830	11	31*p*	**Shishaldin** (Aleutian Is)	1101-36-	3	
? 1830	11	?	*Isanotski (Aleutian Is)*	1101-37-	2?	
1830	1215	1*a*	**Semeru** (Java)	0603-30=	2	
1830	1215	1*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1831	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1831	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1831	Cont	....	*Banda Api (Banda Sea)*	0605-09=	1	
1831	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
? 1831	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1831	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1831	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1831	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1831	Cont	....	*San José (Chile-C)*	1507-02=	2	
1831	Cont	....	*Reykjanes (Iceland-SW)*	1701-02=	2	
? 1831	....	?	*Vulcano (Italy)*	0101-05=	1?	
? 1831	....	?	*Pantelleria (Italy)*	0101-071		
? 1831	....	?	*Paluweh (Lesser Sunda Is)*	0604-15=		
1831	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	4?	-/8
1831	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=	2	
1831	....	?	**Guagua Pichincha** (Ecuador)	1502-02=	3	
? 1831	0216	?	*Maipo (Chile-C)*	1507-021	2?	
? 1831	03	51*m*	*Isanotski (Aleutian Is)*	1101-37-		
1831	0304	....	*Etna (Italy)*	0101-06=	2	
1831	05	....	**Galeras** (Colombia)	1501-08=	3	
1831	0527	31*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1831	0628>	44d<	*Campi Flegrei Mar Sicilia (Italy)*	0101-07=	0	-/8
1831	0710	....	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=	3	-/8
1831	08	?	**St. Helens** (US-Washington)	1201-05-	3	
? 1831	08	?	*Misti, El (Peru)*	1504-01=	1?	
1831	0814	....	*Vesuvius (Italy)*	0101-02=	1	7/-
1831	1122	?	**Zao** (Honshu-Japan)	0803-19=	2	
1832	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/-
1832	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1832	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1832	Cont	....	*Aso (Kyushu-Japan)*	0802-11=	2	
? 1832	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1832	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1832	Cont	....	*Galeras (Colombia)*	1501-08=	2	
1832	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1832	Cont	....	*San José (Chile-C)*	1507-02=	2	
1832	0114	?	**Kilauea** (Hawaiian Is)	1302-01-	0	
1832	0116	?	**Guntur** (Java)	0603-13=	2	
1832	02	?	**Gorely** (Kamchatka)	1000-07=	3	-/7
1832	03	21*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1832	03	?	**Barren Island** (Andaman Is-Indian O)	0600-01=	2?	
1832	0418	?	**Semeru** (Java)	0603-30=	2	
1832	0420	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1832	0620	25*g*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1832	0808	5*a*	**Guntur** (Java)	0603-13=	2	
1832	0829	<1	**Gede** (Java)	0603-06=	3	
1832	1031	22*a*	**Etna** (Italy)	0101-06=	2	7/6
1832	1224	?	**Villarrica** (Chile-C)	1507-12=	2	
1832	1225	919*w*	**Merapi** (Java)	0603-25=	2?	7/7
1833	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/-
1833	Cont	....	*Etna (Italy)*	0101-06=	1	
1833	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1833	Cont	....	*Merapi (Java)*	0603-25=	2	7/7
? 1833	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1833	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1833	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1833	Cont	....	*Galeras (Colombia)*	1501-08=	2	
1833	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1833	Cont	....	*San José (Chile-C)*	1507-02=	2	
1833	....	....	*Stromboli (Italy)*	0101-04=	2	
1833	....	?	**Karthala** (Indian O.-W)	0303-01=		
1833	....	365*y*	**Marapi** (Sumatra)	0601-14=	2?	
1833 ?	....	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1833	....	?	**Zao** (Honshu-Japan)	0803-19=	2	
1833	....	?	**Atitlán** (Guatemala)	1402-06=	2	
? 1833	....	?	*Ruiz, Nevado del (Colombia)*	1501-02=	2?	
? 1833	....	?	*Maipo (Chile-C)*	1507-021	2?	
? 1833	0411	?	*Iwaki (Honshu-Japan)*	0803-27=	2	
1833	0615	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1833	0901	?	**Guntur** (Java)	0603-13=	2	
1833	10	?	**Talang** (Sumatra)	0601-16=	2	
1833	1124	1*a*	**Kaba** (Sumatra)	0601-22=	2	
1833	1231y	?	**Tair, Jebel at** (Red Sea)	0201-01=	2	
1833	1231y	?	**Ebeko** (Kuril Is)	0900-38=	2	
1834	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1834	Cont	....	*Marapi (Sumatra)*	0601-14=	2?	
1834	Cont	....	*Merapi (Java)*	0603-25=	2	7/7
? 1834	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1834	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1834	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1834	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1834	Cont	....	*San José (Chile-C)*	1507-02=	2	
1834	....	?	**Ragang** (Mindanao-Philippines)	0701-06=	2	
1834	....	317*w*	*Mayon (Luzon-Philippines)*	0703-03=	2	
? 1834	....	?	*Popocatépetl (Mexico)*	1401-09=	1?	
1834	....	?	**Poas** (Costa Rica)	1405-04=	2	
1834	....	?	**Galeras** (Colombia)	1501-08=	2	
1834	0301	....	*Galeras (Colombia)*	1501-08=	3	
1834	0709	11*k*	**Chokai** (Honshu-Japan)	0803-22=	2?	
1834	0822	....	**Vesuvius** (Italy)	0101-02=	3	7/-
1834	09	....	*Stromboli (Italy)*	0101-04=	2	
1834	11	?	**Kaba** (Sumatra)	0601-22=	2	
? 1834	11	?	*Corcovado (Chile-S)*	1508-05=	2	
1834	1125	?	**Minchinmávida** (Chile-S)	1508-04=	2	
1834	1129	86*d*	**Osorno** (Chile-S)	1508-01=	3?	
1834	12	31*p*	**Guntur** (Java)	0603-13=	2	
1835	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1835	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1835	Cont	....	*Guntur (Java)*	0603-13=	2	
1835	Cont	....	*Merapi (Java)*	0603-25=	2	7/7
? 1835	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1835	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1835	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1835	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1835	Cont	....	*San José (Chile-C)*	1507-02=	2	
1835	Cont	....	*Osorno (Chile-S)*	1508-01=	0	
1835 e	....	>3yr	**Savo** (Solomon Is-SW Pacific)	0505-07=	3?	
1835	....	?	**Hunter Island** (SW Pacific)	0508-02=		
1835	....	?	**Kelut** (Java)	0603-28=	2	
1835	....	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1835 r	....	?	**Yokoate-jima** (Ryukyu Is)	0802-021	2?	
? 1835	....	?	*Tupungatito (Chile-C)*	1507-01=	2	
? 1835	....	?	*Maipo (Chile-C)*	1507-021		
1835	....	?	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
? 1835	....	?	*Hornopirén (Chile-S)*	1508-023		
1835	01	>3yr	*Vesuvius (Italy)*	0101-02=	1	7/-
1835	0104	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1835	0120	5a?	**Cosigüina** (Nicaragua)	1404-01=	5	-/9
1835	0123	?	**Puracé** (Colombia)	1501-06=	2	
1835	0220	1*a*	**Robinson Crusoe** (Chile-Is)	1506-02=	1?	
1835	0220	23*e*	**Minchinmávida** (Chile-S)	1508-04=	0?	
? 1835	0220	?	*Yanteles (Chile-S)*	1508-050		
1835	03 ?	?	**St. Helens** (US-Washington)	1201-05-	2	
1835	0423	3*a*	**Banua Wuhu** (Sangihe Is-Indonesia)	0607-03=	2	6/-
1835	05	....	**Mayon** (Luzon-Philippines)	0703-03=	3	
1835	0501	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1835	09	2*a*	**Slamet** (Java)	0603-18=	2	
? 1835	10	?	*Banda Api (Banda Sea)*	0605-09=		
1835	1111 ?	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	5/-
? 1835	1111	?	*Corcovado (Chile-S)*	1508-05=	2	
1836	Cont	....	*Vesuvius (Italy)*	0101-02=	1	7/-
1836	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1836	Cont	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	2	
1836	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1836	Cont	....	*Merapi (Java)*	0603-25=	2	7/7
? 1836	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1836	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1836	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1836	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1836	Cont	....	*San José (Chile-C)*	1507-02=	2	
1836 b	....	?	**White Island** (New Zealand)	0401-04=	2	
1836	....	?	**Izalco** (El Salvador)	1403-03=	2	
? 1836	....	?	*Galeras (Colombia)*	1501-08=	2	
1836 ?	0422	2*a*	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1836	0709	?	**Tate-yama** (Honshu-Japan)	0803-08=	1	-/5
1836	0803	2*a*	**Semeru** (Java)	0603-30=	2	
1836	1011	?	**Guntur** (Java)	0603-13=	2	
? 1836	11 <	?	*Unnamed (Atlantic-C)*	1805-03=	0	
1836	1203	71*a*	**Soufrière Guadeloupe** (W Indies)	1600-06=	2	
1837	Cont	....	*Vesuvius (Italy)*	0101-02=	1	7/-
1837	Cont	....	*Stromboli (Italy)*	0101-04=	1	
1837	Cont	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	2	
1837	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
? 1837	Cont	....	*Makushin (Aleutian Is)*	1101-31-	2?	
? 1837	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	2	
1837	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1837	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1837	Cont	....	*San José (Chile-C)*	1507-02=	2	
1837	Cont	....	*Soufrière Guadeloupe (W Indies)*	1600-06=	2	
? 1837	....	365*y*	*Oshima (Izu Is-Japan)*	0804-01=	2	
? 1837	....	?	*Avachinsky (Kamchatka)*	1000-10=		
? 1837	....	?	*Maipo (Chile-C)*	1507-021		
1837	02	?	**Planchón-Peteroa** (Chile-C)	1507-04=	2	6/6
1837	06	?	**Atitlán** (Guatemala)	1402-06=	2	
1837	0810	309*m*	**Merapi** (Java)	0603-25=	2?	7/7
1837	0925e	?	**Telong, Bur ni** (Sumatra)	0601-05=	2	
1837	1008	?	**Aso** (Kyushu-Japan)	0802-11=	2	

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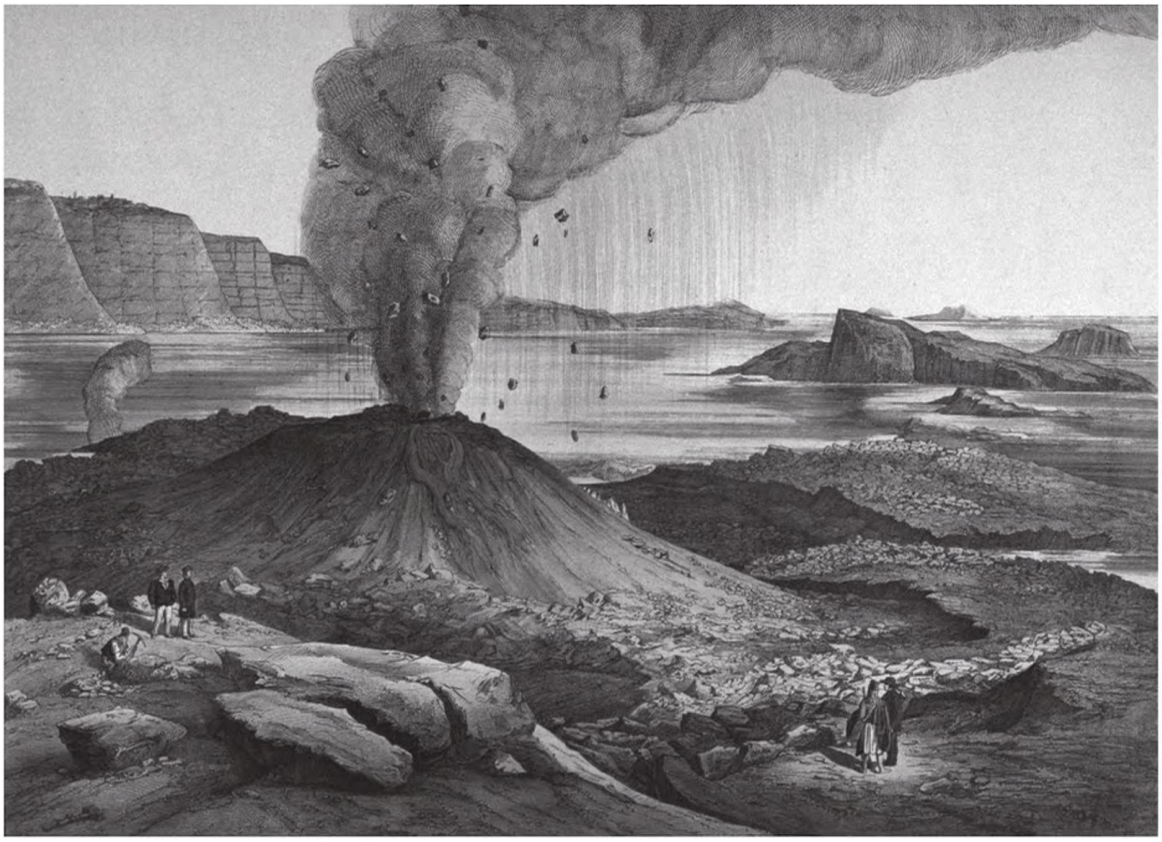
START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1837	1107	14*a*	**Villarrica** (Chile-C)	1507-12=	2	
1837	1107	?	**Osorno** (Chile-S)	1508-01=	2	
1838	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*1*	*7/-*
1838	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1838	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1838	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1838	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
? 1838	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	
? 1838	*Cont*	....	*Makushin (Aleutian Is)*	1101-31-	*2?*	
1838	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1838	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1838	....	?	**Kerinci** (Sumatra)	0601-17=	2	
? 1838	....	?	*Kaba (Sumatra)*	0601-22=		
1838	....	?	**Raung** (Java)	0603-34=	2	
? 1838	....	?	*Carlisle (Aleutian Is)*	1101-23-		
? 1838	....	?	*Akutan (Aleutian Is)*	1101-32-		
1838	....	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1838	....	?	**Pavlof** (Alaska Peninsula)	1102-03-	1	
? 1838	....	?	*San Martin (Mexico)*	1401-11=		
1838	....	730*y*	**Izalco** (El Salvador)	1403-03=	2	
? 1838	....	?	*Poás (Costa Rica)*	1405-04=	*2?*	
1838	....	?	**San José** (Chile-C)	1507-02=	1	
1838	0226	79*m*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1838	0304	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1838	06	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
1838	07	94*m*	**Semeru** (Java)	0603-30=	2	
1838	0704	2*a*	**Lamongan** (Java)	0603-32=	2	
1838	0708	221*m*	**Etna** (Italy)	0101-06=	2	7/-
1838	0804	254*m*	**Veniaminof** (Alaska Peninsula)	1102-07-	3	
1838	1018	?	**Lamongan** (Java)	0603-32=	2	
1838	1231*y*	?	**Cameroon** (Africa-W)	0204-01=	2	
1839	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1839	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
1839	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1839	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1839	*Cont*	....	*Veniaminof (Alaska Peninsula)*	1102-07-	*2*	
1839	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1839	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1839	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1839 ?	....	?	**Dempo** (Sumatra)	0601-23=	2	
? 1839	....	?	*Gede (Java)*	0603-06=		
1839	....	?	**Mayon** (Luzon-Philippines)	0703-03=	2	
? 1839	....	?	*Antuco (Chile-C)*	1507-08=	*2*	
? 1839 <	....	?	*Deception Island (Antarctica)*	1900-03=		
1839	0101	....	**Vesuvius** (Italy)	0101-02=	3	7/-
1839	0112	1*a*	**Seulawah Agam** (Sumatra)	0601-02=	2	
1839	0112	1*a*	**Telong, Bur ni** (Sumatra)	0601-05=	2	
1839	*0129*	*56a*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1839	02	30*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	1?	
1839	0209	?	**Buckle Island** (Antarctica)	1900-01=	2	
? 1839	*0212*	*1a?*	*Unnamed (Chile-Is)*	1506-04=		
1839	0325	....	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1839	0610	?	**Tate-yama** (Honshu-Japan)	0803-08=	2	
1840	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1840	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1840	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1840	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1840	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1840 ?	....	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	3?	
1840	....	?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1840 <	....	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2?	
1840	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
M **1840** ?	....	?	**Southern EPR-Segment K** (Pacific)	1304-12-	0	
1840	....	?	**Puracé** (Colombia)	1501-06=	2	
1840	0104	?	**Merapi** (Java)	0603-25=	1	
1840	0120	76*a*	**Ragang** (Mindanao-Philippines)	0701-06=	2	
1840	0202	240*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3	
1840	0520	4*a*	**Guntur** (Java)	0603-13=	2	
1840	0530	26*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	8/-
1840	0702	?	**Ararat** (Turkey)	0103-04-	3?	
1840	*1112*	*29a*	*Gede (Java)*	0603-06=	*2*	
1840	1201	....	**Gede** (Java)	0603-06=	3	
1841	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1841	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1841	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1841	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1841	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1841	....	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
? 1841	....	?	*Suretamatai (Vanuatu-SW Pacific)*	0507-01=		



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An eruption from 1866 to 1870 at Nea Kameni Island in the center of Santorini caldera in Greece's Agean Sea began with quiet submarine effusion of lava that built a dome above sea level. Explosive eruptions, such as shown here, accompanied lava effusion that produced flows that underlie more than half of the island of Nea Kameni. Palea Kameni Island, which formed in 46-47 AD, is visible at the right.

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1841	0128?	17*m?*	**Erebus** (Antarctica)	1900-02=	1	
1841	0315	?	**Hunter Island** (SW Pacific)	0508-02=		
? *1841*	*0330*	*235a*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1841	0523	100*a*	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2	
1841	0716	396*m*	**Lamongan** (Java)	0603-32=	2	
1841	*0801*	....	*Kuchinoerabu-jima (Ryukyu Is)*	0802-05=	*2*	
1841	0920	>3yr	**Vesuvius** (Italy)	0101-02=	2	7/-
1841	1114	<1	**Guntur** (Java)	0603-13=	2	
1842	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1842	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1842	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1842	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1842	*Cont*	....	*Lamongan (Java)*	0603-32=	*2*	
1842	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1842	....	?	**Kerinci** (Sumatra)	0601-17=	2	
1842	....	?	**Tangkubanparahu** (Java)	0603-09=		
1842	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
1842	....	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1842	....	?	**Izalco** (El Salvador)	1403-03=	2	
1842	....	?	**Irazú** (Costa Rica)	1405-06=	2	
1842	....	....	*Sangay (Ecuador)*	1502-09=	*3*	
? *1842*	....	?	*Planchón-Peteroa (Chile-C)*	1507-04=		
1842	01	59*p*	**Semeru** (Java)	0603-30=	2	
1842	0124	142*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1842	02	?	**Deception Island** (Antarctica)	1900-03=	2	
1842	0315	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	1	
1842	04	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1842	06	?	**Goriaschaia Sopka** (Kuril Is)	0900-17=	3?	
1842	1006	87	**Gamalama** (Halmahera-Indonesia)	0608-06=	1	
1842	1118	41*a?*	**Etna** (Italy)	0101-06=	2	6/-
1842	1122	>3yr	**St. Helens** (US-Washington)	1201-05-	3	-/7
1843	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1843	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1843	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1843	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1843	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*2*	*-/7*
1843	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1843	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1843	....	?	**Agung** (Lesser Sunda Is)	0604-02=	2	
1843	....	>3yr	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	2	
? *1843*	....	?	*Banahaw (Luzon-Philippines)*	0703-05=		
1843	....	?	**Chirip** (Kuril Is)	0900-09=	2?	
? *1843*	....	?	*Iliamna (Alaska-SW)*	1103-02-		
1843	....	?	**Baker** (US-Washington)	1201-01=	3?	
? *1843*	....	?	*Rainier (US-Washington)*	1201-03-	*2*	
1843 <	....	?	**Reventador** (Ecuador)	1502-01=	2?	
1843	....	....	*Sangay (Ecuador)*	1502-09=	*3*	
1843	01	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1843	0104	<1	**Guntur** (Java)	0603-13=	3	-/6
1843	0109	90*a?*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
? *1843*	*0208*	?	*Liamuiga (W Indies)*	1600-03=		
1843	0410	47*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1843	07	>3yr	**Ketoi** (Kuril Is)	0900-20=	2	
1843	07	?	**Atitlán** (Guatemala)	1402-06=	2	
1843	0728	?	**Gede** (Java)	0603-06=	2	
1843	08	411*p*	**Lamongan** (Java)	0603-32=	2	
1843	1021	?	**Talang** (Sumatra)	0601-16=	2	
1843	1117	29*a?*	**Etna** (Italy)	0101-06=	2	7/6
1843	1126	<1	**Guntur** (Java)	0603-13=	2?	
1843	1207	?	**Reventador** (Ecuador)	1502-01=	3	
1844	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1844	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1844	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1844	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1844	*Cont*	....	*Lamongan (Java)*	0603-32=	*2*	
1844	*Cont*	....	*Tongkoko (Sulawesi-Indonesia)*	0606-13=	*2*	
1844	*Cont*	....	*Ketoi (Kuril Is)*	0900-20=	*2*	
1844	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*2*	*-/7*
1844	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1844	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1844*	....	?	*Azuma (Honshu-Japan)*	0803-18=	*1?*	
? *1844*	....	?	*Korovin (Aleutian Is)*	1101-161		
? *1844 a*	....	?	*Makushin (Aleutian Is)*	1101-31-		
1844	....	?	**Reventador** (Ecuador)	1502-01=	3	
1844	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
@ **1844**	....	?	**Negra, Sierra** (Galapagos)	1503-05=	0	
1844	0319	53*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? *1844*	*0324*	*235a*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1844	0407	?	**Iwaki** (Honshu-Japan)	0803-27=	2	
1844	05	?	**Iya** (Lesser Sunda Is)	0604-11=	2	
@ **1844**	05	?	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
? *1844*	*05*	?	*Irazú (Costa Rica)*	1405-06=	*2*	
1844	06	122*p*	**Izalco** (El Salvador)	1403-03=	2	
1844	0725	>3yr	**San Miguel** (El Salvador)	1403-10=	2	
1844	08	31*p*	**Serua** (Banda Sea)	0605-07=	2	
1844	0925	2*a*	**Semeru** (Java)	0603-30=	2	
1844	10	92*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1844	1109	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1844	12	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1845	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1845	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1845	*Cont*	....	*Tongariro [Ngauruhoe] (New Zeal)*	0401-08=	*2*	
1845	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1845	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1845	*Cont*	....	*Tongkoko (Sulawesi-Indonesia)*	0606-13=	*2*	
1845	*Cont*	....	*Ketoi (Kuril Is)*	0900-20=	*2*	
1845	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*2*	*-/7*
1845	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1845	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1845	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1845	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
? *1845*	....	?	*Serua (Banda Sea)*	0605-07=	*2*	
1845 e	....	?	**Ambang** (Sulawesi-Indonesia)	0606-02=		
1845	....	365*y*	**Kolokol Group** (Kuril Is)	0900-12=	2	
? *1845*	....	?	*Akutan (Aleutian Is)*	1101-32-		
? *1845*	....	?	*Isanotski (Aleutian Is)*	1101-37-		
1845	01	184*p*	**Semeru** (Java)	0603-30=	2	
1845	0120a	10*b*	**Mayon** (Luzon-Philippines)	0703-03=	3	
1845	0123	41*a*	**Gede** (Java)	0603-06=	2	
1845	0208	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1845	0219	?	**Ruiz, Nevado del** (Colombia)	1501-02=	3	-/7
1845	0226	6*a>*	**Antuco** (Chile-C)	1507-08=	2	
1845	04	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1845	0404	?	**Iwaki** (Honshu-Japan)	0803-27=	2	
1845	0422	?	**Talang** (Sumatra)	0601-16=	2	
? *1845*	*0423*	*133a*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1845	0812	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1845	0902	215*a?*	**Hekla** (Iceland-S)	1702-07=	4	8/8
1845	1116	2*a*	**Marapi** (Sumatra)	0601-14=	2?	
1846	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1846	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1846	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1846	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1846	*Cont*	....	*Tongkoko (Sulawesi-Indonesia)*	0606-13=	*2*	
1846	*Cont*	....	*Kolokol Group (Kuril Is)*	0900-12=	*2*	
1846	*Cont*	....	*Ketoi (Kuril Is)*	0900-20=	*2*	
1846	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1846	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1846	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1846	*Cont*	....	*Hekla (Iceland-S)*	1702-07=	*3*	*8/8*
1846	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1846	....	?	**Mahawu** (Sulawesi-Indonesia)	0606-11=	2	
1846	....	4*a?*	**Oshima** (Izu Is-Japan)	0804-01=	2	
1846	....	?	**Rasshua** (Kuril Is)	0900-22=	3	
1846	....	?	**Sinarka** (Kuril Is)	0900-29=	3	
1846	....	?	**Kharimkotan** (Kuril Is)	0900-30=	2	
? *1846*	....	?	*Baker (US-Washington)*	1201-01=		
1846	....	?	**Orizaba, Pico de** (Mexico)	1401-10=	2	
1846	02	?	**Pacaya** (Guatemala)	1402-11=	2	
1846	0406	?	**Merapi** (Java)	0603-25=	2	
1846	0511	<1	**Mayon** (Luzon-Philippines)	0703-03=	3	
1846	0519	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1846	0527	?	**Tangkubanparahu** (Java)	0603-09=	2	
1846	0611?	121*a>*	**Fonualei** (Tonga-SW Pacific)	0403-10=	4?	7/8
1846	08	?	**Nasu** (Honshu-Japan)	0803-15=	1	-/5
1846	08	1*a*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
? *1846*	*0814*	?	*Zubair, Jebel (Red Sea)*	0201-02=	*2*	
1846	09 ?	?	**Serua** (Banda Sea)	0605-07=	2	
1846	0902	409*m*	**Merapi** (Java)	0603-25=	3	
1846	1004	1*a*	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=	2	
1846	11	?	**Fernandina** (Galapagos)	1503-01=	0	
1846	1118	?	**E-san** (Hokkaido-Japan)	0805-011	1	
1846	1126	>3yr	**Azul, Cerro** (Chile-C)	1507-06=	2	9/-
1847	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
1847	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1847	*Cont*	....	*Savo (Solomon Is-SW Pacific)*	0505-07=	*2*	
1847	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1847	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	
1847	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1847	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1847	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1847	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
1847	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
? *1847*	....	?	*Batur (Lesser Sunda Is)*	0604-01=		
1847	....	>3yr	**Tara, Batu** (Lesser Sunda Is)	0604-26=	2	
? *1847*	....	?	*Turrialba (Costa Rica)*	1405-07=		
1847	0207	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1847	0320	?	**Slamet** (Java)	0603-18=	2	
1847	0326	92*a*	**Lamongan** (Java)	0603-32=	2	
1847	0326	4*a*	**St. Helens** (US-Washington)	1201-05-	2	
1847	0409	23*a?*	**Fogo** (Cape Verde Is)	1804-01=	2	
1847	0518	?	**Irazú** (Costa Rica)	1405-06=	2	
1847	0907	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=		
1847	0910	2*a*	**Rinjani** (Lesser Sunda Is)	0604-03=	2	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1847	0925	?	**Lamongan** (Java)	0603-32=	2	
	1847	1016	12*a*	**Guntur** (Java)	0603-13=	2	
	1847	1017	1*a*	**Gede** (Java)	0603-06=	2	
	1847	*1027*	*>3yr*	*Puracé (Colombia)*	1501-06=	*2*	
	1847	1204	?	**Dieng Volc Complex** (Java)	0603-20=	2	
	1848	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1848	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1848	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1848	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
	1848	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1848	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
	1848	*Cont*	....	*Puracé (Colombia)*	1501-06=	*2*	
	1848	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1848	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1848	....	?	**Karthala** (Indian O.-W)	0303-01=	0	
	1848	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1848	....	?	**Golovnin** (Kuril Is)	0900-01=	1	
	1848	....	?	**Kharimkotan** (Kuril Is)	0900-30=	2	
	1848	....	?	**Mutnovsky** (Kamchatka)	1000-06=	3	-/7
	1848	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
?	*1848*	....	?	*Socorro (México-Is)*	1401-021	*2?*	
	1848	....	?	**Láscar** (Chile-N)	1505-10=	2	
?	*1848*	....	?	*Antuco (Chile-C)*	1507-08=	*2?*	
?	*1848*	*0108*	?	*Merapi (Java)*	0603-25=		
?	*1848*	*0118*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
	1848	02	?	**Semeru** (Java)	0603-30=	2	
	1848	0305d	?	**Akutan** (Aleutian Is)	1101-32-	2	
	1848	0401<	?	**St. Helens** (US-Washington)	1201-05-	2?	
?	*1848*	*0413*	*88a?*	*Ritter Island (New Guinea-NE of)*	0501-07=		
	1848	0508	?	**Gede** (Java)	0603-06=	2	
	1848	0516	1*a*	**Kelut** (Java)	0603-28=	3	
	1848	0804	?	**Semeru** (Java)	0603-30=	2	
	1849	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
	1849	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1849	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1849	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
	1849	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1849	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1849	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
?	*1849*	....	?	*Kelut (Java)*	0603-28=		
?	*1849*	....	?	*Semeru (Java)*	0603-30=		
	1849	....	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
	1849	....	?	**Goriaschaia Sopka** (Kuril Is)	0900-17=	2	
?	*1849*	....	?	*St. Helens (US-Washington)*	1201-05-	*2?*	
	1849	....	?	**Momotombo** (Nicaragua)	1404-09=	2	
@	**1849**	....	?	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
	1849	0426	<1	**Merapi** (Java)	0603-25=	2	-/6
	1849	05	18*e*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
	1849	06	92*p*	**Lamongan** (Java)	0603-32=	2	
	1849	0914	10*a*	**Merapi** (Java)	0603-25=	3	-/7
	1849	1006	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
	1849	1127	357*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1849	12	....	**Puracé** (Colombia)	1501-06=	3?	
	1849	*12*	....	*Sangay (Ecuador)*	1502-09=	*3*	
	1849	1201	?	**Slamet** (Java)	0603-18=	2	
	1849	1201p	?	**Raung** (Java)	0603-34=		
	1850	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1850	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
	1850	*Cont*	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	*2*	
	1850	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1850	*Cont*	....	*Puracé (Colombia)*	1501-06=	*2*	
	1850	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1850	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1850		....	*Stromboli (Italy)*	0101-04=	*2?*	
j	**1850**	....	?	**Es Safa** (Syria)	0300-05-	0	
?	**1850**	....	?	**Karthala** (Indian O.-W)	0303-01=	0	
?	**1850**	....	?	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	1850	....	?	**Unnamed** (Luzon-N of)	0704-05=	0	
?	*1850*	....	?	*Unnamed (Taiwan-E of)*	0801-01=	*0*	
?	*1850*	*t*	?	*Kunlun Volc Group (China-W)*	1004-03-		
A	**1850**	?	?	**Chichón, El** (Mexico)	1401-12=		
?	*1850*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1850	....	?	**Izalco** (El Salvador)	1403-03=	2	
	1850	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
E	**1850**	>	?	**Azul, Cerro** (Galapagos)	1503-06=		
	1850	....	?	**Puntiagudo-Cordón Cenizos**	1507-16-		
	1850	?	?	**Penguin Island** (Antarctica)	1900-031		
?	*1850*	....	?	*Paulet (Antarctica)*	1900-041		
	1850	*0205*	....	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
?	*1850*	*03*	?	*Baker (US-Washington)*	1201-01=		
	1850	03	61*p?*	**St. Helens** (US-Washington)	1201-05-	2?	
	1850	0413	44*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	6/5
	1850	1103	9*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1851	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1851	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1851	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
	1851	*Cont*	....	*Puracé (Colombia)*	1501-06=	*2*	
	1851	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1851	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1851	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1851	....	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	0	
?	*1851*	....	?	*Rincón de la Vieja (Costa Rica)*	1405-02=		
	1851	....	?	**Osorno** (Chile-S)	1508-01=	2?	
	1851	r	?	**Jan Mayen** (Atlantic-N-Jan Mayen)	1706-01=		
	1851	01	?	**Semeru** (Java)	0603-30=	2	
	1851	*01*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1851	0124	?	**Kelut** (Java)	0603-28=	2	
	1851	0526	20*m*	**Mayon** (Luzon-Philippines)	0703-03=	1	
	1851	06	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1851	0805	193*p*	**Pelée** (W Indies)	1600-12=	2	
	1851	0808	3*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
	1851	09	?	**Maly Semiachik** (Kamchatka)	1000-14=	2	
	1851	1126	80*d*	**Avachinsky** (Kamchatka)	1000-10=	2	
	1852	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1852	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1852	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
	1852	*Cont*	....	*Avachinsky (Kamchatka)*	1000-10=	*2*	
	1852	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1852	*Cont*	....	*Puracé (Colombia)*	1501-06=	*2*	
	1852	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1852	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1852	*Cont*	....	*Pelée (W Indies)*	1600-12=	*2*	
	1852	....	?	**Cameroon** (Africa-W)	0204-01=	2	
	1852	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
?	*1852*	....	?	*Metis Shoal (Tonga-SW Pacific)*	0403-07=	*0*	
	1852	....	?	**Home Reef** (Tonga-SW Pacific)	0403-08=	2	
?	*1852*	....	?	*Barren Island (Andaman Is-Indian O)*	0600-01=	*2*	
?	*1852*	....	?	*Sirung (Lesser Sunda Is)*	0604-27=	*2*	
?	*1852*	....	?	*Bulusan (Luzon-Philippines)*	0703-01=		
	1852	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
	1852	....	?	**Akutan** (Aleutian Is)	1101-32-		
?	*1852*	....	?	*Pavlof (Alaska Peninsula)*	1102-03-	*1?*	
?	*1852*	....	?	*Veniaminof (Alaska Peninsula)*	1102-07-	*2?*	
?	*1852*	....	?	*Ugashik-Peulik (Alaska Peninsula)*	1102-13-		
?	*1852*	....	?	*Popocatépetl (Mexico)*	1401-09=	*1?*	
?	*1852*	....	?	*Atitlán (Guatemala)*	1402-06=	*2?*	
?	*1852*	....	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1852	....	?	**Momotombo** (Nicaragua)	1404-09=	2	
	1852	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1852	....	365*y*	**Llaima** (Chile-C)	1507-11=	2	
?	*1852*	....	?	*Villarrica (Chile-C)*	1507-12=		
	1852	02	30*p*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1852	0217	23*a?*	**Mauna Loa** (Hawaiian Is)	1302-02=	2	8/-
	1852	0219	40*a?*	**Fogo** (Cape Verde Is)	1804-01=	2	
	1852	03	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
	1852	0415q	91*r*	**Maly Semiachik** (Kamchatka)	1000-14=	2	
	1852	0528	<1	**Gede** (Java)	0603-06=	2	
	1852	06	31*p*	**Masaya** (Nicaragua)	1404-10=	2	
?	*1852*	*0717*	?	*Unnamed (Atlantic-C)*	1805-04=	*0*	
	1852	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1852	0820	290*a*	**Etna** (Italy)	0101-06=	2	8/6
	1852	1005	1*a*	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
	1852	*11*	*62p*	*Antuco (Chile-C)*	1507-08=	*0*	*7/-*
	1852	1101	196*m?*	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	2	
	1852	12	?	**Cosigüina** (Nicaragua)	1404-01=	2?	
	1852	1201p	45*q?*	**Baker** (US-Washington)	1201-01=	2	
	1853	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
	1853	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*8/6*
	1853	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1853	*Cont*	....	*Niigata-Yake-yama (Honshu-Japan)*	0803-09=	*2*	
	1853	*Cont*	....	*Baker (US-Washington)*	1201-01=	*2*	
	1853	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1853	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1853	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*0*	
	1853	*Cont*	....	*Llaima (Chile-C)*	1507-11=	*2*	
?	*1853*		....	*Hood (US-Oregon)*	1202-01-		
	1853		....	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
	1853		....	**Turrialba** (Costa Rica)	1405-07=	2	
?	*1853*		....	*Láscar (Chile-N)*	1505-10=	*2?*	
	1853	01	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
	1853	01	....	**Antuco** (Chile-C)	1507-08=	3	7/-
	1853	0101	?	**Dempo** (Sumatra)	0601-23=	2	
	1853	02	?	**Lonquimay** (Chile-C)	1507-10=	3	
	1853	0314	<1	**Gede** (Java)	0603-06=	3?	
	1853	0315e	153*n?*	**St. Helens** (US-Washington)	1201-05-	2?	
	1853	0409?	159*a>*	**Masaya** (Nicaragua)	1404-10=	1?	
	1853	0422	146*m*	**Usu** (Hokkaido-Japan)	0805-03=	4	8/8
	1853	0503	?	**Atitlán** (Guatemala)	1402-06=	3	
	1853	0624	<1	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	0	
?	*1853*	*07*	?	*South Sister (US-Oregon)*	1202-08-		
	1853	0713	44	**Mayon** (Luzon-Philippines)	0703-03=	3	
	1853	0913	2*a*	**Cotopaxi** (Ecuador)	1502-05=	3	7/-
	1853	10	124*m*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1853	1029	17*m?*	**Unnamed** (Taiwan-E of)	0801-03=	2?	
1853	11	?	**Kaba** (Sumatra)	0601-22=	2	
1853	11	?	**Villarrica** (Chile-C)	1507-12=	2?	
1853	12	>3yr	**Chikurachki** (Kuril Is)	0900-36=	3?	-/7
1853	1218	87*m*	**Mutnovsky** (Kamchatka)	1000-06=	2	
1853	1221	83*a?*	**Avachinsky** (Kamchatka)	1000-10=	2	
1854	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	
1854	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1854	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1854	*Cont*	....	*Mutnovsky (Kamchatka)*	1000-06=	*2*	
1854	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
1854	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1854	....	?	**Taranaki [Egmont]** (New Zealand)	0401-03=		
1854	....	?	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
1854	....	?	**Late** (Tonga-SW Pacific)	0403-09=	2	
1854	....	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=		
? 1854	....	?	*Opala (Kamchatka)*	1000-08=		
1854	....	?	**Baker** (US-Washington)	1201-01=	2	
? 1854	....	?	*Rainier (US-Washington)*	1201-03-	*2*	
? 1854	....	?	*San Miguel (El Salvador)*	1403-10=	*2?*	
1854	....	>3yr	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
1854	....	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
1854	0115	?	**Unnamed** (Luzon-N of)	0704-05=	0	
? 1854	*0115*	?	*Unnamed (Taiwan-E of)*	0801-02=	*0*	
1854	0120	10*a*	**Láscar** (Chile-N)	1505-10=	1	
1854	02	61*p*	**St. Helens** (US-Washington)	1201-05-	2	
1854	02	30*p*	**Momotombo** (Nicaragua)	1404-09=	2	
1854	0210	?	**Llullaillaco** (Chile-N)	1505-11=	2	
1854	0218	?	**Shiveluch** (Kamchatka)	1000-27=	**5**	**-/9**
1854	0226	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1854	0403	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1854	0428	?	**Batur** (Lesser Sunda Is)	0604-01=	1?	
1854	0513	26*a*	**Izalco** (El Salvador)	1403-03=	2	
? 1854	*0618*	*<1*	*Makian (Halmahera-Indonesia)*	0608-07=	*1*	
1854	0624	?	**Chirpoi** (Kuril Is)	0900-15=	2	
1854	0627	?	**Alaid** (Kuril Is)	0900-39=	3	
1854	0705	?	**Fuss Peak** (Kuril Is)	0900-34=	3	
? 1854	*08*	?	*Hood (US-Oregon)*	1202-01-		
1854	*08*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1854	0813	?	**Avachinsky** (Kamchatka)	1000-10=	2	
1854	0829>	?	**Marapi** (Sumatra)	0601-14=	2	
? 1854	*09*	?	*Merapi (Java)*	0603-25=		
1854	09	?	**Karymsky** (Kamchatka)	1000-13=	2	
1854	0914	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1854	*1214*	*164a*	*Vesuvius (Italy)*	0101-02=	*2*	*7/-*
? 1854	*1223*	*17a*	*Fuji (Honshu-Japan)*	0803-03=		
1855	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
? 1855	*Cont*	....	*Fuji (Honshu-Japan)*	0803-03=		
1855	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1855	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1855	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
1855	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1855	....	?	**Tendürek Dagi** (Turkey)	0103-03=		
A **1855** e	....	?	**Chyulu Hills** (Africa-E)	0202-13=	2	
1855	....	?	**Tongariro** (New Zealand)	0401-08=	2	
1855	....	?	**Sinarka** (Kuril Is)	0900-29=	2	
1855	....	?	**Osorno** (Chile-S)	1508-01=	2?	
? 1855	*0112*	?	*Tacaná (Mexico)*	1401-13=	*1*	
1855	03	61*p*	**Iwo-Tori-shima** (Ryukyu Is)	0802-02=	2	
1855	0322	?	**Mayon** (Luzon-Philippines)	0703-03=	2	
? 1855	*04*	?	*Gorely (Kamchatka)*	1000-07=	*2?*	
1855	05	?	**Turrialba** (Costa Rica)	1405-07=	2	
1855	0501	....	**Vesuvius** (Italy)	0101-02=	3	7/-
1855	0528	98*n*	**Avachinsky** (Kamchatka)	1000-10=	2	
1855	0701p	?	**Karthala** (Indian O.-W)	0303-01=	2	
1855	08	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
1855	0811	462*m*	**Mauna Loa** (Hawaiian Is)	1302-02=	1	8/-
1855	0929	1*a*	**Fuego** (Guatemala)	1402-09=	2	
1855	1002	105*m*	**Marapi** (Sumatra)	0601-14=	2	
1855	*1003*	....	*Stromboli (Italy)*	0101-04=	*2*	
1855	11	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1855	12	?	**San Miguel** (El Salvador)	1403-10=	2	
1855	*1219*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
? 1855	*1229*	*1a*	*Banda Api (Banda Sea)*	0605-09=		
1856	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
1856	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1856	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*1*	
1856	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1856	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1856	*Cont*	....	*Mauna Loa (Hawaiian Is)*	1302-02=	*1*	*8/-*
1856	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
? 1856 h	....	?	*White Island (New Zealand)*	0401-04=	*2*	
1856 ?	....	?	**Suretamatai** (Vanuatu-SW Pacific)	0507-01=	2?	
? 1856	....	?	*Makaturing (Mindanao-Philippines)*	0701-04=		
? 1856	....	?	*Baker (US-Washington)*	1201-01=		
? 1856	....	?	*Atitlán (Guatemala)*	1402-06=	*2*	
1856	0109	57*a*	**Fuego** (Guatemala)	1402-09=	2	
1856	*0212*	....	*Sangay (Ecuador)*	1502-09=	*3*	
1856	0301	105*a*	**Lamongan** (Java)	0603-32=	2	
1856	0302	15*a*	**Awu** (Sangihe Is-Indonesia)	0607-04=	3?	-/8
1856	0318	97*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1856	0414	?	**Telong, Bur ni** (Sumatra)	0601-05=	2	
1856	05	?	**Cotopaxi** (Ecuador)	1502-05=	2	
? 1856	*0520*	?	*Iwaki (Honshu-Japan)*	0803-27=	*2*	
1856	0524	100*a*	**Izalco** (El Salvador)	1403-03=	2	
1856	*07*	....	*Stromboli (Italy)*	0101-04=	*2*	
1856	09	?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	1	
1856	0910	?	**Semeru** (Java)	0603-30=	2	
@ **1856**	0910	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1856	0925	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	4	-/8
1856	0929	1*a*	**Fuego** (Guatemala)	1402-09=	2	
1856	*0930p*	*>3yr*	*Didicas (Luzon-N of)*	0704-02=	*0*	*8/-*
1856	10	61*p*	**Cotopaxi** (Ecuador)	1502-05=	2	
1856	1101	?	**Ragang** (Mindanao-Philippines)	0701-06=	2	
? 1856	*1125*	*<1 ?*	*Unnamed (Atlantic-N)*	1801-03=	*0*	
1856	12	31*p*	**Masaya** (Nicaragua)	1404-10=	2	
1856	1212	1*a*	**Reventador** (Ecuador)	1502-01=	3	
1857	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
1857	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1857	*Cont*	....	*Didicas (Luzon-N of)*	0704-02=	*0*	*8/-*
1857	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1857	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1857	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1857	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
1857	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1857	....	*>3yr*	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1857	....	?	**Karthala** (Indian O.-W)	0303-01=	2	
? 1857	....	?	*Home Reef (Tonga-SW Pacific)*	0403-08=	*2*	
1857	....	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1857	....	?	**Mayon** (Luzon-Philippines)	0703-03=	2	
1857 <	....	?	**Camiguin de Babuyanes** (Luzon-N)	0704-01=	2	
1857	....	?	**Tokachi** (Hokkaido-Japan)	0805-05=	2	
1857	....	365*y*	**Shiretoko-Iwo-zan** (Hokkaido-Japan)	0805-09=		
? 1857	....	?	*Tres Virgenes (Mexico)*	1401-01=		
1857	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1857	0115	33*a*	**Fuego** (Guatemala)	1402-09=	4?	-/8
1857	02	18*c*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1857	0215	4*a*>	**Izalco** (El Salvador)	1403-03=	2	
1857	04	?	**St. Helens** (US-Washington)	1201-05-	2	
1857	0627	171*a*	**Fogo** (Cape Verde Is)	1804-01=	2	
1857	07	?	**Chirpoi** (Kuril Is)	0900-15=	3	
1857	08	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
1857	0813	33*m*	**Semeru** (Java)	0603-30=	2	
? 1857	*0906*	?	*Etna (Italy)*	0101-06=	*1?*	
1857	0910?	?	**Tungurahua** (Ecuador)	1502-08=	2?	
1857	0917	?	**Fuego** (Guatemala)	1402-09=	2	
1857	11	?	**San Miguel** (El Salvador)	1403-10=	2?	
1858	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1858	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1858	*Cont*	....	*Didicas (Luzon-N of)*	0704-02=	*0*	*8/-*
1858	*Cont*	....	*Shiretoko-Iwo-zan (Hokkaido-Japan)*	0805-09=		
1858	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1858	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1858	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
1858	....	?	**Karthala** (Indian O.-W)	0303-01=	2	
1858	....	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2	
1858	....	?	**Serua** (Banda Sea)	0605-07=	2	
? 1858	....	?	*Makaturing (Mindanao-Philippines)*	0701-04=		
1858	....	?	**Baker** (US-Washington)	1201-01=	2	
? 1858	....	?	*Rainier (US-Washington)*	1201-03-	*2*	
1858	....	>3yr	**Momotombo** (Nicaragua)	1404-09=	2	
1858	01	334*p*	**Mayon** (Luzon-Philippines)	0703-03=	2	
1858	0206	524*m*	**Izalco** (El Salvador)	1403-03=	2	
1858	0218	?	**Ragang** (Mindanao-Philippines)	0701-06=	2	
1858	0304	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
? 1858	*04*	?	*Masaya (Nicaragua)*	1404-10=		
1858	04	245*p*	**Láscar** (Chile-N)	1505-10=	2?	
1858	*0527*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
1858	1018	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
? 1858	*11*	*302p*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1858	11	30*p*	**Cotopaxi** (Ecuador)	1502-05=	2	
1858	1103	74*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
1858	1110	137*a*	**Masaya** (Nicaragua)	1404-10=	2	
1858	*12*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1859	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
1859	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1859	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
? 1859	*Cont*	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1859	*Cont*	....	*Didicas (Luzon-N of)*	0704-02=	*0*	*8/-*
1859	*Cont*	....	*Chikurachki (Kuril Is)*	0900-36=	*2*	*-/7*
1859	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1859	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
1859	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1859	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1859	....	?	**Karthala** (Indian O.-W)	0303-01=	2	
	1859	....	?	**Serua** (Banda Sea)	0605-07=	2	
	1859	....	?	**Mayon** (Luzon-Philippines)	0703-03=		
	1859	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1859	0123	306*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	1	8/-
	1859	0130	33*d*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1859	0227	16*m*	**Lamongan** (Java)	0603-32=	2	
	1859	0421	?	**Tongariro** (New Zealand)	0401-08=	1?	
	1859	*05*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1859	0508	15*a*>	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1859	0519	327*a*	**Villarrica** (Chile-C)	1507-12=	2	
?	*1859*	*07*	?	*Lewotobi (Lesser Sunda Is)*	0604-18=		
	1859	0815	2*a*	**Hood** (US-Oregon)	1202-01-	2	
	1859	0825	?	**Cosigüina** (Nicaragua)	1404-01=		
	1859	092*1*	?	**Ebeko** (Kuril Is)	0900-38=	2	
	1859	11	163*m*?	**Baker** (US-Washington)	1201-01=	2	
	1859	1208	45*a*	**Izalco** (El Salvador)	1403-03=	0	
	1859	1214	?	**Raung** (Java)	0603-34=	2	
	1860	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/-*
	1860	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
	1860	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1860	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1860	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*0*	
	1860	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
	1860	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1860	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*2*	
?	*1860*	....	?	*Makian (Halmahera-Indonesia)*	0608-07=	*1*	
	1860	....	?	**Mayon** (Luzon-Philippines)	0703-03=		
	1860	....	....	**Didicas** (Luzon-N of)	0704-02=	2	8/-
	1860	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
	1860	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	1	
	1860	?	?	**Chirip** (Kuril Is)	0900-09=	1	
M	1860	?	?	**Southern EPR-Segment I** (Pacific)	1304-14-	0	
	1860	....	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
	1860	....	?	**Poás** (Costa Rica)	1405-04=	1	
	1860	i	?	**Puracé** (Colombia)	1501-06=	2?	
	1860	....	730*y*	**Cotopaxi** (Ecuador)	1502-05=	2	
②	1860	....	?	**Negra, Sierra** (Galápagos)	1503-05=	2	
	1860	....	?	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
	1860	0122	58*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	-/5
	1860	0319	23*a*	**Slamet** (Java)	0603-18=	2	
	1860	04	60*p*?	**Semeru** (Java)	0603-30=	2	
	1860	0508	19*a*	**Katla** (Iceland-S)	1702-03=	4	-/8
?	*1860*	*06*	?	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
	1860	0612	2*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1860	0707	2*a*	**Alaid** (Kuril Is)	0900-39=	3	
	1860	0725	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2?	
	1860	0818	36*a*	**Fuego** (Guatemala)	1402-09=	2	
	1860	09 <	?	**Raung** (Java)	0603-34=	2	
	1860	0911	34*m*	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
	1860	10	?	**Cagua** (Luzon-Philippines)	0703-09=	2	
?	*1860*	*12*	?	*Baker (US-Washington)*	1201-01=		
	1860	1229	?	**Karthala** (Indian O.-W)	0303-01=	0	
	1861	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
	1861	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1861	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1861	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
	1861	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
	1861	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
	1861	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1861	?	?	**Suretamatai** (Vanuatu-SW Pacific)	0507-01=	2	
	1861	....	?	**Merapi** (Java)	0603-25=	2	
	1861	....	?	**Lamongan** (Java)	0603-32=	2	
	1861	....	?	**Mayon** (Luzon-Philippines)	0703-03=	1	
?	*1861*	....	?	*Turrialba (Costa Rica)*	1405-07=		
	1861	....	?	**Tupungatito** (Chile-C)	1507-01=	2	
②	1861	....	?	**Sete Cidades** (Azores)	1802-08=	0	
	1861	02 ?	183*p*?	**Antuco** (Chile-C)	1507-08=	0	
	1861	0213	92*a*>	**Ruapehu** (New Zealand)	0401-10=	2	
	1861	0319	<1	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1861	04	?	**Marapi** (Sumatra)	0601-14=	2?	
?	*1861*	*05*	?	*Karaha, Kawah (Java)*	0603-16=		
?	*1861*	*05*	?	*Grímsvötn (Iceland-NE)*	1703-01=	*2*	
	1861	0504	14*a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
	1861	0508	161*m*?	**Dubbi** (Ethiopia)	0201-10=	3?	9/-
	1861	*06*	*747w*	*Chillán, Nevados de (Chile-C)*	1507-07=	*1*	
	1861	0802	....	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
?	*1861*	*1121*	?	*Fuego (Guatemala)*	1402-09=	*2*	
	1861	1208	....	**Vesuvius** (Italy)	0101-02=	3	8/-
	1861	1228	292*m*	**Makian** (Halmahera-Indonesia)	0608-07=	4?	-/8
	1862	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
	1862	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1862	*Cont*	....	*Makian (Halmahera-Indonesia)*	0608-07=	*4?*	*-/8*
	1862	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1862	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
	1862	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
	1862	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
	1862	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1862	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*1*	
?	*1862*	....	?	*Karthala (Indian O.-W)*	0303-01=	*2*	
	1862	....	?	**Camiguin [Hibok-Hibok]** (Philippine	0701-08=	2	
	1862	....	?	**Mayon** (Luzon-Philippines)	0703-03=	2	
?	*1862*	....	?	*Akulan (Aleutian Is)*	1101-32-		
	1862	....	?	**Ubinas** (Perú)	1504-02=	2	
	1862	....	?	**Llaima** (Chile-C)	1507-11=	3	
	1862	01	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1862	01	?	**San Miguel** (El Salvador)	1403-10=	2	
?	*1862*	*01*	*47m*	*Antuco (Chile-C)*	1507-08=		
④	1862	04	31*p*	**Yucamane** (Perú)	1504-05-	2	
	1862	0526	693*w*	**Merapi** (Java)	0603-25=	2	7/6
	1862	0630	837*q*	**Bárdarbunga [Trollagigar]** (Iceland	1703-03=	2	8/5
	1862	0715	91*m*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1863	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
	1863	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1863	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1863	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
	1863	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1863	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*1*	
	1863	*Cont*	....	*Bárdarbunga [Trollagigar] (Iceland*	1703-03=	*2*	*8/5*
	1863	....	?	**Tair, Jebel at** (Red Sea)	0201-01=	2	
?	*1863*	....	?	*Dubbi (Ethiopia)*	0201-10=	*2*	
A	1863	e	?	**Longonot** (Africa-E)	0202-10=	0	7/-
	1863	....	303*w*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1863	....	365*y*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1863	....	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
?	*1863*	....	?	*Tajumulco (Guatemala)*	1402-02=	*2*	
	1863	....	?	**Izalco** (El Salvador)	1403-03=	0	
	1863	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
	1863	0323	?	**Iwaki** (Honshu-Japan)	0803-27=	1	
	1863	*0501*	*85a*?	*Etna (Italy)*	0101-06=	*2*	
?	*1863*	*0501*?	*45m*?	*Gamalama (Halmahera-Indonesia)*	0608-06=	*2*	
	1863	0523	?	**Marapi** (Sumatra)	0601-14=	2?	
?	*1863*	*0530*	?	*Mayon (Luzon-Philippines)*	0703-03=		
	1863	07	?	**Baker** (US-Washington)	1201-01=	2	
	1863	0707	....	**Etna** (Italy)	0101-06=	3?	
	1863	*0728*	....	*Merapi (Java)*	0603-25=	*2*	*7/6*
	1863	*08*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
	1863	08	?	**Isluga** (Chile-N)	1505-03=	1?	
	1863	0812	?	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=	2	
	1863	0825	6*a*	**Makian** (Halmahera-Indonesia)	0608-07=	1	
	1863	12	?	**Antuco** (Chile-C)	1507-08=	2	
	1863	1220	40*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
	1864	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
	1864	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
	1864	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
	1864	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1864	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/6*
	1864	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1864	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
	1864	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1864	*Cont*	....	*Bárdarbunga [Trollagigar] (Iceland*	1703-03=	*2*	*8/5*
	1864	....	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
	1864	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	1?	
	1864	....	?	**Llaima** (Chile-C)	1507-11=	3	
?	*1864*	*01*	?	*Alamagan (Mariana Is-C Pacific)*	0804-18=		
	1864	0104?	<1	**Kelut** (Java)	0603-28=	2	
	1864	0107	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
	1864	0120	28*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1864	0210	>3yr	**Vesuvius** (Italy)	0101-02=	2	6/-
	1864	0515b	396*g*	**Izalco** (El Salvador)	1403-03=	2	
?	*1864*	*0604d*	*21d*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
	1864	0606	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1864	0609	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	
	1864	0609	36*m*	**Lamongan** (Java)	0603-32=	2	
	1864	0702	166*m*	**Raung** (Java)	0603-34=	2	
	1864	0805d	45*d*	**Etna** (Italy)	0101-06=	2	
	1864	*0817*	*210m*	*Turrialba (Costa Rica)*	1405-07=	*1?*	
	1864	0916	1*a*	**Irazú** (Costa Rica)	1405-06=	2	
	1864	0916	....	**Turrialba** (Costa Rica)	1405-07=	2	
	1864	10	16*m*	**Makian** (Halmahera-Indonesia)	0608-07=	1	
?	*1864*	*10*	?	*Callaqui (Chile-C)*	1507-091		
	1864	10	?	**Villarrica** (Chile-C)	1507-12=	2	
	1864	1101	2*a*	**Mocho-Choshuenco** (Chile-C)	1507-13=	2	
	1864	1130	66*a*	**Chillán, Nevados de** (Chile-C)	1507-07=	3	
	1864	12	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1864	1227	6*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1865	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
	1865	*Cont*	....	*Tongariro [Ngauruhoe] (New Zeal)*	0401-08=	*2*	
	1865	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1865	*Cont*	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	*2*	
	1865	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
	1865	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1865	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1865	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1865	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2*	
1865	....	?	**Nyamuragira** (Africa-C)	0203-02=		
1865	....	?	**Cameroon** (Africa-W)	0204-01=	2	
1865	....	?	**Karthala** (Indian O.-W)	0303-01=	2?	
? *1865*	....	*?*	*Falcon Island (Tonga-SW Pacific)*	0403-05=	*0*	
1865 c	....	>3yr	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
? *1865* p	....	*?*	*Savo (Solomon Is-SW Pacific)*	0505-07=		
1865 e	....	?	**Kelimutu** (Lesser Sunda Is)	0604-14=	2	
1865	....	?	**Makaturing** (Mindanao-Philippines)	0701-04=	2	
1865	....	?	**Makushin** (Aleutian Is)	1101-31-		
1865	....	?	**Akutan** (Aleutian Is)	1101-32-		
? *1865*	....	*?*	*Shishaldin (Aleutian Is)*	1101-36-		
? *1865*	....	*?*	*Baker (US-Washington)*	1201-01=		
1865	....	?	**Ubinas** (Perú)	1504-02=	2	
1865	....	730*y*	**Olca-Paruma** (Chile-N)	1505-05=		
1865	*0124*	....	*Turrialba (Costa Rica)*	1405-07=	*2*	
1865	*0126e*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1865	0130	149*a*	**Etna** (Italy)	0101-06=	2	7/6
1865	0205	5*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1865	04	31*p*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1865	0415e	?	**Semeru** (Java)	0603-30=	2	
1865	0504	?	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1865	0709	?	**Unnamed** (Atlantic-N)	1801-04=	0	
1865	*09*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1865	09	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1865	0921	117*m*?	**Hood** (US-Oregon)	1202-01-	2	
1865	1002	>3yr	**Galeras** (Colombia)	1501-08=	3	7/6
1865	1024	>3yr	**Merapi** (Java)	0603-25=	2	7/7
1865	1201	17*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1865	1230	120*a*?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1866	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
1866	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1866	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1866	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1866	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
1866	*Cont*	....	*Hood (US-Oregon)*	1202-01-	*2*	
1866	*Cont*	....	*Mauna Loa (Hawaiian Is)*	1302-02=	*0*	*7/-*
1866	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
1866	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	*7/6*
1866	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1866	*Cont*	....	*Olca-Paruma (Chile-N)*	1505-05=		
? *1866*	....	*?*	*Sorikmarapi (Sumatra)*	0601-12=		
? *1866*	....	*?*	*Semeru (Java)*	0603-30=	*2?*	
1866	....	?	**Kanlaon** (Philippines-C)	0702-02=	2	
1866 ?	....	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1866	....	?	**Llaima** (Chile-C)	1507-11=	2	
1866	01 ?	?	**Cameroon** (Africa-W)	0204-01=	2	
1866	01	113*m*	**Turrialba** (Costa Rica)	1405-07=	3	-/7
1866	0126	>3yr	**Santorini** (Greece)	0102-04=	2	8/-
1866	0314	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1866	0427	110*e*	**Izalco** (El Salvador)	1403-03=	2	
1866	07	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1866	0912	64*e*	**Ofu-Olosega** (Samoa-SW Pacific)	0404-01=	2	
1866	0918	?	**Gede** (Java)	0603-06=	2	
1866	0921	5*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
1867	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1867	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*8/-*
1867	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1867	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1867	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
1867	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1867	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	*7/6*
1867	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1867	*Cont*	....	*Olca-Paruma (Chile-N)*	1505-05=		
1867	....	?	**Campi Flegrei Mar Sicilia** (Italy)	0101-07=	0	
? *1867*	....	*?*	*Unnamed (Taiwan-N of)*	0801-04=	*0*	
1867	....	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=		
? *1867*	....	*?*	*Makushin (Aleutian Is)*	1101-31-		
1867	....	?	**Akutan** (Aleutian Is)	1101-32-		
1867	....	?	**Iliamna** (Alaska-SW)	1103-02-	2	
? *1867*	....	*?*	*Fuego (Guatemala)*	1402-09=	*2*	
1867	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1867 ?	....	?	**Copahue** (Chile-C)	1507-09=	2?	
? *1867*	....	*365y*	*Villarrica (Chile-C)*	1507-12=		
1867	01	?	**Iya** (Lesser Sunda Is)	0604-11=	2	
? *1867*	*03*	*?*	*Baker (US-Washington)*	1201-01=		
? *1867*	*03*	*?*	*Barva (Costa Rica)*	1405-05=		
1867	04	138*m*	**Izalco** (El Salvador)	1403-03=	2	
1867	0412	?	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	1	
1867	0415e	30*m*	**Semeru** (Java)	0603-30=	2	
1867	0524	4*a*	**Ubinas** (Perú)	1504-02=	2	
1867	0601	7*a*	**Terceira** (Azores)	1802-05=	3	
1867	0829	?	**Grimsvötn** (Iceland-NE)	1703-01=	1	
1867	0908	?	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1867	1021	?	**Zao** (Honshu-Japan)	0803-19=	2	
1867	1114	16*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	-/6
1867	*1115*	....	*Vesuvius (Italy)*	0101-02=	*1*	*6/-*
1867	12	31*p*	**Tjornes [Manareyjar]**	1703-10=		
1867	1213	30*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1867	1214	64*a*>	**San Miguel** (El Salvador)	1403-10=	2	
1868	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1868	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*8/-*
1868	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1868	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1868	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
1868	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
1868	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1868	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	*7/6*
1868	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1868*	*Cont*	....	*Villarrica (Chile-C)*	1507-12=		
1868	*Cont*	....	*Tjornes [Manareyjar]*	1703-10=		
1868	....	?	**Cameroon** (Africa-W)	0204-01=	2	
? *1868* c	....	*?*	*Talang (Sumatra)*	0601-16=		
1868 ?	....	?	**Dukono** (Halmahera-Indonesia)	0608-01=	2	
1868	....	?	**Isluga** (Chile-N)	1505-03=	2?	
1868	02	45*p*	**Iwo-Tori-shima** (Ryukyu Is)	0802-02=	1	
1868	0216	1*a*	**Izalco** (El Salvador)	1403-03=	2	
1868	03	30*m*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1868	0313	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	1	
1868	0319	3*a*	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1868	*0327*	*26a*	*Mauna Loa (Hawaiian Is)*	1302-02=	*0*	*8/-*
1868	0402?	?	**Kilauea** (Hawaiian Is)	1302-01-	1?	5/-
1868	0407	....	**Mauna Loa** (Hawaiian Is)	1302-02=	2	8/-
1868	0504	?	**Iya** (Lesser Sunda Is)	0604-11=	2	
1868	0713<	?	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1868	08	?	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1868	0815	3*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
1868	09	?	**Llullaillaco** (Chile-N)	1505-11=	0	
1868	10	260*w*	**Kaba** (Sumatra)	0601-22=	2	
1868	1113	90*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1868	*1115*	....	*Vesuvius (Italy)*	0101-02=	*2*	*6/-*
1868	1126?	12*a*?	**Etna** (Italy)	0101-06=	3	
1868	1215	?	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1868	1217	?	**Mayon** (Luzon-Philippines)	0703-03=	2	
? *1868*	*1231y*	*4a*	*Oshima (Izu Is-Japan)*	0804-01=		
1869	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1869	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*8/-*
1869	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1869	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1869	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1869	*Cont*	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	*2*	
1869	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1869 ?	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2?	
1869	....	?	**Tongariro** (New Zealand)	0401-08=	2	
1869	....	?	**Gorely** (Kamchatka)	1000-07=	2	
? *1869*	....	*?*	*Hood (US-Oregon)*	1202-01-		
1869	....	....	*Sangay (Ecuador)*	1502-09=	*3*	
? *1869*	....	*?*	*Planchón-Peteroa (Chile-C)*	1507-04=		
1869	....	?	**Antuco** (Chile-C)	1507-08=	2	
1869	....	?	**Osorno** (Chile-S)	1508-01=	2	
1869	....	?	**Reclus** (Chile-S)	1508-063	2	
1869	0204	20*d*	**Villarrica** (Chile-C)	1507-12=	2	
1869	03	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
1869	03	?	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1869	0301?	109*a*>	**Izalco** (El Salvador)	1403-03=	2	
1869	04	?	**Llaima** (Chile-C)	1507-11=	2?	
1869	0406	28*a*	**Lamongan** (Java)	0603-32=	2	
1869	05	160*m*	**Asama** (Honshu-Japan)	0803-11=	2	
@ **1869**	0506	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
1869	*0528*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
? *1869*	*06*	*?*	*Baker (US-Washington)*	1201-01=		
1869	0612	73*a*>	**Colima** (México)	1401-04=	3	8/-
1869	*0615*	....	*Galeras (Colombia)*	1501-08=	*3*	*7/6*
1869	07	31*p*	**Cotopaxi** (Ecuador)	1502-05=	3	
1869	0707	20*a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1869	0722	33*a*	**Guagua Pichincha** (Ecuador)	1502-02=	2	
1869	08	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1869	08	?	**Isluga** (Chile-N)	1505-03=	2	
? *1869*	*0824*	*?*	*Maipo (Chile-C)*	1507-021	*2*	
? *1869*	*09*	*?*	*Misti, El (Perú)*	1504-01=	*1?*	
1869	0912	?	**Lamongan** (Java)	0603-32=	2	
1869	0926	<1	**Etna** (Italy)	0101-06=	0	6/-
1869	10	?	**Ubinas** (Perú)	1504-02=	2	
1869	1004	43*m*	**Puracé** (Colombia)	1501-06=	3?	
1870	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1870	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*8/-*
1870	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1870	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1870	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/7*
1870	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1870	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	*7/6*
1870	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1870 ?	....	?	**Aoba** (Vanuatu-SW Pacific)	0507-03=	2?	
? 1870	....	?	*Ambrym (Vanuatu-SW Pacific)*	0507-04=		
1870	....	?	**Iliwerung** (Lesser Sunda Is)	0604-25=	3	
1870	....	?	**Oshima** (Izu Is-Japan)	0804-01=	2	
1870	....	?	**Baker** (US-Washington)	1201-01=	2	
? 1870	....	?	*Rainier (US-Washington)*	1201-03-	2	
1870	....	365y	**Colima** (Mexico)	1401-04=	0	
1870	....	?	**Momotombo** (Nicaragua)	1404-09=	2?	
1870	....	>3yr	**Cotopaxi** (Ecuador)	1502-05=	2	
? 1870	....	?	*San Pedro (Chile-N)*	1505-07=		
? 1870	0101?	14a	*Mauna Loa (Hawaiian Is)*	1302-02=	0	
? 1870	0201p	?	*Fournaise, Piton de la (Indian O.)*	0303-02=	0	
1870	0221	>3yr	**Ceboruco** (México)	1401-03=	3	9/8
? 1870	03	?	*Misti, El (Perú)*	1504-01=	1?	
1870	0302	3a	**Lamongan** (Java)	0603-32=	2	
1870	04	123m	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	5/-
1870	05	?	**Smith Rock** (Izu Is-Japan)	0804-08=	2	
? 1870	0519	?	*Izalco (El Salvador)*	1403-03=	2?	
1870	0620d	105d	**Raoul Island** (Kermadec Is)	0402-03=	3	-/7
1870	08	48m	**Gede** (Java)	0603-06=	2	
1870	0818	171b	**Lamongan** (Java)	0603-32=	2	
1870	0827	1a	**Ruang** (Sangihe Is-Indonesia)	0607-01=	3?	
1870	10	?	**Puracé** (Colombia)	1501-06=	2	
1870	12	501m	*Vesuvius (Italy)*	0101-02=	2	7/7
1871	Cont	....	*Vesuvius (Italy)*	0101-02=	2	7/7
1871	Cont	....	*Stromboli (Italy)*	0101-04=	1	4/-
1871	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
1871	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1871	Cont	....	*Merapi (Java)*	0603-25=	2	7/7
1871	Cont	....	*Lamongan (Java)*	0603-32=	2	
1871	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1871	Cont	....	*Colima (Mexico)*	1401-04=	0	
1871	Cont	....	*Cotopaxi (Ecuador)*	1502-05=	2	
1871	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1871	....	?	**Nisyros** (Greece)	0102-05=	2	
1871 c	....	?	**Barrier, The** (Africa-E)	0202-03=	2	
1871	....	?	**Cameroon** (Africa-W)	0204-01=	2	
1871	....	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2?	
1871	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
@ 1871	....	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
T 1871 s	....	?	**Deception Island** (Antarctica)	1900-03=		
1871	0130	?	**Reventador** (Ecuador)	1502-01=	2	
1871	0302	12a	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
? 1871	04	?	*Nikko-Shirane (Honshu-Japan)*	0803-14=		
1871	04	?	**Tori-shima** (Izu Is-Japan)	0804-09=	0	
1871	0424	?	**Marapi** (Sumatra)	0601-14=	2?	
1871	0430	>3yr	**Camiguin [Hibok-Hibok]** (Philippine	0701-08=	2	8/-
1871	0621	14a	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1871	0807	49a	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1871	0810	20a?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1871	0901	?	**Iya** (Lesser Sunda Is)	0604-11=	2	
1871	0924	?	**Marapi** (Sumatra)	0601-14=	2?	
1871	1208<	?	**Ragang** (Mindanao-Philippines)	0701-06=	2	
1871	1208	39m	**Mayon** (Luzon-Philippines)	0703-03=	3	
? 1871	1225	3a	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	2	
1872	Cont	....	*Stromboli (Italy)*	0101-04=	1	4/-
1872	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
1872	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1872	Cont	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	2	8/-
1872	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1872	Cont	....	*Cotopaxi (Ecuador)*	1502-05=	2	
1872	....	?	**Karthala** (Indian O.-W)	0303-01=	2	
1872 d	....	?	**Bam** (New Guinea-NE of)	0501-01=	3	
1872	....	>3yr	**Sinarka** (Kuril Is)	0900-29=	4	7/-
? 1872	....	?	*Planchón-Peteroa (Chile-C)*	1507-04=		
@ 1872 ?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		
? 1872	0201p	?	*Fournaise, Piton de la (Indian O.)*	0303-02=	0	
1872	0226	395a	**Colima** (México)	1401-04=	3	
1872	0415	5	**Merapi** (Java)	0603-25=	4	-/8
1872	0424	....	**Vesuvius** (Italy)	0101-02=	3	7/7
1872	05	....	*Sangay (Ecuador)*	1502-09=	2	
1872	0514	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=	2	
1872	0606	?	**Llaima** (Chile-C)	1507-11=	2	
1872	0606	?	**Quetrupillan** (Chile-C)	1507-121	2?	
1872	0722	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
1872	0809	37m?	**Mauna Loa** (Hawaiian Is)	1302-02=	1	
1872	0813	....	*Colima (Mexico)*	1401-04=	3	
1872	0815	34a	**Lamongan** (Java)	0603-32=	2	
1872	0905	4a	**Mayon** (Luzon-Philippines)	0703-03=	1	
1872	1023	<1	**Semeru** (Java)	0603-30=	2	
1872	1103	74m?	**Merapi** (Java)	0603-25=	2	
1872	12	92m>	**Izalco** (El Salvador)	1403-03=	2	
1872	12	....	*Sangay (Ecuador)*	1502-09=	2	
1872	1201	189a	*Aso (Kyushu-Japan)*	0802-11=	2	
1873	Cont	....	*Stromboli (Italy)*	0101-04=	1	4/-
1873	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
1873	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1873	Cont	....	*Merapi (Java)*	0603-25=	2	
1873	Cont	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	2	8/-
1873	Cont	....	*Sinarka (Kuril Is)*	0900-29=	1	7/-
1873	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1873	Cont	....	*Izalco (El Salvador)*	1403-03=	2	
1873	Cont	....	*Cotopaxi (Ecuador)*	1502-05=	2	
? 1873	....	?	*Erta Ale (Ethiopia)*	0201-08=	2	
1873	....	>3yr	**Kaba** (Sumatra)	0601-22=	2	
1873	....	?	**Leroboleng** (Lesser Sunda Is)	0604-20=	2	
1873	....	?	**Taal** (Luzon-Philippines)	0703-07=	2	
? 1873	....	?	*Smith Rock (Izu Is-Japan)*	0804-08=	0	
1873 ?	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	3?	
1873	....	?	**Semisopochnoi** (Aleutian Is)	1101-06-		
1873	....	?	**Gareloi** (Aleutian Is)	1101-07-	2?	
? 1873	....	?	*Yunaska (Aleutian Is)*	1101-21-	2?	
1873	0106	1a?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
1873	0108	219m	**Grímsvötn** (Iceland-NE)	1703-01=	4	-/8
1873	0110	....	*Colima (México)*	1401-04=	2?	
1873	0116	89m	**Ragang** (Mindanao-Philippines)	0701-06=	2	
1873	0301	....	**Aso** (Kyushu-Japan)	0802-11=	3	
1873	0312	?	**Nikko-Shirane** (Honshu-Japan)	0803-14=	1	
1873	0420	547a?	**Mauna Loa** (Hawaiian Is)	1302-02=	1	
1873	06	193m	**Nisyros** (Greece)	0102-05=	2	
1873	0620	32a	**Mayon** (Luzon-Philippines)	0703-03=	2	
1873	08	30p	**Zao** (Honshu-Japan)	0803-19=	1?	
1873	09	>3yr	**Vulcano** (Italy)	0101-05=	3	
1873	11	....	*Sangay (Ecuador)*	1502-09=	2	
1874	Cont	....	*Vulcano (Italy)*	0101-05=	2	
1874	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
1874	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1874	Cont	....	*Kaba (Sumatra)*	0601-22=	2	
1874	Cont	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	2	8/-
1874	Cont	....	*Sinarka (Kuril Is)*	0900-29=	1	7/-
1874	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
1874	Cont	....	*Mauna Loa (Hawaiian Is)*	1302-02=	1	
1874	Cont	....	*Cotopaxi (Ecuador)*	1502-05=	2	
1874	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
1874	....	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
1874 ?	....	?	**Kerinci** (Sumatra)	0601-17=	2?	
1874 ?	....	551w?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
1874	....	?	**Santa Ana** (El Salvador)	1403-02=	3	
? 1874	....	365y	*Izalco (El Salvador)*	1403-03=		
? 1874	....	?	*Llaima (Chile-C)*	1507-11=		
? 1874	01	?	*Vesuvius (Italy)*	0101-02=	1	
1874	0201p	1a?	**Fournaise, Piton de la** (Indian O.)	0303-02=		
1874	0207	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1874	0208	8a	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	2	-/7
1874	0216	....	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	3	-/7
1874	0416	?	**Villarrica** (Chile-C)	1507-12=	2	
1874	05	?	**Etna** (Italy)	0101-06=	2	
1874	0520	?	**Bam** (New Guinea-NE of)	0501-01=	2	
1874	0520	93a	**Lamongan** (Java)	0603-32=	2	
1874	06	....	*Stromboli (Italy)*	0101-04=	2?	4/-
1874	0608	?	**E-san** (Hokkaido-Japan)	0805-011	1	-/5
1874	0612	?	**Colima** (México)	1401-04=	1	
1874	0629	131a>	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1874	0703	14a?	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	
1874	0715q	?	**Veniaminof** (Alaska Peninsula)	1102-07-	2?	
1874	0719	?	**Taal** (Luzon-Philippines)	0703-07=	2	
1874	0829	2a	**Etna** (Italy)	0101-06=	2	6/6
1874	0901	....	*Stromboli (Italy)*	0101-04=	2	4/-
1874	1115	?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1875	Cont	....	*Stromboli (Italy)*	0101-04=	1	4/-
1875	Cont	....	*Vulcano (Italy)*	0101-05=	2	
1875	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
1875	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
1875	Cont	....	*Kaba (Sumatra)*	0601-22=	2	
1875	Cont	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	2	8/-
1875	Cont	....	*Farallon de Pajaros (Mariana Is-Pac)*	0804-14=	2	
1875	Cont	....	*Sinarka (Kuril Is)*	0900-29=	1	7/-
1875	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	
? 1875	Cont	....	*Izalco (El Salvador)*	1403-03=		
1875	Cont	....	*Cotopaxi (Ecuador)*	1502-05=	2	
1875	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
M 1875 <	....	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
1875	....	>3yr	**Colima** (Mexico)	1401-04=	1	
1875 e	....	?	**Irazú** (Costa Rica)	1405-06=	2	
1875	....	?	**Láscar** (Chile-N)	1505-10=	2	
1875	....	365y	**Llaima** (Chile-C)	1507-11=	2	
1875	0101	289a	*Askja (Iceland-NE)*	1703-06=	2	
1875	0110	30a?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
1875	0329	....	**Askja** (Iceland-NE)	1703-06=	5	8/9
1875	0529<	6d>	**Slamet** (Java)	0603-18=	2	
1875	0614	?	**Asama** (Honshu-Japan)	0803-11=	2	
1875	08	16m	**Awu** (Sangihe Is-Indonesia)	0607-04=	2	
1875	0811	7a?	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
? 1875	1001t	?	*Tongariro [Ngauruhoe] (New Zeal)*	0401-08=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1875	1102 b	54*f*	**Slamet** (Java)	0603-18=	2	
1875	1117	365*y*	**Villarrica** (Chile-C)	1507-12=	2?	
1875	1126	15*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1875	*1218*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1876	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1876	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1876	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1876	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1876	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1876	*Cont*	....	*Farallon de Pajaros (Mariana Is-Pac)*	0804-14=	*2*	
1876	*Cont*	....	*Sinarka (Kuril Is)*	0900-29=	*1*	*7/-*
1876	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1876	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1876	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	
1876	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1876	*Cont*	....	*Llaima (Chile-C)*	1507-11=	*2*	
1876	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*2?*	
1876	....	....	*Vulcano (Italy)*	0101-05=	*3*	
1876	....	?	**Karthala** (Indian O.-W)	0303-01=	0	
1876 ?	....	?	**Talang** (Sumatra)	0601-16=	2	
1876	....	?	**Leroboleng** (Lesser Sunda Is)	0604-20=	2	
? *1876*	....	*?*	*Amukta (Aleutian Is)*	1101-19-		
1876	....	?	**Iliamna** (Alaska-SW)	1103-02-	3	
1876	0213	1*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	
1876	04	?	**Mayon** (Luzon-Philippines)	0703-03=	1	
1876	0404	?	**Marapi** (Sumatra)	0601-14=	2?	
1876	08	303*p*	**Marapi** (Sumatra)	0601-14=	2?	
1876	0923	3*a*	**Shiretoko-Iwo-zan** (Hokkaido-Japan)	0805-09=	2	
1876	10	?	**Lautaro** (Chile-S)	1508-06=	2?	
1876	1126	<1	**Mayon** (Luzon-Philippines)	0703-03=	1	
1876	1211	<1	**Fournaise, Piton de la** (Indian O.)	0303-02=		
1876	1227	40*a*	**Oshima** (Izu Is-Japan)	0804-01=	2	6/6
1877	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1877	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1877	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2*	
1877	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1877	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1877	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1877	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1877	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*6/6*
1877	*Cont*	....	*Sinarka (Kuril Is)*	0900-29=	*1*	*7/-*
1877	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1877	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1877	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1877	....	?	**Falcon Island** (Tonga-SW Pacific)	0403-05=	2	
1877	....	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	4?	
1877	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1877	....	?	**Isluga** (Chile-N)	1505-03=	2?	
1877 ?	....	?	**San Pedro** (Chile-N)	1505-07=	2	
1877	*01*	*230m*	*Cotopaxi (Ecuador)*	1502-05=	*2*	*7/8*
1877	0116	159*a*	**Llaima** (Chile-C)	1507-11=	2	
1877	0212?	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
1877	0214	10*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	6/-
1877	0312	64*m*	**Villarrica** (Chile-C)	1507-12=	2	
1877	04	?	**Semeru** (Java)	0603-30=	2	
1877	0424?	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1877	*0424?*	*18a?*	*Lamongan (Java)*	0603-32=	*2*	
1877	05	?	**Llullaillaco** (Chile-N)	1505-11=	2	
1877	0511	....	**Lamongan** (Java)	0603-32=	3?	
1877	*0511*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	*7/8*
1877	*0531*	....	*Cotopaxi (Ecuador)*	1502-05=	*2*	*7/8*
1877	0626	....	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
1877	09	?	**Semeru** (Java)	0603-30=	2	
1877	1029	15*a>*	**Manam** (New Guinea-NE of)	0501-02=	2	
1877	1113	?	**Bam** (New Guinea-NE of)	0501-01=	3	
1877	12	?	**Cumbal** (Colombia)	1501-10=	2	
1878	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1878	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1878	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2*	
1878	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1878	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1878	*Cont*	....	*Sinarka (Kuril Is)*	0900-29=	*1*	*7/-*
1878	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1878	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1878	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1878 a	....	?	**Meru** (Africa-E)	0202-16=	2	
1878	....	?	**Langila** (New Britain-SW Pac)	0502-01=	2	
1878	....	?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
1878	....	....	**Yasur** (Vanuatu-SW Pacific)	0507-10=	3	
1878	....	355*w*	**Merapi** (Java)	0603-25=	2	
1878	....	?	**Semeru** (Java)	0603-30=	2	
? *1878*	....	*?*	*Asama (Honshu-Japan)*	0803-11=	*2*	
1878	....	?	**Avachinsky** (Kamchatka)	1000-10=	2	
1878	....	?	**Amukta** (Aleutian Is)	1101-19-		
1878	....	?	**Vsevidof** (Aleutian Is)	1101-27-	2	
1878	....	?	**Okmok** (Aleutian Is)	1101-29-	2?	
1878	....	?	**Tacaná** (Mexico)	1401-13=	1	
? *1878*	....	*?*	*Santa Ana (El Salvador)*	1403-02=	*2*	
1878	....	?	**Izalco** (El Salvador)	1403-03=		
1878	....	?	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
? *1878*	*0118*	*?*	*Lautaro (Chile-S)*	1508-06=	*1*	
? *1878*	*0129*	*?*	*Unnamed (Atlantic-C)*	1805-02=	*0*	
1878	0130?	27*b?*	**Rabaul** (New Britain-SW Pac)	0502-14=	3	-/8
1878	02	?	**Isluga** (Chile-N)	1505-03=	2	
1878	0227	47*m*	**Hekla [Krakagigar]** (Iceland-S)	1702-07=	2	8/-
1878	0314	16*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1878	04 <	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2	
1878	0823	1*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
1878	0831	?	**Puracé** (Colombia)	1501-06=	2	
1878	09	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1878	0901u	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
? *1878*	*1002*	*?*	*Tecapa (El Salvador)*	1403-08=		
1878	1014?	?	**Momotombo** (Nicaragua)	1404-09=	2	
1878	1112	3*a*	**Taal** (Luzon-Philippines)	0703-07=	2	
? *1878*	*12*	*?*	*Marapi (Sumatra)*	0601-14=	*2?*	
1878	1211	?	**Kerinci** (Sumatra)	0601-17=	2	
1878	1223	>3yr	**Etna** (Italy)	0101-06=	2	
? *1878*	*1231p*	*?*	*Ritter Island (New Guinea-NE of)*	0501-07=		
1879	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1879	*Cont*	....	*Vulcano (Italy)*	0101-05=	*2*	
1879	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1879	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1879	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1879	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	
1879	....	?	**Sorikmarapi** (Sumatra)	0601-12=	2	
1879	....	?	**Semeru** (Java)	0603-30=	2	
1879	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1879	....	>3yr	**Shiveluch** (Kamchatka)	1000-27=	3	
? *1879*	....	*?*	*Rainier (US-Washington)*	1201-03-	*2*	
? *1879*	....	*?*	*Poás (Costa Rica)*	1405-04=	*1*	
@ **1879**	....	?	**Lautaro** (Chile-S)	1508-06=		
1879	....	?	**Reclus** (Chile-S)	1508-063	2	
1879	0115 q	?	**Sarychev Peak** (Kuril Is)	0900-24=	0	
1879	0201 p	?	**Santa Ana** (El Salvador)	1403-02=	2	
1879	0202	44*m*	**Villarrica** (Chile-C)	1507-12=	2	
1879	*0204*	....	*Stromboli (Italy)*	0101-04=	*2?*	*4/-*
1879	0226	113*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
1879	0309	<1	**Mauna Loa** (Hawaiian Is)	1302-02=	0	6/-
1879	05	31*p*	**Chirpoi** (Kuril Is)	0900-15=	2	
1879	0518	?	**Dempo** (Sumatra)	0601-23=	2	
1879	0526	12*a*	**Etna** (Italy)	0101-06=	3	7/7
1879	0530?	16*e?*	**Reykjanes** (Iceland-SW)	1701-02=	1	
1879	*0603*	....	*Stromboli (Italy)*	0101-04=	*2?*	*4/-*
1879	*0714*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1879	0927	1*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1879	*12*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1879	1223	129*a*	**Colima** (Mexico)	1401-04=	1	
1879	1225	80*m*	**Izalco** (El Salvador)	1403-03=	2	
1879	*1231*	*87e*	*Ilopango (El Salvador)*	1403-06=	*0*	*8/-*
1880	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1880	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*4/-*
1880	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1880	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1880	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1880	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1880	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	
1880	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1880	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1880	....	?	**Karthala** (Indian O.-W)	0303-01=	2	
1880 r	....	?	**Tambora** (Lesser Sunda Is)	0604-04=	2	
1880	....	?	**Tongkoko** (Sulawesi-Indonesia)	0606-13=	1	
? *1880* ?	....	*?*	*Veleran (SE Asia)*	0705-07-	*0*	
1880	....	>3yr	**Kita-Iwo-jima** (Volcano Is-Japan)	0804-11=	0	
1880	....	?	**Mendeleev** (Kuril Is)	0900-02=	1	
? *1880*	....	*?*	*Vsevidof (Aleutian Is)*	1101-27-		
? *1880*	....	*365y*	*Shishaldin (Aleutian Is)*	1101-36-		
1880	....	?	**Pavlof** (Alaska Peninsula)	1102-03-	1?	
1880	....	?	**Poás** (Costa Rica)	1405-04=	1	
1880	....	?	**Villarrica** (Chile-C)	1507-12=	2	
? *1880*	....	*?*	*Soufrière St. Vincent (W Indies)*	1600-15=	*0*	
@ **1880**	....	?	**Sete Cidades** (Azores)	1802-08=	0	
1880	*01*	....	*Sangay (Ecuador)*	1502-09=	*3*	
1880	0104	<1	**Watt, Morne** (W Indies)	1600-101	2?	
1880	0120	....	**Ilopango** (El Salvador)	1403-06=	3	8/-
1880	*02*	*151p*	*Cotopaxi (Ecuador)*	1502-05=	*2*	
1880	03	?	**Sta. Ana [Mala Cara]** (El Salvador)	1403-02=	3	
1880	05	?	**Dempo** (Sumatra)	0601-23=	2	
1880	0501	5*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	1	7/-
1880	0628	53*a*	**Fuego** (Guatemala)	1402-09=	4?	-/8
1880	0703	....	**Cotopaxi** (Ecuador)	1502-05=	3	
? *1880* ?	*0712*	*<1*	*Srednii (Kuril Is)*	0900-211	*0*	
1880	09	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1880	0907	81*a*	**Baker** (US-Washington)	1201-01=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1884	*Cont*	....	*Karthala (Indian O.-W)*	0303-01=	*2*	
1884	*Cont*	....	*Lopevi (Vanuatu-SW Pacific)*	0507-05=		
1884	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1884	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1884	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*7/-*
1884	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1884	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1884	*Cont*	....	*Augustine (Alaska-SW)*	1103-01-	*2*	*8/8*
1884	*Cont*	....	*Colima (México)*	1401-04=	*1*	
1884	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1884	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
1884	....	653*w*	**Etna** (Italy)	0101-06=	1	
1884	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
? 1884	....	*?*	*Manam (New Guinea-NE of)*	0501-02=		
1884	....	?	**Langila** (New Britain-SW Pac)	0502-01=	2	
1884	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2?	
1884	....	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	1	
1884	l	?	**Chirinkotan** (Kuril Is)	0900-26=	0	
? 1884	....	*?*	*Baker (US-Washington)*	1201-01=		
1884	....	730*y*	**Concepción** (Nicaragua)	1404-12=	2	
1884	0106	168*a*	**Lamongan** (Java)	0603-32=	2	
1884	0122	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	
1884	0125	3*a*	**San Miguel** (El Salvador)	1403-10=	2	
1884	0204	1*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1884	0309	1*a*	**Santa Ana** (El Salvador)	1403-02=	2	
1884	0309	1*a*	**Izalco** (El Salvador)	1403-03=	2	
1884	*0311*	....	*Dieng Volc Complex (Java)*	0603-20=	*1*	
1884	0321	86*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1884	05	15*m*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
? 1884	*05*	*31m*	*Kanlaon (Philippines-C)*	0702-02=	*2*	
1884	06	31*p*	**Dempo** (Sumatra)	0601-23=	2	
1884	07	?	**Ushishur** (Kuril Is)	0900-21=	1	
? 1884	*0726*	*?*	*Reykjanes (Iceland-SW)*	1701-02=	*2?*	
1884	0808	2*a*	**Rinjani** (Lesser Sunda Is)	0604-03=	2	
? 1884	*1026*	*71a*	*Wrangell (Alaska-E)*	1105-02-	*2?*	
? 1884	*1208*	*<1*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
1884	1210?	279*m?*	**Semeru** (Java)	0603-30=	2	
1884	1229	?	**Unnamed** (Atlantic-N)	1801-02=	0	
1885	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1885	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1885	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1885	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1885	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1885	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
? 1885	*Cont*	....	*Wrangell (Alaska-E)*	1105-02-	*2?*	
1885	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1885	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1885	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
1885	a	730*y*	**Tongariro** (New Zealand)	0401-08=	1	
1885	....	?	**Karkar** (New Guinea-NE of)	0501-03=	2?	
1885	e	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
? 1885	....	*?*	*Taal (Luzon-Philippines)*	0703-07=		
1885	....	?	**Izalco** (El Salvador)	1403-03=	2	
1885	....	?	**Irazú** (Costa Rica)	1405-06=	2?	
1885	....	?	**Isluga** (Chile-N)	1505-03=	1?	
? 1885	*01*	*?*	*White Island (New Zealand)*	0401-04=	*2*	
? 1885	*01*	*30m*	*Gede (Java)*	0603-06=	*2?*	
1885	01	130*p*	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
1885	01 ?	274*m*	**Tungurahua** (Ecuador)	1502-08=	2?	
1885	0104	71*m*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
? 1885	*0113?*	*?*	*Ritter Island (New Guinea-NE of)*	0501-07=		
? 1885	*0118*	*?*	*Guntur (Java)*	0603-13=		
1885	0224d	858*w*	**Merapi** (Java)	0603-25=	1	
1885	*03*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1885	*0301*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1885	0311	583*e*	**Lamongan** (Java)	0603-32=	2	
1885	0321	9*a*	**Slamet** (Java)	0603-18=	2	
1885	05	?	**Manam** (New Guinea-NE of)	0501-02=		
1885	*0502*	....	*Vesuvius (Italy)*	0101-02=	*1*	*8/8*
? 1885	*0520*	*?*	*Bam (New Guinea-NE of)*	0501-01=		
1885	0525	?	**Puracé** (Colombia)	1501-06=	3	
1885	06 ?	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1885	0621	1*a*	**Raung** (Java)	0603-34=	2	
1885	0723	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1885	0818	?	**Awu** (Sangihe Is-Indonesia)	0607-04=	2	
1885	09	31*m*	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1885	10	?	**White Island** (New Zealand)	0401-04=	2	
1885	10 <	?	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
? 1885	*10*	*?*	*Momotombo (Nicaragua)*	1404-09=	*1?*	
1885	1012?	251*w*	**Falcon Island** (Tonga-SW Pacific)	0403-05=	3	*-/8*
1885	1031	71*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1885	1112	?	**Marapi** (Sumatra)	0601-14=	2?	
1885	1121	11*a*	**Mayon** (Luzon-Philippines)	0703-03=	2	
1885	1128	<1	**Lawu** (Java)	0603-26=	1	
1885	12	?	**Pacaya** (Guatemala)	1402-11=	2	
1885	*1226*	*293m*	*Colima (México)*	1401-04=	*2*	
1886	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1886	*Cont*	....	*Falcon Island (Tonga-SW Pacific)*	0403-05=	*2*	*-/8*
1886	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1886	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1886	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1886	*Cont*	....	*Lamongan (Java)*	0603-32=	*2*	
1886	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1886	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1886	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1886	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1886	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1886	?	?	**Meru** (Africa-E)	0202-16=	0	
1886	....	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2	
1886	h	?	**Bamus** (New Britain-SW Pac)	0502-11=	3?	
1886	....	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=		
1886	....	?	**Bulusan** (Luzon-Philippines)	0703-01=	2	
1886	....	?	**Pavlof** (Alaska Peninsula)	1102-03-	2?	
1886	....	?	**Irazú** (Costa Rica)	1405-06=	2?	
1886	01	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1886	0105d	?	**Vulcano** (Italy)	0101-05=	3	
1886	0111	902*y?*	**Tungurahua** (Ecuador)	1502-08=	4	*7/-*
1886	*0122*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1886	0125	213*e*	**Semeru** (Java)	0603-30=	2	
1886	03	?	**Raoul Island** (Kermadec Is)	0402-03=	0	
1886	0331	33*a*	**Marapi** (Sumatra)	0601-14=	2	
1886	0413	15*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1886	0415	11*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1886	0425	51*a>*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1886	0518	20*a*	**Etna** (Italy)	0101-06=	3	7/6
1886	0519?	409*w?*	**Momotombo** (Nicaragua)	1404-09=	2	
1886	06	?	**Tongariro** (New Zealand)	0401-08=	2	
? 1886	*0610*	*5a?*	*White Island (New Zealand)*	0401-04=	*2*	
1886	0610	65*m*	**Okataina [Tarawera]** (New Zeal)	0401-05=	**5**	*-/9*
1886	0610	67*a*	**Gede** (Java)	0603-06=	2	
1886	07	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1886	*0708*	*246a*	*Mayon (Luzon-Philippines)*	0703-03=	*2*	
1886	0826	....	**Colima** (México)	1401-04=	3?	
1886	0831	18*a?*	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	4?	*-/8*
1886	0916	91*m?*	**White Island** (New Zealand)	0401-04=	2	
1886	*1016*	....	*Tungurahua (Ecuador)*	1502-08=	*2?*	
1886	1111	76*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1886	1231y	?	**Musuan** (Mindanao-Philippines)	0701-07=	2	
1887	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1887	*Cont*	....	*Tongariro (New Zealand)*	0401-08=	*1*	
1887	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1887	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1887	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	
1887	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
1887	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1887	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*7/-*
1887	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1887	*Cont*	....	*Momotombo (Nicaragua)*	1404-09=	*2*	
1887	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	*7/-*
1887	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1887	....	?	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
? 1887	....	*?*	*Guntur (Java)*	0603-13=		
1887	....	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	2	
1887	....	?	**Akutan** (Aleutian Is)	1101-32-	0	
1887	....	?	**Colima** (Mexico)	1401-04=	0	
1887	....	731*y*	**Izalco** (El Salvador)	1403-03=	2	
1887	0116	12*a?*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
1887	0116	159*a*	**Llaima** (Chile-C)	1507-11=	2	
1887	*0131*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1887	02	30*p*	**Semeru** (Java)	0603-30=	2	
@ **1887**	0202	3*a*	**Ritter Island** (New Guinea-NE of)	0501-07=	2	
1887	0309	....	**Mayon** (Luzon-Philippines)	0703-03=	3	
1887	0323	7*a*	**Kerinci** (Sumatra)	0601-17=	2?	
1887	*0331*	....	*Stromboli (Italy)*	0101-04=	*2?*	*4/-*
1887	05	?	**Kirishima** (Kyushu-Japan)	0802-09=	2?	
1887	0527	<1	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1887	0531	77*m*	**Etna** (Italy)	0101-06=	1	
1887	06	>3yr	**Manam** (New Guinea-NE of)	0501-02=	2	
1887	06	?	**Tokachi** (Hokkaido-Japan)	0805-05=	2	
1887	*0602*	*958m*	*Lonquimay (Chile-C)*	1507-10=	*2*	*8/-*
1887	0703a	6*a*	**Lamongan** (Java)	0603-32=	2	
1887	*08 ?*	*57m?*	*Semeru (Java)*	0603-30=	*0*	
1887	0815	686*w*	**Grimsvötn [Thordarhyrna]** (Iceland	1703-01=	2	
1887	0903	35*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1887	0910	....	**Semeru** (Java)	0603-30=	2	
? 1887	*1007*	*105a*	*Ranau (Sumatra)*	0601-251		
1887	1022	<1	**Gede** (Java)	0603-06=	2	
1887	11	103*m*	**Lamongan** (Java)	0603-32=	2	
1887	1113	1*a*	**Sundoro** (Java)	0603-21=	2	
1887	*1118*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
? 1887	*1129*	*?*	*Alamagan (Mariana Is-C Pacific)*	0804-18=		
? 1887	*1201*	*?*	*Macauley Island (Kermadec Is)*	0402-021	*0*	
1888	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1888	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	

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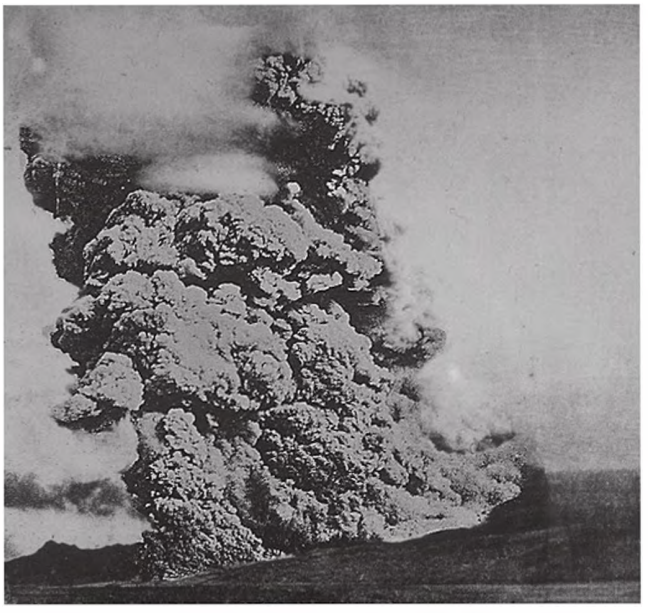
START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1896	09	?	**Vestmannaeyjar** (Iceland-S)	1702-01=		
? 1896	0901?	?	Zao (Honshu-Japan)	0803-19=	1?	
1896	0905	14a>	**Lamongan** (Java)	0603-32=	2	
? 1896	0905	14a	Azuma (Honshu-Japan)	0803-18=	1	
1896	11	44m	**Tongariro** (New Zealand)	0401-08=	2	
1896	12	334p	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1896	1221	?	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1897	Cont	....	Vesuvius (Italy)	0101-02=	2	8/8
1897	Cont	....	Stromboli (Italy)	0101-04=	1	4/-
1897	Cont	....	Etna (Italy)	0101-06=	1	
1897	Cont	....	Victory (New Guinea)	0503-03=	1	
1897	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1897	Cont	....	Kliuchevskoi (Kamchatka)	1000-26=	2	
1897	Cont	....	Colima (Mexico)	1401-04=	2	
1897	Cont	....	Izalco (El Salvador)	1403-03=	2	
1897	Cont	....	Sangay (Ecuador)	1502-09=	2	
1897	Cont	....	San José (Chile-C)	1507-02=	2	
1897	....	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
? 1897	....	365y	Bam (New Guinea-NE of)	0501-01=		
1897	....	?	**Merapi** (Java)	0603-25=	2?	
1897	....	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
1897	....	365y	**Shiveluch** (Kamchatka)	1000-27=	2	
1897	....	?	**Cleveland** (Aleutian Is)	1101-24-		
? 1897	....	?	Shishaldin (Aleutian Is)	1101-36-		
1897	....	?	**Santiago** (Galapagos)	1503-09=	0	
@ 1897	....	?	**Grímsvötn** (Iceland-NE)	1703-01=	2	
1897	01	86m>	**Tupungatito** (Chile-C)	1507-01=	2	
1897	0101	2a	**Semeru** (Java)	0603-30=	2	
1897	0105d	19d	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
? 1897	0114	<1	Zao (Honshu-Japan)	0803-19=	1?	
1897	0224d	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1897	0326e	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2?	
1897	04	?	**Raung** (Java)	0603-34=	2	
1897	05 <	?	**Barrier, The** (Africa-E)	0202-03=	2?	
1897	0503	124a	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1897	0516?	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
1897	0523<	61a>	Mayon (Luzon-Philippines)	0703-03=	0	-/7
1897	0525?	>3yr	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	2	
1897	0604	....	Mayon (Luzon-Philippines)	0703-03=	2	-/7
1897	0624	3a	**Kilauea** (Hawaiian Is)	1302-01-	0	
1897	0625	....	**Mayon** (Luzon-Philippines)	0703-03=	4?	-/7
1897	0708	39a	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	
1897	0907	17a	**Gamalama** (Halmahera-Indonesia)	0608-06=	1	
1897	0921	?	**Jolo** (Sulu Is-Philippines)	0700-01=	0	
1897	1101	>3yr	Doña Juana (Colombia)	1501-07=	2	
1897	1201p	64r	**Villarrica** (Chile-C)	1507-12=	2	
1898	Cont	....	Vesuvius (Italy)	0101-02=	2	8/8
1898	Cont	....	Etna (Italy)	0101-06=	1	
? 1898	Cont	....	Bam (New Guinea-NE of)	0501-01=		
1898	Cont	....	Victory (New Guinea)	0503-03=	1	
1898	Cont	....	Kuwae [Karua] (Vanuatu-SW Pac)	0507-07=	2	
1898	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1898	Cont	....	Shiveluch (Kamchatka)	1000-27=	2	
1898	Cont	....	Colima (Mexico)	1401-04=	2	
1898	Cont	....	Izalco (El Salvador)	1403-03=	2	
1898	Cont	....	Sangay (Ecuador)	1502-09=	2	
1898	Cont	....	Villarrica (Chile-C)	1507-12=	2	
1898	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
1898 ?	....	?	**Santa Isabel** (Africa-W)	0204-004		
1898	....	?	**Ulawun** (New Britain-SW Pac)	0502-12=	3	
1898	....	?	**Changbaishan** (China-E)	1005-06-	2?	
? 1898	....	?	Xianjindao (Korea)	1006-01-		
1898	....	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1898	....	196y?	**Lascar** (Chile-N)	1505-10=	2	
1898	....	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
1898	01	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1898	0114	6a	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1898	0205	10a	**Lamongan** (Java)	0603-32=	2	
1898	0208	31	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1898	0220	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1898	0223	?	**Semeru** (Java)	0603-30=	2	
1898	0326	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	1?	
1898	04	91q	**Mutnovsky** (Kamchatka)	1000-06=	2	-/6
? 1898	0405	?	St. Helens (US-Washington)	1201-05-		
1898	0408	>3yr	**Reventador** (Ecuador)	1502-01=	3	
1898	0502	791w?	**Colo [Una Una]** (Sulawesi-Indonesia)	0606-01=	3?	-/7
1898	0514	14a?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1898	0603	51a?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2?	
1898	08 ?	243p>	**Aso** (Kyushu-Japan)	0802-11=	2	
1898	0824	....	Stromboli (Italy)	0101-04=	2	4/-
1898	0906	....	Doña Juana (Colombia)	1501-07=	2	
? 1898	1108	?	Atlin Volc Field (Canada)	1200-03-		
1898	1126	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1898	1203?	3a?	**Nipesotsu-Maruyama** (Hokkaido)	0805-061	2	-/6
1898	1226	4a	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1898	1229	>3yr	**Poás** (Costa Rica)	1405-04=	1	
1899	Cont	....	Vesuvius (Italy)	0101-02=	2	8/8
1899	Cont	....	Stromboli (Italy)	0101-04=	1	4/-
1899	Cont	....	Victory (New Guinea)	0503-03=	1	
1899	Cont	....	Kuwae [Karua] (Vanuatu-SW Pac)	0507-07=	2	
1899	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1899	Cont	....	Colo [Una Una] (Sulawesi-Indonesia)	0606-01=	2	-/7
1899	Cont	....	Aso (Kyushu-Japan)	0802-11=	2	
1899	Cont	....	Colima (Mexico)	1401-04=	2	
1899	Cont	....	Poás (Costa Rica)	1405-04=	1	
1899	Cont	....	Reventador (Ecuador)	1502-01=	2	
1899	Cont	....	Sangay (Ecuador)	1502-09=	2	
1899	Cont	....	Láscar (Chile-N)	1505-10=	2	
1899	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
1899 a	....	?	**Manam** (New Guinea-NE of)	0501-02=	2?	
1899	....	?	**Bagana** (Bougainville-SW Pacific)	0505-02=		
1899	....	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
? 1899 ?	....	?	Kasatochi (Aleutian Is)	1101-13-		
1899	....	?	**Okmok** (Aleutian Is)	1101-29-	3	
? 1899	....	?	Shishaldin (Aleutian Is)	1101-36-		
1899	....	?	**Puracé** (Colombia)	1501-06=	2	
1899	0112	?	**Buckle Island** (Antarctica)	1900-01=	2	
1899	0117	73a?	**Semeru** (Java)	0603-30=	2	
1899	02	?	**Nyamuragira** (Africa-C)	0203-02=	1	
1899	0213	155a>	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? 1899	03	30p	Sirung (Lesser Sunda Is)	0604-27=	2	
1899	0311	?	**Asama** (Honshu-Japan)	0803-11=	2	
1899	0501	13a	**Gede** (Java)	0603-06=	2	
1899	0602	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
1899	0701	22a	**Mauna Loa** (Hawaiian Is)	1302-02=	1	7/-
1899	0710	28a	**Asama** (Honshu-Japan)	0803-11=	2	
1899	0719	17	**Etna** (Italy)	0101-06=	3	
1899	0728	203a	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1899	0811	?	**Semeru** (Java)	0603-30=	2	
1899	0824	80a	**Adatara** (Honshu-Japan)	0803-17=	2	
1899	0903	?	**Wrangell** (Alaska-E)	1105-02-	2?	
? 1899	0924	1a	Sakura-jima (Kyushu-Japan)	0802-08=	1?	
1899	1113	....	**Doña Juana** (Colombia)	1501-07=	4	
1899	1115	>3yr	Etna (Italy)	0101-06=	1	
1899	1122	7a	**Negro, Cerro** (Nicaragua)	1404-07=	2	-/6
1899	12	?	**Semeru** (Java)	0603-30=	2	
1899	1231	75m	**Izalco** (El Salvador)	1403-03=	2	

1900

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1900	Cont	....	Etna (Italy)	0101-06=	1	
1900	Cont	....	Victory (New Guinea)	0503-03=	1	
1900	Cont	....	Kuwae [Karua] (Vanuatu-SW Pac)	0507-07=	2	
1900	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1900	Cont	....	Colo [Una Una] (Sulawesi-Indonesia)	0606-01=	2	-/7
1900	Cont	....	Kirishima (Kyushu-Japan)	0802-09=	2	
1900	Cont	....	Colima (Mexico)	1401-04=	2	
1900	Cont	....	Izalco (El Salvador)	1403-03=	2	



A. Lacroix (Museum of Natural History, Paris)

A pyroclastic flow, smaller but similiar to the one that destroyed the city of St. Pierre on Martinique on May 8, 1902, sweeps down the flanks of Mount Pelée volcano on December 16, 1902. A towering column of ash and steam rises above the advancing pyroclastic flow, which was formed by collapse of gas-rich rocks on a growing lava dome in the summit crater.

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1904	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1904	*Cont*	....	*Pelée (W Indies)*	1600-12=	*2*	
1904	*Cont*	....	*Grímsvötn [Thordarhyrna] (Iceland*	1703-01=	*2*	*8/-*
1904	....	?	**Lengai, Ol Doinyo** (Africa-E]	0202-12=	0	
1904	....	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
1904	....	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1904	....	?	**Kanlaon** (Philippines-C)	0702-02=	2	
1904	....	?	**Tolbachik** (Kamchatka)	1000-24=	2	
1904	....	?	**Kanaga** (Aleutian Is)	1101-11-	0	
? 1904	....	*?*	*Great Sitkin (Aleutian Is)*	1101-12-		
? 1904	....	*?*	*Iskut-Unuk River Cones (Canada)*	1200-09-		
1904	....	730*y*	**Colima** (Mexico)	1401-04=	1?	
1904	....	881*w*	**Santiago** (Galapagos)	1503-09=	0	
1904	....	?	**Villarrica** (Chile-C)	1507-12=	2	
1904	0102	14*a*	**Semeru** (Java)	0603-30=	2	
1904	0112	14*a?*	**Santa Ana** (El Salvador)	1403-02=	2	
1904	*0130*	....	*Merapi (Java)*	0603-25=	*2*	*6/6*
1904	0131p	134*p>*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1904	0225	50*m*	**Karthala** (Indian O.-W)	0303-01=	2	
1904	*0319*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1904	04	31*m?*	**Nyamuragira** (Africa-C)	0203-02=	2	7/7
1904	04	91*n*	**Taal** (Luzon-Philippines)	0703-07=	1	
1904	0402	85*a>*	**Mutnovsky** (Kamchatka)	1000-06=	2	
1904	0417	<1	**Banua Wuhu** (Sangihe Is-Indonesia)	0607-03=	2	
1904	0418	<1	**Marapi** (Sumatra)	0601-14=	1	
1904	0422	395*a*	**Ruang** (Sangihe Is-Indonesia)	0607-01=	3?	6/-
1904	0430p	?	**Manam** (New Guinea-NE of)	0501-02=		
1904	05	31*p*	**Masaya** (Nicaragua)	1404-10=	2	
1904	0603	?	**Teon** (Banda Sea)	0605-05=	2	
1904	*07*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1904	0714	26*a*	**Slamet** (Java)	0603-18=	2	
1904	0804	<1	**Asama** (Honshu-Japan)	0803-11=	2	
1904	*0809*	*435a>*	*Lolobau (New Britain-SW Pac)*	0502-13=	*2*	
1904	0819	59*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1904	*0822*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1904	0827	?	**Banua Wuhu** (Sangihe Is-Indonesia)	0607-03=	2	
1904	1004<	?	**Mahawu** (Sulawesi-Indonesia)	0606-11=	2	
1904	1026	**<1**	**Manam** (New Guinea-NE of)	0501-02=	3?	
? 1904	*1101r*	*?*	*Erta Ale (Ethiopia)*	0201-08=	*2*	
1904	1114	183*a?*	**Fukutoku-Okanoba** (Volcano Is-Japan	0804-13=	3	8/8
1904	1114	....	**Cotopaxi** (Ecuador)	1502-05=	3	
1904	1122	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1905	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/8*
1905	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1905	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1905	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1905	*Cont*	....	*Ruang (Sangihe Is-Indonesia)*	0607-01=	*2*	*6/-*
1905	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*2*	*8/8*
1905	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1905	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1905	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1905	*Cont*	....	*Doña Juana (Colombia)*	1501-07=	*2*	
1905	*Cont*	....	*Reventador (Ecuador)*	1502-01=	*2*	
1905	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1905	*Cont*	....	*Santiago (Galapagos)*	1503-09=	*0*	
1905	*Cont*	....	*Pelée (W Indies)*	1600-12=	*2*	
1905	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
1905	....	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1905	....	....	**Lolobau** (New Britain-SW Pac)	0502-13=	**P**	
1905	....	?	**Dempo** (Sumatra)	0601-23=	0	
1905	....	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
? 1905	....	*?*	*Asama (Honshu-Japan)*	0803-11=		
1905	....	?	**Zao** (Honshu-Japan)	0803-19=	1?	
1905	....	?	**Shiveluch** (Kamchatka)	1000-27=		
1905	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1905 ?	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	2	
L **1905** ?	....	?	**Penguin Island** (Antarctica)	1900-031		
1905	01	137*m*	**Merapi** (Java)	0603-25=	2	-/6
? 1905	*01*	*?*	*Socorro (Mexico-Is)*	1401-021	*2?*	
1905	0116	5*a*	**Momotombo** (Nicaragua)	1404-09=	2	-/6
1905	0215	1*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1905	0218	5*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1905	0222	417*m*	**Kilauea** (Hawaiian Is)	1302-01-	0	
1905	*0225*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1905	0521	<1	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1905	*0608*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1905	0617	<1	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1905	0722	65*a>*	**Nyamuragira** (Africa-C)	0203-02=	2	7/7
1905	0804	>3yr	**Savai'i** (Samoa-SW Pacific)	0404-04=	2	**9**/6
1905	0804	?	**Semeru** (Java)	0603-30=	2	
1905	0819	13*a?*	**Komaga-take** (Hokkaido-Japan)	0805-02=	2	
1905	*0927*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1905	10	16*m*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	
1905	1028	2*a*	**Maipo** (Chile-C)	1507-021	2	
1905	11	<1	**Inielika** (Lesser Sunda Is)	0604-09=	2	
1905	1101	?	**Marapi** (Sumatra)	0601-14=	2?	
1905	1106	71*a>*	**Kanlaon** (Philippines-C)	0702-02=	2	

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1906	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1906	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1906	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1906	*Cont*	....	*Kanlaon (Philippines-C)*	0702-02=	*2*	
1906	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
1906	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1906	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1906	*Cont*	....	*Doña Juana (Colombia)*	1501-07=	*2*	
1906	*Cont*	....	*Reventador (Ecuador)*	1502-01=	*2*	
1906	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1906	*Cont*	....	*Santiago (Galapagos)*	1503-09=	*0*	
? 1906	....	*?*	*Barrier, The (Africa-E)*	0202-03=		
? 1906	....	*?*	*Nyamuragira (Africa-C)*	0203-02=	*1*	
1906	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
? 1906	....	*365y*	*Kuchinoerabu-jima (Ryukyu Is)*	0802-05=		
1906	....	?	**Asuncion** (Mariana Is-C Pacific)	0804-15=	2	
1906	....	?	**Nemo Peak** (Kuril Is)	0900-32=	2	
1906	....	*>3yr*	*Pavlof (Alaska Peninsula)*	1102-03-	*2?*	
1906	....	?	**Purace** (Colombia)	1501-06=	2	
1906	....	?	**Azul, Cerro** (Chile-C)	1507-06=	2	
1906	....	?	**Calbuco** (Chile-S)	1508-02=	2	
1906	....	365*y*	**Huequi** (Chile-S)	1508-03=	2	
1906	01	30*p*	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
1906	0102	7*a>*	**Masaya** (Nicaragua)	1404-10=	2	
1906	0105	....	**Etna** (Italy)	0101-06=	2	
1906	*0119*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1906	*0126e*	*387e*	*Merapi (Java)*	0603-25=	*1*	*7/6*
1906	0221	<1	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1906	0228	....	**Merapi** (Java)	0603-25=	2	7/6
1906	03	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1906	03	?	**Fonualei** (Tonga-SW Pacific)	0403-10=		
1906	*0301p*	*550p*	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*6/8*
1906	0315	?	**Ruapehu** (New Zealand)	0401-10=	2	
1906	0406	<1	**Asama** (Honshu-Japan)	0803-11=	2	
1906	0407	7*a*	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	1	
1906	0408	....	**Vesuvius** (Italy)	0101-02=	4?	8/8
1906	0422	245*m*	**Villarrica** (Chile-C)	1507-12=	2	
1906	0429	?	**Rinjani** (Lesser Sunda Is)	0604-03=	1?	
1906	05	?	**Erta Ale** (Ethiopia)	0201-08=	0	
1906	05	?	**Kanaga** (Aleutian Is)	1101-11-		
1906	0607	?	**Aso** (Kyushu-Japan)	0802-11=	3	
1906	0617	90*m*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1906	*0711*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1906	0806	131*m*	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
1906	0821	29*a*	**Cotopaxi** (Ecuador)	1502-05=	2	
1906	0922	89*a*	**Sundoro** (Java)	0603-21=	2	
1906	0925	235*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1906	10	?	**Ubinas** (Perú)	1504-02=	2	
1906	12	?	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
1906	1202	>3yr	**Kilauea** (Hawaiian Is)	1302-01-	0	
1907	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1907	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1907	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1907	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1907	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/6*
? 1907	*Cont*	....	*Kuchinoerabu-jima (Ryukyu Is)*	0802-05=		
1907	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2?*	
1907	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1907	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1907	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1907	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1907	*Cont*	....	*Huequi (Chile-S)*	1508-03=	*2*	
1907 c	....	>3yr	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	0	
? 1907	....	*?*	*Manam (New Guinea-NE of)*	0501-02=		
1907	....	?	**Langila** (New Britain-SW Pac)	0502-01=	2	
1907	....	?	**Kaba** (Sumatra)	0601-22=	2	
1907	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
? 1907	....	*?*	*Kiska (Aleutian Is)*	1101-02-	*2?*	
1907	....	?	**Korovin** (Aleutian Is)	1101-161		
1907	....	?	**Makushin** (Aleutian Is)	1101-31-		
1907	....	?	**Akutan** (Aleutian Is)	1101-32-		
1907	....	?	**Ubinas** (Perú)	1504-02=	2	
1907	....	?	**Chillán, Nevados de** (Chile-C)	1507-07=	1	
1907	....	257*m*	**Llaima** (Chile-C)	1507-11=	2	
1907	....	?	**San Jorge** (Azores)	1802-03=	0	
1907	0107	3*a*	**Semeru** (Java)	0603-30=	2	
1907	0109	15*a>*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1907	*0111*	....	*Stromboli (Italy)*	0101-04=	*2*	*4/-*
1907	0118	69*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1907	02	91*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1907	0215	?	**Tupungatito** (Chile-C)	1507-01=	2	
1907	0328?	?	**Ksudach** (Kamchatka)	1000-05=	**5**	**-/9**
1907	04	31*m*	**Nyamuragira** (Africa-C)	0203-02=	1	
? 1907	*0401<*	*?*	*Wrangell (Alaska-E)*	1105-02-		
1907	0401	?	**Monaco Bank** (Azores)	1802-11=	0	
1907	0409	311*m>*	**Carrán-Los Venados** (Chile-C)	1507-14=	3	
1907	0422	?	**Calbuco** (Chile-S)	1508-02=	2?	

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Yuri Doubik (Inst. Volc. Kamchatka)

One of the largest 20th-century eruptions in Kamchatka took place in March 1907 from Stubel Crater (center) within the Ksudach caldera. Plinian explosions depositing 1.5 km³ of ash as far as 1000 km to the NNE were followed by a laterally directed explosion accompanying destruction of the Stubel cone. The eruption formed a chain of three craters and lowered the height of Stubel cone by about 650 m.

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1907	*0427*	....	*Stromboli (Italy)*	0101-04=	*3*	*4/-*
1907	0505d	*21d?*	**Villarrica** (Chile-C)	1507-12=	2	
1907	06	*50m>*	**Alayta** (Ethiopia)	0201-112	2	
1907	06	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1907	0605	*20a?*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1907	07	?	**Unnamed** (Tonga-SW Pacific)	0403-01=	0	
1907	0709<	?	**Semeru** (Java)	0603-30=	2	
1907	0728	?	**Azul, Cerro** (Chile-C)	1507-06=	2	
1907	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1907	0824	<1	**Asama** (Honshu-Japan)	0803-11=	2	
1907	0828	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
? 1907	*0828*	*?*	*Hood (US-Oregon)*	1202-01-		
1907	09	>3yr	**Concepción** (Nicaragua)	1404-12=	2	
1907	0901	....	**Bogoslof** (Aleutian Is)	1101-30-	3	6/8
1907	0928	*32a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	3	
1907	11	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1907	11	?	**Bam** (New Guinea-NE of)	0501-01=	2	
1907	11	?	**Telica** (Nicaragua)	1404-04=	2	
1907	1107	*28a*	**Nyamuragira** (Africa-C)	0203-02=	3	
1907	1117	*3a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1907	1129	*6d*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1907	1208	*541a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1907	1212	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1907	1214	*61a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1907	1217	*272m*	**Marapi** (Sumatra)	0601-14=	2?	
1908	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*0*	
1908	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1908	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1908	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1908	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1908	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
1908	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	
1908	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2?*	
1908	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1908	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	
1908	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1908	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1908	*Cont*	....	*Llaima (Chile-C)*	1507-11=	*2*	
1908	*Cont*	....	*Carran-Los Venados (Chile-C)*	1507-14=	*3*	
1908	....	?	**Nyamuragira** (Africa-C)	0203-02=		
? 1908	....	*?*	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
? 1908	....	*?*	*Lolobau (New Britain-SW Pac)*	0502-13=		
1908	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2?	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1908	....	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
1908	....	?	**Merapi** (Java)	0603-25=	1?	
1908	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
? 1908	....	*?*	*Augustine (Alaska-SW)*	1103-01-		
1908	....	>3yr	**Cotopaxi** (Ecuador)	1502-05=	1	
? 1908	....	*?*	*Guallatiri (Chile-N)*	1505-02=		
? 1908	....	*?*	*Maipo (Chile-C)*	1507-021	*2*	
1908 a	....	?	**Reclus** (Chile-S)	1508-063	1?	
1908	01	*335p*	**Semeru** (Java)	0603-30=	2	
? 1908	*0115q*	*?*	*Bogoslof (Aleutian Is)*	1101-30-		
1908	0117	*12a?*	**Aso** (Kyushu-Japan)	0802-11=	2	
1908	0213?	*6a?*	**Asama** (Honshu-Japan)	0803-11=	2	
1908	0216	*1a*	**Dempo** (Sumatra)	0601-23=	2	
1908	0222	?	**Akutan** (Aleutian Is)	1101-32-	0	
1908	03	*245p*	**Erebus** (Antarctica)	1900-02=	2	
1908	0429	*2a*	**Etna** (Italy)	0101-06=	2	6/5
1908	0520	*496a*	**Etna** (Italy)	0101-06=	2	
1908	06	*365p*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1908	0712	?	**Bam** (New Guinea-NE of)	0501-01=	2	
1908	0715	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	2?	
1908	0805	*49a*	**Asama** (Honshu-Japan)	0803-11=	2	
1908	10	*259w?*	**Kerinci** (Sumatra)	0601-17=	2	
1908	1001	<1	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1908	1031	*42a?*	**Villarrica** (Chile-C)	1507-12=	2	
? 1908	*11*	*?*	*Zavodovski (Antarctica)*	1900-13=	*1*	
? 1908	*1128*	*8a?*	*White Island (New Zealand)*	0401-04=	*2*	
? 1908	*1201p*	*?*	*Nyiragongo (Africa-C)*	0203-03=		
1908	1218	*195p*	**Colima** (Mexico)	1401-04=	3	
1909	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1909	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*0*	
1909	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1909	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1909	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1909	*Cont*	....	*Kerinci (Sumatra)*	0601-17=	*2*	
1909	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*2*	
1909	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	
1909	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2?*	
1909	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1909	*Cont*	....	*Colima (Mexico)*	1401-04=	*2*	
1909	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	
1909	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1909	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1909	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1909	....	>3yr	**Manam** (New Guinea-NE of)	0501-02=	2	
? 1909	....	?	*Banahaw (Luzon-Philippines)*	0703-05=		
1909	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	2	
? 1909	....	?	*Irazú (Costa Rica)*	1405-06=	2	
1909	....	?	**Fogo** (Cape Verde Is)	1804-01=		
1909	0108	503*a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1909	*0111*	*101a*	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*2*	*7/-*
1909	0112	2*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1909	0129	>3yr	**Asama** (Honshu-Japan)	0803-11=	1	-/5
1909	0201	>3yr	**Merapi** (Java)	0603-25=	1	6/-
1909	03	123*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1909	03	?	**Calbuco** (Chile-S)	1508-02=	2	
1909	0330	....	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	3	7/-
1909	04	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1909	04	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1909	*0412*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*3*	*7/-*
1909	0419	147*a*	**Bam** (New Guinea-NE of)	0501-01=	2	
1909	0428	48*m?*	**Cameroon** (Africa-W)	0204-01=	2	6/-
1909	05	15*a*	**Nyamuragira** (Africa-C)	0203-02=	1?	
1909	0502	<1	**Gede** (Java)	0603-06=	1	
1909	0513	?	**White Island** (New Zealand)	0401-04=	2	
1909	06	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1909	0603	43*m*	**Sumbing** (Sumatra)	0601-18=	2	
? 1909	*0628*	?	*Ambrym (Vanuatu-SW Pacific)*	0507-04=		
? 1909	*07*	?	*Bagana (Bougainville-SW Pacific)*	0505-02=		
1909	08	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
1909	08	?	**Avachinsky** (Kamchatka)	1000-10=	2	-/6
1909	0819	317*w*	**Villarrica** (Chile-C)	1507-12=	2	
1909	09	187*m*	**Semeru** (Java)	0603-30=	2	
1909	*09*	*369m*	*Bogoslof (Aleutian Is)*	1101-30-	*1*	
1909	1109	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1909	1118	9*a*	**Tenerife** (Canary Is)	1803-03-	2	7/-
1909	1130	2*a*	**Rinjani** (Lesser Sunda Is)	0604-03=	2	
1910	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*0*	
1910	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1910	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1910	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1910	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1910	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*6/-*
1910	*Cont*	....	*Lewotobi (Lesser Sunda Is)*	0604-18=	*2*	
1910	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1910	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2?*	
1910	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1910	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1910	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1910	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1910	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1910	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*2*	
M 1910 t	....	?	**Emuruangogolak** (Africa-E)	0202-051	0	
A 1910 j	....	?	**Simbo** (Solomon Is-SW Pacific)	0505-05=		
1910	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	0?	
1910	....	?	**Marapi** (Sumatra)	0601-14=	2?	
1910	....	?	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	
? 1910	....	?	*Avachinsky (Kamchatka)*	1000-10=		
1910	....	?	**Grimsvötn** (Iceland-NE)	1703-01=		
1910	01	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
? 1910	*01*	?	*Medicine Lake (US-California)*	1203-02-	*1?*	
1910	0118	3*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1910	*0120*	....	*Semeru (Java)*	0603-30=	*2*	
1910	0125	20*m*	**Poás** (Costa Rica)	1405-04=	2	-/5
1910	0221	<1	**Etna** (Italy)	0101-06=	1	
1910	03	16*m*	**Karthala** (Indian O.-W)	0303-01=	1	
1910	03	16*m*	**Heard** (Indian O.-S)	0304-01=	2	
1910	03	?	**Burney, Monte** (Chile-S)	1508-07=	2	
1910	0323	26*a*	**Etna** (Italy)	0101-06=	2	7/5
1910	0403	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1910	0407	39*m*	**Tangkubanparahu** (Java)	0603-09=	2	
1910	0410	?	**Ebulobo** (Lesser Sunda Is)	0604-10=	2	
1910	*05*	*>3yr*	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1910	0618	120*m*	**Bárdarbunga** (Iceland-NE)	1703-03=	2	
1910	0724	1*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1910	0725	113*m*	**Usu** (Hokkaido-Japan)	0805-03=	2	-/6
1910	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1910	0912	32*a*	**Poás** (Costa Rica)	1405-04=	1	
1910	0918	....	**Bogoslof** (Aleutian Is)	1101-30-	2	
1910	10	91*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1910	1026	57*a*	**Meru** (Africa-E)	0202-16=	2	
1910	1111	19*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1910	1115 q	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1910	1116	26*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1910	1116	90*m*	**Semeru** (Java)	0603-30=	2	
1910	12	10*a?*	**Oshima** (Izu Is-Japan)	0804-01=	1	-/4
1910	1227	52*a*	**Etna** (Italy)	0101-06=	2	
1911	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1911	*Cont*	....	*Tongariro [Ngauruhoe] (New Zeal)*	0401-08=	*2*	
1911	*Cont*	....	*Savai'i (Samoa-SW Pacific)*	0404-04=	*1*	*9/6*
1911	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1911	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1911	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1911	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*6/-*
1911	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1911	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1911	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1911	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1911	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1911	....	>3yr	**Pago** (New Britain-SW Pac)	0502-08=	3	
1911	....	365*y*	**Lolobau** (New Britain-SW Pac)	0502-13=	4	8/8
1911	....	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2?	
1911	....	365*y*	**Aso** (Kyushu-Japan)	0802-11=	*2*	
1911	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
1911	....	?	**Akutan** (Aleutian Is)	1101-32-	2	
1911	....	365*y*	**Calbuco** (Chile-S)	1508-02=	2	
1911	*0127*	*12a*	*Taal (Luzon-Philippines)*	0703-07=	*2*	*-/7*
1911	0130	....	**Taal** (Luzon-Philippines)	0703-07=	3	-/7
1911	0213	17*a*	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
? 1911	*0307*	?	*Matutum (Mindanao-Philippines)*	0701-02=		
1911	0307	?	**Monaco Bank** (Azores)	1802-11=	1	
1911	04	60*p*	**Erebus** (Antarctica)	1900-02=	2	
1911	0414	518*a?*	**Wrangell** (Alaska-E)	1105-02-	1	
1911	0506	109*a?*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1911	08	42*d*	**Etna** (Italy)	0101-06=	2	
1911	08	61*p*	**Nyiragongo** (Africa-C)	0203-03=	1	
1911	08	?	**Unnamed** (Tonga-SW Pacific)	0403-03=	0	
1911	0830	2*a*	**Ibu** (Halmahera-Indonesia)	0608-03=	2	
1911	09	?	**San Pedro** (Chile-N)	1505-07=	2	
1911	0902	4*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	1	
1911	0910	12*a*	**Etna** (Italy)	0101-06=	1	7/6
? 1911	*0930*	?	*Campi Flegrei Mar Sicilia (Italy)*	0101-07=	*1?*	
1911	10	?	**Erebus** (Antarctica)	1900-02=	2	
1911	11	166*p*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1911	11	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1911	1102	?	**Marapi** (Sumatra)	0601-14=	2?	
1911	1106	?	**Candlemas Island** (Antarctica)	1900-10=	2	
1911	*1108*	*37m*	*Semeru (Java)*	0603-30=	*2*	
1911	1115	....	**Semeru** (Java)	0603-30=	3	
1911	1206	....	**Pavlof** (Alaska Peninsula)	1102-03-	3	
1911	1231y	?	**Negra, Sierra** (Galápagos)	1503-05=		
1912	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1912	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1912	*Cont*	....	*Lolobau (New Britain-SW Pac)*	0502-13=	*4*	*8/8*
1912	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1912	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1912	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*6/-*
1912	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*2*	
1912	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
1912	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1912	*Cont*	....	*Wrangell (Alaska-E)*	1105-02-	*1*	
1912	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1912	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*2*	
1912	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1912	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1912	*Cont*	....	*Calbuco (Chile-S)*	1508-02=	*2*	
1912	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=		
1912	....	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
? 1912	....	?	*Makushin (Aleutian Is)*	1101-31-		
? 1912	....	?	*Akutan (Aleutian Is)*	1101-32-		
? 1912	....	?	*Shishaldin (Aleutian Is)*	1101-36-		
1912	....	?	**Maipo** (Chile-C)	1507-021	2?	
1912	....	?	**Llaima** (Chile-C)	1507-11=	2	
1912 e	....	?	**Deception Island** (Antarctica)	1900-03=	3?	
1912	01	?	**Karymsky** (Kamchatka)	1000-13=	2	
1912	0116	>3yr	**Izalco** (El Salvador)	1403-03=	2	
1912	02	30*p*	**Reventador** (Ecuador)	1502-01=	3	
1912	02	?	**Azul, Cerro** (Chile-C)	1507-06=	2	
1912	0211	217*m?*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1912	0223	340*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	7/5
1912	04	?	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1912	04	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
1912	0429	?	**Hunga Tonga-Hunga Ha'apai**	0403-04=	2	
1912	0606	45*a>*	**Katmai** (Alaska Peninsula)	1102-17-	3	-/7
1912	0606	131*m?*	**Novarupta** (Alaska Peninsula)	1102-18-	6	7/10
1912	0614	?	**Rincón de la Vieja** (Costa Rica)	1405-02=	3	
1912	*0722*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
1912	0804	14*k*	**Etna** (Italy)	0101-06=	3	
1912	0828	?	**Semeru** (Java)	0603-30=	2	
1912	1015e	3*a*	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
1912	*1025*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
1912	1203	132*m*	**Nyamuragira** (Africa-C)	0203-02=	3	7/7
1912	1212	?	**Erebus** (Antarctica)	1900-02=	2	
1913	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1913	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*2*	*7/7*
1913	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1913	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1913	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1913	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1913	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1913	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	*7/5*
1913	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1913	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	
1913	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1913	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1913	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1913	....	?	**Bam** (New Guinea-NE of)	0501-01=		
1913	....	....	*Merapi (Java)*	0603-25=	*0*	*6/-*
? 1913	....	*?*	*Babuyan Claro (Luzon-N of)*	0704-03=	*2*	
1913	....	?	**Guallatiri** (Chile-N)	1505-02=	*?*	
1913	....	?	**Isluga** (Chile-N)	1505-03=	2	
1913	01	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1913	01	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
? 1913	*0115q*	*?*	*Azul, Cerro (Chile-C)*	1507-06=	*2?*	
1913	*0117*	*7a*	*Colima (Mexico)*	1401-04=	*2?*	
1913	0120	....	**Colima** (Mexico)	1401-04=	**5**	**-/9**
1913	0127	<1	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
? 1913	*0306*	*?*	*Andahua-Orcopampa (Perú)*	1504-004		
1913	0314	<1	**Awu** (Sangihe Is-Indonesia)	0607-04=	2	
1913	04	107*p*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1913	0425	23*a*	**Hekla [Mundafit, Lambafit]** (Icel.)	1702-07=	2	
1913	05	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1913	0510	219*m*	**Raung** (Java)	0603-34=	2	
1913	0623	38*a*	**Marapi** (Sumatra)	0601-14=	2?	
1913	0623	3*a?*	**Semeru** (Java)	0603-30=	2	
? 1913	*07*	*?*	*Bogoslof (Aleutian Is)*	1101-30-		
1913	*0705*	*>3yr*	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1913	0710	24*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1913	0712	?	**Masaya** (Nicaragua)	1404-10=	1?	
1913	09	?	**Trident** (Alaska Peninsula)	1102-16-	1	
1913	0901?	134*a?*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1913	*1014*	*261w*	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
1913	1108	61*a*	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1913	1113	>3yr	**Etna** (Italy)	0101-06=	2	
1913	1206	....	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	3	
1914	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1914	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1914	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1914	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1914	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1914	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1914	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
1914	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1914	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	
1914	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1914	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1914	*Cont*	....	*Cotopaxi (Ecuador)*	1502-05=	*1*	
1914	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1914	....	?	**Tanaga** (Aleutian Is)	1101-08-	0	
1914	....	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2	
1914	01	?	**Nakano-shima** (Ryukyu Is)	0802-04=	1	
1914	0105	?	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2?	
1914	0112	488*m*	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	**9**/8
1914	0113	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1914	0113	220*a>*	**Fukutoku-Okanoba** (Volcano Is-Japan	0804-13=	3	**-/9**
1914	0128	17*m*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1914	0208	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	2	
? 1914	*0213*	*?*	*Kikai (Ryukyu Is)*	0802-06=		
? 1914	*0221*	*?*	*Irazú (Costa Rica)*	1405-06=		
? 1914	*0321*	*?*	*Suwanose-jima (Ryukyu Is)*	0802-03=		
1914	0515	11*a*	**Oshima** (Izu Is-Japan)	0804-01=	2	7/6
1914	0529	255*p*	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1914	*0530*	*>3yr*	*Lassen Volc Center (US-California)*	1203-08-	*2*	
1914	0530	?	**Poás** (Costa Rica)	1405-04=	2	
1914	0531	?	**Tandikat** (Sumatra)	0601-15=	1	
1914	0604	<1	**Goriaschaia Sopka** (Kuril Is)	0900-17=	2	
1914	0629	?	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1914	0701	?	**Marapi** (Sumatra)	0601-14=	2?	
1914	0703	?	**Llaima** (Chile-C)	1507-11=	2	
1914	0706	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1914	0815*x*	319*x*	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	0	
1914	09	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1914	0908	?	**Azul, Cerro** (Chile-C)	1507-06=	3	
1914	1008	219*a>*	**Poás** (Costa Rica)	1405-04=	2	
1914	1028	6*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	-/6
1914	1108	?	**Kirishima** (Kyushu-Japan)	0802-09=		
1914	1112	34*a*	**Asama** (Honshu-Japan)	0803-11=	2	
? 1914	*1112*	*2a*	*Azuma (Honshu-Japan)*	0803-18=	*1*	
1914	1125	47*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1915	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1915	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1915	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*0*	
1915	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1915	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1915	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1915	*Cont*	....	*Ruang (Sangihe Is-Indonesia)*	0607-01=	*2*	
1915	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	*9/8*
1915	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1915	*Cont*	....	*Mauna Loa (Hawaiian Is)*	1302-02=	*0*	*7/-*
1915	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1915	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*2*	
1915	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1915	....	?	**Alayta** (Ethiopia)	0201-112	2	
? 1915 a	....	*?*	*Aoba (Vanuatu-SW Pacific)*	0507-03=		
1915 a	....	?	**Semeru** (Java)	0603-30=	2?	
? 1915	....	*?*	*Ragang (Mindanao-Philippines)*	0701-06=	*2?*	
1915	....	?	**Karymsky** (Kamchatka)	1000-13=	*?*	
M **1915** s	....	?	**Southern EPR-Segment I** (Pacific)	1304-14-	0	8/-
1915	....	>3yr	**Villarrica** (Chile-C)	1507-12=	1	
1915	01	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1915	02	14*m*	**Yake-dake** (Honshu-Japan)	0803-07=	2?	
1915	02	151*p*	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
1915	0204	68*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
? 1915	*0205*	*?*	*Arenal (Costa Rica)*	1405-033	*2?*	
1915	0322	?	**Erebus** (Antarctica)	1900-02=	2	
1915	0328	48*a*	**Merapi** (Java)	0603-25=	1	
1915	04	?	**Ulawun** (New Britain-SW Pac)	0502-12=	3	
1915	04	76*p*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	6/-
1915	05	?	**Raung** (Java)	0603-34=	2	
1915	0513?	106*a?*	**Asama** (Honshu-Japan)	0803-11=	1	
1915	0522	....	**Lassen Volc Center** (US-California)	1203-08-	3	
1915	0606	40*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	-/6
? 1915	*07*	*61p*	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2?*	
1915	0722	122*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1915	08	?	**Erebus** (Antarctica)	1900-02=	2	
1915	1010	15*a?*	**Oshima** (Izu Is-Japan)	0804-01=	2	
1915	1020	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1915	11	212*p*	**Tengger Caldera [Bromo]** (Java)	0603-31=	3	
1915	1104	?	**Rinjani** (Lesser Sunda Is)	0604-03=	2	
1915	1105	4*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1915	12	?	**Marapi** (Sumatra)	0601-14=	2?	
1915	*1225*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
1916	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1916	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1916	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1916	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1916	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1916	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
1916	*Cont*	....	*Lassen Volc Center (US-California)*	1203-08-	*2*	
1916	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1916	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1916	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1916	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1916	....	?	**Poás** (Costa Rica)	1405-04=	2	
1916	....	?	**Ruiz, Nevado del** (Colombia)	1501-02=	2	
? 1916	....	*?*	*San Pedro (Chile-N)*	1505-07=		
1916	....	*>3yr*	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1916	0118	4*a*	**Bulusan** (Luzon-Philippines)	0703-01=	2	
1916	*0303*	*>3yr*	*Tungurahua (Ecuador)*	1502-08=	*2*	
1916	0317	26*a?*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1916	*0413*	....	*Tungurahua (Ecuador)*	1502-08=	*3*	
? 1916	*0418*	*?*	*Zengyu (Taiwan-N of)*	0801-05=	*0*	
1916	0419	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1916	0505	63*a*	**Marapi** (Sumatra)	0601-14=	1	
1916	0512?	143*a*	**Asama** (Honshu-Japan)	0803-11=	1	
1916	0519	11*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	7/-
1916	0621	?	**Smith Rock** (Izu Is-Japan)	0804-08=	0	
? 1916	*07*	*?*	*Ragang (Mindanao-Philippines)*	0701-06=		
1916	*0702*	....	*Stromboli (Italy)*	0101-04=	*2?*	*5/-*
1916	0715e	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
1916	11	31*p*	**Raung** (Java)	0603-34=	2	
1916	12	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
1916	*1201p*	*182p*	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*2?*	
1917	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1917	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1917	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1917	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1917	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1917	*Cont*	....	*Lassen Volc Center (US-California)*	1203-08-	*2*	
1917	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	
1917	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1917	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1917	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1917	....	?	**Barrier, The** (Africa-E)	0202-03=	2	
1917	....	?	**Manam** (New Guinea-NE of)	0501-02=	2	
1917	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
1917	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	1	
1917	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	2	
? 1917	....	*?*	*Rincón de la Vieja (Costa Rica)*	1405-02=		
? 1917	....	*?*	*San Pedro (Chile-N)*	1505-07=		
1917	....	?	**Tinguiririca** (Chile-C)	1507-03=	1?	

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1917	01	....	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	3	
1917	0204	?	**Llaima** (Chile-C)	1507-11=	2	
1917	0222	?	**Raung** (Java)	0603-34=	2	
1917	0225	17*a*	**Ijen** (Java)	0603-35=	1	
1917	0324	11*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1917	04	31*m*	**Calbuco** (Chile-S)	1508-02=	3?	
1917	0409	?	**Agrigan** (Mariana Is-C Pacific)	0804-16=	4	
1917	0429	<1	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1917	0430	12*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1917	0503?	89*a?*	**Asama** (Honshu-Japan)	0803-11=	1	
1917	0520	<1	**Sorikmarapi** (Sumatra)	0601-12=	2	
1917	0607	161*m*	**San Salvador** (El Salvador)	1403-05=	3	7/-
1917	0616	92*a*	**Marapi** (Sumatra)	0601-14=	2?	
1917	0624	9*d*	**Etna** (Italy)	0101-06=	2	
1917	0705d	?	**Mutnovsky** (Kamchatka)	1000-06=	3?	
1917	*0927*	*>3yr*	*Irazú (Costa Rica)*	1405-06=	*2*	
1917	10	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1917	10	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1917	1018	<1	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
1917	11	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1918	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1918	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1918	*Cont*	....	*Pago (New Britain-SW Pac)*	0502-08=	*2*	
1918	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1918	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1918	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1918	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
1918	....	?	**Nyiragongo** (Africa-C)	0203-03=	1	
1918	....	730*y*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1918	....	>3yr	**Peuet Sague** (Sumatra)	0601-03=	2	
1918	....	?	**Yake-dake** (Honshu-Japan)	0803-07=	1	
? *1918*	....	*?*	*Asama (Honshu-Japan)*	0803-11=		
1918	01	?	**Merapi** (Java)	0603-25=	1	
? *1918*	*01*	*?*	*Telica (Nicaragua)*	1404-04=	*2?*	
1918	01	?	**Masaya** (Nicaragua)	1404-10=	1	
1918	01	546*p*	**Concepción** (Nicaragua)	1404-12=	2	
1918	*0105*	....	*Tungurahua (Ecuador)*	1502-08=	*3*	
1918	0116	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1918	0120	....	**Irazú** (Costa Rica)	1405-06=	3	
1918	0223	14*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
1918	*03*	*244p*	*Etna (Italy)*	0101-06=	*1*	
1918	0308	2*a*	**Marapi** (Sumatra)	0601-14=	2?	
? *1918*	*04*	*?*	*Momotombo (Nicaragua)*	1404-09=	*1?*	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1918	0405	....	**Tungurahua** (Ecuador)	1502-08=	4	
1918	0517	2*a*	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
1918	0613	48*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
1918	0629	?	**Ruapehu** (New Zealand)	0401-10=	2	
1918	0717	13*a*	**Galunggung** (Java)	0603-14=	1	7/-
1918	*0718*	*500p*	*Banua Wuhu (Sangihe Is-Indonesia)*	0607-03=	*2*	
1918	0721?	?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
1918	08	19*m*	**Gamalama** (Halmahera-Indonesia)	0608-06=	1	
? *1918*	*0809*	*?*	*Kaba (Sumatra)*	0601-22=	*2?*	
1918	*0811*	*14*	*Karthala (Indian O.-W)*	0303-01=	*2*	
1918	0815e	<1	**Marapi** (Sumatra)	0601-14=	2?	
1918	0825	....	**Karthala** (Indian O.-W)	0303-01=	3	
1918	10	>3yr	**Bulusan** (Luzon-Philippines)	0703-01=	*2*	
1918	1007	....	**Etna** (Italy)	0101-06=	2	
1918	1012	23*a*	**Katla** (Iceland-S)	1702-03=	4+	-/8
1918	*1116*	....	*Tungurahua (Ecuador)*	1502-08=	*3?*	
1918	1130?	1*a*	**Etna** (Italy)	0101-06=	1?	6/-
1918	*1130*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
1919	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1919	*Cont*	....	*Okataina [Waimangu] (New Zeal)*	0401-05=	*1*	
1919	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1919	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1919	*Cont*	....	*Peuet Sague (Sumatra)*	0601-03=	*2*	
1919	*Cont*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
1919	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1919	*Cont*	....	*Irazú (Costa Rica)*	1405-06=	*2*	
1919	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1919	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1919	....	?	**Salak** (Java)	0603-05=	2	
1919	....	>3yr	**Masaya** (Nicaragua)	1404-10=	2	
? *1919*	....	*?*	*Villarrica (Chile-C)*	1507-12=		
1919	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	2	
@ 1919	....	?	**Grímsvötn** (Iceland-NE)	1703-01=	2?	
1919	....	?	**Askja** (Iceland-NE)	1703-06=	2	
1919	0207	294*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
1919	0219?	832*w?*	**Popocatépetl** (Mexico)	1401-09=	1	
1919	0228	1*a*	**Marapi** (Sumatra)	0601-14=	2?	
1919	0314	166*a?*	**Asama** (Honshu-Japan)	0803-11=	2	
1919	0315	>3yr	**Etna** (Italy)	0101-06=	2	6/-
1919	04	....	**Banua Wuhu** (Sangihe Is-Indonesia)	0607-03=	3	
1919	04	31*p*	**Aso** (Kyushu-Japan)	0802-11=	2	
1919	05	?	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
1919	0504	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	

Tom Miller (USGS/AVO)

A 65-m-high, 380-m-wide lava dome within a circular ejecta ring caps the 1912 vent of Alaska's Novarupta volcano. A 60-hour-long eruption beginning on June 6, 1912, the Earth's largest eruption during the 20th century, produced The Valley of Ten Thousand Smokes ashflow deposit, which forms the flat ground at the right. The face of Falling Mountain, behind Novarupta dome, was sheared off by a 2-km-wide collapse around the Novarupta vent. Snow-capped Mageik volcano lies in the background.

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1919	0518	219*a*	**Oshima** (Izu Is-Japan)	0804-01=	0	
1919	0519	1*a*	**Kelut** (Java)	0603-28=	4	-/8
1919	0522	....	**Stromboli** (Italy)	0101-04=	3	5/-
1919	0528?	?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
1919	0617	39*a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	2	
1919	0620	10*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	
1919	0715?	<1?	**Iwate** (Honshu-Japan)	0803-24=	1	-/5
1919	0811	?	**Manam** (New Guinea-NE of)	0501-02=	4	
1919	0926	40*a?*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
? 1919	*1026e*	*?*	*Telica (Nicaragua)*	1404-04=	*2?*	
1919	11	?	**Serua** (Banda Sea)	0605-07=	2	
1919	1101	<1	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1919	12	?	**Telong, Bur ni** (Sumatra)	0601-05=	*?*	
1919	1210	37*m*	**San Miguel** (El Salvador)	1403-10=	2	
1919	1221	221*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
1920	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1920	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1920	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
1920	*Cont*	....	*Okataina [Waimangu] (New Zeal)*	0401-05=	*1*	
1920	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1920	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1920	*Cont*	....	*Peuet Sague (Sumatra)*	0601-03=	*2*	
1920	*Cont*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
1920	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*7/-*
1920	*Cont*	....	*Popocatèpetl (Mexico)*	1401-09=	*1*	
1920	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1920	*Cont*	....	*Irazú (Costa Rica)*	1405-06=	*2*	
1920	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1920	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1920	*Cont*	....	*Puyehue-Cordón Caulle (Chile-C)*	1507-15=	*2*	
? 1920 c	....	*?*	*Barrier, The (Africa-E)*	0202-03=		
1920	....	?	**Nyamuragira** (Africa-C)	0203-02=	0	
1920	....	365*y*	**Nyiragongo** (Africa-C)	0203-03=	1	
? 1920 b	....	*?*	*Bam (New Guinea-NE of)*	0501-01=		
1920 b	....	?	**Pago** (New Britain-SW Pac)	0502-08=	0	8/-
1920	....	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
1920	....	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1920	....	?	**Yake-dake** (Honshu-Japan)	0803-07=		
? 1920	....	*?*	*Oshima (Izu Is-Japan)*	0804-01=		
1920 ?	....	?	**Huequi** (Chile-S)	1508-03=	2	
1920	0122	?	**Epi** (Vanuatu-SW Pacific)	0507-06=	2	
1920	0628	112*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1920	0717	5	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
1920	0725	204*m*	**Merapi** (Java)	0603-25=	2	-/6
1920	0814	>3yr	**San Miguel** (El Salvador)	1403-10=	2	
1920	1029	163*a*	**Izalco** (El Salvador)	1403-03=	2	
? 1920	*11*	*?*	*Santa Ana (El Salvador)*	1403-02=	*2?*	
1920	1205?	103*m?*	**Manam** (New Guinea-NE of)	0501-02=	2	
1920	1206	6*a*	**Kelut** (Java)	0603-28=	2	5/-
1920	1206	505*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1920	1210	3*a*	**Villarrica** (Chile-C)	1507-12=	2	
1921	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1921	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
1921	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	
1921	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1921	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1921	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1921	*Cont*	....	*Peuet Sague (Sumatra)*	0601-03=	*2*	
1921	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*-/6*
1921	*Cont*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
1921	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
1921	*Cont*	....	*Popocatèpetl (Mexico)*	1401-09=	*1*	
1921	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1921	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1921	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1921	*Cont*	....	*Irazú (Costa Rica)*	1405-06=	*2*	
1921	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1921	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1921	....	>3yr	**Nyamuragira** (Africa-C)	0203-02=	0	8/-
1921	....	?	**Yake-dake** (Honshu-Japan)	0803-07=		
1921	0101	354*a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	5/-
1921	0129	78*a*	**Batur** (Lesser Sunda Is)	0604-01=	2	
1921	02	?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	2	
1921	02	229*l*	**Awu** (Sangihe Is-Indonesia)	0607-04=	0	
1921	0214d	60*p*	**Raung** (Java)	0603-34=	2	
1921	03	92*m>*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1921	03	?	**Askja** (Iceland-NE)	1703-06=	0	
? 1921	*0318*	*?*	*St. Helens (US-Washington)*	1201-05-		
1921	0318	7*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
1921	04	15*m*	**Dempo** (Sumatra)	0601-23=	1	
1921	05	31*p*	**Kerinci** (Sumatra)	0601-17=	2	
1921	0523	11*a*	**Sumbing** (Sumatra)	0601-18=	2	
1921	06	124*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1921	*0616*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
? 1921	*0703*	*<1*	*Wrangell (Alaska-E)*	1105-02-		
1921	0706	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1921	09	?	**Karymsky** (Kamchatka)	1000-13=	2	
1921	0918	?	**Serua** (Banda Sea)	0605-07=	2	
1921	10	?	**Ruapehu** (New Zealand)	0401-10=	2	
? 1921	*11*	*?*	*Falcon Island (Tonga-SW Pacific)*	0403-05=	*0?*	
1921	1127	6*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1921	12	>3yr	**Concepción** (Nicaragua)	1404-12=	2	
1921	1208	49*a*	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
? 1921	*1210*	*?*	*Villarrica (Chile-C)*	1507-12=	*2?*	
1921	1213	62*a*	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	3	8/-
1921	1231*y*	?	**Barrier, The** (Africa-E)	0202-03=	2	
1922	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1922	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*6/-*
1922	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1922	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1922	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1922	*Cont*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
1922	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2?*	
1922	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
1922	*Cont*	....	*Popocatèpetl (Mexico)*	1401-09=	*1*	
1922	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1922	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1922	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1922	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1922	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1922	*Cont*	....	*Puyehue-Cordón Caulle (Chile-C)*	1507-15=	*3*	*8/-*
1922	....	?	**White Island** (New Zealand)	0401-04=	2	
1922	....	?	**Manam** (New Guinea-NE of)	0501-02=	3?	
1922	....	?	**Gareloi** (Aleutian Is)	1101-07-	3	
1922	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
? 1922	*0201p*	*?*	*Unnamed (Sangihe Is-Indonesia)*	0607-05=	*0*	
1922	0203	202*a*	**Cameroon** (Africa-W)	0204-01=	2	7/-
1922	0205	135*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1922	0218	171*a*	**Merapi** (Java)	0603-25=	1	6/-
1922	0310	9*a*	**Yake-dake** (Honshu-Japan)	0803-07=	1?	
1922	0411<	54*a>*	**Rincón de la Vieja** (Costa Rica)	1405-02=	2?	
1922	05	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1922	0504	222*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1922	0522	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	2	
1922	0528	2*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
1922	0620	97*m*	**Awu** (Sangihe Is-Indonesia)	0607-04=	0	
1922	0622	>3yr	**Santa María** (Guatemala)	1402-03=	3	9/8
1922	0628	3*a*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
1922	07	?	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
? 1922	*08*	*?*	*Methana (Greece)*	0102-02=		
1922	*0820*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
1922	0830	?	**Batur** (Lesser Sunda Is)	0604-01=	2	
1922	0929	24*a*	**Grímsvötn** (Iceland-NE)	1703-01=	2	
1922	1005?	18*a?*	**Arenal** (Costa Rica)	1405-033	2	
1922	1015*q*	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1922	1024	?	**Llaima** (Chile-C)	1507-11=	2	
1922	1024	34*n*	**Villarrica** (Chile-C)	1507-12=	2	
1922	11	?	**Kronotsky** (Kamchatka)	1000-20=	2	
1922	11	?	**Askja** (Iceland-NE)	1703-06=	0	
1922	1208	53*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	6/5
1922	1224	66*r*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1923	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1923	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1923	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1923	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1923	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	*6/5*
1923	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1923	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1923	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1923	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1923	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1923	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1923	....	?	**Santa Isabel** (Africa-W)	0204-004		
? 1923	....	*?*	*Manam (New Guinea-NE of)*	0501-02=	*2?*	
1923	....	730*y*	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	2?	
1923	....	2*a*	**Batur** (Lesser Sunda Is)	0604-01=	2	
1923 h	....	?	**Zavaritzki Caldera** (Kuril Is)	0900-18=	1	
1923	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
? 1923	....	*?*	*San Pedro (Chile-N)*	1505-07=		
? 1923	....	*?*	*Chillán, Nevados de (Chile-C)*	1507-07=	*2?*	
1923	01	244*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1923	0115*q*	?	**Askja** (Iceland-NE)	1703-06=	0	
1923	0117	5*a*	**Sarychev Peak** (Kuril Is)	0900-24=	2	
1923	*02*	*? 840m?*	*Pagan (Mariana Is-C Pacific)*	0804-17=	*2*	
1923	02	190*m*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
1923	02	?	**Karymsky** (Kamchatka)	1000-13=	2	
1923	02	?	**Kronotsky** (Kamchatka)	1000-20=	2	
1923	0211	63*m*	**Zheltovsky** (Kamchatka)	1000-04=	3	
1923	0227	16*a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	2	
1923	0302	72*a*	**Cendres, Ile des** (SE Asia)	0705-06-	2	-/8
1923	0303	....	**Pagan** (Mariana Is-C Pacific)	0804-17=	3	
1923	0311	728*a*	**Papandayan** (Java)	0603-10=	1	
1923	0413	23*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1923	0519?	<1	**Dempo** (Sumatra)	0601-23=	1	
1923	06	?	**Perbakti-Gagak** (Java)	0603-04=	1	
1923	0602	<1	**Slamet** (Java)	0603-18=	2	
1923	0617	31*a*	**Etna** (Italy)	0101-06=	2	7/5
1923	0626	37*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1923	07	16*m*	**Kirishima** (Kyushu-Japan)	0802-09=	2	
1923	0701	?	**Unnamed** (Tonga-SW Pacific)	0403-03=	0	
1923	08	30*p*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1923	0825	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
1923	09	<1	**Kerinci** (Sumatra)	0601-17=	1	
? *1923*	*09*	*61p*	*Merapi (Java)*	0603-25=		
1923	1009	266*w*	**Etna** (Italy)	0101-06=	1	
1923	1023	49*m*	**Negro, Cerro** (Nicaragua)	1404-07=	3	7/7
1923	1127	53*a*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	7/-
1923	1127	121*p*	**Popocatépetl** (México)	1401-09=	1	
1923	*12*	....	*Stromboli (Italy)*	0101-04=	*2*	*5/-*
1923	1208	?	**Galeras** (Colombia)	1501-08=	2	
1924	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1924	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1924	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1924	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1924	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1924	*Cont*	....	*Kuwae [Karua] (Vanuatu-SW Pac)*	0507-07=	*2?*	
1924	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1924	*Cont*	....	*Papandayan (Java)*	0603-10=	*1*	
1924	*Cont*	....	*Popocatépetl (México)*	1401-09=	*1*	
1924	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1924	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*2*	
1924	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1924	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1924	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1924	....	?	**White Island** (New Zealand)	0401-04=	2	
1924	....	?	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1924	....	5*a*	**Bam** (New Guinea-NE of)	0501-01=	2	
? *1924*	....	*?*	*Manam (New Guinea-NE of)*	0501-02=	*2?*	
1924	....	?	**Babuyan Claro** (Luzon-N of)	0704-03=	2	
? *1924*	....	*?*	*Asuncion (Mariana Is-C Pacific)*	0804-15=	*2?*	
1924	....	?	**Ketoi** (Kuril Is)	0900-20=	2	
1924	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
1924	....	?	**Puracé** (Colombia)	1501-06=	2	
1924 ?	....	?	**Askja** (Iceland-NE)	1703-08=	0?	8/-
1924	0109	21*a*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1924	*0114*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*2*	*7/-*
1924	0117	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1924	02 <	?	**Raung** (Java)	0603-34=	2	
1924	0215	?	**Unnamed** (Kuril Is)	0900-23=	0	
1924	0215	?	**Raikoke** (Kuril Is)	0900-25=	4	
1924	03	2*a*	**Batur** (Lesser Sunda Is)	0604-01=	2	
1924	03	?	**Izalco** (El Salvador)	1403-03=	2	
1924	03	30*m*	**Irazú** (Costa Rica)	1405-06=	2	
1924	0313	?	**Kolokol Group** (Kuril Is)	0900-12=	2?	
1924	04	15*m?*	**Tandikat** (Sumatra)	0601-15=	1	
1924	05	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1924	0510	17	**Kilauea** (Hawaiian Is)	1302-01-	2	-/5
1924	0519	4*a*>	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	
1924	0522	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1924	0719	10*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
1924	0731	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	2	
? *1924*	*0820*	*?*	*Raung (Java)*	0603-34=	*2?*	
1924	0903	10*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1924	0907	22*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1924	0910	2*a*	**Merapi** (Java)	0603-25=	1	
1924	10	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1924	*10*	*988w*	*Galeras (Colombia)*	1501-08=	*2*	
1924	1031	?	**Iriomote-jima** (Ryukyu Is)	0802-01=	4?	-/9
1924	11	?	**Ebulobo** (Lesser Sunda Is)	0604-10=	2	
1924	1116	739*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
? *1924*	*1207*	*?*	*Telong, Bur ni (Sumatra)*	0601-05=	*2*	
1924	*1218*	*171a*	*Acatenango (Guatemala)*	1402-08=	*2*	
1925	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1925	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1925	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
1925	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1925	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1925	*Cont*	....	*Kuwae [Karua] (Vanuatu-SW Pac)*	0507-07=	*2?*	
1925	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1925	*Cont*	....	*Papandayan (Java)*	0603-10=	*1*	
1925	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	
1925	*Cont*	....	*San Miguel (El Salvador)*	1403-10=	*2*	
1925	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1925	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
1925	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1925	....	?	**Cameroon** (Africa-W)	0204-01=		
1925	....	?	**Manam** (New Guinea-NE of)	0501-02=	2?	
1925	....	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1925	....	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
1925	....	?	**Zhupanovsky** (Kamchatka)	1000-12=	2	
1925	....	?	**Shishaldin** (Aleutian Is)	1101-36-		
1925	....	730*y?*	**Popocatépetl** (Mexico)	1401-09=	2	
1925	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
1925	....	....	**Acatenango** (Guatemala)	1402-08=	3	
1925	....	?	**Poás** (Costa Rica)	1405-04=	1	
1925	....	?	**Tupungatito** (Chile-C)	1507-01=	2	
1925	0105d	<1	**Batur** (Lesser Sunda Is)	0604-01=	2	
1925	0106	?	**Aso** (Kyushu-Japan)	0802-11=	2	
1925	0122	?	**Ruapehu** (New Zealand)	0401-10=	2	
1925	0122?	8*a?*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	-/6
1925	02	80*m*	**Pagan** (Mariana Is-C Pacific)	0804-17=	2	
1925	0215	....	**Galeras** (Colombia)	1501-08=	3	
1925	04 ?	?	**Marapi** (Sumatra)	0601-14=	0	
1925	04	?	**Masaya** (Nicaragua)	1404-10=	2?	
1925	0404	189*a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1925	0411	349*a*>	**Wolf** (Galápagos)	1503-02=	1	
1925	0513	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
1925	*0525*	....	*Galeras (Colombia)*	1501-08=	*3*	
1925	07	?	**Karymsky** (Kamchatka)	1000-13=	2	
1925	*0701*	....	*Galeras (Colombia)*	1501-08=	*3*	
1925	0811	277*m*	**Santorini** (Greece)	0102-04=	2	8/-
? *1925*	*0924*	*?*	*Nieuwerkerk (Banda Sea)*	0605-02=	*2*	
1925	1012	24*a*	**Puracé** (Colombia)	1501-06=	2	
1925	11	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1925	*1120*	*664m*	*Tokachi (Hokkaido-Japan)*	0805-05=	*2*	
1925	*1226*	*371m*	*Izalco (El Salvador)*	1403-03=	*2*	
1925	1230	111*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1926	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1926	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1926	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1926	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1926	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1926	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	
1926	*Cont*	....	*Popocatépetl (México)*	1401-09=	*2*	
1926	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
1926	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
1926	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
1926	*Cont*	....	*Wolf (Galápagos)*	1503-02=	*1*	
1926	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1926	....	?	**Dallol** (Ethiopia)	0201-041	1	
1926	....	21*m*	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	2	
1926 d	....	*>3yr*	*Colima (México)*	1401-04=	*0*	
1926	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1926	....	?	**Fernandina** (Galápagos)	1503-01=		
1926	0102	164*a*	**Etna** (Italy)	0101-06=	1	
1926	0105d	120*p*	**Reventador** (Ecuador)	1502-01=	3	
1926	0203	?	**White Island** (New Zealand)	0401-04=	2	
1926	03	714*q*	**Manam** (New Guinea-NE of)	0501-02=	2	
1926	0301	130*a*	**Tangkubanparahu** (Java)	0603-09=	1?	
1926	0323	15*a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1926	*0327*	*352a?*	*Avachinsky (Kamchatka)*	1000-10=	*2*	*6/8*
1926	0405	....	**Avachinsky** (Kamchatka)	1000-10=	4	6/8
1926	0410	18*a?*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
1926	0416	61*m*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1926	0422	2*a*	**Dempo** (Sumatra)	0601-23=	2	
1926	*05*	....	*Santorini (Greece)*	0102-04=	*2*	*8/-*
1926	0524	....	**Tokachi** (Hokkaido-Japan)	0805-05=	3	
1926	06	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	1?	
1926	0605d	?	**Reykjanes** (Iceland-SW)	1701-02=	0	
1926	07	715*w*	**Bogoslof** (Aleutian Is)	1101-30-	2	6/-
1926	0715q	?	**Askja** (Iceland-NE)	1703-06=	2?	-/7
1926	08	276*m*	**Acatenango** (Guatemala)	1402-08=	2	
1926	08	31*p*	**Puracé** (Colombia)	1501-06=	2	
1926	0802	50*a*	**Batur** (Lesser Sunda Is)	0604-01=	2	7/6
1926	0918	270*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1926	0921	479*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1926	10	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1926	1019	11*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1926	1105	....	**Izalco** (El Salvador)	1403-03=	3?	
1926	1117	1*a*	**Okataina [Waimangu]** (New Zeal)	0401-05=	1	
1926	1123 a	7*b*	**Slamet** (Java)	0603-18=	2	
1926	1220	1*a*	**Cumbal** (Colombia)	1501-10=	2	
1926	1221	9*a?*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1926	1222	<1	**Koryaksky** (Kamchatka)	1000-09=	1?	
1926	1230	?	**Makushin** (Aleutian Is)	1101-31-	2	
1927	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1927	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
1927	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
1927	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
1927	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
1927	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
1927	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1927	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
1927	*Cont*	....	*Tokachi (Hokkaido-Japan)*	0805-05=	*2*	
1927	*Cont*	....	*Avachinsky (Kamchatka)*	1000-10=	*2*	*6/8*
1927	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*6/-*
1927	*Cont*	....	*Colima (México)*	1401-04=	*0*	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1927	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1927	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
	1927	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	1927	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
?	*1927*	....	?	*Tongariro (New Zealand)*	0401-08=	*1?*	
	1927	....	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
	1927	....	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
?	*1927*	....	?	*Sirung (Lesser Sunda Is)*	0604-27=	*2*	
?	*1927*	....	?	*Zao (Honshu-Japan)*	0803-19=	*1?*	
	1927	....	?	**Sarychev Peak** (Kuril Is)	0900-24=	2?	
?	*1927*	....	?	*Kiska (Aleutian Is)*	1101-02-	*2?*	
?	*1927*	....	?	*Gareloi (Aleutian Is)*	1101-07-		
?	*1927*	....	?	*Segiiam (Aleutian Is)*	1101-18-		
	1927	....	365*y*	**Akutan** (Aleutian Is)	1101-32-	2	
	1927	....	?	**Shishaldin** (Aleutian Is)	1101-36-		
	1927	....	365*y?*	**Izalco** (El Salvador)	1403-03=	2	
	1927	....	?	**Puracé** (Colombia)	1501-06=	2	
	1927	....	365*y*	**Villarrica** (Chile-C)	1507-12=	2	
	1927	01	30*p*	**Mutnovsky** (Kamchatka)	1000-06=	2	
	1927	0123	96	**Yake-dake** (Honshu-Japan)	0803-07=	2	
	1927	0205	179*m*	**Marapi** (Sumatra)	0601-14=	2	
	1927	0227	<1	**Slamet** (Java)	0603-18=	2	
	1927	03	>3yr	**Nyiragongo** (Africa-C)	0203-03=	1	
	1927	03	? 497*m?*	**Asama** (Honshu-Japan)	0803-11=	2	
?	*1927*	*0301p*	?	*Emperor of China (Banda Sea)*	0605-01=	*2*	
?	*1927*	*0301p*	?	*Nieuwerkerk (Banda Sea)*	0605-02=	*2*	
	1927	0320	?	**Kanlaon** (Philippines-C)	0702-02=	2	
	1927	*0330*	....	*Acatenango (Guatemala)*	1402-08=	*2*	
?	*1927*	*04*	*30p*	*Akan (Hokkaido-Japan)*	0805-07=	*1*	
	1927	0410	?	**Chillán, Nevados de** (Chile-C)	1507-07=	2?	
	1927	07	63*m>*	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1927	0707	13*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
	1927	08	91*p*	**Telica** (Nicaragua)	1404-04=	2	
	1927	0802	225*m?*	**Raung** (Java)	0603-34=	2	
?	*1927*	*0826e*	*5a?*	*Mageik (Alaska Peninsula)*	1102-15-	*2*	
?	*1927*	*0905d*	?	*Esjufjöll (Iceland-SE)*	1704-02=	*1?*	
	1927	1004	346*m>*	**Falcon Island** (Tonga-SW Pacific)	0403-05=	2	-/7
	1927	1005	61*a*	**Llaima** (Chile-C)	1507-11=	2	
	1927	12	31*p*	**Kizimen** (Kamchatka)	1000-23=	2	
	1927	1213<	?	**Fernandina** (Galapagos)	1503-01=	0	
	1927	1215	<1	**Yake-dake** (Honshu-Japan)	0803-07=	2	
	1927	1229	960*a*	**Krakatau** (Indonesia)	0602-00=	2	
	1927	1229	2*a*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	2	
	1928	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1928	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
	1928	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
	1928	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1928	*Cont*	....	*Falcon Island (Tonga-SW Pacific)*	0403-05=	*2*	*-/7*
	1928	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
	1928	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
	1928	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1928	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
	1928	*Cont*	....	*Kizimen (Kamchatka)*	1000-23=	*2*	
	1928	*Cont*	....	*Bogoslof (Aleutian Is)*	1101-30-	*1*	*6/-*
	1928	*Cont*	....	*Akutan (Aleutian Is)*	1101-32-	*2*	
	1928	*Cont*	....	*Colima (Mexico)*	1401-04=	*0*	
	1928	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1928	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
	1928	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*2*	
?	*1928*	....	?	*Ayelu (Ethiopia)*	0201-16=	*2*	
?	*1928*	....	?	*Adwa (Ethiopia)*	0201-17=	*2*	
	1928	b	?	**Karthala** (Indian O.-W)	0303-01=	1?	
	1928	....	?	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	7/-
?	*1928*	....	?	*Veteran (SE Asia)*	0705-07-	*0*	
@	**1928**	....	?	**Macdonald** (Austral Is-C Pacific)	1303-06-	0?	
	1928	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
	1928	....	?	**Telica** (Nicaragua)	1404-04=	2	
	1928	....	?	**Pinta** (Galápagos)	1503-07=		
	1928	*01*	? *212m?*	*Mayon (Luzon-Philippines)*	0703-03=	*2*	*7/7*
	1928	01	127*m*	**Tokachi** (Hokkaido-Japan)	0805-05=	1	
	1928	0107	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
	1928	0123	54*a*	**Santorini** (Greece)	0102-04=	2	4/-
	1928	0125	40*m*	**Mutnovsky** (Kamchatka)	1000-06=	2	
	1928	0125	?	**Concepción** (Nicaragua)	1404-12=	2	
	1928	0127	443*q*	**Shiveluch** (Kamchatka)	1000-27=	1	
	1928	*0205*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
	1928	0214	?	**Sarychev Peak** (Kuril Is)	0900-24=	2	
	1928	0214	102*e*	**Irazú** (Costa Rica)	1405-06=	2	
	1928	0303	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1928	0315e	122*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1928	0320	49*a*	**Slamet** (Java)	0603-18=	2	
	1928	0328	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	1	
	1928	0513	?	**Dieng Volc Complex** (Java)	0603-20=	2	
	1928	06	?	**Bulusan** (Luzon-Philippines)	0703-01=	2	
?	*1928*	*0609*	?	*Pinacate (Mexico)*	1401-001		
	1928	0625	....	**Mayon** (Luzon-Philippines)	0703-03=	3	7/7
	1928	07	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1928	0731	21*a*	**Etna** (Italy)	0101-06=	1	
	1928	08	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
	1928	0804	52*a*	**Paluweh** (Lesser Sunda Is)	0604-15=	3	6/7
	1928	0807	1*a*	**Oshima** (Izu Is-Japan)	0804-01=	2	
	1928	0901	3*a*	**White Island** (New Zealand)	0401-04=	1	
	1928	0906	413*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1928	0906	157*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
	1928	11	?	**Raung** (Java)	0603-34=	2	
	1928	1102	16*a*	**Etna** (Italy)	0101-06=	1	7/6
	1928	1130	214*w*	**Chillán, Nevados de** (Chile-C)	1507-07=	2?	
	1928	1204	21*a*	**Tokachi** (Hokkaido-Japan)	0805-05=	1	
	1928	1215e	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2?	
	1928	1216	?	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1928	1231y	?	**Manda-Inakir** (Ethiopia)	0201-122	2?	
	1929	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*5/-*
	1929	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
	1929	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1929	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
	1929	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1929	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1929	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*1*	
	1929	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	
	1929	*Cont*	....	*Colima (Mexico)*	1401-04=	*0*	
	1929	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
	1929	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2?*	
	1929	....	?	**Perbakti-Gagak** (Java)	0603-04=	1	
?	*1929*	....	*365y?*	*Pagan (Mariana Is-C Pacific)*	0804-17=		
	1929	....	?	**Zhupanovsky** (Kamchatka)	1000-12=	2	
	1929	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
?	*1929*	....	?	*Yunaska (Aleutian Is)*	1101-21-		
	1929	....	?	**Poás** (Costa Rica)	1405-04=	1	
	1929	....	?	**Reventador** (Ecuador)	1502-01=	3	
	1929	01	15*m*	**Telica** (Nicaragua)	1404-04=	1?	
	1929	01	30*p*	**Kverkfjöll** (Iceland-NE)	1703-05=	1	
	1929	0106	<1	**Calbuco** (Chile-S)	1508-02=	3?	
	1929	0107	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	2	
	1929	*0112*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
	1929	0122	73*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1929	02	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
	1929	0210	33*m*	**Negro, Cerro** (Nicaragua)	1404-07=	2	5/-
	1929	0220	1	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
?	*1929*	*03*	?	*Cleveland (Aleutian Is)*	1101-24-		
	1929	03	883*p*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1929	04	443*w*	**Gareloi** (Aleutian Is)	1101-07-	3	
	1929	0417	2*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	
	1929	0427r	?	**Raung** (Java)	0603-34=	2	
	1929	05	? ?	**Akutan** (Aleutian Is)	1101-32-	2	
	1929	0520	<1	**Tangkubanparahu** (Java)	0603-09=	0	
	1929	0528	26*a>*	**Shishaldin** (Aleutian Is)	1101-36-	2	
	1929	06	61*p*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1929	*0603*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1929	0606	9*a*	**Slamet** (Java)	0603-18=	2	
	1929	0617	81*a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	4	-/8
	1929	0622	<1	**Marapi** (Sumatra)	0601-14=	2	
	1929	0628	3*a*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1929	0725	1*a*	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
	1929	0725	3	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
	1929	08	?	**San Miguel** (El Salvador)	1403-10=	2	
	1929	08	61*p*	**Concepción** (Nicaragua)	1404-12=	2	
	1929	0802	?	**Etna** (Italy)	0101-06=	1	
	1929	0807	32*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
?	*1929*	*0819*	*118m*	*Mageik (Alaska Peninsula)*	1102-15-	*2*	
	1929	09	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	2	
	1929	0901	226*m*	**Gorely** (Kamchatka)	1000-07=	3	-/7
	1929	*0916*	*>3yr*	*Pelée (W Indies)*	1600-12=	*2*	
	1929	0918	58*a*	**Asama** (Honshu-Japan)	0803-11=	2	
	1929	*1102*	....	*Santa María (Guatemala)*	1402-03=	*3*	*9/8*
	1929	12	?	**Kagamil** (Aleutian Is)	1101-26-		
?	*1929*	*12*	?	*Chiginagak (Alaska Peninsula)*	1102-11-		
	1929	12	?	**Llaima** (Chile-C)	1507-11=	2	
	1929	1215e	....	**Pelée** (W Indies)	1600-12=	3	
	1929	1223	8*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1929	1227	?	**Villarrica** (Chile-C)	1507-12=	1	
	1930	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1930	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*0*	*8/-*
	1930	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1930	*Cont*	....	*Victory (New Guinea)*	0503-03=	*1*	
	1930	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
?	*1930*	*Cont*	....	*Pagan (Mariana Is-C Pacific)*	0804-17=		
	1930	*Cont*	....	*Gareloi (Aleutian Is)*	1101-07-	*3*	
	1930	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
	1930	....	>3yr	**Kita-Iwo-jima** (Volcano Is-Japan)	0804-11=	2?	
	1930	?	?	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
M	**1930**	?	?	**Southern EPR-Segment K** (Pacific)	1304-12-	0	
	1930	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
?	*1930*	....	?	*Tacora (Chile-N)*	1505-01=		

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1937	....	?	**Copahue** (Chile-C)	1507-09=	2?	
1937	01	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1937	*0106*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
1937	*0110*	....	*Tolbachik (Kamchatka)*	1000-24=	*2*	
1937	0113	<1	**Aso** (Kyushu-Japan)	0802-11=	2	
1937	0209?	266*a?*	**Llaima** (Chile-C)	1507-11=	2	
1937	03	31*p*	**Fernandina** (Galapagos)	1503-01=	0	
1937	*0315*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	
1937	0317	2*a*	**Komaga-take** (Hokkaido-Japan)	0805-02=	1	
1937	0327	19*m*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1937	*04*	....	*Sangay (Ecuador)*	1502-09=	*3*	
1937	04	20*m*	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
1937	0403	712*m*	**Kliuchevskoi** (Kamchatka)	1000-26=	3	8/7
? *1937*	*05*	?	*Ulawun (New Britain-SW Pac)*	0502-12=		
1937	0507	6*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1937	0529	4*a*	**Rabaul** (New Britain-SW Pac)	0502-14=	4?	-/8
1937	06	?	**Ubinas** (Perú)	1504-02=	2	
1937	0616	?	**Mocho-Choshuenco** (Chile-C)	1507-13=		
1937	0624	197*a*	**Cereme** (Java)	0603-17=	2	
1937	*07*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1937	0717	30*m*	**Oshima** (Izu Is-Japan)	0804-01=	0	
? *1937*	*0805*	?	*Tacora (Chile-N)*	1505-01=		
1937	0806	109*a*	**Krakatau** (Indonesia)	0602-00=	2	
1937	0813	104*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
1937	0907	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	3	
? *1937*	*0908*	?	*Talakmau (Sumatra)*	0601-13=	*1*	
1937	0908	?	**Kerinci** (Sumatra)	0601-17=	2	
? *1937*	*0918*	?	*Callaqui (Chile-C)*	1507-091		
1937	1027	31*a*	**Raung** (Java)	0603-34=	2	
1937	11	274*p*	**Telica** (Nicaragua)	1404-04=	2	
1937	1103	1*a*	**Yunaska** (Aleutian Is)	1101-21-	3	
1937	*1114?*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
1937	1127	82*a?*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	
1938	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1938	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1938	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1938	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
? *1938*	*Cont*	....	*Bam (New Guinea-NE of)*	0501-01=		
1938	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*0*	
1938	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1938	*Cont*	....	*Cereme (Java)*	0603-17=	*2*	
1938	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1938	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1938	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1938	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	***9/8***
1938	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2?*	
1938	*Cont*	....	*Telica (Nicaragua)*	1404-04=	*2*	
1938	*Cont*	....	*Azul, Cerro (Chile-C)*	1507-06=	*2*	
1938	....	?	**Long Island** (New Guinea-NE of)	0501-05=		
1938	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1938	....	?	**Colo [Una Una]** (Sulawesi-Indonesia)	0606-01=	1	
1938	....	406*w*	**Aso** (Kyushu-Japan)	0802-11=	2	
1938	....	?	**Cleveland** (Aleutian Is)	1101-24-		
1938	....	?	**Okmok** (Aleutian Is)	1101-29-		
1938	....	?	**Wolf** (Galapagos)	1503-02=		
1938	0119	58*a*	**Kerinci** (Sumatra)	0601-17=	2	
1938	0128	878*e*	**Nyamuragira** (Africa-C)	0203-02=	1	8/-
1938	0131e	?	**Salak** (Java)	0603-05=	2	
1938	02	?	**San Pedro** (Chile-N)	1505-07=	2	
1938	*0207*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*3*	*8/7*
? *1938*	*0211*	?	*Villarrica (Chile-C)*	1507-12=	*1?*	
1938	0225	33	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
1938	0306	243*a>*	**Avachinsky** (Kamchatka)	1000-10=	3	-/7
1938	0311	<1	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
1938	0325	>3yr	**Asama** (Honshu-Japan)	0803-11=	1	-/5
1938	05	31*p*	**Ebulobo** (Lesser Sunda Is)	0604-10=		
1938	05	31*p*	**Kelimutu** (Lesser Sunda Is)	0604-14=	2	
1938	05	?	**Grímsvötn** (Iceland-NE)	1703-01=	1	
1938	0515	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	3	
1938	0605	?	**Mayon** (Luzon-Philippines)	0703-03=	2	-/6
1938	*0704*	*729a*	*Krakatau (Indonesia)*	0602-00=	*2*	
? *1938*	*0716<*	?	*Akagi (Honshu-Japan)*	0803-13=		
1938	0717?	80*a?*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	
1938	0725	4*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	
1938	0811	<1	**Oshima** (Izu Is-Japan)	0804-01=	1	5/5
1938	0812	?	**Nemo Peak** (Kuril Is)	0900-32=	2	
1938	0813	110*a>*	**Raung** (Java)	0603-34=	2	
1938	*09*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1938	09	31*p*	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
1938	0908	<1	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1938	10	?	**Karymsky** (Kamchatka)	1000-13=	2	
1938	10	?	**Makushin** (Aleutian Is)	1101-31-	2	
1938	11	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
1938	12	?	**Perbakti-Gagak** (Java)	0603-04=	1	
1938	12	?	**Llaima** (Chile-C)	1507-11=	1	
1938	1201p	62*r*	**Villarrica** (Chile-C)	1507-12=	2	
1938	1207	39*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
1938	1219?	?	**Askja** (Iceland-NE)	1703-06=	2	
1939	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1939	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1939	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
1939	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*1*	*8/-*
1939	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1939	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*2*	*7/-*
? *1939*	*Cont*	....	*Bam (New Guinea-NE of)*	0501-01=		
1939	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*0*	
1939	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1939	*Cont*	....	*Raung (Java)*	0603-34=	*2*	
1939	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1939	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
1939	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1939	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1939	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*8/7*
1939	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1939	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	***9/8***
1939	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1939	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*2*	
1939	....	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
1939	01	151*p*	**Telica** (Nicaragua)	1404-04=	2	
1939	0130?	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
1939	02 ?	195*m?*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	
1939	02	14*m*	**Oshima** (Izu Is-Japan)	0804-01=	1?	
1939	02	>3yr	**Izalco** (El Salvador)	1403-03=	2	
1939	0202	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
1939	0202	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1939	0329	108*a*	**Slamet** (Java)	0603-18=	2	
1939	0406<	?	**Perbakti-Gagak** (Java)	0603-04=	1	
1939	0430?	?	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
1939	05	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
1939	05	61*p*	**San Miguel** (El Salvador)	1403-10=	2	
1939	0518	272*m*	**Irazú** (Costa Rica)	1405-06=	2	
1939	0523	34*a?*	**Veniaminof** (Alaska Peninsula)	1102-07-	3	
1939	06	?	**Fonualei** (Tonga-SW Pacific)	0403-10=	2	
? *1939*	*06*	?	*Grímsvötn (Iceland-NE)*	1703-01=	*0*	
1939	0604	<1	**Yake-dake** (Honshu-Japan)	0803-07=	2	
1939	0617	....	**Krakatau** (Indonesia)	0602-00=	3	
1939	0624	25*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
? *1939*	*07*	?	*Zao (Honshu-Japan)*	0803-19=	*1?*	
1939	0718	12*a*	**Dempo** (Sumatra)	0601-23=	2	
1939	0724	<1	**Kick 'em Jenny** (W Indies)	1600-16=	1	
1939	08	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1939	0817	131*e*	**Tori-shima** (Izu Is-Japan)	0804-09=	3	7/7
1939	0820	682*b*	**Santorini** (Greece)	0102-04=	2	7/-
1939	0821	?	**Mayon** (Luzon-Philippines)	0703-03=	1	
1939	0901	15*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	5/-
1939	0925	2*a*	**Tolbachik** (Kamchatka)	1000-24=	2	
1939	0926	?	**Biliran** (Philippines-C)	0702-08=	1?	
1939	1013	2*a*	**Dieng Volc Complex** (Java)	0603-20=	1?	
1939	1026	17*a?*	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	-/5
1939	11	?	**Veniaminof** (Alaska Peninsula)	1102-07-	2	
1939	11	15*m*	**Telica** (Nicaragua)	1404-04=	2	
1939	1101	?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
1939	1119	481*a*	**Kaba** (Sumatra)	0601-22=	2	
1939	1204	<1	**Slamet** (Java)	0603-18=	2	
1939	1213	276*m*	**Merapi** (Java)	0603-25=	2	6/-
1939	1217	125*a*	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
1939	1219	64*a*	**Dempo** (Sumatra)	0601-23=	2	
1940	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
1940	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1940	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*7/-*
1940	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*1*	*8/-*
1940	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1940	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1940	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
1940	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
1940	*Cont*	....	*Lewotobi (Lesser Sunda Is)*	0604-18=	*2*	
1940	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1940	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1940	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1940	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1940	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	***9/8***
1940	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1940	*Cont*	....	*Irazú (Costa Rica)*	1405-06=	*2*	
1940	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1940	....	?	**Erta Ale** (Ethiopia)	0201-08=	0	
1940	....	?	**Raung** (Java)	0603-34=	2	
1940	....	?	**Kolokol Group** (Kuril Is)	0900-12=		7/-
1940	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
1940	....	?	**Cotopaxi** (Ecuador)	1502-05=	2	
1940	....	?	**Azul, Cerro** (Galapagos)	1503-06=	0	
1940	....	?	**Lascar** (Chile-N)	1505-10=	2	
1940	01	30*p*	**Zhupanovsky** (Kamchatka)	1000-12=	2	
1940	*0124*	....	*Merapi (Java)*	0603-25=	*2*	*6/-*

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1940	*0130*	....	*Dempo (Sumatra)*	0601-23=	*2*	
	1940	02	60*p*	**Tolbachik** (Kamchatka)	1000-24=	2	
?	*1940*	*02*	*?*	*Lonquimay (Chile-C)*	1507-10=		
	1940	0204d	103*d*	**Rabaul** (New Britain-SW Pac)	0502-14=	1	
	1940	0301	8*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1940	0315	31*a*	**Slamet** (Java)	0603-18=	2	
	1940	0316	....	**Etna** (Italy)	0101-06=	3	
	1940	04	?	**Ruapehu** (New Zealand)	0401-10=	2	
	1940	04	?	**Besar** (Sumatra)	0601-25=	1	
	1940	0407	159*a*	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1?	
	1940	0407	133*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
	1940	0420	110*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1940	0424	76*a*	**Sakura-jima** (Kyushu-Japan)	0802-08=	*2*	
	1940	0425	69*a>*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1940	0518	<1	**Zao** (Honshu-Japan)	0803-19=	1	-/5
	1940	06	123*p*	**Telica** (Nicaragua)	1404-04=	2	
	1940	0620	64*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1940	07	?	**Dempo** (Sumatra)	0601-23=	2	
	1940	0712	24*a*	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	6/7
	1940	*0724*	*205m*	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*2*	
	1940	0731	....	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	3	
	1940	0818	1*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	5/5
	1940	09	31*p*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1940	*11*	*242q*	*Tolbachik (Kamchatka)*	1000-24=	*2*	*7/7*
	1940	1129	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
	1941	*Cont*	....	*Santorini (Greece)*	0102-04=	*2*	*7/-*
	1941	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*2*	
	1941	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1941	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1941	*Cont*	....	*Kaba (Sumatra)*	0601-22=	*2*	
	1941	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1941	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1941	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
	1941	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1941	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
	1941	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1941	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1941	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1941	?		? **Fournaise, Piton de la** (Indian O.)	0303-02=	1	
?	*1941*	....	*?*	*Telica (Nicaragua)*	1404-04=		
	1941	....	>3yr	**Poás** (Costa Rica)	1405-04=	1	
	1941	0119	<1	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1?	
	1941	0126	<1	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1941	0128	15*a*	**Krakatau** (Indonesia)	0602-00=	2	
	1941	0328	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=		
?	*1941*	*04*	*122p*	*Grímsvötn (Iceland-NE)*	1703-01=	*0*	
?	*1941*	*0415*	*?*	*Colima (Mexico)*	1401-04=	*3?*	
	1941	0428	120*a*	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	
	1941	0507	....	**Tolbachik** (Kamchatka)	1000-24=	3	7/7
?	*1941*	*0530*	*?*	*Rinjani (Lesser Sunda Is)*	0604-03=		
?	*1941*	*0605*	*?*	*Iliwerung (Lesser Sunda Is)*	0604-25=		
	1941	0606	298*p*	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	1941	0623	?	**Llaima** (Chile-C)	1507-11=	2	
	1941	*0822*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
	1941	0823h	?	**Ebulobo** (Lesser Sunda Is)	0604-10=	0?	
	1941	0913	?	**Mayon** (Luzon-Philippines)	0703-03=	1	
	1941	0921	145*m*	**Semeru** (Java)	0603-30=	2	7/-
	1941	10	? 923*m?*	**Etna** (Italy)	0101-06=	2	
	1941	*1022*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1941	1030	<1	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1941	1213	?	**Raung** (Java)	0603-34=	2	
	1942	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1942	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1942	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1942	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*2*	
	1942	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1942	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	*7/-*
	1942	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1942	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
	1942	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1942	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1942	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1942	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
	1942	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
?	*1942*	*e*	*?*	*Langila (New Britain-SW Pac)*	0502-01=	*1?*	
	1942	?	?	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	1	
	1942	....	?	**Kanaga** (Aleutian Is)	1101-11-	1	
	1942	....	....	**Pavlof** (Alaska Peninsula)	1102-03-	3	
?	*1942*	....	*?*	*Amiakchak (Alaska Peninsula)*	1102-09-		
	1942	....	365*y*	**Popocatépetl** (Mexico)	1401-09=	1	
	1942	0129	1*a*	**Krakatau** (Indonesia)	0602-00=	2	
	1942	0202	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	
?	*1942*	*0217*	*2a*	*Cotopaxi (Ecuador)*	1502-05=	*3?*	
	1942	0426	14*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
	1942	0530	>3yr	**Merapi** (Java)	0603-25=	2	6/6
	1942	0606	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
?	*1942*	*0608*	*14a*	*Aso (Kyushu-Japan)*	0802-11=	*1?*	

	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1942	0609	159*m*	**Llaima** (Chile-C)	1507-11=	2	
	1942	0630	1*a*	**Etna** (Italy)	0101-06=	2	6/5
	1942	0716	<1	**Sakura-jima** (Kyushu-Japan)	0802-08=	1	
	1942	0810	?	**Ruapehu** (New Zealand)	0401-10=	2	
	1942	0815	1*a*	**Papandayan** (Java)	0603-10=	1?	
	1942	0903	?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	1942	1005	20*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
	1942	1116	2	**Komaga-take** (Hokkaido-Japan)	0805-02=	3	-/6
	1943	*Cont*	....	*Vesuvius (Italy)*	0101-02=	*2*	*8/7*
	1943	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1943	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1943	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1943	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1943	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1943	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
	1943	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*1*	
	1943	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1943	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1943	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
	1943	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1943	....	?	**Long Island** (New Guinea-NE of)	0501-05=		
	1943	e	?	**Marapi** (Sumatra)	0601-14=		
	1943	....	?	**Krakatau** (Indonesia)	0602-00=	2	
	1943	....	?	**Mayon** (Luzon-Philippines)	0703-03=	1	
	1943	....	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
?	*1943*	....	*?*	*St. Paul Island (Alaska-W)*	1104-01-		
	1943	0201p	?	**Karymsky** (Kamchatka)	1000-13=	2	
	1943	0220	>3yr	**Michoacán [Paricutin]** (Mexico)	1401-06=	4	8/9
	1943	03	?	**Tolima, Nevado del** (Colombia)	1501-03=	2	
	1943	0317	93*a*	**Raung** (Java)	0603-34=	2	
?	*1943*	*0318*	*?*	*Slamet (Java)*	0603-18=		
	1943	*0320*	....	*Merapi (Java)*	0603-25=	*2*	*6/6*
	1943	0330?	56*e?*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
	1943	0407<	?	**Bagana** (Bougainville-SW Pacific)	0505-02=	1	
	1943	0413b	28*c?*	**Azul, Cerro** (Galapagos)	1503-06=	3	
	1943	06	?	**Okmok** (Aleutian Is)	1101-29-	1	
	1943	0621	3*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1943	*0918*	*347a*	*Waiowa (New Guinea)*	0503-04=	*2*	
	1943	0926	20*p*	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
	1943	1002	95*a*	**Slamet** (Java)	0603-18=	2	
S	**1943**	1005	1*a*	**Kick 'em Jenny** (W Indies)	1600-16=	0	
	1943	1103	?	**Dieng Volc Complex** (Java)	0603-20=	1	
	1943	1124	29*a>*	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	1943	12	121*p*	**Telica** (Nicaragua)	1404-04=	2	
	1943	*1203*	....	*Stromboli (Italy)*	0101-04=	*2?*	*7/-*
	1943	1209	67*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1943	1227	....	**Waiowa** (New Guinea)	0503-04=	3	
	1944	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	
	1944	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1944	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1944	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*6/6*
	1944	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1944	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1944	*Cont*	....	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1944	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
	1944	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	*8/9*
	1944	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1944	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1944	*Cont*	....	*Telica (Nicaragua)*	1404-04=	*2*	
	1944	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
	1944	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
?	*1944*	....	*?*	*Monowai Seamount (Kermadec Is)*	0402-05-	*0*	
	1944	....	?	**Bam** (New Guinea-NE of)	0501-01=	2	
?	*1944*	....	*?*	*Unnamed (New Guinea-NE of)*	0501-04=	*0*	
	1944	....	?	**Krakatau** (Indonesia)	0602-00=	2	
?	*1944*	....	*?*	*Goriaschaia Sopka (Kuril Is)*	0900-17=	*2*	
?	*1944*	....	*?*	*Tungurahua (Ecuador)*	1502-08=	*2*	
	1944	....	?	**Copahue** (Chile-C)	1507-09=		
	1944	....	?	**Llaima** (Chile-C)	1507-11=	2	
	1944	01	? 668*p?*	**Asama** (Honshu-Japan)	0803-11=	2	
	1944	0224	6*a*	**Reventador** (Ecuador)	1502-01=	3	
	1944	0318	....	**Vesuvius** (Italy)	0101-02=	3	8/7
	1944	0328	?	**Veniaminof** (Alaska Peninsula)	1102-07-	2	
	1944	04	611*p*	**Concepción** (Nicaragua)	1404-12=	2	
	1944	0411	20*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1944	0509	173*a*	**Slamet** (Java)	0603-18=	2	
	1944	0610	2*a*	**Cleveland** (Aleutian Is)	1101-24-	3	
	1944	0623	452*a*	**Usu** (Hokkaido-Japan)	0805-03=	2	7/6
	1944	0630	292*a*	**Raung** (Java)	0603-34=	2	
	1944	0702	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
	1944	*0723*	....	*Waiowa (New Guinea)*	0503-04=	*3*	
	1944	08	61*p*	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
	1944	*0820*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
?	*1944*	*0820j*	*?*	*Esmeralda Bank (Mariana Is-C Pacific)*	0804-21=	*0*	
	1944	10	?	**Ruapehu** (New Zealand)	0401-10=	2	
	1944	1105	>3yr	**Shiveluch** (Kamchatka)	1000-27=	2	8/-
	1944	1120	26*m*	**Kurikoma** (Honshu-Japan)	0803-21=	1	-/4

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Instituto de Geología, México (Luhr and Simkin, 1993)

The first lava flow from Paricutin, the renowned volcano born in a Mexican cornfield in 1943, moves northward over fields prepared for planting. The flows eventually buried the town of San Juan Parangaricutiro. An ash-rich plume rises from the new cone, which by this 5th day of the eruption, was already more than 150 m high.

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
? 1944	1125	<1	Shikotsu [Tarumai] (Hokkaido)	0805-04=	1?	
1944	12	?	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
1944	1201p	<1	**Fuego** (Guatemala)	1402-09=	2	
1944	1204	?	**Dieng Volc Complex** (Java)	0603-20=	2	
1944	1209	41a>	Kliuchevskoi (Kamchatka)	1000-26=	2	-/7
1944	1225	7a?	**Rinjani** (Lesser Sunda Is)	0604-03=	2	7/-
1945	Cont	....	Stromboli (Italy)	0101-04=	1	7/-
1945	Cont	....	Nyiragongo (Africa-C)	0203-03=	0	
1945	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1945	Cont	....	Merapi (Java)	0603-25=	2	6/6
1945	Cont	....	Raung (Java)	0603-34=	2	
1945	Cont	....	Rinjani (Lesser Sunda Is)	0604-03=	2	7/-
1945	Cont	....	Dukono (Halmahera-Indonesia)	0608-01=	2	
1945	Cont	....	Asama (Honshu-Japan)	0803-11=	2	
1945	Cont	....	Kita-Iwo-jima (Volcano Is-Japan)	0804-11=	0	
1945	Cont	....	Usu (Hokkaido-Japan)	0805-03=	1	7/6
1945	Cont	....	Shiveluch (Kamchatka)	1000-27=	2	8/-
1945	Cont	....	Pavlof (Alaska Peninsula)	1102-03-	2	
1945	Cont	....	Michoacán [Paricutin] (Mexico)	1401-06=	3	8/9
1945	Cont	....	Santa Maria (Guatemala)	1402-03=	1	9/8
1945	Cont	....	Izalco (El Salvador)	1403-03=	2	
1945	Cont	....	Concepción (Nicaragua)	1404-12=	2	
1945	Cont	....	Poás (Costa Rica)	1405-04=	1	
1945	Cont	....	Sangay (Ecuador)	1502-09=	2	
1945	....	730y	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
1945	....	?	**Krakatau** (Indonesia)	0602-00=	2	
? 1945	....	?	Chillán, Nevados de (Chile-C)	1507-07=		
1945	0101	....	**Kliuchevskoi** (Kamchatka)	1000-26=	3?	-/7
1945	0115q	?	**Lautaro** (Chile-S)	1508-06=	1	
1945	0225	<1	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
1945	03	?	**Great Sitkin** (Aleutian Is)	1101-12-	2	7/-
1945	0308	313m	Ruapehu (New Zealand)	0401-10=	2	7/-
1945	0331	4a	**Llaima** (Chile-C)	1507-11=	3	
1945	0415	21a	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
1945	0604	210m	**Okmok** (Aleutian Is)	1101-29-	2	7/-
1945	0605d	132m	**Etna** (Italy)	0101-06=	1	
1945	0612	6a	**Semeru** (Java)	0603-30=	2	
1945	0619	18a	**Kliuchevskoi** (Kamchatka)	1000-26=	3	7/7
1945	0623	?	**Mutnovsky** (Kamchatka)	1000-06=	2	
1945	0822	....	**Ruapehu** (New Zealand)	0401-10=	3	7/-
1945	09	?	**Karymsky** (Kamchatka)	1000-13=	2	
1945	09 ?	212t	**Maly Semiachik** (Kamchatka)	1000-14=	2	
1945	0916	3a	**Aso** (Kyushu-Japan)	0802-11=	2	
? 1945	0925?	?	Grimsvötn (Iceland-NE)	1703-01=	1?	
1945	1103	<1	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2	

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1946	Cont	....	Stromboli (Italy)	0101-04=	1	7/-
1946	Cont	....	Nyiragongo (Africa-C)	0203-03=	0	
1946	Cont	....	Bagana (Bougainville-SW Pacific)	0505-02=	2	
1946	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
1946	Cont	....	Dukono (Halmahera-Indonesia)	0608-01=	2	
1946	Cont	....	Maly Semiachik (Kamchatka)	1000-14=	2	
1946	Cont	....	Shiveluch (Kamchatka)	1000-27=	2	8/-
1946	Cont	....	Pavlof (Alaska Peninsula)	1102-03-	2	
1946	Cont	....	Michoacán [Paricutin] (Mexico)	1401-06=	3	8/9
1946	Cont	....	Santa Maria (Guatemala)	1402-03=	1	9/8
1946	Cont	....	Izalco (El Salvador)	1403-03=	2	
? 1946	....	?	Medvezhia (Kuril Is)	0900-10=	2	
? 1946	....	?	Mageik (Alaska Peninsula)	1102-15-	2?	
1946	....	365y	**Tupungatito** (Chile-C)	1507-01=	2	
1946	....	365y	**Chillán, Nevados de** (Chile-C)	1507-07=	2?	
1946	01	304p	**Sakura-jima** (Kyushu-Japan)	0802-08=	2	8/7
1946	02	243p	**Etna** (Italy)	0101-06=	1	
1946	02	91p	**Semeru** (Java)	0603-30=	2	
1946	0204d	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	2	7/-
1946	03	31p	**Puracé** (Colombia)	1501-06=	2	
1946	04	91p	**Ruapehu** (New Zealand)	0401-10=	2	
? 1946	04	?	Kirishima (Kyushu-Japan)	0802-09=	2	
1946	04	?	**Karymsky** (Kamchatka)	1000-13=	2	
1946	04	123p	**Telica** (Nicaragua)	1404-04=	2	
1946	0415q	?	**Kolokol Group** (Kuril Is)	0900-12=	2	
1946	0429	56a	**Aso** (Kyushu-Japan)	0802-11=	2	
1946	06	563p?	Masaya (Nicaragua)	1404-10=	0	
1946	0618	17a	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
1946	0723	?	**Llaima** (Chile-C)	1507-11=	2	
1946	0725	<1	**Krakatau** (Indonesia)	0602-00=	1	
1946	08	152p	**Shishaldin** (Aleutian Is)	1101-36-	2	
? 1946	0814	?	Great Sitkin (Aleutian Is)	1101-12-		
1946	09	31p	**Karymsky** (Kamchatka)	1000-13=	2	
1946	09	....	Sangay (Ecuador)	1502-09=	2	
1946	0909	8a	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	2	
1946	0914	<1	**Miravalles** (Costa Rica)	1405-03=	1	
1946	1023	31a?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	7/5
1946	1029	228m	**Semeru** (Java)	0603-30=	2	
1946	1029	1a	**Asama** (Honshu-Japan)	0803-11=	2	
1946	1104d	?	**Poás** (Costa Rica)	1405-04=	1	
1946	1109	2a	**Sarychev Peak** (Kuril Is)	0900-24=	4	
1946	1121	192a	**Ruapehu** (New Zealand)	0401-10=	1	
1946	1124	?	**Kurikoma** (Honshu-Japan)	0803-21=	2	
1946	12	31p	**Akutan** (Aleutian Is)	1101-32-	2	
1946	1201p	289q	**Manam** (New Guinea-NE of)	0501-02=	3	7/-

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1946	1226e	224*y*>	**Krakatau** (Indonesia)	0602-00=	2	
1946	1230	<1	**Aso** (Kyushu-Japan)	0802-11=	2	
1947	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1947	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1947	*Cont*	....	*Ruapehu (New Zealand)*	0401-10=	*1*	
1947	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/-*
1947	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1947	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1947	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
1947	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1947	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1947	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/-*
1947	*Cont*	....	*Akutan (Aleutian Is)*	1101-32-	*2*	
1947	*Cont*	....	*Shishaldin (Aleutian Is)*	1101-36-	*2*	
1947	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1947	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	*8/9*
1947	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
1947	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1947	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1947	*Cont*	....	*Tupungatito (Chile-C)*	1507-01=	*2*	
1947	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2?*	
1947 ?	....	?	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
? *1947*	....	?	*Kita-Fukutokutai (Volcano Is-Japan)*	0804-121	*0*	
1947	....	?	**Fuego** (Guatemala)	1402-09=	2	
1947	....	?	**Villarrica** (Chile-C)	1507-12=	1	
1947	01 <	?	**White Island** (New Zealand)	0401-04=	2	
? *1947*	*01*	?	*Niuafo'ou (Tonga-SW Pacific)*	0403-11=		
1947	01 ?	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	0?	
1947	01	?	**Tolbachik** (Kamchatka)	1000-24=	2?	
1947	01	30*p*	**Popocatépetl** (Mexico)	1401-09=	1	
1947	0108	37*m*	**Mayon** (Luzon-Philippines)	0703-03=	2	
1947	*0129*	*26a*	*Etna (Italy)*	0101-06=	*2*	
1947	02	?	**Erebus** (Antarctica)	1900-02=	2	
1947	0205	....	**Etna** (Italy)	0101-06=	3?	
1947	0209	<1	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1947	0224	17*a*	**Etna** (Italy)	0101-06=	1	7/4
1947	0313s	1*a*	**Bam** (New Guinea-NE of)	0501-01=	2	
1947	0329	388*a*	**Hekla** (Iceland-S)	1702-07=	4	8/8
1947	04	31*p*	**Sirung** (Lesser Sunda Is)	0604-27=	2	
1947	04	?	**Karymsky** (Kamchatka)	1000-13=	2	
1947	0427	?	**Puracé** (Colombia)	1501-06=	2	
1947	0526	112*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
1947	06	39*a*	**Asama** (Honshu-Japan)	0803-11=	1	-/5
? *1947*	*06*	?	*Iliamna (Alaska-SW)*	1103-02-		
1947	07	....	**Masaya** (Nicaragua)	1404-10=	1	
1947	0709	24*a*	**Negro, Cerro** (Nicaragua)	1404-07=	3	6/7
? *1947*	*0715*	?	*Galeras (Colombia)*	1501-08=	*2?*	
1947	0822	5*a*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1947	0902	148*a*	**Gede** (Java)	0603-06=	2	-/5
1947	12	?	**Gorely** (Kamchatka)	1000-07=	2	
1947	1201	20*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1948	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1948	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1948	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1948	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1948	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/-*
1948	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	*8/9*
1948	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
1948	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1948	*Cont*	....	*Hekla (Iceland-S)*	1702-07=	*0*	*8/8*
1948	....	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	1?	
1948	....	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
1948	....	730*y*	**Concepción** (Nicaragua)	1404-12=	1	
1948	....	>3yr	**Poás** (Costa Rica)	1405-04=	1	
1948	01	16*m*	**Telica** (Nicaragua)	1404-04=	2	
1948	0124	7*a*>	**Wolf** (Galápagos)	1503-02=	2	
? *1948*	*02*	?	*Grimsvötn (Iceland-NE)*	1703-01=	*0*	
1948	0214	23*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
1948	0215	69*a*	**Tengger Caldera [Bromo]** (Java)	0603-31=	3	
1948	0301	137*e*	**Nyamuragira** (Africa-C)	0203-02=	2	7/7
1948	0331	?	**Negro, Cerro** (Nicaragua)	1404-07=	2	
1948	0407	233*a*	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	6/6
1948	0409	251*m*	**Aso** (Kyushu-Japan)	0802-11=	1	
1948	0410	?	**Villarrica** (Chile-C)	1507-12=	2?	
1948	0422	55*a*	**Karthala** (Indian O.-W)	0303-01=	2	
1948	0429	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1948	0429	100*a*>	**Akutan** (Aleutian Is)	1101-32-	2	
1948	0430	16*m*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1948	*05*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
1948	0501	?	**Ruapehu** (New Zealand)	0401-10=	1	
1948	06	502*w*	**Telica** (Nicaragua)	1404-04=	2	
1948	0630p	?	**Azul, Cerro** (Galápagos)	1503-06=	0	
1948	0727	<1	**Sakura-jima** (Kyushu-Japan)	0802-08=	1	
1948	08	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2?	
1948	08	182*p*?	**Negra, Sierra** (Galápagos)	1503-05=	2	
1948	09	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	

U.S. Navy

An ash-rich eruption column rises above the summit of Vesuvius volcano in Italy in 1944, near the end of a long-duration eruption that began in 1913. The March 18 to April 4, 1944 paroxysmal phase included the emission of voluminous lava flows and vigorous explosions that left a 300-m-deep crater at the summit.

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1948	09	15*m*	**Masaya** (Nicaragua)	1404-10=	1	
1948	*0901*	*>3yr*	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	*2*	
1948	0922	*7a*	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	2	
1948	0929	*77m*	**Merapi** (Java)	0603-25=	2	6/-
1948	*1009*	*117a*	*Villarrica (Chile-C)*	1507-12=	*2*	
1948	*1018*	....	*Villarrica (Chile-C)*	1507-12=	*2*	
1948	*1104*	*>3yr*	*Izalco (El Salvador)*	1403-03=	*2*	
1948	1114	31*a*	**Slamet** (Java)	0603-18=	2	
1948	1115	82*a*	**Gede** (Java)	0603-06=	2	-/5
1948	12	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
1948	*1201p*	*>3yr*	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1949	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1949	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1949	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1949	*Cont*	....	*Gede (Java)*	0603-06=	*2*	*-/5*
1949	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1949	*Cont*	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	*2*	
1949	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/-*
1949	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	***8/9***
1949	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
1949	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1949	*Cont*	....	*Telica (Nicaragua)*	1404-04=	*2*	
1949	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*1*	
1949	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1949	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1949	*Cont*	....	*Negra, Sierra (Galápagos)*	1503-05=	*2*	
1949 <	....	?	**Matthew Island** (SW Pacific)	0508-01=	2	
1949	....	365*y*	**Rinjani** (Lesser Sunda Is)	0604-03=	0	
1949	....	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
1949 ?	....	?	**Azul, Cerro** (Galápagos)	1503-06=	0	
1949	0101	....	**Villarrica** (Chile-C)	1507-12=	3	
1949	0105	14*a*>	**Ruang** (Sangihe Is-Indonesia)	0607-01=	2	
1949	0106	145*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
1949	0204	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1949	0205	220	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	2	
1949	0209	*22a*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	5/-
1949	0310	228*a*	**Asama** (Honshu-Japan)	0803-11=	2	
1949	04	?	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	3	
1949	0409	20*a*	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	
1949	0415e	?	**Azul, Cerro** (Chile-C)	1507-06=	2?	
1949	0429	1*a*	**Marapi** (Sumatra)	0601-14=	2	
1949	05	?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1949	0512	?	**Krakatau** (Indonesia)	0602-00=	2	
1949	0526	16*a*	**Puracé** (Colombia)	1501-06=	2	
1949	06	?	**Trident** (Alaska Peninsula)	1102-16-		
1949	06	15*m*	**Negro, Cerro** (Nicaragua)	1404-07=	2	
1949	*0606*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
1949	0612	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1949	0624	36	**La Palma** (Canary Is)	1803-01-	2?	7/5
1949	0830	*2a*	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	1	-/5
1949	09	?	**Llaima** (Chile-C)	1507-11=	2	
1949	0914	?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	1	
1949	0914	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
? *1949*	*10*	?	*Fournaise, Piton de la (Indian O.)*	0303-02=	*2*	
1949	10	61*p*	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	3	
1949	10	>3yr	**Suwanose-jima** (Ryukyu Is)	0802-03=	2	
? *1949*	*10*	?	*Nakano-shima (Ryukyu Is)*	0802-04=	*1?*	
1949	1015e	*7c*	**Marapi** (Sumatra)	0601-14=	2	
1949	11	?	**Fuego** (Guatemala)	1402-09=	2	
1949	1202	3*a*	**Etna** (Italy)	0101-06=	2	7/5
1949	1203	347*m*	**Etna** (Italy)	0101-06=	1	
1949	1222	24*m*	**Tacaná** (Mexico)	1401-13=	1	
1949	1226	110*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
1949	1230	8*a*	**Great Sitkin** (Aleutian Is)	1101-12-	1	-/4
1950	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1950	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1950	*Cont*	....	*Rinjani (Lesser Sunda Is)*	0604-03=	*0*	
1950	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1950	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
1950	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/-*
1950	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	***8/9***
1950	*Cont*	....	*Tacaná (Mexico)*	1401-13=	*1*	
1950	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
1950	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1950	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*1*	
1950	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1950	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1950	....	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	1	
1950	....	365*y*	**Gareloi** (Aleutian Is)	1101-07-	1	
M **1950** ?	....	?	**Unnamed [East Pacific Rise]**	1304-05-	0	
? *1950*	....	?	*Villarrica (Chile-C)*	1507-12=		
1950	0110	23*a*	**Santorini** (Greece)	0102-04=	2	4/-
1950	0112	236*a*	**Galeras** (Colombia)	1501-08=	2	
1950	0115	?	**Kurikoma** (Honshu-Japan)	0803-21=	2	
1950	0124	777*a*?	**Heard** (Indian O.-S)	0304-01=	2	
? *1950*	*0201*	*<1*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	

START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1950	0210	9*a*	**Azuma** (Honshu-Japan)	0803-18=	1	
1950	0225	36*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
1950	03	395*p*	**Kaba** (Sumatra)	0601-22=	1	
1950	03	153*p*?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
1950	0327	?	**Bristol Island** (Antarctica)	1900-08=	2	
1950	0527	80*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
1950	0601	22*a*	**Mauna Loa** (Hawaiian Is)	1302-02=	0	8/-
1950	0616	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1950	0626	<1	**Ruapehu** (New Zealand)	0401-10=	1	
1950	0629	72*a*	**Sakura-jima** (Kyushu-Japan)	0802-08=	1	
@ **1950**	0702	47*a*?	**Trident** (Alaska Peninsula)	1102-16-	2?	
1950	0703	4*a*	**Krakatau** (Indonesia)	0602-00=	2	
1950	0716	347*a*	**Oshima** (Izu Is.-Japan)	0804-01=	*2*	7/6
1950	*0723*	*>3yr*	*Semeru (Java)*	0603-30=	*1*	
1950	0731	289*m*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
1950	0830	6*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
1950	0910	21	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	
1950	*0915*	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	*2*	
1950	0923	267*a*	**Asama** (Honshu-Japan)	0803-11=	1	-/5
1950	0926e	....	**Bagana** (Bougainville-SW Pacific)	0505-02=	3	
1950	0927	626*a*	**Marapi** (Sumatra)	0601-14=	2?	
1950	10	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
1950	*1020*	....	*Stromboli (Italy)*	0101-04=	*2?*	*7/-*
1950	1030	?	**Arjuno-Welirang** (Java)	0603-29=	2	
1950	11	61*p*	**Aso** (Kyushu-Japan)	0802-11=	2	
1950	1105	24*a*	**Great Sitkin** (Aleutian Is)	1101-12-		
1950	1121	26*a*	**Negro, Cerro** (Nicaragua)	1404-07=	3	5/7
1950	1125	373*a*	**Etna** (Italy)	0101-06=	2	8/6
1950	1201p	?	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
1950	*1206*	*354e*	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*3*	*-/8*
1951	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1951	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
1951	*Cont*	....	*Heard (Indian O.-S)*	0304-01=	*2*	
1951	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
1951	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1951	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1951	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
1951	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1951	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
1951	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
1951	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*2*	*7/6*
1951	*Cont*	....	*Gareloi (Aleutian Is)*	1101-07-	*1*	
1951	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	***8/9***
1951	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
1951	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
1951	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1951	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
? *1951*	....	?	*Ulawun (New Britain-SW Pac)*	0502-12=		
? *1951*	....	?	*Unnamed (New Britain-SW Pac)*	0502-131	*0*	
1951	....	....	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	4+	-/8
1951	....	?	**Iliboleng** (Lesser Sunda Is)	0604-22=	2?	
1951	....	?	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
? *1951*	....	?	*Korovin (Aleutian Is)*	1101-161		
1951	....	?	**Azul, Cerro** (Galápagos)	1503-06=		
1951	*0117*	*>3yr*	*Lamington (New Guinea)*	0503-01=	*3*	*8/-*
1951	0121	....	**Lamington** (New Guinea)	0503-01=	4	8/-
1951	0129	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
1951	02	?	**Akita-Yake-yama** (Honshu-Japan)	0803-26=	1	
1951	0211	?	**Slamet** (Java)	0603-18=	2	
1951	0301	<1	**Cereme** (Java)	0603-17=	2?	
1951	*0307*	....	*Kaba (Sumatra)*	0601-22=	*1*	
1951	0319	?	**Ruapehu** (New Zealand)	0401-10=	1	
1951	04	173*d*	**Shishaldin** (Aleutian Is)	1101-36-	2	
1951	05	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
1951	0504	92*p*?	**Aso** (Kyushu-Japan)	0802-11=	2	
1951	0522	<1	**Socorro** (México-Is)	1401-021	2?	
1951	0527	?	**Kunlun Volc Group** (China-W)	1004-03-	2	
? *1951*	*06*	?	*Fournaise, Piton de la (Indian O.)*	0303-02=	*0*	
1951	06	?	**Okataina [Rotomahana]** (New Zeal)	0401-05=	1	
1951	0612	70*a*	**Fogo** (Cape Verde Is)	1804-01=	2	7/-
1951	0626	185*a*	**Slamet** (Java)	0603-18=	2	
1951	07	>3yr	**Concepción** (Nicaragua)	1404-12=	2	
1951	*0702*	*623m*	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*2*	
1951	0715q	91*q*	**Fukujin** (Volcano Is-Japan)	0804-133	0	
1951	0715q	?	**Baransky** (Kuril Is)	0900-08=	1	
1951	0715q	92*q*	**Telica** (Nicaragua)	1404-04=	2	
@ **1951**	0722	?	**Martin** (Alaska Peninsula)	1102-14-		
1951	0723h	8*h*	**Ubinas** (Perú)	1504-02=	2	
1951	0725	3*a*	**Nyamuragira** (Africa-C)	0203-02=	1	-/4
1951	0728	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	2	
? *1951*	*0731*	*227m*	*Akan (Hokkaido-Japan)*	0805-07=	*1*	
1951	08	?	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
1951	0821	?	**Fonualei** (Tonga-SW Pacific)	0403-10=	2	
1951	0831	<1	**Kelut** (Java)	0603-28=	4	-/8
1951	0910	10*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	
1951	0921	251*a*	**Etna** (Italy)	0101-06=	1	
? *1951*	*0921*	?	*Bogoslof (Aleutian Is)*	1101-30-	*0*	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1951	10	?	**Akutan** (Aleutian Is)	1101-32-	2	
	1951	10	135*p?*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1951	1023	34*p*	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	3	
	1951	11	96*m*	**Láscar** (Chile-N)	1505-10=	2?	
?	*1951*	*1101*	*45m?*	*Cleveland (Aleutian Is)*	1101-24-		
	1951	1112	4*a*	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	
	1951	1116	61*a*	**Nyamuragira** (Africa-C)	0203-02=	2	7/5
	1951	1119	11*a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	7/6
?	*1951*	*1124*	*?*	*Unnamed (New Guinea-NE of)*	0501-04=	*0*	
	1951	1201p	?	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1951	1204	....	**Camiguin [Hibok-Hibok]** (Philippine	0701-08=	3	
	1951	1215	?	**Lewotolo** (Lesser Sunda Is)	0604-23=	2	
	1951	1220	?	**Makushin** (Aleutian Is)	1101-31-	1	
	1952	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
	1952	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*2*	*7/5*
	1952	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1952	*Cont*	....	*Heard (Indian O.-S)*	0304-01=	*2*	
	1952	*Cont*	....	*Lamington (New Guinea)*	0503-01=	*3*	*8/-*
	1952	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1952	*Cont*	....	*Slamet (Java)*	0603-18=	*2*	
	1952	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1952	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1952	*Cont*	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	*2*	
	1952	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
?	*1952*	*Cont*	....	*Akan (Hokkaido-Japan)*	0805-07=	*1*	
	1952	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
	1952	*Cont*	....	*Michoacán [Paricutin] (Mexico)*	1401-06=	*3*	*8/9*
	1952	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
	1952	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1952	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
	1952	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1952	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2?*	
	1952	....	?	**Mahawu** (Sulawesi-Indonesia)	0606-11=	2?	
?	*1952*	....	*?*	*Ambalatungan Group (Luzon-Philippines)*	0703-088	*1?*	
?	*1952*	....	*?*	*Aso (Kyushu-Japan)*	0802-11=		
?	*1952*	....	*?*	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
?	*1952*	....	*?*	*Makushin (Aleutian Is)*	1101-31-		
?	*1952*	....	*?*	*Iliamna (Alaska-SW)*	1103-02-		
	1952	01	151*p*	**Kerinci** (Sumatra)	0601-17=	2	
?	*1952*	*01*	*16m*	*Asama (Honshu-Japan)*	0803-11=	*1?*	
	1952	0115q	?	**Kolokol Group** (Kuril Is)	0900-12=	2	
	1952	0117	?	**Gareloi** (Aleutian Is)	1101-07-	2?	
	1952	02	137*m*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1952	0210?	2*a?*	**Karthala** (Indian O.-W)	0303-01=	2	
	1952	0229	229*m*	**Bagana** (Bougainville-SW Pacific)	0505-02=	4	
	1952	0316<	472*w>*	**Didicas** (Luzon-N of)	0704-02=	2	8/-
	1952	*0323*	*>3yr*	*Poás (Costa Rica)*	1405-04=	*1*	
	1952	0324	?	**Iliwerung** (Lesser Sunda Is)	0604-25=	1	
	1952	0401	27*a*	**Kaba** (Sumatra)	0601-22=	2	
	1952	0416	290*a?*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1952	0422	2*a*	**Ijen** (Java)	0603-35=	1	
	1952	0519	62*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
	1952	*0529*	....	*Marapi (Sumatra)*	0601-14=	*2*	
	1952	*0607*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
	1952	0607	7*a*	**Asama** (Honshu-Japan)	0803-11=	2	
?	*1952*	*0618*	*?*	*Azuma (Honshu-Japan)*	0803-18=	*1*	
?	*1952*	*0620*	*<1*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1952	0626	....	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	3	
	1952	0627	136*a*	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
	1952	07	?	**Ruapehu** (New Zealand)	0401-10=	1	
?	*1952*	*07*	*?*	*Dieng Volc Complex (Java)*	0603-20=	*1?*	
	1952	07	61*p*	**Nikko-Shirane** (Honshu-Japan)	0803-14=	2	
	1952	0704?	7*a?*	**Tangkubanparahu** (Java)	0603-09=	1	
	1952	0716	51*e*	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
	1952	0801	207*d*	**Bárcena** (Mexico-Is)	1401-02=	3	7/8
	1952	0810	138*e*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1952	0815e	?	**Arjuno-Welirang** (Java)	0603-29=	0	
	1952	0817	?	**Tokachi** (Hokkaido-Japan)	0805-05=		
	1952	0916	395*m*	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	2	7/-
	1952	1003	?	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	1	
	1952	1010	1*a*	**Krakatau** (Indonesia)	0602-00=	2	
	1952	1023	54*m*	**Pilas, Las** (Nicaragua)	1404-08=	1	
	1952	1026e	171*e*	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	2	
	1952	11	?	**Karymsky** (Kamchatka)	1000-13=	2	
	1952	1105	?	**Karpinsky Group** (Kuril Is)	0900-35=	1	
	1952	1112	7*a*	**Tao-Rusyr Caldera** (Kuril Is)	0900-31=	3	7/-
	1952	1129	228*m*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1952	1205d	?	**Maly Semiachik** (Kamchatka)	1000-14=	2	
	1953	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1953	*Cont*	....	*Lamington (New Guinea)*	0503-01=	*3*	*8/-*
	1953	*Cont*	....	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	*2*	
	1953	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1953	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1953	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*2*	
	1953	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1953	*Cont*	....	*Camiguin [Hibok-Hibok] (Philippine*	0701-08=	*2*	
	1953	*Cont*	....	*Didicas (Luzon-N of)*	0704-02=	*2*	*8/-*
	1953	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1953	*Cont*	....	*Bayonnaise Rocks (Izu Is-Japan)*	0804-07=	*2*	*7/-*
	1953	*Cont*	....	*Farallon de Pajaros (Mariana Is-Pac)*	0804-14=	*2*	
	1953	*Cont*	....	*Bárcena (Mexico-Is)*	1401-02=	*2*	*7/8*
	1953	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
	1953	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1953	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
	1953	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1953	....	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1953	....	365*y*	**Kita-Fukutokutai** (Volcano Is-Japan)	0804-121	0	
	1953	....	?	**Karymsky** (Kamchatka)	1000-13=	2	
?	*1953*	....	*365y*	*Korovin (Aleutian Is)*	1101-161		
	1953	....	?	**Akutan** (Aleutian Is)	1101-32-	*2*	
	1953	g	?	**Alcedo** (Galápagos)	1503-04=	0	
	1953	0131	75*e*	**Raung** (Java)	0603-34=	3	8/-
	1953	0212	7*a*	**Epi** (Vanuatu-SW Pacific)	0507-06=	3	
	1953	0212	?	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	1?	
	1953	0215	597*a?*	**Trident** (Alaska Peninsula)	1102-16-	3	8/7
@	**1953**	0217	?	**Martin** (Alaska Peninsula)	1102-14-		
?	*1953*	*0301*	*?*	*Iliamna (Alaska-SW)*	1103-02-	*2?*	
	1953	*0302*	*>3yr*	*Merapi (Java)*	0603-25=	*1*	*6/7*
	1953	0313	117*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	7/-
	1953	0317	48*a?*	**Krakatau** (Indonesia)	0602-00=	2	
	1953	0319	57*a>*	**Sangeang Api** (Lesser Sunda Is)	0604-05=	3	
	1953	0324	1*a*	**Dieng Volc Complex** (Java)	0603-20=	2	
	1953	04	121*p*	**Manam** (New Guinea-NE of)	0501-02=	2	
?	*1953*	*0404*	*72m*	*Lamongan (Java)*	0603-32=	*2?*	
	1953	0409	4*a*	**Fuego** (Guatemala)	1402-09=	3	
	1953	0427	95*a*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1953	05	151*m?*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
?	*1953*	*05*	*16m*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1953	05	....	**Poás** (Costa Rica)	1405-04=	2	
	1953	0508	244*a*	**Long Island** (New Guinea-NE of)	0501-05=	3	
	1953	*06*	*92p*	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	1953	06	?	**Sirung** (Lesser Sunda Is)	0604-27=		
	1953	0607	18*a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	7/6
?	*1953*	*0625*	*?*	*Cleveland (Aleutian Is)*	1101-24-		
	1953	*0627*	*>3yr*	*St. Andrew Strait [Tuluman]*	0500-01=	*0*	*8/-*
	1953	0709	7*a*	**Spurr** (Alaska-SW)	1103-04-	4	
	1953	0710	....	**Bagana** (Bougainville-SW Pacific)	0505-02=	3	
?	*1953*	*0720*	*?*	*Unnamed (Mexico)*	1401-008	*0*	
?	*1953*	*0730*	*?*	*Etna (Italy)*	0101-06=	*2*	
	1953	08	61*p*	**Slamet** (Java)	0603-18=	2	
	1953	0820	90*a*	**Heard** (Indian O.-S)	0304-01=	2	
	1953	0827	142*m*	**Negra, Sierra** (Galápagos)	1503-05=	3?	
	1953	0904	1*a*	**Iya** (Lesser Sunda Is)	0604-11=	2?	
	1953	0914?	<1	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
	1953	0921	65*a*	**Krakatau** (Indonesia)	0602-00=	2	
	1953	1004c	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
	1953	1005	126*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	5/4
	1953	1015q	?	**Rinjani** (Lesser Sunda Is)	0604-03=	0?	
	1953	1024	5*a*	**Nasu** (Honshu-Japan)	0803-15=	1	
S	**1953**	1030	<1	**Kick 'em Jenny** (W Indies)	1600-16=	0	
?	*1953*	*11*	*?*	*Epi (Vanuatu-SW Pacific)*	0507-06=	*0*	
	1953	11	?	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
	1953	*1125*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
	1953	1125	264*m*	**Pavlof** (Alaska Peninsula)	1102-03-	1?	
	1953	12	16*m*	**Aso** (Kyushu-Japan)	0802-11=	1	
?	*1953*	*1201*	*<1*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1953	*1227*	*583a*	*Asama (Honshu-Japan)*	0803-11=	*2*	
	1953	1228<	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	0	
?	*1953*	*1231y*	*?*	*Candlemas Island (Antarctica)*	1900-10=	*0*	
	1954	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1954	*Cont*	....	*Long Island (New Guinea-NE of)*	0501-05=	*2*	
	1954	*Cont*	....	*Lamington (New Guinea)*	0503-01=	*3*	*8/-*
	1954	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1954	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1954	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1954	*Cont*	....	*Asama (Honshu-Japan)*	0803-11=	*2*	
	1954	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	*5/4*
	1954	*Cont*	....	*Kita-Fukutokutai (Volcano Is-Japan)*	0804-121	*0*	
?	*1954*	*Cont*	....	*Korovin (Aleutian Is)*	1101-161		
	1954	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*1?*	
	1954	*Cont*	....	*Trident (Alaska Peninsula)*	1102-16-	*2*	*8/7*
	1954	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
	1954	*Cont*	....	*Izalco (El Salvador)*	1403-03=	*2*	
	1954	*Cont*	....	*Concepción (Nicaragua)*	1404-12=	*2*	
	1954	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*2*	
	1954	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1954	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1954	?	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	0	
	1954	01	334*p*	**Fournaise, Piton de la** (Indian O.)	0303-02=		
	1954	0107?	87*m*	**Akan** (Hokkaido-Japan)	0805-07=	1?	
	1954	0115q	?	**Grímsvötn** (Iceland-NE)	1703-01=	1	
	1954	0118	....	**Merapi** (Java)	0603-25=	2?	6/7
	1954	02	14*m*	**Negro, Cerro** (Nicaragua)	1404-07=	2?	
	1954	*0201*	....	*Stromboli (Italy)*	0101-04=	*2?*	*7/-*

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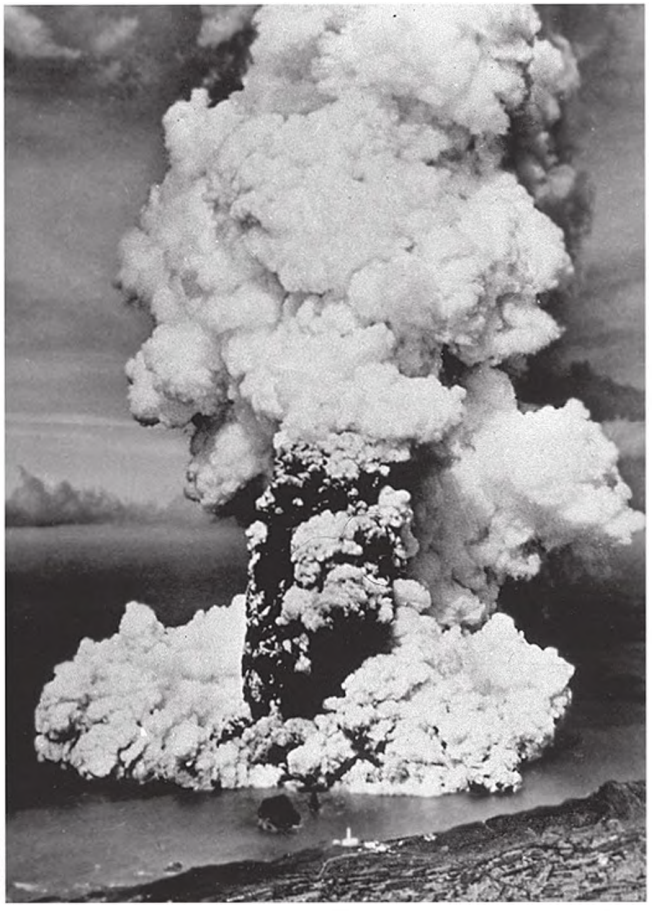
	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1957	0226	203*a*	**Akan** (Hokkaido-Japan)	0805-07=	1	
?	*1957*	*0311*	*1a*	*Vsevidof (Aleutian Is)*	1101-27-	*2*	
	1957	0313	<1	**Gede** (Java)	0603-06=	2	
	1957	0327	111*m*	**Concepción** (Nicaragua)	1404-12=	2	
	1957	0328	<1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	-/3
	1957	0412	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
	1957	05	?	**Chikurachki** (Kuril Is)	0900-36=	2	
	1957	0502	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
	1957	0514	>3yr	**Colima** (México)	1401-04=	1	
	1957	06	?	**Fonualei** (Tonga-SW Pacific)	0403-10=		
	1957	0731	<1	**Bezymianny** (Kamchatka)	1000-25=	2	
	1957	08	122*p*	**Oshima** (Izu Is-Japan)	0804-01=	1	-/4
	1957	0801	1	**Visoke** (Africa-C)	0203-05-	1	5/5
?	*1957*	*0820*	*<1*	*Tokachi (Hokkaido-Japan)*	0805-05=	*1*	
	1957	0825	251*a*	**Etna** (Italy)	0101-06=	2	
	1957	0826e	50*n*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	1?	
	1957	0902	75*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
	1957	0904	20*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	6/6
	1957	0927	392*a*	**Fayal** (Azores)	1802-01=	2	7/7
	1957	*10*	*425p*	*Aso (Kyushu-Japan)*	0802-11=	*1*	*-/5*
	1957	10	?	**Rasshua** (Kuril Is)	0900-22=	1	
	1957	1026	<1	**Bam** (New Guinea-NE of)	0501-01=	1	
	1957	*1112*	*19a*	*Zavaritzki Caldera (Kuril Is)*	0900-18=	*2*	
?	*1957*	*1121*	*3a*	*Unnamed [Lomonosov Ridge] (Arctic)*	1707-01-	*0*	
	1957	1128	....	**Zavaritzki Caldera** (Kuril Is)	0900-18=	3	
	1957	1210	....	**Manam** (New Guinea-NE of)	0501-02=	3	7/7
	1957	1211	?	**White Island** (New Zealand)	0401-04=	2	
	1957	1228	?	**Nyamuragira** (Africa-C)	0203-02=	0	6/-
	1958	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1958	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1958	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1958	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*6/7*
	1958	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1958	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1958	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1958	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	



U.S. Air Force

A column of ash and steam towers above a new submarine vent off the western coast of Fayal Island in October 1957. Horizontally traveling base surges form a ring at the base of the eruption column. Explosive eruptions formed a small island that eventually was joined to the main island, partially burying the Capelinhos lighthouse, visible on the center shoreline.

	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1958	*Cont*	....	*Trident (Alaska Peninsula)*	1102-16-	*2*	
	1958	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1958	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1958	*Cont*	....	*Fayal (Azores)*	1802-01=	*2*	*7/7*
?	*1958*	*Cont*	....	*Erebus (Antarctica)*	1900-02=		
	1958	....	?	**Sangeang Api** (Lesser Sunda Is)	0604-05=	1?	
	1958	....	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
	1958	....	?	**Medvezhia** (Kuril Is)	0900-10=	1	
	1958	....	....	*Santa Maria (Guatemala)*	1402-03=	*2*	*9/8*
	1958	....	*>3yr*	*Poás (Costa Rica)*	1405-04=	*1*	
	1958	01	29*m*	**Bezymianny** (Kamchatka)	1000-25=	1	
	1958	01	?	**Tupungatito** (Chile-C)	1507-01=	2	
	1958	*0110*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
	1958	0201r	?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1958	0206<	?	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	1	
	1958	0219	672*a*	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	1958	0223	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1958	0311j	39*j?*	**Bam** (New Guinea-NE of)	0501-01=	2	
	1958	0417	20*a*	**Slamet** (Java)	0603-18=	2	
	1958	0417	57*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	-/4
	1958	0421	44*d*	**Langila** (New Britain-SW Pac)	0502-01=	2	
	1958	0517	103*a*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1958	0518	92*a>*	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1958	0521	?	**Bezymianny** (Kamchatka)	1000-25=	1	
	1958	0526	1*a*	**Chikurachki** (Kuril Is)	0900-36=	2	
	1958	0530	113*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1958	0623	<1*?*	**Marapi** (Sumatra)	0601-14=	1	
	1958	0624	....	**Aso** (Kyushu-Japan)	0802-11=	2	-/5
?	*1958*	*0701*	*92a*	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
S	**1958**	0709	>3yr	**Rumble III** (New Zealand)	0401-13-	0	
	1958	0712	17*a*	**Mahawu** (Sulawesi-Indonesia)	0606-11=	2?	
	1958	0713<	?	**Tolbachik** (Kamchatka)	1000-24=	2?	
?	*1958*	*08*	*31p*	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1958	0807	107*a*	**Nyamuragira** (Africa-C)	0203-02=	2	7/6
	1958	0814	12*j*	**Okmok** (Aleutian Is)	1101-29-	3	8/-
	1958	09 ?	61*p?*	**Epi** (Vanuatu-SW Pacific)	0507-06=	2?	
	1958	09 ?	106*m>*	**Fernandina** (Galápagos)	1503-01=	2	7/-
	1958	0905	5*a*	**Bam** (New Guinea-NE of)	0501-01=	2	
	1958	0913	53*d*	**Slamet** (Java)	0603-18=	2	
	1958	1002	266*d*	**Krakatau** (Indonesia)	0602-00=	2	
	1958	*1003*	*327e*	*Asama (Honshu-Japan)*	0803-11=	*1*	*-/5*
	1958	1004	<1	**Tokachi** (Hokkaido-Japan)	0805-05=	1	
	1958	*1007?*	*72a?*	*Kuwae [Karua] (Vanuatu-SW Pac)*	0507-07=	*0*	
	1958	1017	8*a*	**Marapi** (Sumatra)	0601-14=	1	
	1958	11	31*p*	**Etna** (Italy)	0101-06=	1	
	1958	11	?	**Reventador** (Ecuador)	1502-01=	3	
	1958	1105	13*a?*	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1958	1106	410*a*	**Villarrica** (Chile-C)	1507-12=	1	
	1958	1110	....	**Asama** (Honshu-Japan)	0803-11=	2	-/5
	1958	1118	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2?	
	1958	1121	11*a?*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	0	
	1958	12	?	**White Island** (New Zealand)	0401-04=	1	
	1958	1218	....	**Kuwae [Karua]** (Vanuatu-SW Pac)	0507-07=	2?	
	1958	*1228*	*92a*	*Bezymianny (Kamchatka)*	1000-25=	*1*	
	1958	1231u	549*u?*	**Tofua** (Tonga-SW Pacific)	0403-06=	2	
	1958	1231y	?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	
	1959	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
S	*1959*	*Cont*	....	*Rumble III (New Zealand)*	0401-13-	*0*	
	1959	*Cont*	....	*Tofua (Tonga-SW Pacific)*	0403-06=	*2*	
	1959	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1959	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1959	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*2*	
	1959	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1959	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1959	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1959	*Cont*	....	*Trident (Alaska Peninsula)*	1102-16-	*2*	
	1959	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1959	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
	1959	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
?	*1959*	....	?	*Niuafo'ou (Tonga-SW Pacific)*	0403-11=		
	1959	?	318*w?*	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
?	*1959*	....	?	*Traitor's Head (Vanuatu-SW Pacific)*	0507-09=		
	1959	....	?	**Bayonnaise Rocks** (Izu Is-Japan)	0804-07=	0	
?	*1959*	....	?	*Kita-Fukutokutai (Volcano Is-Japan)*	0804-121	*0*	
	1959	....	?	**Zhupanovsky** (Kamchatka)	1000-12=	2	
	1959	....	365*y*	**Tolbachik** (Kamchatka)	1000-24=	2	
	1959	....	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
	1959	....	?	**San José** (Chile-C)	1507-02=	2	
	1959	....	?	**Kverkfjöll** (Iceland-NE)	1703-05=		
	1959	01	16*m*	**Oshima** (Izu Is-Japan)	0804-01=	1	
	1959	0103	?	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1959	0123	55*a*	**Cameroon** (Africa-W)	0204-01=	2	6/-
	1959	0213	4*a*	**Kirishima** (Kyushu-Japan)	0802-09=	2	-/6
	1959	0228	....	**Bezymianny** (Kamchatka)	1000-25=	2	
	1959	0311	148*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
	1959	0323	33*e*	**Etna** (Italy)	0101-06=	1	
	1959	0326e	?	**Tupungatito** (Chile-C)	1507-01=	2	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1962	*Cont*	....	*Tristan da Cunha (Atlantic-S)*	1806-01=	*2*	
?	*1962 ?*	....	*?*	*Karkar (New Guinea-NE of)*	0501-03=	*2?*	
	1962	01	30*p*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1962	01	>3yr	**Oshima** (Izu Is-Japan)	0804-01=	1	
	1962	01	16*m*	**Telica** (Nicaragua)	1404-04=	1	
	1962	01	?	**Planchón-Peteroa** (Chile-C)	1507-04=	1	
	1962	0109	....	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	3	
	1962	0124	?	**Kiska** (Aleutian Is)	1101-02-	3	
	1962	0129	701*m*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1962	0215	502*w*	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
	1962	03	513*m*	**Langila** (New Britain-SW Pac)	0502-01=	2	
	1962	0305	?	**Protector Shoal** (Antarctica)	1900-14-	0	-/8
	1962	0314	<1	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	1	
	1962	0321	24*m?*	**Negro, Cerro** (Nicaragua)	1404-07=	2	
	1962	04	?	**Manam** (New Guinea-NE of)	0501-02=	2	
	1962	04	214*p*	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	1	
	1962	0428	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1962	0524	?	**Tongariro [Ngauruhoe]** (New Zeal)	0401-08=	2	
	1962	06	15*m*	**Concepción** (Nicaragua)	1404-12=	2	
	1962	0609	<1	**Trident** (Alaska Peninsula)	1102-16-	3	
	1962	0617	377*a*	**Yake-dake** (Honshu-Japan)	0803-07=	2	-/6
	1962	0629	78*m*	**Tokachi** (Hokkaido-Japan)	0805-05=	3	-/7
	1962	07	< ?	**Gaua** (Vanuatu-SW Pacific)	0507-02=	2?	
	1962	07	16*m?*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	0	
?	*1962*	*0701*	*92a*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1962	08	320*w*	**Tolbachik** (Kamchatka)	1000-24=	1	
	1962	*0804*	*97a*	*Fuego (Guatemala)*	1402-09=	*2*	*6/7*
	1962	0824	2 *?*	**Miyake-jima** (Izu Is-Japan)	0804-04=	2	6/6
	1962	1017	....	**Karymsky** (Kamchatka)	1000-13=	3	6/7
	1962	1021	16*a*	**Bezymianny** (Kamchatka)	1000-25=	2	
	1962	1105	d ?	**Akutan** (Aleutian Is)	1101-32-	2	
	1962	*1107*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*3*	
	1962	1109	....	**Fuego** (Guatemala)	1402-09=	3	6/7
	1962	1113	....	**Kliuchevskoi** (Kamchatka)	1000-26=	3	-/6
	1962	1207	2	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
	1962	1215	?	**White Island** (New Zealand)	0401-04=	3	
	1962	1231	2*a?*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	1963	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1963	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1963	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
	1963	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1963	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	
	1963	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	1963	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1963	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	*6/-*
	1963	*Cont*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*2*	
	1963	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1963	*Cont*	....	*Gamalama (Halmahera-Indonesia)*	0608-06=	*2*	
	1963	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1963	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1963	*Cont*	....	*Yake-dake (Honshu-Japan)*	0803-07=	*2*	*-/6*
	1963	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	
	1963	*Cont*	....	*Tolbachik (Kamchatka)*	1000-24=	*1*	
	1963	*Cont*	....	*Pavlof (Alaska Peninsula)*	1102-03-	*2*	
	1963	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1963	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1963	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1963	....	?	**Talang** (Sumatra)	0601-16=	2	
	1963	....	>3yr	**Colima** (Mexico)	1401-04=	1	
S	**1963**	01	>3yr	**Rumble III** (New Zealand)	0401-13-	0	
	1963	02	91*p>*	**Manam** (New Guinea-NE of)	0501-02=	2	
	1963	0213	?	**Amukta** (Aleutian Is)	1101-19-	3	
	1963	0214	?	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	1	
	1963	*0218*	*344a*	*Agung (Lesser Sunda Is)*	0604-02=	*3*	*8/9*
	1963	*0225?*	*208a>*	*Villarrica (Chile-C)*	1507-12=	*2*	
	1963	03	?	**Negro, Cerro** (Nicaragua)	1404-07=	1	
	1963	0304	12*a>*	**Wolf** (Galápagos)	1503-02=	0	
	1963	0308	481*w*	**Ebeko** (Kuril Is)	0900-38=	1	-/3
	1963	0313	702*a*	**Irazú** (Costa Rica)	1405-06=	3	
	1963	0317	49*a?*	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1963	0317	....	**Agung** (Lesser Sunda Is)	0604-02=	**5**	**8/9**
	1963	*0322*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*-/6*
	1963	0401	2*a>*	**Trident** (Alaska Peninsula)	1102-16-	3	
	1963	0413	30*c?*	**Negra, Sierra** (Galápagos)	1503-05=	2	
	1963	0421	86*m*	**Aso** (Kyushu-Japan)	0802-11=	1	
	1963	05	122*p?*	**Bezymianny** (Kamchatka)	1000-25=	1	
	1963	0502	....	**Villarrica** (Chile-C)	1507-12=	3?	
	1963	0505	....	**Semeru** (Java)	0603-30=	2	
	1963	0509	?	**Concepción** (Nicaragua)	1404-12=	1	
	1963	*0511*	....	*Karymsky (Kamchatka)*	1000-13=	*3*	*6/7*
	1963	*0516*	....	*Agung (Lesser Sunda Is)*	0604-02=	*4*	*8/9*
	1963	0523	40*a*	**Poás** (Costa Rica)	1405-04=	2	
	1963	07	?	**Kerinci** (Sumatra)	0601-17=	2	
	1963	*0703*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1963	*0707*	*724w*	*Lopevi (Vanuatu-SW Pacific)*	0507-05=	*2*	
	1963	0710	82*a*	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	1	
?	*1963*	*0710*	*1a*	*Nasu (Honshu-Japan)*	0803-15=	*1*	
	1963	0821	1	**Kilauea** (Hawaiian Is)	1302-01-	0	4/-
	1963	0830	24*a>*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1963	0905	247*a*	**Batur** (Lesser Sunda Is)	0604-01=	2	7/5
S	**1963**	0911	294*w*	**Unnamed** (SW Pacific)	0508-03-	0	
	1963	0915	e 55*e>*	**Gaua** (Vanuatu-SW Pacific)	0507-02=	2	
	1963	0928	3*a*	**Fuego** (Guatemala)	1402-09=	3	-/6
	1963	1005	1	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
	1963	1011	313*a*	**Augustine** (Alaska-SW)	1103-01-	2	7/6
	1963	1017	31*a?*	**Trident** (Alaska Peninsula)	1102-16-	3	
?	*1963*	*1027*	*?*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1963	11	< ?	**Erebus** (Antarctica)	1900-02=	0	
	1963	1107	14*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	-/7
	1963	*1108*	*>3yr*	*Vestmannaeyjar [Surtsey]*	1702-01=	*0*	*8/8*
	1963	1110	66*m?*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1963	1113	397*m?*	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1963	1114	....	**Vestmannaeyjar [Surtsey]**	1702-01=	3	8/8
	1963	1120	1*a*	**Nasu** (Honshu-Japan)	0803-15=	1	
	1963	1126	142*m*	**Manam** (New Guinea-NE of)	0501-02=	2	6/-
	1963	*1214*	*48a?*	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	*0*	
?	*1963*	*1215<*	*?*	*Pico (Azores)*	1802-02=	*0*	
	1963	1217	120*m*	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	1963	1228	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
	1963	1231	807*a*	**Paluweh** (Lesser Sunda Is)	0604-15=	2	7/-
	1964	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1964	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
	1964	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
S	*1964*	*Cont*	....	*Rumble III (New Zealand)*	0401-13-	*0*	
	1964	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
S	*1964*	*Cont*	....	*Unnamed (SW Pacific)*	0508-03-	*0*	
	1964	*Cont*	....	*Semeru (Java)*	0603-30=	*1*	
	1964	*Cont*	....	*Batur (Lesser Sunda Is)*	0604-01=	*2*	*7/5*
	1964	*Cont*	....	*Agung (Lesser Sunda Is)*	0604-02=	*2*	*8/9*
	1964	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*2*	
	1964	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1964	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1964	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1964	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	
	1964	*Cont*	....	*Ebeko (Kuril Is)*	0900-38=	*1*	*-/3*
	1964	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*6/7*
	1964	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*1*	
	1964	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1964	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1964	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1964	*Cont*	....	*Vestmannaeyjar [Surtsey]*	1702-01=	*2*	*8/8*
	1964	?	>3yr	**Unnamed** (Pacific-E)	1304-10-	0	**10**/-
?	*1964*	....	*?*	*Negro, Cerro (Nicaragua)*	1404-07=	*2?*	
	1964	....	?	**Llaima** (Chile-C)	1507-11=	2	
	1964	*01*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*6/-*
	1964	0102	....	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1964	*0114*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1964	0129	670*p?*	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	6/-
	1964	02	? 943*p>*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1964	*02*	....	*Paluweh (Lesser Sunda Is)*	0604-15=	*2*	*7/-*
	1964	*0201*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1964	0201	12*k*	**Chikurachki** (Kuril Is)	0900-36=	2	
	1964	0208	240*a>*	**Sirung** (Lesser Sunda Is)	0604-27=	1	
	1964	0214	<1	**Dempo** (Sumatra)	0601-23=	2	
?	*1964*	*0218*	*?*	*San Jorge (Azores)*	1802-03=	*0*	
	1964	03	16*m*	**Nila** (Banda Sea)	0605-06=	1?	
	1964	03	39*m>*	**Tolbachik** (Kamchatka)	1000-24=	2	
	1964	0302	50*a*	**Villarrica** (Chile-C)	1507-12=	2	
	1964	0310	37*a*	**Westdahl** (Aleutian Is)	1101-34-	2	
	1964	0318	?	**Kiska** (Aleutian Is)	1101-02-	0	
	1964	0408	....	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	
?	*1964*	*0414*	*?*	*Esmeralda Bank (Mariana Is-C Pacific)*	0804-21=	*2*	
	1964	*0414*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1964	0424	434*w*	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
	1964	0430	8*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	
	1964	0514	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
	1964	0531	?	**Trident** (Alaska Peninsula)	1102-16-	3?	
	1964	0618	16*a?*	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1964	0625	87*a*	**Bezymianny** (Kamchatka)	1000-25=	2	6/-
	1964	*0706*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1964	0708	<1 *?*	**Kerinci** (Sumatra)	0601-17=	2	
	1964	0803	47*a>*	**Tupungatito** (Chile-C)	1507-01=	2	
	1964	*0819*	....	*Augustine (Alaska-SW)*	1103-01-	*1*	*7/6*
	1964	*0917*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1964	10	792*m*	**Aso** (Kyushu-Japan)	0802-11=	2	
	1964	1023	24*m*	**San Miguel** (El Salvador)	1403-10=	2	
	1964	1112	<1	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
	1964	*1119*	*157a?*	*Raoul Island (Kermadec Is)*	0402-03=	*0*	
	1964	1121	....	**Raoul Island** (Kermadec Is)	0402-03=	2	
	1964	1204	d 658*g*	**Langila** (New Britain-SW Pac)	0502-01=	2	
	1964	1213	<1	**Dieng Volc Complex** (Java)	0603-20=	1	
	1964	1221	56*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2?	7/-
	1964	1225	1*a*	**Bezymianny** (Kamchatka)	1000-25=	1	
	1964	1225	80*m*	**Poás** (Costa Rica)	1405-04=	2	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1965	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1965	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
	1965	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1965	*Cont*	....	*Fournaise, Piton de la (Indian O.)*	0303-02=	*2*	*7/-*
S	*1965*	*Cont*	....	*Rumble III (New Zealand)*	0401-13-	*0*	
	1965	*Cont*	....	*Raoul Island (Kermadec Is)*	0402-03=	*1*	
	1965	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	
	1965	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	1965	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
	1965	*Cont*	....	*Lopevi (Vanuatu-SW Pacific)*	0507-05=	*2*	
	1965	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1965	*Cont*	....	*Sangeang Api (Lesser Sunda Is)*	0604-05=	*2*	*6/-*
	1965	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1965	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1965	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1965	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1965	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
	1965	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*2*	
	1965	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1965	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1965	*Cont*	....	*Vestmannaeyjar [Surtsey]*	1702-01=	*2*	*8/8*
	1965	....	208*w*>	**Manam** (New Guinea-NE of)	0501-02=	2	6/-
	1965 ?	....	?	**Krakatau** (Indonesia)	0602-00=	1?	
	1965	....	?	**Tolbachik** (Kamchatka)	1000-24=	1	
M	**1965** ?	....	?	**Southern EPR-Segment K** (Pacific)	1304-12-	0	
?	*1965*	....	*?*	*Chillán, Nevados de (Chile-C)*	1507-07=		
	1965	0116	12*a*	**Telica** (Nicaragua)	1404-04=	1	
	1965	*0131*	....	*Irazú (Costa Rica)*	1405-06=	*3*	
	1965	02	30*m*	**Tangkubanparahu** (Java)	0603-09=	1	
	1965	*0211*	....	*Paluweh (Lesser Sunda Is)*	0604-15=	*2*	*7/-*
	1965	0305	10	**Kilauea** (Hawaiian Is)	1302-01-	0	7/-
	1965	0309	>3yr	**Bezymianny** (Kamchatka)	1000-25=	3	7/7
	1965	0405d	801*n*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	1965	0507	11*a*	**Sirung** (Lesser Sunda Is)	0604-27=	1	
	1965	0515e	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1965	0515e	639*n*	**Karymsky** (Kamchatka)	1000-13=	3	
	1965	0523	<1	**Asama** (Honshu-Japan)	0803-11=	2	
	1965	*0704*	*>3yr*	*Pacaya (Guatemala)*	1402-11=	*2*	
	1965	0710	<1	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	1	
	1965	0712	<1	**Karthala** (Indian O.-W)	0303-01=	2?	5/-
	1965	08 ?	16*m*?	**Ebeko** (Kuril Is)	0900-38=	1	
	1965	*08*	*498m*	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*8/7*
	1965	0809	327*w*	**Suretamatai** (Vanuatu-SW Pacific)	0507-01=	2	
	1965	0818	119*m*	**Batur** (Lesser Sunda Is)	0604-01=	1	
	1965	09	?	**Rinjani** (Lesser Sunda Is)	0604-03=	0	
	1965	0927	3*a*>	**Gaua** (Vanuatu-SW Pacific)	0507-02=	3	
	1965	0928	2	**Taal** (Luzon-Philippines)	0703-07=	4	-/7
	1965	10	16*m*	**Tangkubanparahu** (Java)	0603-09=	1	
	1965	*1010?*	*>3yr*	*Masaya (Nicaragua)*	1404-10=	*0*	
	1965	1019	....	**Pacaya** (Guatemala)	1402-11=	3	
	1965	*1021*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
S	**1965**	1024	<1	**Kick 'em Jenny** (W Indies)	1600-16=	0	
	1965	1102	<1	**Sirung** (Lesser Sunda Is)	0604-27=	1	
S	**1965**	1113	22*d*	**Tori-shima** (Izu Is-Japan)	0804-09=	0	
	1965	1123	200*a*	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	3	
	1965	1125	201*a*	**Oshima** (Izu Is-Japan)	0804-01=	1	
	1965	1209	<1	**Sarychev Peak** (Kuril Is)	0900-24=	2	
	1965	*1209*	....	*Pacaya (Guatemala)*	1402-11=	*3*	
	1965	1211	2*a*	**Kavachi** (Solomon Is-SW Pacific)	0505-06-	2	
	1965	1224	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
	1966	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1966	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
S	*1966*	*Cont*	....	*Rumble III (New Zealand)*	0401-13-	*0*	
	1966	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*6/-*
	1966	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	
	1966	*Cont*	....	*Suretamatai (Vanuatu-SW Pacific)*	0507-01=	*2*	
	1966	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
	1966	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1966	*Cont*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*2*	
	1966	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1966	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1966	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1966	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1966	*Cont*	....	*Oshima (Izu Is-Japan)*	0804-01=	*1*	
	1966	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*1*	
	1966	*Cont*	....	*Bezymianny (Kamchatka)*	1000-25=	*1*	*7/7*
	1966	*Cont*	....	*Unnamed (Pacific-E)*	1304-10-	*0*	
	1966	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1966	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
	1966	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1966	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1966	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1966	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1966	*Cont*	....	*Vestmannaeyjar [Surtsey]*	1702-01=	*2*	*8/8*
	1966	....	?	**Gaua** (Vanuatu-SW Pacific)	0507-02=	2	
	1966	....	?	**Slamet** (Java)	0603-18=	2	
	1966 ?	....	?	**Trident** (Alaska Peninsula)	1102-16-		
?	*1966*	....	*?*	*Reykjanes (Iceland-SW)*	1701-02=	*0*	
	1966	0110	>3yr	**Etna** (Italy)	0101-06=	2	7/-
	1966	*0113*	....	*Tinakula (Santa Cruz Is-SW Pacific)*	0506-01=	*2*	
	1966	0124	27*a*	**Redoubt** (Alaska-SW)	1103-03-	3	
	1966	02	....	**Kliuchevskoi** (Kamchatka)	1000-26=	3	8/7
	1966	*0204*	....	*Redoubt (Alaska-SW)*	1103-03-	*3*	
	1966	*0207*	*72a*	*Fuego (Guatemala)*	1402-09=	*2*	
	1966	*0211*	....	*Redoubt (Alaska-SW)*	1103-03-	*3*	
	1966	0222	?	**San Miguel** (El Salvador)	1403-10=	2	
	1966	0228	260*m*	**Sangeang Api** (Lesser Sunda Is)	0604-05=	2	
	1966	03	92*p*	**Marapi** (Sumatra)	0601-14=	1	
S	**1966**	0309	11*a*?	**Rocard** (Society Is-C Pacific)	1303-02-	0	
	1966	*0310*	....	*Paluweh (Lesser Sunda Is)*	0604-15=	*2*	*7/-*
	1966	0315	61*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2?	7/-
	1966	0315	?	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1966	0319	3*a*>	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1966	*0320*	*619a*	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	
	1966	0328	133*a*	**Rinjani** (Lesser Sunda Is)	0604-03=	1	6/4
	1966	0404	176*a*	**Ruapehu** (New Zealand)	0401-10=	1	
	1966	0415q	?	**Tolbachik** (Kamchatka)	1000-24=	2	
	1966	0420	....	**Fuego** (Guatemala)	1402-09=	3	
S	**1966**	0421g	23*n*	**Ruby** (Mariana Is-C Pacific)	0804-202	0	
	1966	0426	<1	**Kelut** (Java)	0603-28=	4	*-/7*
	1966	0428	?	**Batur** (Lesser Sunda Is)	0604-01=	1	
?	*1966*	*05*	*92p*	*Azuma (Honshu-Japan)*	0803-18=	*1*	
S	**1966**	0505	93*a*	**Kick 'em Jenny** (W Indies)	1600-16=	0	
	1966	0521	543*m*	**Soputan** (Sulawesi-Indonesia)	0606-03=	3	7/-
	1966	0530	....	**Bagana** (Bougainville-SW Pacific)	0505-02=	3	
	1966	06	15*m*	**Telica** (Nicaragua)	1404-04=	1	
	1966	0609	21*a*>	**Kerinci** (Sumatra)	0601-17=	2	
	1966	0615e	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1966	07	?	**San Miguel** (El Salvador)	1403-10=	2	
	1966	*0705*	*30*	*Taal (Luzon-Philippines)*	0703-07=	*2*	
?	*1966*	*08*	*?*	*Matthew Island (SW Pacific)*	0508-01=		
	1966	0804	....	**Taal** (Luzon-Philippines)	0703-07=	3	
	1966	0812	64*m*	**Awu** (Sangihe Is-Indonesia)	0607-04=	4	
	1966	0812	1*a*	**Fuego** (Guatemala)	1402-09=	3	-/6
	1966	0822	....	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	3	
	1966	0924	6*a*?	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	1966	*1006*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*8/7*
	1966	1007	100*a*	**Redoubt** (Alaska-SW)	1103-03-	3	
	1966	1028	18*m*	**Izalco** (El Salvador)	1403-03=	0	5/-
	1966	*1106?*	*405m?*	*Rincón de la Vieja (Costa Rica)*	1405-02=	*2*	
	1966	1113	122*m*	**White Island** (New Zealand)	0401-04=	3	
	1966	1122	<1	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2	
	1967	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1967	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*7/-*
	1967	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*0*	
	1967	*Cont*	....	*White Island (New Zealand)*	0401-04=	*2*	
	1967	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	1967	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1967	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1967	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1967	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1967	*Cont*	....	*Bezymianny (Kamchatka)*	1000-25=	*1*	*7/7*
	1967	*Cont*	....	*Unnamed (Pacific-E)*	1304-10-	*0*	
	1967	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	
	1967	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
	1967	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1967	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1967	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1967	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1967	*Cont*	....	*Vestmannaeyjar [Surtsey]*	1702-01=	*2*	*8/8*
	1967 <	....	>3yr	**Erta Ale** (Ethiopia)	0201-08=	0	
	1967 p	....	?	**Tambora** (Lesser Sunda Is)	0604-04=	0	
	1967	....	?	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1967	01	90*p*?	**Ebeko** (Kuril Is)	0900-38=	1	-/4
	1967	*0101*	....	*Redoubt (Alaska-SW)*	1103-03-	*2*	
	1967	0101	....	**Rincón de la Vieja** (Costa Rica)	1405-02=	3	
	1967	0101	?	**Poás** (Costa Rica)	1405-04=	1	
	1967	0105	?	**San Miguel** (El Salvador)	1403-10=	2	
	1967	0112	>3yr	**Merapi** (Java)	0603-25=	2	7/7
	1967	0119	512*m*	**Langila** (New Britain-SW Pac)	0502-01=	2	4/-
	1967	0122	340*a*	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	1967	*0127*	*794a*	*Lopevi (Vanuatu-SW Pacific)*	0507-05=	*2*	
	1967	0128	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
?	*1967*	*02*	*?*	*Planchón-Peteroa (Chile-C)*	1507-04=	*1?*	
	1967	0218	<1	**Kelut** (Java)	0603-28=	1	
	1967	03	61*p*	**Tolbachik** (Kamchatka)	1000-24=	2	
	1967	0301	....	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	
	1967	*0311*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*3*	*7/-*
S	**1967**	0327	13	**Farallon de Pajaros** (Mariana Is-Pac)	0804-14=	0	
	1967	04	92*p*	**Marapi** (Sumatra)	0601-14=	1	
	1967	0422	2*a*	**Fuego** (Guatemala)	1402-09=	2	-/6
	1967	0423	16*a*	**Nyamuragira** (Africa-C)	0203-02=	2	7/7
?	*1967*	*0426*	*?*	*Unnamed (Kuril Is)*	0900-061		
	1967	05	944*p*	**Aso** (Kyushu-Japan)	0802-11=	1	

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1978	1211	<1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
	1978	1212	150*a*	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	1	
	1979	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1979	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1979	*Cont*	....	*White Island (New Zealand)*	0401-04=	*2*	*-/7*
	1979	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1979	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
	1979	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1979	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1979	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*1*	
	1979	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*7/7*
	1979	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
	1979	*Cont*	....	*Raung (Java)*	0603-34=	*1*	
	1979	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*1*	*4/-*
	1979	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1979	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1979	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
?	*1979*	*Cont*	....	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
?	*1979*	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
	1979	*Cont*	....	*Usu (Hokkaido-Japan)*	0805-03=	*0*	*-/8*
	1979	*Cont*	....	*Shikotsu [Tarumai] (Hokkaido)*	0805-04=	*1*	
	1979	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/7*
	1979	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*5/7*
	1979	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*5/-*
	1979	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	*-/6*
	1979	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1979	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1979	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1979	*Cont*	....	*Galeras (Colombia)*	1501-08=	*1?*	
	1979	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1979	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2*	*5/-*
	1979	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1979	e	?	**Epi** (Vanuatu-SW Pacific)	0507-06=	0	
	1979	....	?	**Peuet Sague** (Sumatra)	0601-03=	2	
	1979	0112?	209*a?*	**Karkar** (New Guinea-NE of)	0501-03=	2	*-/7*
	1979	0126e	23*e?*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1979	0129	36*a>*	**Azul, Cerro** (Galapagos)	1503-06=	2?	
S	**1979**	02 ?	64*m?*	**Monowai Seamount** (Kermadec Is)	0402-05-		
	1979	02	?	**Shishaldin** (Aleutian Is)	1101-36-	2	
?	*1979*	*0208*	*1*	*Westdahl (Aleutian Is)*	1101-34-	*3?*	
	1979	0211	?	**Bezymianny** (Kamchatka)	1000-25=	3	5/7
	1979	0216r	?	**Kirishima** (Kyushu-Japan)	0802-09=	1	
	1979	0220	<1	**Dieng Volc Complex** (Java)	0603-20=	1	*-/5*
	1979	0224d	....	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
	1979	*0308*	....	*Karkar (New Guinea-NE of)*	0501-03=	*2?*	*-/7*
	1979	0308<	?	**Arenales** (Chile-S)	1508-059	1?	
	1979	0308<	?	**Lautaro** (Chile-S)	1508-06=	2?	
	1979	04	543*m*	**Chirinkotan** (Kuril Is)	0900-26=	2	
	1979	0413	196*e*	**Soufrière St. Vincent** (W Indies)	1600-15=	3	7/7
	1979	0414	36*a*	**Carrán-Los Venados** (Chile-C)	1507-14=	2	6/6
?	*1979*	*0426*	*382a*	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1979	0510<	*72a>*	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2	
	1979	0514	?	**Curacoa** (Tonga-SW Pacific)	0403-102	1	
	1979	0528	47*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	5/-
	1979	0531	<1	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
	1979	*0605d*	*276d*	*Aso (Kyushu-Japan)*	0802-11=	*1*	
	1979	0606	101*m?*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1979	0613	....	**Aso** (Kyushu-Japan)	0802-11=	2	
	1979	0630	15*a*	**Ruapehu** (New Zealand)	0401-10=	1	
	1979	0702	72*a*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
	1979	*0703*	*>3yr*	*Etna (Italy)*	0101-06=	*1*	
?	*1979*	*0712*	*?*	*Nikko (Volcano Is-Japan)*	0804-132	*0*	
?	*1979*	*0713*	*?*	*Bayonnaise Rocks (Izu Is-Japan)*	0804-07=	*0*	
	1979	0715e	111*m*	**Krakatau** (Indonesia)	0602-00=	2	4/-
	1979	*0716*	*413e*	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1979	0803	....	**Etna** (Italy)	0101-06=	3?	6/-
	1979	*0823*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	*9/8*
?	*1979*	*09*	*?*	*Kuwae [Karua] (Vanuatu-SW Pac)*	0507-07=	*0*	
	1979	0908	129*m*	**Poás** (Costa Rica)	1405-04=	1	
	1979	0912	....	**Etna** (Italy)	0101-06=	2	
	1979	0918	?	**Bezymianny** (Kamchatka)	1000-25=	2	5/6
S	**1979**	0930	<1	**Macdonald** (Austral Is-C Pacific)	1303-06-	0	
	1979	1015	44*a*	**Llaima** (Chile-C)	1507-11=	2	
	1979	1028	179*a*	**On-take** (Honshu-Japan)	0803-04=	1	
	1979	1113	62*a>*	**Negra, Sierra** (Galapagos)	1503-05=	3	8/-
?	*1979*	*1115*	*?*	*Ahyi (Mariana Is-C Pacific)*	0804-141	*0*	
	1979	1116	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
	1979	*1227*	*275a*	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
	1980	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1980	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1980	*Cont*	....	*White Island (New Zealand)*	0401-04=	*2*	*-/7*
	1980	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1980	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1980	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1980	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*7/7*
	1980	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
	1980	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*1*	*4/-*
	1980	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1980	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1980	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1980	*Cont*	....	*On-take (Honshu-Japan)*	0803-04=	*1*	
?	*1980*	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
?	*1980*	*Cont*	....	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1980	*Cont*	....	*Usu (Hokkaido-Japan)*	0805-03=	*0*	*-/8*
	1980	*Cont*	....	*Chinnkotan (Kuril Is)*	0900-26=	*2*	
	1980	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/7*
	1980	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*5/-*
	1980	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1980	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1980	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1980	*Cont*	....	*Galeras (Colombia)*	1501-08=	*1?*	
	1980	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1980	*Cont*	....	*Negra, Sierra (Galapagos)*	1503-05=	*0*	*8/-*
	1980	*Cont*	....	*Chillán, Nevados de (Chile-C)*	1507-07=	*2*	*5/-*
	1980	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1980	....	....	**Langila** (New Britain-SW Pac)	0502-01=	3	7/-
	1980	....	?	**Gaua** (Vanuatu-SW Pacific)	0507-02=	1?	
S	**1980**	01	16*m*	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	1980	01	....	**Kliuchevskoi** (Kamchatka)	1000-26=	3	5/7
?	*1980*	*0107*	*10a?*	*Karkar (New Guinea-NE of)*	0501-03=	*1*	
	1980	0110	1*a*	**Tupungatito** (Chile-C)	1507-01=	2	
	1980	0115?	*72a?*	**Ruapehu** (New Zealand)	0401-10=	1	
	1980	*0122*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	*9/8*
	1980	0130	25	**Nyamuragira** (Africa-C)	0203-02=	3	7/7
	1980	0207	....	**Bulusan** (Luzon-Philippines)	0703-01=	3	
S	**1980**	0212	<1	**Macdonald** (Austral Is-C Pacific)	1303-06-	0	
	1980	0311	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	0/-
	1980	0313	<1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
	1980	0315e	276*e*	**Krakatau** (Indonesia)	0602-00=	2	5/-
	1980	0316	221	**Krafla** (Iceland-NE)	1703-08=	0	7/-
	1980	0324	173*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
	1980	*0327*	*>3yr*	*St. Helens (US-Washington)*	1201-05-	*2*	
	1980	0329	?	**Marapi** (Sumatra)	0601-14=	1	
	1980	0415	127*a*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	
	1980	0418	1*a*	**Bezymianny** (Kamchatka)	1000-25=	3	5/7
	1980	0501s	?	**Makushin** (Aleutian Is)	1101-31-	1	
	1980	*0516*	*94a*	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
	1980	0518	....	**St. Helens** (US-Washington)	1201-05-	**5**	7/**9**
	1980	0524	?	**Ekarma** (Kuril Is)	0900-27=	1	
	1980	*0525*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*-/7*
	1980	0605a	107*b*	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	1980	*0612*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*6/7*
	1980	*0615e*	*383e*	*Gorely (Kamchatka)*	1000-07=	*2*	*-/7*
?	*1980*	*0615z*	*?*	*Seal Nunataks Group (Antarctica)*	1900-05=		
	1980	0620	96*a>*	**Villarrica** (Chile-C)	1507-12=	2	
	1980	0703<	5*a?*	**Akutan** (Aleutian Is)	1101-32-	2	
	1980	0706a	?	**Pavlof** (Alaska Peninsula)	1102-03-	1	
?	*1980*	*0707*	*360y?*	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
	1980	*0708*	*80a*	*Etna (Italy)*	0101-06=	*2*	*6/-*
	1980	*0710*	....	*Krafla (Iceland-NE)*	1703-08=	*0*	*7/-*
	1980	*0722*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*-/7*
	1980	0723	....	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	3	
	1980	0731	....	**Gorely** (Kamchatka)	1000-07=	3	*-/7*
	1980	0807	41*a*	**Gareloi** (Aleutian Is)	1101-07-	3?	
	1980	*0807*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*6/6*
	1980	0808	?	**Kanlaon** (Philippines-C)	0702-02=	2	
	1980	0817	3*a*	**Hekla** (Iceland-S)	1702-07=	3	8/7
?	*1980*	*0820*	*?*	*Kuwae [Karua] (Vanuatu-SW Pac)*	0507-07=	*0*	
	1980	0821	5*d*	**Bezymianny** (Kamchatka)	1000-25=	2	5/-
	1980	0823	465*p*	**Shiveluch** (Kamchatka)	1000-27=	1	7/-
	1980	09 ?	?	**Marion Island** (Indian O.-S)	0304-07-	1	6/-
	1980	0901	....	**Etna** (Italy)	0101-06=	3	6/-
	1980	0904	19*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	*-/6*
	1980	0912	<1	**Poás** (Costa Rica)	1405-04=	1	
	1980	0924	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
	1980	0928	<1	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	2	*-/6*
	1980	10	<1	**Callaqui** (Chile-C)	1507-091	1	
	1980	1006	<1	**Ulawun** (New Britain-SW Pac)	0502-12=	3	*-/7*
	1980	1007	141*a*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	1	
	1980	*1016*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*6/6*
	1980	1018	15*a*	**Ruapehu** (New Zealand)	0401-10=	1	
	1980	*1018*	....	*Krafla (Iceland-NE)*	1703-08=	*0*	*7/-*
	1980	1105	314*m*	**Paluweh** (Lesser Sunda Is)	0604-15=	2	6/-
	1980	*1108*	*4*	*Pavlof (Alaska Peninsula)*	1102-03-	*1*	*-/6*
S	**1980**	1110	97	**Macdonald** (Austral Is-C Pacific)	1303-06-	0	
	1980	1111	....	**Pavlof** (Alaska Peninsula)	1102-03-	3	*-/6*
?	*1980*	*1115*	*38a>*	*Bayonnaise Rocks (Izu Is-Japan)*	0804-07=	*0*	
	1980	1226	<1	**Poás** (Costa Rica)	1405-04=	1	
	1981	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1981	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1981	*Cont*	....	*White Island (New Zealand)*	0401-04=	*2*	*-/7*
	1981	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1981	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1981	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1981	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1981	Cont	....	*Merapi (Java)*	0603-25=	*1*	*7/7*
	1981	Cont	....	*Semeru (Java)*	0603-30=	*2*	
	1981	Cont	....	*Paluweh (Lesser Sunda Is)*	0604-15=	*2*	*6/-*
	1981	Cont	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1981	Cont	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1981	Cont	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
?	1981	Cont	....	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
?	1981	Cont	....	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1981	Cont	....	*Usu (Hokkaido-Japan)*	0805-03=	*0*	*-/8*
	1981	Cont	....	*Gorely (Kamchatka)*	1000-07=	*2*	*-/7*
	1981	Cont	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/7*
	1981	Cont	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	*7/-*
	1981	Cont	....	*St. Helens (US-Washington)*	1201-05-	*1*	
S	1981	Cont	....	*Macdonald (Austral Is-C Pacific)*	1303-06-	*0*	
	1981	Cont	....	*Colima (Mexico)*	1401-04=	*1*	*5/-*
	1981	Cont	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1981	Cont	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1981	Cont	....	*Galeras (Colombia)*	1501-08=	*1?*	
	1981	Cont	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1981	Cont	....	*Chillan, Nevados de (Chile-C)*	1507-07=	*2*	*5/-*
	1981	Cont	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1981	....	?	**Dieng Volc Complex** (Java)	0603-20=	1?	
?	1981	*0107*	*1a*	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1981	0125	*187a?*	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1981	0126e	*41j*	**Etna** (Italy)	0101-06=	2	*6/-*
	1981	0130	4	**Krafla** (Iceland-NE)	1703-08=	0	*7/-*
	1981	*02*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	*9/8*
	1981	02 ?	?	**Telica** (Nicaragua)	1404-04=	1	
	1981	0203	*91a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	*7/-*
	1981	0220	*222a*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1981	0227<	?	**Shikotsu [Tarumai]** (Hokkaido)	0805-04=	0	*-/2*
	1981	03	*61p*	**Poas** (Costa Rica)	1405-04=	1	
	1981	0304	*143a*	**Gamkonora** (Halmahera-Indonesia)	0608-04=	1	*-/5*
?	1981	*0305*	*286m*	*Mehetia (Society Is-C Pacific)*	1303-04-	*0*	
	1981	0317	6	**Etna** (Italy)	0101-06=	2	*7/6*
	1981	0324	<1	**Okmok** (Aleutian Is)	1101-29-	3?	
	1981	0330<	*59a*	**Pavlof** (Alaska Peninsula)	1102-03-	1	
	1981	0409	*18a*	**Bulusan** (Luzon-Philippines)	0703-01=	3	
	1981	0409	7	**Hekla** (Iceland-S)	1702-07=	2	*7/-*
	1981	0424	*178*	**Krakatau** (Indonesia)	0602-00=	1	
	1981	*0427*	*39a*	*Alaid (Kuril Is)*	0900-39=	*3*	*-/8*
	1981	0430	....	**Alaid** (Kuril Is)	0900-39=	4	*-/8*
	1981	05	*16m*	**Okataina** (New Zealand)	0401-05=	1	
	1981	0515	>3yr	**Pagan** (Mariana Is-C Pacific)	0804-17=	4	*7/8*
	1981	0610	*15a*	**Tiatia** (Kuril Is)	0900-03=	2?	
	1981	0612	*724a*	**Bezymianny** (Kamchatka)	1000-25=	3	*6/7*
	1981	0615	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
	1981	0709	<1	**Gaua** (Vanuatu-SW Pacific)	0507-02=	1?	
	1981	0801x	?	**Fernandina** (Galapagos)	1503-01=	0	
	1981	0831e	*442n?*	**Guagua Pichincha** (Ecuador)	1502-02=	1	*-/4*
?	1981	*0915e*	?	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	*0*	
?	1981	*0925*	?	*Shishaldin (Aleutian Is)*	1101-36-		
	1981	0925	*2a*	**Pavlof** (Alaska Peninsula)	1102-03-	3	*6/7*
	1981	1025?	*171m*	**Ruapehu** (New Zealand)	0401-10=	1	
	1981	1118	5	**Krafla** (Iceland-NE)	1703-08=	0	*7/-*
	1981	1125	?	**Alaid** (Kuril Is)	0900-39=	2	
	1981	*1125e*	*97e*	*Telica (Nicaragua)*	1404-04=	*1*	
	1981	1126	<1	**Etna** (Italy)	0101-06=	2	
	1981	*1216*	....	*Masaya (Nicaragua)*	1404-10=	*1*	
?	1981	*1221*	?	*Kliuchevskoi (Kamchatka)*	1000-26=		
	1981	1225	*20a*	**Nyamuragira** (Africa-C)	0203-02=	3	*7/7*
	1982	Cont	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1982	Cont	....	*Etna (Italy)*	0101-06=	*1*	
	1982	Cont	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1982	Cont	....	*Nyamuragira (Africa-C)*	0203-02=	*3*	*7/7*
	1982	Cont	....	*White Island (New Zealand)*	0401-04=	*2*	*-/7*
	1982	Cont	....	*Ruapehu (New Zealand)*	0401-10=	*1*	
	1982	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1982	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1982	Cont	....	*Merapi (Java)*	0603-25=	*1*	*7/7*
	1982	Cont	....	*Semeru (Java)*	0603-30=	*2*	
	1982	Cont	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1982	Cont	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1982	Cont	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
?	1982	Cont	....	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1982	Cont	....	*Usu (Hokkaido-Japan)*	0805-03=	*0*	*-/8*
	1982	Cont	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/7*
	1982	Cont	....	*Colima (Mexico)*	1401-04=	*1*	*5/-*
	1982	Cont	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1982	Cont	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1982	Cont	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1982	Cont	....	*Galeras (Colombia)*	1501-08=	*1?*	
	1982	Cont	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1982	Cont	....	*Chillan, Nevados de (Chile-C)*	1507-07=	*2*	*5/-*
	1982	Cont	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1982	....	?	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
	1982	<	?	**Cleft Segment** (Pacific-NE)	1301-03-	0	*7/-*
?	1982	*0112*	*64a*	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1982	0115	<1	**Gareloi** (Aleutian Is)	1101-07-	3	
	1982	0115e	*30j*	**Concepcion** (Nicaragua)	1404-12=	2	
?	1982	*0210*	*4a*	*Tiatia (Kuril Is)*	0900-03=	*1*	
	1982	0212	....	**Telica** (Nicaragua)	1404-04=	2	
	1982	*0213*	....	*Langila (New Britain-SW Pac)*	0502-01=	*3*	*7/-*
S	**1982**	0301	84	**Macdonald** (Austral Is-C Pacific)	1303-06-	0	
	1982	0309	1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
	1982	0310<	*66m>*	**Marapi** (Sumatra)	0601-14=	1	
S	**1982**	0316	*64a*	**Teahitia** (Society Is-C Pacific)	1303-01=	0	
	1982	*0319*	....	*St. Helens (US-Washington)*	1201-05-	*3*	*6/-*
	1982	0324	*39a*	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	1982	*0327*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
	1982	*0328*	*167a*	*Chichon, El (Mexico)*	1401-12=	*4+*	*-/9*
	1982	0329	<1	**Alaid** (Kuril Is)	0900-39=	2	
?	1982	*04*	*15m*	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
	1982	0403	....	**Chichon, El** (Mexico)	1401-12=	**5**	*-/9*
	1982	*0405*	*278a*	*Galunggung (Java)*	0603-14=	*3*	*-/8*
?	1982	*0406*	?	*Esmeralda Bank (Manana Is-C Pacific)*	0804-21=	*0*	
	1982	0407	*56b*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	2	
	1982	0418	<1	**Gaua** (Vanuatu-SW Pacific)	0507-02=	2	
	1982	0426	<1	**Asama** (Honshu-Japan)	0803-11=	2	
	1982	0430	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	5/-
S	**1982**	05	*16m*	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	1982	0517	....	**Galunggung** (Java)	0603-14=	4	*-/8*
	1982	*0528k*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*1*	*-/4*
?	1982	*06*	*15m*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	1982	*0610*	....	*Bezymianny (Kamchatka)*	1000-25=	*2*	*6/7*
	1982	0621	*118m*	**Nyiragongo** (Africa-C)	0203-03=	1	*7/-*
?	1982	*0715q*	?	*Pavlof (Alaska Peninsula)*	1102-03-	*1?*	
	1982	0718	*2a*	**Raung** (Java)	0603-34=	3	
?	1982	*0810*	?	*Bayonnaise Rocks (Izu Is-Japan)*	0804-07=	*0*	
	1982	0826	*76a*	**Soputan** (Sulawesi-Indonesia)	0606-03=	3	*-/6*
	1982	0828	*9a?*	**Wolf** (Galapagos)	1503-02=	1	
	1982	0925	<1	**Kilauea** (Hawaiian Is)	1302-01-	0	6/-
	1982	*0930j*	....	*Pagan (Manana Is-C Pacific)*	0804-17=	*3?*	*7/8*
	1982	1002	<1	**Asama** (Honshu-Japan)	0803-11=	1	
	1982	1005d	*221n*	**Akutan** (Aleutian Is)	1101-32-	2	
	1982	1007	*263a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	*7/-*
	1982	*1007*	....	*Masaya (Nicaragua)*	1404-10=	*1*	
	1982	1016	*27a*	**Cameroon** (Africa-W)	0204-01=	2	*7/5*
	1982	1024	*1a*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
	1982	1026	64	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	1	*-/4*
	1982	1117	<1	**Iliboleng** (Lesser Sunda Is)	0604-22=	2	
	1982	1122	?	**Chirpoi** (Kuril Is)	0900-15=	2	
	1982	1128	*18m?*	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
	1982	12	*15m*	**Marapi** (Sumatra)	0601-14=	1	
?	1982	*1215*	?	*Fukujin (Volcano Is-Japan)*	0804-133	*0*	
	1983	Cont	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1983	Cont	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1983	Cont	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1983	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1983	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1983	Cont	....	*Galunggung (Java)*	0603-14=	*1*	*-/8*
	1983	Cont	....	*Merapi (Java)*	0603-25=	*1*	*7/7*
	1983	Cont	....	*Semeru (Java)*	0603-30=	*2*	
	1983	Cont	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1983	Cont	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1983	Cont	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
?	1983	Cont	....	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	1983	Cont	....	*Pagan (Manana Is-C Pacific)*	0804-17=	*2*	*7/8*
	1983	Cont	....	*Akutan (Aleutian Is)*	1101-32-	*2*	
	1983	Cont	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1983	Cont	....	*Masaya (Nicaragua)*	1404-10=	*0*	
	1983	Cont	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1983	Cont	....	*Galeras (Colombia)*	1501-08=	*1?*	
	1983	Cont	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1983	Cont	....	*Chillan, Nevados de (Chile-C)*	1507-07=	*2*	*5/-*
	1983	Cont	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1983	....	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
	1983	....	?	**Marapi** (Sumatra)	0601-14=	1	
?	1983	....	*365y*	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
	1983	0101	>3yr	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	2	*7/-*
	1983	*0103*	*>3yr*	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
	1983	*0129*	....	*Santa Maria (Guatemala)*	1402-03=	*2*	*9/8*
	1983	*0202*	....	*St. Helens (US-Washington)*	1201-05-	*2*	*7/-*
	1983	0206	*15a*	**Rincon de la Vieja** (Costa Rica)	1405-02=	1	
?	1983	*0211*	*4a*	*Colima (Mexico)*	1401-04=	*1?*	
	1983	*0308*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*1*	*7/-*
S	**1983**	0314	*68a*	**Macdonald** (Austral Is-C Pacific)	1303-06-	0	
	1983	0316	*9a*	**Concepcion** (Nicaragua)	1404-12=	2	
	1983	0328	*131a*	**Etna** (Italy)	0101-06=	1	*7/5*
	1983	0408	<1	**Asama** (Honshu-Japan)	0803-11=	2	
	1983	0414?	<1	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	1	
?	1983	*0415e*	*74f*	*Tengger Caldera [Bromo] (Java)*	0603-31=	*1*	

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1989	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1989	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*0*	*5/-*
1989	*Cont*	....	*Lonquimay (Chile-C)*	1507-10=	*2*	*8/8*
1989	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1989	....	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
1989	0101	349*m?*	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
? *1989*	*0106*	*<1*	*Kusatsu-Shirane (Honshu-Japan)*	0803-12=	*1*	
1989	0113	1*a*	**Sarychev Peak** (Kuril Is)	0900-24=	1?	
? *1989*	*0118*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
1989	0202	232*a?*	**Ebeko** (Kuril Is)	0900-38=	2	-/6
1989	0219	79*a*	**Galeras** (Colombia)	1501-08=	2	-/5
1989	0220	268*m*	**Masaya** (Nicaragua)	1404-10=	1	
1989	0227	29*a<*	**Akutan** (Aleutian Is)	1101-32-	*2*	
1989	*0307*	....	*Pacaya (Guatemala)*	1402-11=	*3*	
1989	*0314*	....	*White Island (New Zealand)*	0401-04=	*2*	
1989	*0325*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
1989	*0405*	*675a*	*Aso (Kyushu-Japan)*	0802-11=	*0*	
1989	0407	80	**Shiveluch** (Kamchatka)	1000-27=	2	
1989	0419	7*a*	**Niigata-Yake-yama** (Honshu-Japan)	0803-09=	1	
1989	0422	<1	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
1989	0424	113*e*	**Nyamuragira** (Africa-C)	0203-02=	3	7/7
1989	0424	243*a*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1989	*05*	....	*Poás (Costa Rica)*	1405-04=	*2*	
1989	0503	95*d*	**Grozny Group** (Kuril Is)	0900-07=	2	
1989	0529	<1	**Cameroon** (Africa-W)	0204-01=	1?	
1989	07	16*m*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
? *1989*	*07*	*16m*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
1989	0701	81*a?*	**Ruapehu** (New Zealand)	0401-10=	1	
1989	0713	<1	**Izu-Tobu** (Honshu-Japan)	0803-01=	1	-/5
1989	0716	....	**Aso** (Kyushu-Japan)	0802-11=	2	
? *1989*	*0718*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	

Hugo Moreno (Univ. Chile)

A billowing ash-rich eruption column rises above a cinder cone on the NE flank of Chile's Lonquimay volcano in January 1989. During the course of an eruption that lasted from December 1988 until January 1990, heavy ashfall blanketed the countryside, causing severe disruption to agricultural areas near the volcano. The ash was high in fluorine, and fluorine poisoning from ash on ingested grass caused the deaths of hundreds of cattle and horses, producing severe economic hardship.

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1989	*0719*	....	*Santa Maria (Guatemala)*	1402-03=	*3*	***9/8***
1989	08	< 183*p>*	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	1	
1989	0801	3*a*	**Bezymianny** (Kamchatka)	1000-25=	2	
1989	0817	?	**Gareloi** (Aleutian Is)	1101-07-	1	
1989	0911	28*a*	**Etna** (Italy)	0101-06=	2	7/-
@ **1989**	0921	97	**Supply Reef** (Mariana Is-C Pacific)	0804-142	0	
1989	1025	49*a>*	**Kanlaon** (Philippines-C)	0702-02=	2	
? *1989*	*1025c*	*?*	*Cleveland (Aleutian Is)*	1101-24-	*0*	
? *1989*	*12*	*?*	*Irruputuncu (Chile-N)*	1505-04=		
1989	*1207*	*30a*	*St. Helens (US-Washington)*	1201-05-	*1*	
1989	1214	188*a?*	**Redoubt** (Alaska-SW)	1103-03-	3	7/8
1989	*1216*	*939a*	*Etna (Italy)*	0101-06=	*1*	*6/7*
1990	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
1990	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*7/-*
1990	*Cont*	....	*White Island (New Zealand)*	0401-04=	*1*	
1990	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
1990	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
1990	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
1990	*Cont*	....	*Tinakula (Santa Cruz Is-SW Pacific)*	0506-01=	*1*	
1990	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1990	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1990	*Cont*	....	*Merapi (Java)*	0603-25=	*1*	*6/-*
1990	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1990	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1990	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1990	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*0*	
? *1990*	*Cont*	....	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
? *1990*	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
1990	*Cont*	....	*Ebeko (Kuril Is)*	0900-38=	*2*	*-/6*
1990	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	***9/-***
1990	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*1*	
1990	*Cont*	....	*Ruiz, Nevado del (Colombia)*	1501-02=	*2*	*-/7*
1990	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1990	*Cont*	....	*Lonquimay (Chile-C)*	1507-10=	*2*	*8/8*
1990	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1990 b	....	?	**Southern EPR-Segment K** (Pacific)	1304-12-	0	8/-
1990	....	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
1990	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	1	
1990	*0102*	....	*Redoubt (Alaska-SW)*	1103-03-	*3*	*7/8*
1990	0104	....	**Etna** (Italy)	0101-06=	3	6/7
1990	*0104?*	*>3yr*	*Pacaya (Guatemala)*	1402-11=	*1*	
1990	0106	....	**St. Helens** (US-Washington)	1201-05-	2	
1990	0107	19*a*	**Ruapehu** (New Zealand)	0401-10=	1	
1990	*0107*	*921a*	*Galeras (Colombia)*	1501-08=	*1*	*5/5*
1990	*0110*	*>3yr*	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
1990	0116	< 334*m>*	**Raung** (Java)	0603-34=	2	
1990	0118	110*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	6/-
1990	0126e	3*a*	**Akutan** (Aleutian Is)	1101-32-	2	
1990	0128	138*m*	**Lewotobi** (Lesser Sunda Is)	0604-18=	1	
1990	*0129*	*667a*	*Bezymianny (Kamchatka)*	1000-25=	*2*	
1990	0130	....	**Kliuchevskoi** (Kamchatka)	1000-26=	4	7/8
1990	0210	32*q*	**Kelut** (Java)	0603-28=	4	-/8
1990	0220	....	**Láscar** (Chile-N)	1505-10=	3	5/-
1990	0225	273*a*	**Llaima** (Chile-C)	1507-11=	1	
1990	0305	<1	**Pavlof** (Alaska Peninsula)	1102-03-	2?	
1990	0310	....	**Bezymianny** (Kamchatka)	1000-25=	3	
S **1990**	0326	1	**Kick 'em Jenny** (W Indies)	1600-16=	0	
1990	04	>3yr	**Suwanose-jima** (Ryukyu Is)	0802-03=	2	
1990	*0415*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*
1990	0416	24*a*	**Guagua Pichincha** (Ecuador)	1502-02=	1	
? *1990*	*0424*	*<1*	*Pular (Chile-N)*	1505-107	*1?*	
1990	0425	1*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	3?	
1990	*0528*	*>3yr*	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
S **1990**	0530	299*a*	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
1990	0601	<1?	**Kiska** (Aleutian Is)	1101-02-	2	
1990	0605	....	**Sabancaya** (Perú)	1504-006	3	-/7
1990	0617	83*a<*	**Ruapehu** (New Zealand)	0401-10=	0	
1990	*0713*	....	*Santa Maria (Guatemala)*	1402-03=	*3*	***9/8***
1990	*0714*	....	*Pacaya (Guatemala)*	1402-11=	*2*	
1990	0720	<1	**Asama** (Honshu-Japan)	0803-11=	2	-/3
1990	0804	....	**Shiveluch** (Kamchatka)	1000-27=	3	8/6
1990	09	< 304*p>*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
1990	0906	25*a*	**Akutan** (Aleutian Is)	1101-32-	2	
1990	1004	<1	**Oshima** (Izu Is-Japan)	0804-01=	2	
? *1990*	*1029*	*21a*	*Unnamed (Pacific-S)*	1305-03-	*0*	
1990	1105	101*a*	**St. Helens** (US-Washington)	1201-05-	3?	
1990	1117	>3yr	**Unzen** (Kyushu-Japan)	0802-10=	1	8/6
1990	1124	<1	**Láscar** (Chile-N)	1505-10=	1	
1990	1231y	?	**Kerinci** (Sumatra)	0601-17=	2	
1991	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1991	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
1991	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*7/-*
S *1991*	*Cont*	....	*Monowai Seamount (Kermadec Is)*	0402-05-	*0*	
1991	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
1991	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
1991	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1991	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*2*	
1991	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1991	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1991	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1991	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1991	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
1991	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1991	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=	*2*	*8/6*
1991	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*0*	
1991	*Cont*	....	*Bezymianny (Kamchatka)*	1000-25=	*2*	
1991	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*3?*	
1991	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
1991	*Cont*	....	*Ruiz, Nevado del (Colombia)*	1501-02=	*2*	*-/7*
1991	*Cont*	....	*Galeras (Colombia)*	1501-08=	*1*	*5/5*
1991	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1991	*Cont*	....	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
1991	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1991	.....	?	**Peuet Sague** (Sumatra)	0601-03=	2	
1991	.....	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
1991	01	3*a*	**Ebeko** (Kuril Is)	0900-38=	1	
1991	0113	17*a*	**Avachinsky** (Kamchatka)	1000-10=	2	7/5
1991	0117	52	**Hekla** (Iceland-S)	1702-07=	3	8/7
1991	0209	21*b*	**Planchón-Peteroa** (Chile-C)	1507-04=	2	
1991	0214	<1	**Kanlaon** (Philippines-C)	0702-02=	2	
1991	03 <	?	**Ranakah** (Lesser Sunda Is)	0604-071	1	
1991	03 ?	<1	**Unnamed [East Pacific Rise]**	1304-05-	0	6/-
1991	0301	228*m*	**Colima** (México)	1401-04=	2	7/6
1991	0306	193*m*	**Poás** (Costa Rica)	1405-04=	1	
? *1991*	*0311*	*8a*	*Unnamed (Pacific-S)*	1305-02-	*0*	
1991	0329	216*g*>	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	6/6
1991	*0402*	*153a*	*Pinatubo (Luzon-Philippines)*	0703-083	*2?*	
1991	0408	77*a*?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1991	*0408*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
1991	*0410*	....	*Santa María (Guatemala)*	1402-03=	*2*	*9/8*
1991	0419	4	**Fernandina** (Galápagos)	1503-01=	2?	
1991	0504<	134*m*>	**Kavachi** (Solomon Is-SW Pacific)	0505-05=	2	
1991	0507	496*m*	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
1991	0508	53*a*>	**Iliboleng** (Lesser Sunda Is)	0604-22=	1	
1991	0511	599*a*>	**Lewotobi** (Lesser Sunda Is)	0604-18=	1	
1991	*0517*	*243m*	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*1*	*5/7*
1991	*0522*	*>3yr*	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	*7/-*
? *1991*	*0615*	*<1*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1?*	
1991	0615	....	**Pinatubo** (Luzon-Philippines)	0703-083	**5**	**-/10**
1991	0624<	?	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	0	
1991	*0702<*	*912a*>	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*1*	*6/6*
1991	0705?	9*a*?	**Ruapehu** (New Zealand)	0401-10=	1	
1991	0711	<1	**Karthala** (Indian O.-W)	0303-01=	2	-/6
1991	0719	1	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	6/-
? *1991*	*0719*	*91a*	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
1991	0721	....	**Pacaya** (Guatemala)	1402-11=	3	
1991	*0808*	*80*	*Hudson, Cerro (Chile-S)*	1508-057	*3*	*-/9*
1991	0812	....	**Hudson, Cerro** (Chile-S)	1508-057	**5+**	**-/9**
? *1991*	*0812*	*?*	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
1991	0830	18*a*	**Villarrica** (Chile-C)	1507-12=	2	
1991	0910	63*a*?	**Raung** (Java)	0603-34=	2	
? *1991*	*0913*	*?*	*Arjuno-Welirang (Java)*	0603-29=		
1991	0915	44*a*	**Akutan** (Aleutian Is)	1101-32-	2	
1991	0916	....	**White Island** (New Zealand)	0401-04=	3	
1991	*0920*	*507a*	*Nyamuragira (Africa-C)*	0203-02=	*2*	*-/7*
1991	0925	51*m*?	**Marchena** (Galápagos)	1503-08=	2	
1991	1015	....	**Nyamuragira** (Africa-C)	0203-02=	3	-/7
1991	1021	215*a*?	**Láscar** (Chile-N)	1505-10=	2	-/6
1991	1025	....	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	3	5/7
1991	1103	12*a*	**Iliboleng** (Lesser Sunda Is)	0604-22=	1	
? *1991*	*1105*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
1991	1129	46*a*	**Westdahl** (Aleutian Is)	1101-34-	3	7/-
1991	1201	131*a*	**Kirishima** (Kyushu-Japan)	0802-09=	1	-/3
1991	1201p	65*r*	**Unnamed [East Pacific Rise]**	1304-05-	0	
1991	1214	472*a*	**Etna** (Italy)	0101-06=	2	8/-
1992	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1992	*Cont*	....	*Etna (Italy)*	0101-06=	*2*	*8/-*
1992	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
1992	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*7/-*
1992	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*2*	*-/7*
1992	*Cont*	....	*White Island (New Zealand)*	0401-04=	*1*	
1992	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
1992	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
1992	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1992	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1992	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1992	*Cont*	....	*Lewotobi (Lesser Sunda Is)*	0604-18=	*1*	
1992	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	*7/-*
1992	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*1*	*5/7*
1992	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1992	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
1992	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1992	*Cont*	....	*Kirishima (Kyushu-Japan)*	0802-09=	*1*	*-/3*
1992	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=	*2*	*8/6*
1992	*Cont*	....	*Westdahl (Aleutian Is)*	1101-34-	*3*	*7/-*
1992	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
1992	*Cont*	....	*Unnamed [East Pacific Rise]*	1304-05-	*0*	
1992	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
1992	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
1992	*Cont*	....	*Rincón de la Vieja (Costa Rica)*	1405-02=	*1*	
1992	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1992	*Cont*	....	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
1992	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	*-/6*
1992	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1992	.....	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
1992	0108	<1	**Kanlaon** (Philippines-C)	0702-02=	1	
? *1992*	*0117*	*1a*	*Heard (Indian O.-S)*	0304-01=		
1992	0120	>3yr	**Merapi** (Java)	0603-25=	2	7/-
1992	0125	119*a*?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1992	02	31*p*	**Poás** (Costa Rica)	1405-04=	1	
1992	0205	....	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	6/6
1992	0208	27*a*	**Ruapehu** (New Zealand)	0401-10=	1	
? *1992*	*0212*	*21a*	*Minami-Hiyoshi (Volcano Is-Japan)*	0804-131	*0*	
1992	0308	74*a*	**Akutan** (Aleutian Is)	1101-32-	2	
1992	0312	92*a*	**Bezymianny** (Kamchatka)	1000-25=	2	
1992	0407i	?	**Awu** (Sangihe Is-Indonesia)	0607-04=	1	
1992	0409	5*a*	**Negro, Cerro** (Nicaragua)	1404-07=	3	*-/7*
1992	*0411*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
1992	0413	<1	**Pagan** (Mariana Is-C Pacific)	0804-17=	1?	
1992	*0423*	*413a*?	*Aso (Kyushu-Japan)*	0802-11=	*0*	
1992	0529?	?	**Heard** (Indian O.-S)	0304-01=	0	
1992	0610	<1	**Kanlaon** (Philippines-C)	0702-02=	2	
1992	0627	81	**Spurr** (Alaska-SW)	1103-04-	4	-/8
1992	0706	18*a*	**Bogoslof** (Aleutian Is)	1101-30-	3	6/-
1992	0709<	113*a*	**Pinatubo** (Luzon-Philippines)	0703-083	1	6/-
1992	0716	....	**Galeras** (Colombia)	1501-08=	2	5/5
1992	0722	314*w*	**Copahue** (Chile-C)	1507-09=	2	
? *1992*	*0805*	*63a*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
1992	*0818*	....	*Spurr (Alaska-SW)*	1103-04-	*3*	*-/8*
1992	0823	10*a*	**Llaima** (Chile-C)	1507-11=	1	
1992	0827	27*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	6/-
1992	*0831*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
1992	0911	96*m*>	**Villarrica** (Chile-C)	1507-12=	1	
1992	0912	366*a*?	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
1992	*0917*	....	*Spurr (Alaska-SW)*	1103-04-	*3*	*-/8*
1992	10	365*p*	**Poás** (Costa Rica)	1405-04=	0	
1992	1026	....	**Aso** (Kyushu-Japan)	0802-11=	2	
1992	1107	341*m*	**Krakatau** (Indonesia)	0602-00=	1	6/-
1992	1110	303*a*?	**Fukutoku-Okanoba** (Volcano Is-Japan	0804-13=	1	-/5
1992	12	?	**McDonald Islands** (Indian O.-S)	0304-011	0	
1992	1218	?	**Akutan** (Aleutian Is)	1101-32-	1	
1992	1227	3*a*	**Seguam** (Aleutian Is)	1101-18-	2	
1993	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
1993	*Cont*	....	*Nyamuragira (Africa-C)*	0203-02=	*2*	*-/7*
1993	*Cont*	....	*White Island (New Zealand)*	0401-04=	*1*	
1993	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
1993	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
1993	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1993	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1993	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*1*	*6/-*
1993	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
1993	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1993	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	*7/-*
1993	*Cont*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*1*	*6/6*
1993	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1993	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
1993	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1993	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=	*2*	*8/6*
1993	*Cont*	....	*Aso (Kyushu-Japan)*	0802-11=	*0*	
1993	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	*-/5*
1993	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
1993	*Cont*	....	*Santa María (Guatemala)*	1402-03=	*1*	*9/8*
1993	*Cont*	....	*Poás (Costa Rica)*	1405-04=	*0*	
1993	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1993	*Cont*	....	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
1993	*Cont*	....	*Copahue (Chile-C)*	1507-09=	*2*	
1993	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1993	.....	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
1993	0102m	?	**Heard** (Indian O.-S)	0304-01=	2?	
1993	*0110*	....	*Pacaya (Guatemala)*	1402-11=	*2*	
1993	0112	19*a*?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
1993	0114	144	**Galeras** (Colombia)	1501-08=	2	-/6
1993	0115e	304*m*>	**Pagan** (Mariana Is-C Pacific)	0804-17=	2	
1993	0123	<1?	**Dieng Volc Complex** (Java)	0603-20=	1	
1993	0129	391*d*?	**Socorro** (México-Is)	1401-021	0	
1993	*0130*	*197m*	*Láscar (Chile-N)*	1505-10=	*2*	*6/8*
1993	02	151*p*?	**Pinatubo** (Luzon-Philippines)	0703-083	1	
1993	0202	61*a*	**Mayon** (Luzon-Philippines)	0703-03=	2?	7/6
1993	0203	<1	**Etna** (Italy)	0101-06=	1	
1993	*0210*	....	*Stromboli (Italy)*	0101-04=	*2*	*7/-*

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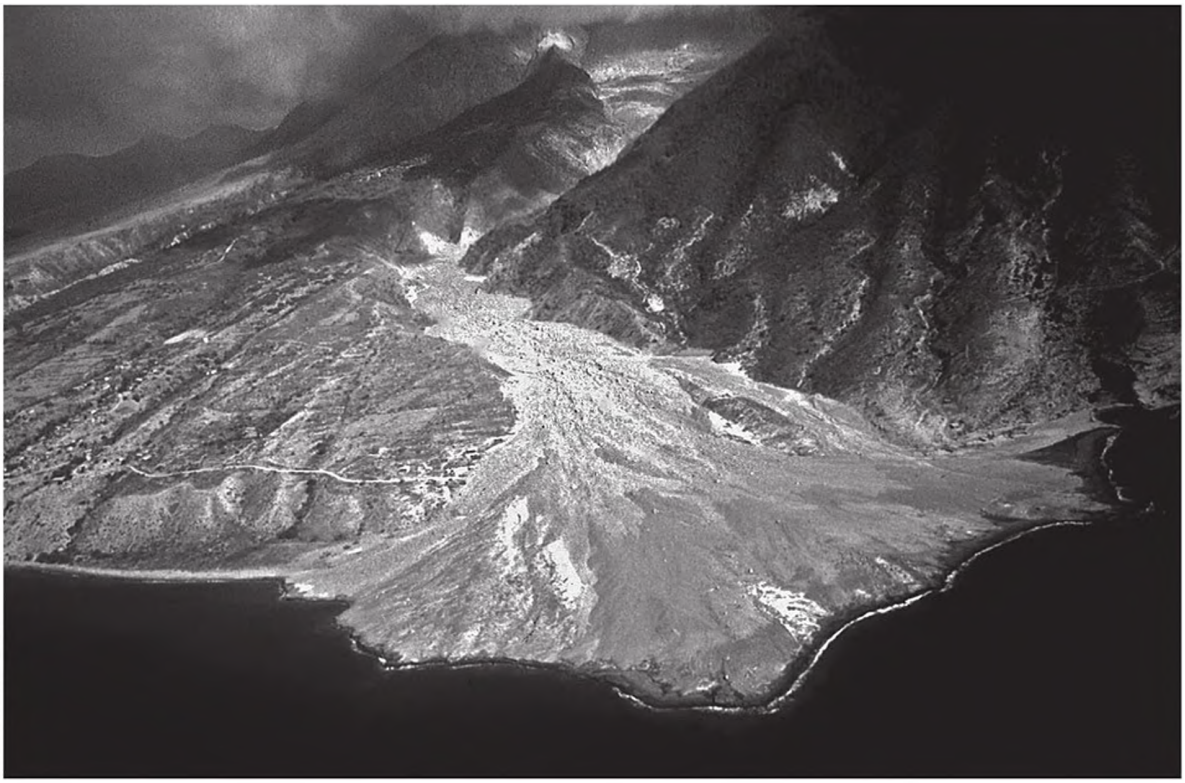
START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1993	0309	3*a*	**Guagua Pichincha** (Ecuador)	1502-02=	1	
1993	*0318*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
1993	*0320*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
? 1993	*0328*	*?*	*Aracar (Argentina)*	1505-16-	*2?*	
1993	0401t	?	**Raung** (Java)	0603-34=	1	
1993	0419	....	**Láscar** (Chile-N)	1505-10=	4	6/8
1993	*0422*	....	*Shiveluch (Kamchatka)*	1000-27=	*3*	*8/6*
? 1993	*0425*	*?*	*Taftan (Iran)*	0302-05-		
? 1993	*0429*	*?*	*Tofua (Tonga-SW Pacific)*	0403-06=	*0*	
1993	0506	25*a*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
? 1993	*0506*	*<1*	*Tungurahua (Ecuador)*	1502-08=	*1?*	
1993	0528	95*a>*	**Seguam** (Aleutian Is)	1101-18-	2	
1993	06 ?	31*p?*	**Iliboleng** (Lesser Sunda Is)	0604-??=	1?	
1993	*0614*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*2*	*7/-*
1993	0616	517*w>*	**Masaya** (Nicaragua)	1404-10=	1	
1993	0626	8*a?*	**CoAxial Segment** (Pacific-NE)	1301-02-	0	6/-
1993	0703	29*a*	**Ijen** (Java)	0603-35=	1	
1993	*0714*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
1993	0730	426*a?*	**Veniaminof** (Alaska Peninsula)	1102-07-	2	7/-
1993	08	156*m?*	**Makushin** (Aleutian Is)	1101-31-	1	
1993	0803	71*a*	**Etna** (Italy)	0101-06=	1	
1993	0825	9	**Kanlaon** (Philippines-C)	0702-02=	2	
1993	*0904*	*55a*	*Shishaldin (Aleutian Is)*	1101-36-	*1*	
? 1993	*0908*	*2a*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
1993	0915	3	**Iliwerung** (Lesser Sunda Is)	0604-25=	2	
1993	1021	106*d*	**Bezymianny** (Kamchatka)	1000-25=	3	-/7
? 1993	*1027?*	*20a?*	*Ioto [Iwo-jima] (Volcano Is-Japan)*	0804-12=	*1?*	
1993	1028	....	**Shishaldin** (Aleutian Is)	1101-36-	2	
1993	1103?	22*e?*	**Long Island** (New Guinea-NE of)	0501-05=	1	
? 1993	*1114*	*<1*	*Ojos del Salado, Nevados (Chile)*	1505-13=	*1?*	
1993	1205n	?	**Alcedo** (Galapagos)	1503-04=	1	
1993	1217	72*a*	**Láscar** (Chile-N)	1505-10=	2	
1994	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
1994	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
1994	*Cont*	....	*White Island (New Zealand)*	0401-04=	*1*	
1994	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
1994	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
1994	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
1994	*Cont*	....	*Marapi (Sumatra)*	0601-14=	*2*	
1994	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
1994	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	*7/-*
1994	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
1994	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1994	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
1994	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=	*2*	*8/6*
1994	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
1994	*Cont*	....	*Makushin (Aleutian Is)*	1101-31-	*1*	
1994	*Cont*	....	*Veniaminof (Alaska Peninsula)*	1102-07-	*2*	*7/-*
1994	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
1994	*Cont*	....	*Socorro (Mexico-Is)*	1401-021	*0*	
1994	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
1994	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*1*	
1994	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
1994	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
1994	*Cont*	....	*Sabancaya (Peru)*	1504-006	*2*	*-/7*
1994	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
1994	01	272*m>*	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
1994	0105d	325*h*	**Kanaga** (Aleutian Is)	1101-11-	2	
? 1994	*0115*	*<1*	*Tinguiririca (Chile-C)*	1507-03=	*2*	
? 1994	*0117*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
1994	0203	<1	**Ijen** (Java)	0603-35=	1	
? 1994	*0212*	*48a*	*Ruapehu (New Zealand)*	0401-10=	*1*	
1994	*03 ?*	*214p?*	*Poas (Costa Rica)*	1405-04=	*1*	
1994	0319	454*m>*	**Krakatau** (Indonesia)	0602-00=	2	
1994	0419?	57*m?*	**Ulawun** (New Britain-SW Pac)	0502-12=	1	
? 1994	*0423*	*<1*	*Ruiz, Nevado del (Colombia)*	1501-02=		
1994	*0502*	*562m*	*Aso (Kyushu-Japan)*	0802-11=	*1*	
1994	0517	105	**Llaima** (Chile-C)	1507-11=	2	
1994	0525	<1	**Cleveland** (Aleutian Is)	1101-24-	3	
1994	0603	171*a*	**Rinjani** (Lesser Sunda Is)	0604-03=	3?	
1994	0603	....	**Poas** (Costa Rica)	1405-04=	2	
1994	*0617*	*>3yr*	*Etna (Italy)*	0101-06=	*1*	*7/8*
1994	0623	631*m?*	**Nyiragongo** (Africa-C)	0203-03=	1	7/-
1994	0704	52*a>*	**Nyamuragira** (Africa-C)	0203-02=	2?	
1994	*0707*	*90d*	*Bezymianny (Kamchatka)*	1000-25=	*1*	
1994	0714	<1	**Raung** (Java)	0603-34=	1	
1994	0720	5	**Láscar** (Chile-N)	1505-10=	2	
1994	0721	<1	**Colima** (Mexico)	1401-04=	1	-/5
? 1994	*0727*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
? 1994	*0728*	*<1*	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
1994	0731	12*a*	**Telica** (Nicaragua)	1404-04=	2	
1994	0807	7*a>*	**Batur** (Lesser Sunda Is)	0604-01=	1	
1994	0822	<1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
1994	0902	....	**Bezymianny** (Kamchatka)	1000-25=	2	
1994	*0908*	*128a>*	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*7/7*
1994	0912	....	**Aso** (Kyushu-Japan)	0802-11=	2	



Peter Francis (Open Univ.)

This large delta, photographed here in 1997, formed by the accumulation of pyroclastic-flow deposits on the southern flank of Soufrière Hills volcano in Montserrat. The pyroclastic flows accompanied long-term growth and collapse of a summit lava dome in an eruptive episode that begin in 1995 and was continuing in 2010. Accumulated pyroclastic-flow deposits buried the evacuated town of O'Garra's here on the coast and the capital city of Plymouth out of view to the left.

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	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1994	0918	>3yr	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	1	5/-
	1994	0919	208	**Rabaul** (New Britain-SW Pac)	0502-14=	4?	5/-
	1994	0926	95*a*	**Villarrica** (Chile-C)	1507-12=	1	
	1994	10	<1	**Dempo** (Sumatra)	0601-23=	1	
	1994	1001	....	**Kliuchevskoi** (Kamchatka)	1000-26=	3	7/7
	1994	*1012*	....	*Pacaya (Guatemala)*	1402-11=	*2*	
	1994	*1017*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
	1994	1020	<1	**Cleveland** (Aleutian Is)	1101-24-	1?	
	1994	1113	249*a*	**Láscar** (Chile-N)	1505-10=	2	
	1994	*1122*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
	1994	1127	63*a*>	**Bulusan** (Luzon-Philippines)	0703-01=	2	
	1994	12 <	?	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	1?	
	1994	12	?	**Copahue** (Chile-C)	1507-09=	*2*	
	1994	1208	<1	**Irazú** (Costa Rica)	1405-06=	2	
	1994	1220<	166*h*	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	6/6
	1994	1221	287*a*	**Popocatépetl** (Mexico)	1401-09=	2	
	1995	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1995	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1995	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	1995	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	*7/-*
	1995	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1995	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
	1995	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*1*	*6/-*
	1995	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1995	*Cont*	....	*Barren Island (Andaman Is-Indian O)*	0600-01=	*2*	*6/6*
	1995	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
	1995	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
	1995	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
	1995	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1995	*Cont*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2*	
	1995	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	1995	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1995	*Cont*	....	*Unzen (Kyushu-Japan)*	0802-10=	*2*	*8/6*
	1995	*Cont*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	*7/7*
	1995	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/6*
	1995	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
	1995	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	1995	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1995	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1995	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1995	*Cont*	....	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
	1995	*Cont*	....	*Láscar (Chile-N)*	1505-10=	*2*	
	1995	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1995	....	?	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	1?	
S	**1995**	0109	20*a*	**Vailulu'u** (Samoa-SW Pacific)	0404-00-	0	
	1995	*0111*	*?* *302a?*	*Ruapehu (New Zealand)*	0401-10=	*0*	*-/7*
	1995	0112	97*a*	**San Miguel** (El Salvador)	1403-10=	1	
	1995	0125	73*a?*	**Fernandina** (Galápagos)	1503-01=	2	7/-
	1995	0130	<1	**Makushin** (Aleutian Is)	1101-31-	1	
	1995	0211	<1	**Yake-dake** (Honshu-Japan)	0803-07=	1	-/3
	1995	03	16*m*	**Raung** (Java)	0603-34=	1	
	1995	0302	1*a?*	**Aoba** (Vanuatu-SW Pacific)	0507-03=	2	
	1995	0303	84*e*	**Tengger Caldera [Bromo]** (Java)	0603-31=	1	
	1995	*0317*	....	*Aso (Kyushu-Japan)*	0802-11=	*2*	
	1995	04 ?	61*p*	**Michael** (Antarctica)	1900-09=	0	
	1995	0402	54*a*	**Fogo** (Cape Verde Is)	1804-01=	2	6/-
	1995	0415e	48*e*>	**Villarrica** (Chile-C)	1507-12=	1	
	1995	0417	<1	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
?	*1995*	*0501*	?	*Atka (Aleutian Is)*	1101-16-	*1?*	
	1995	0529	191*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	6/6
	1995	*0601*	....	*Pacaya (Guatemala)*	1402-11=	*3*	
	1995	0606	17*b*	**Metis Shoal** (Tonga-SW Pacific)	0403-07=	2	6/-
	1995	0619?	4*a?*	**Kanaga** (Aleutian Is)	1101-11-	2?	
	1995	0628?	<1	**White Island** (New Zealand)	0401-04=	1	
	1995	*0629*	....	*Ruapehu (New Zealand)*	0401-10=	*2*	*-/7*
?	*1995*	*07*	?	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
?	*1995*	*0705*	*2a*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
	1995	*0718*	*>3yr*	*Soufrière Hills (W Indies)*	1600-05=	*2*	*8/-*
?	*1995*	*0815*	?	*Raung (Java)*	0603-34=	*2?*	
	1995	*09* <	*23m*>	*Bezymianny (Kamchatka)*	1000-25=	*0*	
	1995	09	?	**Copahue** (Chile-C)	1507-09=	2	
	1995	0901	25*a*	**Irruputuncu** (Chile-N)	1505-04=	2	
	1995	0909	97*m*	**Tengger Caldera [Bromo]** (Java)	0603-31=	1	
?	*1995*	*0912*	?	*Rinjani (Lesser Sunda Is)*	0604-03=		
	1995	0923	....	**Ruapehu** (New Zealand)	0401-10=	3	-/7
	1995	1005	....	**Bezymianny** (Kamchatka)	1000-25=	3?	
	1995	1005d	193*m*	**Michael** (Antarctica)	1900-09=	0	
	1995	1011	164*a*	**Kuju** (Kyushu-Japan)	0802-12=	1	-/5
	1995	1011?	14*a?*	**Ruby** (Mariana Is-C Pacific)	0804-202	0	
	1995	1013	9*a*>	**Llaima** (Chile-C)	1507-11=	2?	
	1995	1106	7*a*	**Rincón de la Vieja** (Costa Rica)	1405-02=	2	
	1995	1107	....	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	7/-
	1995	1109	38*a*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
	1995	1115	15*a?*	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
	1995	*1119*	....	*Negro, Cerro (Nicaragua)*	1404-07=	*2*	*6/6*
?	*1995*	*1121*	*614a*	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
S	**1995**	1127	3	**Monowai Seamount** (Kermadec Is)	0402-05-	0	

	START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1995	1128	>3yr	**Rabaul** (New Britain-SW Pac)	0502-14=	2	6/-
U	**1995**	1201p	?	**Boomerang Seamount** (Indian O.-S)	0304-00-	0	
	1995	*1223*	....	*Etna (Italy)*	0101-06=	*2*	*7/8*
	1995	1223	144*a*<	**Shishaldin** (Aleutian Is)	1101-36-	3	
	1996	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1996	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1996	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	1996	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	*7/-*
	1996	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
	1996	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*2*	*6/-*
	1996	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
	1996	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	1996	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	1996	*Cont*	....	*Kuju (Kyushu-Japan)*	0802-12=	*1*	*-/5*
?	*1996*	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
	1996	*Cont*	....	*Shishaldin (Aleutian Is)*	1101-36-	*3*	
	1996	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
	1996	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	1996	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	1996	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	1996	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	1996	*Cont*	....	*Sabancaya (Perú)*	1504-006	*2*	*-/7*
	1996	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	1996	....	?	**Gamalama** (Halmahera-Indonesia)	0608-06=	2?	
	1996	....	?	**Pagan** (Mariana Is-C Pacific)	0804-17=	1	
	1996	....	?	**Galápagos Rift** (Pacific-E)	1304-07-	0	
	1996	01	?	**Villarrica** (Chile-C)	1507-12=	1	
	1996	0102	<1	**Akademia Nauk** (Kamchatka)	1000-125	3	-/7
	1996	*0102*	*>3yr*	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/-*
?	*1996*	*0111*	*1a*	*Minami-Hiyoshi (Volcano Is-Japan)*	0804-131	*0*	
?	*1996*	*0122*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
	1996	0210	81*a*	**Unzen** (Kyushu-Japan)	0802-10=	2	
	1996	0218	4*a*>	**Eastern Gemini Seamount** (S Pac)	0508-001	1	
	1996	0225p	165*p?*	**Loihi** (Hawaiian Is)	1302-00-	0	
	1996	0228?	16*a?*	**North Gorda Ridge** (Pacific-NE)	1301-031	0	7/-
	1996	0305	*7a?*	**Komaga-take** (Hokkaido-Japan)	0805-02=	1	
	1996	*0305*	*>3yr*	*Popocatépetl (Mexico)*	1401-09=	*2*	*7/-*
	1996	*0315*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*2*	*7/-*
?	*1996*	*0321*<	?	*Ruapehu (New Zealand)*	0401-10=	*0*	
	1996	0408	<1	**Poás** (Costa Rica)	1405-04=	1	
?	*1996*	*0505*	?	*Sorikmarapi (Sumatra)*	0601-12=		
	1996	*0505*	....	*Semeru (Java)*	0603-30=	*3*	
	1996	06 <	>3yr	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	1	
?	*1996*	*0611*	?	*Kanaga (Aleutian Is)*	1101-11-	*1?*	
	1996	*0616*	*77a*	*Ruapehu (New Zealand)*	0401-10=	*2*	*-/6*
	1996	*0625*	....	*Etna (Italy)*	0101-06=	*2*	*7/8*
?	*1996*	*0627*	?	*Ruang (Sangihe Is-Indonesia)*	0607-01=		
	1996	07 <	92*p*>	**Krakatau** (Indonesia)	0602-00=	2	
	1996	0720	....	**Ruapehu** (New Zealand)	0401-10=	3	-/6
	1996	0723?	40*a?*	**Bezymianny** (Kamchatka)	1000-25=	0	
	1996	08	61*p*	**Kerinci** (Sumatra)	0601-17=	1	
?	*1996*	*08*	?	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
	1996	0810	<1	**Kanlaon** (Philippines-C)	0702-02=	2	
	1996	0901	<1	**Adatara** (Honshu-Japan)	0803-17=	1	
?	*1996*	*0901w*	?	*Montagu Island (Antarctica)*	1900-081	*1?*	
	1996	*0911*	*115a?*	*Pavlof (Alaska Peninsula)*	1102-03-	*1*	
	1996	0914	336*m*	**Villarrica** (Chile-C)	1507-12=	1	
	1996	0917	1*a*	**Amukta** (Aleutian Is)	1101-19-	1	
	1996	0917	....	**Soufrière Hills** (W Indies)	1600-05=	3	8/-
S	**1996**	0920	2	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
?	*1996*	*0927*	?	*Gareloi (Aleutian Is)*	1101-07-	*1?*	
?	*1996*	*0927*	?	*Maderas (Nicaragua)*	1404-13-		
	1996	*0930*	*36*	*Grímsvötn (Iceland-NE)*	1703-01=	*0*	*8/-*
	1996	10	?	**Michael** (Antarctica)	1900-09=	0	
	1996	1001<	257*m*>	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	1	
	1996	1003	....	**Grímsvötn** (Iceland-NE)	1703-01=	3?	8/-
	1996	1018	....	**Pavlof** (Alaska Peninsula)	1102-03-	2	
	1996	1018	<1	**Láscar** (Chile-N)	1505-10=	2	
	1996	1114	126*k*>	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	1996	1121	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	1996	12	57*t*	**McDonald Islands** (Indian O.-S)	0304-011	1?	
	1996	1201	4*a*>	**Nyamuragira** (Africa-C)	0203-02=	3	
	1996	*1203*	....	*Manam (New Guinea-NE of)*	0501-02=	*3*	*7/7*
	1996	1203	?	**Alaid** (Kuril Is)	0900-39=	2	
	1996	1205	<1	**Masaya** (Nicaragua)	1404-10=	1	
	1996	1226	112*a*	**Suwanose-jima** (Ryukyu Is)	0802-03=	1	
	1996	1231	<1	**Dieng Volc Complex** (Java)	0603-20=	1	
	1997	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	1997	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*7/8*
	1997	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	1997	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	1997	*Cont*	....	*McDonald Islands (Indian O.-S)*	0304-011	*1?*	
	1997	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	*7/7*
	1997	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*2*	*6/-*
	1997	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*1*	
	1997	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	1997	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	1999	0514	<1	**Wrangell** (Alaska-E)	1105-02-	1	
	1999	*0521*	*568a>*	*Fuego (Guatemala)*	1402-09=	*1*	
	1999	*0521*	*473a*	*Telica (Nicaragua)*	1404-04=	*1*	
	1999	0522	116*m*>	**Iliwerung** (Lesser Sunda Is)	0604-25=	0	
S	1999	0606	5*a*	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	1999	0615e	15*i*	**Suwanose-jima** (Ryukyu Is)	0802-03=	1?	
	1999	0622	271*a*	**Mayon** (Luzon-Philippines)	0703-03=	3	
	1999	0628	<1	**Ijen** (Java)	0603-35=	1?	
	1999	0701	....	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
	1999	*0717*	....	*Colima (Mexico)*	1401-04=	*3*	*7/6*
?	*1999*	*0717?*	*28e?*	*Katla (Iceland-S)*	1702-03=	*0*	
	1999	0719	96*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	6/-
	1999	0730	?	**Raung** (Java)	0603-34=	?	
	1999	0805	2*a*	**Negro, Cerro** (Nicaragua)	1404-07=	2	5/6
	1999	*0815*	*>3yr*	*Shiveluch (Kamchatka)*	1000-27=	*1*	*8/-*
	1999	0821	....	**Guagua Pichincha** (Ecuador)	1502-02=	3	6/-
	1999	*0904*	....	*Etna (Italy)*	0101-06=	*2*	*7/8*
?	*1999*	*0907*	*9a*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
?	*1999*	*0908*	*163a*	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
	1999	0910	<1	**Ioto [Iwo-jima]** (Volcano Is-Japan)	0804-12=	1	
?	*1999*	*0925e*	*132e?*	*Shishaldin (Aleutian Is)*	1101-36-		
	1999	*1005*	*>3yr*	*Tungurahua (Ecuador)*	1502-08=	*2*	
	1999	1007	6*a*	**Medvezhia** (Kuril Is)	0900-10=	1	
	1999	*1017*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*3?*	*6/-*
	1999	1020	<1	**Ulawun** (New Britain-SW Pac)	0502-12=	1	
	1999	11 ?	>3yr	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	1	
	1999	*11*	....	*Shiveluch (Kamchatka)*	1000-27=	*2*	*8/-*
	1999	1120	....	**San Cristóbal** (Nicaragua)	1404-02=	2	-/6
	1999	1122	101*a?*	**Masaya** (Nicaragua)	1404-10=	1	
	1999	1227	2*a?*	**Concepción** (Nicaragua)	1404-12=	1	
?	*1999*	*1227*	*?*	*Maderas (Nicaragua)*	1404-13-		
	1999	1229	....	**Telica** (Nicaragua)	1404-04=	2	

2000

	2000	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	2000	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	*7/8*
	2000	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	2000	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	2000	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	*7/-*
	2000	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*2*	*6/-*
	2000	*Cont*	....	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	*1*	
	2000	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*1*	
	2000	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	2000	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
	2000	*Cont*	....	*Batur (Lesser Sunda Is)*	0604-01=	*1*	
	2000	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	2000	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	2000	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	*7/-*
	2000	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
	2000	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*7/6*
	2000	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	2000	*Cont*	....	*San Cristóbal (Nicaragua)*	1404-02=	*1*	*-/6*
	2000	*Cont*	....	*Telica (Nicaragua)*	1404-04=	*1*	
	2000	*Cont*	....	*Masaya (Nicaragua)*	1404-10=	*1*	
	2000	*Cont*	....	*Guagua Pichincha (Ecuador)*	1502-02=	*2*	*6/-*
	2000	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
	2000	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	2000	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	2000	*Cont*	....	*Terceira (Azores)*	1802-05=	*0*	
?	*2000*	*01*	*?*	*Barren Island (Andaman Is-Indian O)*	0600-01=	*1?*	
	2000	01	60*p*	**Kikai** (Ryukyu Is)	0802-06=	2?	
	2000	*0116*	....	*Pacaya (Guatemala)*	1402-11=	*3*	
?	*2000*	*0125*	*1a*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	2000	0127	14*a*>	**Nyamuragira** (Africa-C)	0203-02=	2?	
	2000	0203	5*a?*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	2000	0214	19	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	6/-
	2000	0218	....	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	3/-
	2000	0224d	1?	**Suwanose-jima** (Ryukyu Is)	0802-03=	2?	
	2000	0226	12	**Hekla** (Iceland-S)	1702-07=	3	8/7
	2000	*0228*	....	*Mayon (Luzon-Philippines)*	0703-03=	*3*	
	2000	*0307?*	*344m?*	*Heard (Indian O.-S)*	0304-01=	*1*	
	2000	*0307*	*182d*	*White Island (New Zealand)*	0401-04=	*1*	
	2000	0311	23*a*>	**Marapi** (Sumatra)	0601-14=	2	
	2000	0314	12*a*	**Bezymianny** (Kamchatka)	1000-25=	2	
	2000	0317	<1	**Mutnovsky** (Kamchatka)	1000-06=	2	
	2000	*0320*	....	*Soufrière Hills (W Indies)*	1600-05=	*3*	*8/-*
	2000	0321	58*a*	**Galeras** (Colombia)	1501-08=	1	
	2000	0331	533*e*	**Usu** (Hokkaido-Japan)	0805-03=	2	
	2000	04 ?	197*m?*	**Sabancaya** (Perú)	1504-006	2	
	2000	*0418*	....	*White Island (New Zealand)*	0401-04=	*2*	
	2000	0510c	465*c*	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	2000	0513	>3yr	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	7/-
	2000	0528	110*e*	**Cameroon** (Africa-W)	0204-01=	2?	6/-
	2000	0529	154*a?*	**Krakatau** (Indonesia)	0602-00=	1	
	2000	0603	<1	**Manam** (New Guinea-NE of)	0501-02=	2	
	2000	0623	143	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	7/-
	2000	*0627*	*93a*	*Miyake-jima (Izu Is-Japan)*	0804-04=	*0*	*-/7*
S	2000	0630	<1	**Mutnovsky** (Kamchatka)	1000-06=	1?	
?	*2000*	*07 ?*	*92p?*	*Slamet (Java)*	0603-18=	*1?*	
	2000	0701	109*a*	**Copahue** (Chile-C)	1507-09=	2	
	2000	*0708*	....	*Miyake-jima (Izu Is-Japan)*	0804-04=	*2*	*-/7*
	2000	0709	?	**Raung** (Java)	0603-34=	2?	
	2000	0716	46	**Mayon** (Luzon-Philippines)	0703-03=	2	
	2000	*0718*	*109a>*	*Bezymianny (Kamchatka)*	1000-25=	*1*	
	2000	0720	182*a?*	**Láscar** (Chile-N)	1505-10=	2	
?	*2000*	*0726*	*322a*	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	*0*	
	2000	0727	....	**White Island** (New Zealand)	0401-04=	3?	
	2000	0728	56*a*	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	2000	08	323*m?*	**Pacaya** (Guatemala)	1402-11=	1	
?	*2000*	*08*	*?*	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
	2000	08 ?	153*p*	**Michael** (Antarctica)	1900-09=	0	
?	*2000*	*0811*	*?*	*Shishaldin (Aleutian Is)*	1101-36-		
	2000	0818	....	**Miyake-jima** (Izu Is-Japan)	0804-04=	3	-/7
	2000	0822?	5*a?*	**Kaba** (Sumatra)	0601-22=	1	
	2000	*0823*	....	*Arenal (Costa Rica)*	1405-033	*2*	*8/7*
	2000	*0829*	....	*Shiveluch (Kamchatka)*	1000-27=	*3*	*8/-*
	2000	0829	....	**Fuego** (Guatemala)	1402-09=	2	
?	*2000*	*0901e*	*9e*	*Ijen (Java)*	0603-35=	*1*	
	2000	0904	64	**Komaga-take** (Hokkaido-Japan)	0805-02=	1	
	2000	0916	>3yr	**Bagana** (Bougainville-SW Pacific)	0505-02=	2	
	2000	*0928*	*34*	*Ulawun (New Britain-SW Pac)*	0502-12=	*1*	
	2000	0929	....	**Ulawun** (New Britain-SW Pac)	0502-12=	4	
	2000	10	457*p*	**Kikai** (Ryukyu Is)	0802-06=	1	
	2000	*1027*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*2*	
?	*2000*	*1030*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
?	*2000*	*1030*	*<1*	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	*0*	
	2000	1031	....	**Bezymianny** (Kamchatka)	1000-25=	2	
	2000	1102?	165*a?*	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	1?	
	2000	1129	47*a*>	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	2000	*12*	....	*Erebus (Antarctica)*	1900-02=	*2*	
	2000	*1212*	....	*Popocatépetl (Mexico)*	1401-09=	*3*	*7/-*
	2000	*1219*	*>3yr*	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2?*	
	2000	1225	1*a*>	**Peuet Sague** (Sumatra)	0601-03=	2	
	2001	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	2001	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	2001	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	2001	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*2*	*6/-*
	2001	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	2001	*Cont*	....	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	*1*	
	2001	*Cont*	....	*Tinakula (Santa Cruz Is-SW Pacific)*	0506-01=	*1?*	
	2001	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*1*	
	2001	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	2001	*Cont*	....	*Merapi (Java)*	0603-25=	*2*	*7/-*
	2001	*Cont*	....	*Tengger Caldera [Bromo] (Java)*	0603-31=	*2*	
	2001	*Cont*	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	*0*	*7/-*
	2001	*Cont*	....	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	*2*	
	2001	*Cont*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*1*	
	2001	*Cont*	....	*Kikai (Ryukyu Is)*	0802-06=	*1*	
	2001	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	2001	*Cont*	....	*Usu (Hokkaido-Japan)*	0805-03=	*2*	
	2001	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
	2001	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*7/6*
	2001	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
	2001	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	2001	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
	2001	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	2001	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	2001	*Cont*	....	*Soufrière Hills (W Indies)*	1600-05=	*2*	*8/-*
	2001	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
?	*2001*	*01*	*?*	*Nishino-shima (Volcano Is-Japan)*	0804-096	*0*	
	2001	*0108*	*212a*	*Mayon (Luzon-Philippines)*	0703-03=	*0*	*7/7*
	2001	0111	53*m?*	**Inielika** (Lesser Sunda Is)	0604-09=	2	
	2001	*0111*	*682a*	*Miyake-jima (Izu Is-Japan)*	0804-04=	*1*	
	2001	0116?	107*a?*	**Ulawun** (New Britain-SW Pac)	0502-12=	3?	
	2001	0117	336*a?*	**Telica** (Nicaragua)	1404-04=	1	
	2001	*0122*	....	*Mayon (Luzon-Philippines)*	0703-03=	*1*	*7/7*
	2001	*0122*	....	*Popocatépetl (Mexico)*	1401-09=	*3*	*7/-*
	2001	0202	....	**Heard** (Indian O.-S)	0304-01=	2	
	2001	*0202*	....	*Ulawun (New Britain-SW Pac)*	0502-12=	*2*	
	2001	*0202<*	*71a?*	*Cleveland (Aleutian Is)*	1101-24-	*0*	
	2001	0206	58*d*	**Nyamuragira** (Africa-C)	0203-02=	2?	
	2001	0219	<1?	**White Island** (New Zealand)	0401-04=	2	
	2001	0219	....	**Cleveland** (Aleutian Is)	1101-24-	3?	
	2001	*0307*	....	*Shiveluch (Kamchatka)*	1000-27=	*3*	*8/-*
	2001	0327	7	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	6/-
	2001	0413	53*a*	**Marapi** (Sumatra)	0601-14=	2	
	2001	0423	2*a?*	**Masaya** (Nicaragua)	1404-10=	1	
S	2001	0424	<1	**Ahyi** (Mariana Is-C Pacific)	0804-141	0	
	2001	*0429*	....	*Ulawun (New Britain-SW Pac)*	0502-12=	*3*	
	2001	0503v	?	**McDonald Islands** (Indian O.-S)	0304-011	1?	
	2001	0511	....	**Suwanose-jima** (Ryukyu Is)	0802-03=	3?	
	2001	0511?	212*a?*	**San Cristóbal** (Nicaragua)	1404-02=	1	
	2001	0512	471*a?*	**Kerinci** (Sumatra)	0601-17=	2	

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
? 2001	0517?	49a?	Láscar (Chile-N)	1505-10=		
2001	0522	....	Shiveluch (Kamchatka)	1000-27=	4?	8/-
2001	0527	....	Miyake-jima (Izu Is-Japan)	0804-04=	2	
2001	0528?	128a?	Ibu (Halmahera-Indonesia)	0608-03=	0	
? 2001	0605d	?	Pavlof (Alaska Peninsula)	1102-03-	1?	
2001	0608	11a>	Lopevi (Vanuatu-SW Pacific)	0507-05=	3	
2001	0611	26a	Fournaise, Piton de la (Indian O.)	0303-02=	1	6/-
2001	0614	9a?	Manam (New Guinea-NE of)	0501-02=	2	
2001	0624	....	Mayon (Luzon-Philippines)	0703-03=	3	7/7
2001	0717	24	Etna (Italy)	0101-06=	1	7/6
2001	0721	....	Etna (Italy)	0101-06=	2	7/6
2001	0721	58a?	Krakatau (Indonesia)	0602-00=	1	
2001	0723?	18a?	Bezymianny (Kamchatka)	1000-25=	0	
2001	0726	....	Mayon (Luzon-Philippines)	0703-03=	3	7/7
2001	0807	....	Bezymianny (Kamchatka)	1000-25=	3	
2001	0828	<1	Ulawun (New Britain-SW Pac)	0502-12=	2	
2001	09 ?	61p?	Michael (Antarctica)	1900-09=	0	
2001	0921	32a	Ioto [Iwo-jima] (Volcano Is-Japan)	0804-12=	1	
2001	0925	51c	Talang (Sumatra)	0601-16=	1	
2001	0927	1a?	Unnamed [NW of Vavau] (Tonga)	0403-091	2	
2001	0930	....	Shiveluch (Kamchatka)	1000-27=	3	8/-
2001	1001n	>3yr	Montagu Island (Antarctica)	1900-081	1?	
2001	1005	<1	Avachinsky (Kamchatka)	1000-10=	1	
2001	1016	....	Miyake-jima (Izu Is-Japan)	0804-04=	2	
? 2001	1029	<1	Kita-Iwo-jima (Volcano Is-Japan)	0804-11=	0	
? 2001	1030	<1	Kita-Fukutokutai (Volcano Is-Japan)	0804-121	0	
? 2001	1030	232a	Fukutoku-Okanoba (Volcano Is-Japan)	0804-13=	0	
? 2001	1031	120a	Smith Rock (Izu Is-Japan)	0804-08=	0	
2001	1031	<1	Pacaya (Guatemala)	1402-11=	1	
2001	1115	>3yr	Karymsky (Kamchatka)	1000-13=	2	
2001	1126	<1	Guagua Pichincha (Ecuador)	1502-02=	1?	
2001	12 ?	319m?	Etna (Italy)	0101-06=	1	
S 2001	1204	2a	Kick 'em Jenny (W Indies)	1600-16=	0	
2001	1210	27a?	Bezymianny (Kamchatka)	1000-25=	2	
2002	Cont	....	Erta Ale (Ethiopia)	0201-08=	0	
2002	Cont	....	Lengai, Ol Doinyo (Africa-E)	0202-12=	1	5/-
2002	Cont	....	Bagana (Bougainville-SW Pacific)	0505-02=	2	
2002	Cont	....	Kavachi (Solomon Is-SW Pacific)	0505-06=	1	
2002	Cont	....	Ambrym (Vanuatu-SW Pacific)	0507-04=	1	
2002	Cont	....	Yasur (Vanuatu-SW Pacific)	0507-10=	2	
2002	Cont	....	Kerinci (Sumatra)	0601-17=	2	
2002	Cont	....	Merapi (Java)	0603-25=	2	7/-
2002	Cont	....	Semeru (Java)	0603-30=	2	
2002	Cont	....	Soputan (Sulawesi-Indonesia)	0606-03=	0	7/-
2002	Cont	....	Karangetang [Api Siau] (Sangihe Is	0607-02=	1	
2002	Cont	....	Dukono (Halmahera-Indonesia)	0608-01=	2	
2002	Cont	....	Suwanose-jima (Ryukyu Is)	0802-03=	2?	
2002	Cont	....	Sakura-jima (Kyushu-Japan)	0802-08=	2	
2002	Cont	....	Miyake-jima (Izu Is-Japan)	0804-04=	1	
2002	Cont	....	Shiveluch (Kamchatka)	1000-27=	1	8/-
2002	Cont	....	Kilauea (Hawaiian Is)	1302-01-	0	9/-
2002	Cont	....	Colima (Mexico)	1401-04=	1	7/6
2002	Cont	....	Popocatépetl (Mexico)	1401-09=	2	7/-
2002	Cont	....	Santa Maria (Guatemala)	1402-03=	1	9/8
2002	Cont	....	Arenal (Costa Rica)	1405-033	1	8/7
2002	Cont	....	Tungurahua (Ecuador)	1502-08=	2	
2002	Cont	....	Sangay (Ecuador)	1502-09=	2	
2002	Cont	....	Villarrica (Chile-C)	1507-12=	1	
2002	Cont	....	Soufrière Hills (W Indies)	1600-05=	2	8/-
2002	Cont	....	Erebus (Antarctica)	1900-02=	1	
2002	Cont	....	Montagu Island (Antarctica)	1900-081	1?	
2002	0104	>3yr	Fuego (Guatemala)	1402-09=	2	
2002	0105	10	Fournaise, Piton de la (Indian O.)	0303-02=	1	7/-
2002	0113	128a	Manam (New Guinea-NE of)	0501-02=	1	
2002	0116	<1	San Miguel (El Salvador)	1403-10=	1	
2002	0117	17a>	Nyiragongo (Africa-C)	0203-03=	1	7/-
2002	0125	87a?	Chikurachki (Kuril Is)	0900-36=	2	
2002	0201	....	Karymsky (Kamchatka)	1000-13=	3	
2002	0209	96m?	Lokon-Empung (Sulawesi-Indonesia)	0606-10=	2	
? 2002	0228	<1	Kita-Iwo-jima (Volcano Is-Japan)	0804-11=	0	
2002	03	16m	Epi (Vanuatu-SW Pacific)	0507-06=	1?	
2002	04	?	Tinakula (Santa Cruz Is-SW Pacific)	0506-01=	1	
2002	04	15m	Guagua Pichincha (Ecuador)	1502-02=	1?	
2002	0409	61a<	Kliuchevskoi (Kamchatka)	1000-26=	2	
2002	0511	65m	Kikai (Ryukyu Is)	0802-06=	2	
2002	0517?	>3yr	Nyragongo (Afnca-C)	0203-03=	1	
2002	0520	....	Manam (New Guinea-NE of)	0501-02=	3?	
S 2002	0524	<1	Monowai Seamount (Kermadec Is)	0402-05-	0	
2002	0525?	339a?	Langila (New Britain-SW Pac)	0502-01=	2	
2002	0529	201a?	San Cristóbal (Nicaragua)	1404-02=	1	
2002	0530	18a?	Pacaya (Guatemala)	1402-11=	1?	
2002	06 <	71m>	Raung (Java)	0603-34=	2	
2002	0607	<1?	Galeras (Colombia)	1501-08=	1?	
2002	07 <	?	Korovin (Aleutian Is)	1101-161	1?	
? 2002	07	61m	Bárdarbunga (Iceland-NE)	1703-03=	0	
2002	07 ?	123p?	Michael (Antarctica)	1900-09=	0	
2002	0725	52m?	Nyamuragira (Africa-C)	0203-02=	2?	
? 2002	0729	17c	Ijen (Java)	0603-35=	1	
2002	0801	1a	Wrangell (Alaska-E)	1105-02-	1	
? 2002	0802	<1	Ritter Island (New Guinea-NE of)	0501-07=	2?	
2002	0803	177o>	Pago (New Britain-SW Pac)	0502-08=	3	8/-
2002	0812	8a	Tori-shima (Izu Is-Japan)	0804-09=	2	

Jean-Claude Tanguy (Univ. Paris)

The 2001 south-flank eruption of Italy's Etna volcano ejected a dark ash plume from the upper vent and a smaller series of plumes from lower vents that also produced a lava flow. The flows destroyed buildings, cable car facilities, and overran a highway in two places. Heavy tephra fall disrupted air traffic.

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	2002	0822?	73a?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
?	2002	0904	<1	*Smith Rock (Izu Is-Japan)*	0804-08=	0	
	2002	0924	180a	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
	2002	0925	4a?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	4?	
	2002	1006?	499a?	*Rabaul (New Britain-SW Pac)*	0502-14=	1	
	2002	1011	<1	**Mayon** (Luzon-Philippines)	0703-03=	1	
	2002	1011	57a	**Guagua Pichincha** (Ecuador)	1502-02=	1?	
	2002	1012	<1?	**Lewotobi** (Lesser Sunda Is)	0604-18=	1	
	2002	1013k	?	**Llaima** (Chile-C)	1507-11=	1	
	2002	1017	?	**Telica** (Nicaragua)	1404-04=	0	
	2002	1020?	....	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	2002	1021	....	*Ulawun (New Britain-SW Pac)*	0502-12=	2	
	2002	1026	93	**Etna** (Italy)	0101-06=	3	7/7
	2002	1026	1	**Lascar** (Chile-N)	1505-10=	2	
	2002	1031	?	**Manam** (New Guinea-NE of)	0501-02=	2	
?	2002	11	?	*Tinakula (Santa Cruz Is-SW Pacific)*	0506-01=	1?	
S	2002	1101	23a	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	2002	1103	68a?	**Reventador** (Ecuador)	1502-01=	4	7/8
	2002	1111	38c	*Papandayan (Java)*	0603-10=	1	
	2002	1115	....	**Papandayan** (Java)	0603-10=	2	
	2002	1116	17a	**Fournaise, Piton de la** (Indian O.)	0303-02=	2	6/-
	2002	1124	501a	*Kliuchevskoi (Kamchatka)*	1000-26=	1	
	2002	1128	<1	**Kanlaon** (Philippines-C)	0702-02=	1	
?	2002	1219	82a	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	0	
	2002	1223	97a	*Lokon-Empung (Sulawesi-Indonesia)*	0606-10=	1	
	2002	1224	....	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	2002	1225	3a?	**Bezymianny** (Kamchatka)	1000-25=	2	
	2002	1228	....	*Stromboli (Italy)*	0101-04=	1	7/-
	2003	Cont	....	*Erta Ale (Ethiopia)*	0201-08=	0	
	2003	Cont	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	1	5/-
	2003	Cont	....	*Nyiragongo (Africa-C)*	0203-03=	1	
	2003	Cont	....	*Langila (New Britain-SW Pac)*	0502-01=	2	
	2003	Cont	....	*Pago (New Britain-SW Pac)*	0502-08=	0	8/-
	2003	Cont	....	*Rabaul (New Britain-SW Pac)*	0502-14=	1	
	2003	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
	2003	Cont	....	*Kavachi (Solomon Is-SW Pacific)*	0505-06=	1	
	2003	Cont	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	1	
	2003	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
	2003	Cont	....	*Semeru (Java)*	0603-30=	2	
	2003	Cont	....	*Dukono (Halmahera-Indonesia)*	0608-01=	2	
	2003	Cont	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	2?	
	2003	Cont	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	2	
?	2003	Cont	....	*Fukutoku-Okanoba (Volcano Is-Japan)*	0804-13=	0	
	2003	Cont	....	*Karymsky (Kamchatka)*	1000-13=	2	
	2003	Cont	....	*Kliuchevskoi (Kamchatka)*	1000-26=	1	
	2003	Cont	....	*Shiveluch (Kamchatka)*	1000-27=	1	8/-
	2003	Cont	....	*Veniaminof (Alaska Peninsula)*	1102-07-	1	
	2003	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	9/-
	2003	Cont	....	*Colima (Mexico)*	1401-04=	1	7/6
	2003	Cont	....	*Popocatepetl (Mexico)*	1401-09=	2	7/-
	2003	Cont	....	*Santa Maria (Guatemala)*	1402-03=	1	9/8
	2003	Cont	....	*Fuego (Guatemala)*	1402-09=	2	
	2003	Cont	....	*Arenal (Costa Rica)*	1405-033	1	8/7
	2003	Cont	....	*Reventador (Ecuador)*	1502-01=	2	7/8
	2003	Cont	....	*Tungurahua (Ecuador)*	1502-08=	2	
	2003	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
	2003	Cont	....	*Erebus (Antarctica)*	1900-02=	1	
	2003	Cont	....	*Montagu Island (Antarctica)*	1900-081	1?	
	2003	?	>3yr	**NW Rota-1** (Mariana Is-C Pacific)	0804-211	0	
	2003	02 ?	244p	**Kikai** (Ryukyu Is)	0802-06=	2	
	2003	0206	71a	**Asama** (Honshu-Japan)	0803-11=	1	-/2
	2003	0208	....	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	2	
	2003	0307	138	**Kanlaon** (Philippines-C)	0702-02=	1	
	2003	0308c	215c	**Etna** (Italy)	0101-06=	1	
?	2003	0310	<1	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	0	
	2003	0317	58a	**Mayon** (Luzon-Philippines)	0703-03=	2	
	2003	b 04	?	**Vailulu'u** (Samoa-SW Pacific)	0404-00-	0	
	2003	0405	....	*Stromboli (Italy)*	0101-04=	2	7/-
	2003	0409	7a>	*Llaima (Chile-C)*	1507-11=	1	
S	2003	0410	524m	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	2003	0411	....	**Llaima** (Chile-C)	1507-11=	2	
	2003	0414?	179a?	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	2003	0417	77a?	**Chikurachki** (Kuril Is)	0900-36=	2	
?	2003	0417<	<1?	*Guagua Pichincha (Ecuador)*	1502-02=	1	
	2003	05 ?	184p?	**Unnamed** (Pacific-E)	1304-04-	0	
	2003	0506?	<1?	**Michael** (Antarctica)	1900-09=	0	
	2003	0510	63c	**Anatahan** (Mariana Is-C Pacific)	0804-20=	3	-/7
	2003	0517	6a	**Manam** (New Guinea-NE of)	0501-02=	1	
	2003	0523?	307a?	**Villarrica** (Chile-C)	1507-12=	1	
	2003	0530	225a	**Fournaise, Piton de la** (Indian O.)	0303-02=	1	7/-
	2003	0530	94a>	*Lewotobi (Lesser Sunda Is)*	0604-18=	1	
	2003	0608	8a?	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	3	
	2003	0609	371a	**Heard** (Indian O.-S)	0304-01=	0	
	2003	0617	361a	**San Cristóbal** (Nicaragua)	1404-02=	1?	
	2003	0626	32	*Leroboleng (Lesser Sunda Is)*	0604-20=	1	
	2003	07	<1	**Dieng Volc Complex** (Java)	0603-20=	1?	
	2003	0702	....	*Ulawun (New Britain-SW Pac)*	0502-12=	2	

	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	2003	0710	4a	**Aso** (Kyushu-Japan)	0802-11=	1	
	2003	0712	....	*Soufrière Hills (W Indies)*	1600-05=	3	8/-
	2003	0714	....	*Leroboleng (Lesser Sunda Is)*	0604-20=	2	
	2003	0718	....	*Soputan (Sulawesi-Indonesia)*	0606-03=	2	7/-
	2003	0719c	....	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	3?	
	2003	0726	6a?	**Bezymianny** (Kamchatka)	1000-25=	3	
	2003	0729	....	**Leroboleng** (Lesser Sunda Is)	0604-20=	3	
	2003	0730a	?	**Sabancaya** (Perú)	1504-006	2?	
	2003	0731	64c	**Gamalama** (Halmahera-Indonesia)	0608-06=	2	
	2003	0829	17e	**Chillan, Nevados de** (Chile-C)	1507-07=	1	
	2003	0901	....	**Lewotobi** (Lesser Sunda Is)	0604-18=	2	
	2003	0912	<1	**Lokon-Empung** (Sulawesi-Indonesia)	0606-10=	3	
	2003	0922<	81a?	*Masaya (Nicaragua)*	1404-10=	0	
?	2003	1008	3a?	*Mayon (Luzon-Philippines)*	0703-03=	0	
	2003	1026e	154e	**Manam** (New Guinea-NE of)	0501-02=	1	
?	2003	1104	<1	*Kita-Iwo-jima (Volcano Is-Japan)*	0804-11=	0	
?	2003	1106	<1	*Smith Rock (Izu Is-Japan)*	0804-08=	0	
	2003	1129	....	**Masaya** (Nicaragua)	1404-10=	1	
?	2003	1209	<1	*Lascar (Chile-N)*	1505-10=	1	
	2004	Cont	....	*Stromboli (Italy)*	0101-04=	1	7/-
	2004	Cont	....	*Erta Ale (Ethiopia)*	0201-08=	0	
	2004	Cont	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	1	5/-
	2004	Cont	....	*Heard (Indian O.-S)*	0304-01=	0	
S	2004	Cont	....	*Monowai Seamount (Kermadec Is)*	0402-05-	0	
	2004	Cont	....	*Rabaul (New Britain-SW Pac)*	0502-14=	1	
	2004	Cont	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	2	
	2004	Cont	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	1	
	2004	Cont	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	2	
	2004	Cont	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	2	
	2004	Cont	....	*NW Rota-1 (Mariana Is-C Pacific)*	0804-211	0	
	2004	Cont	....	*Kilauea (Hawaiian Is)*	1302-01-	0	9/-
	2004	Cont	....	*Colima (Mexico)*	1401-04=	1	7/6
	2004	Cont	....	*Fuego (Guatemala)*	1402-09=	2	
	2004	Cont	....	*Arenal (Costa Rica)*	1405-033	1	8/7
	2004	Cont	....	*Guagua Pichincha (Ecuador)*	1502-02=	1?	
	2004	Cont	....	*Tungurahua (Ecuador)*	1502-08=	2	
	2004	Cont	....	*Sangay (Ecuador)*	1502-09=	2	
	2004	Cont	....	*Erebus (Antarctica)*	1900-02=	1	
	2004	Cont	....	*Montagu Island (Antarctica)*	1900-081	1?	
	2004	0114	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
	2004	0114	397m>	*Bezymianny (Kamchatka)*	1000-25=	2	
	2004	0120?	7a?	**Langila** (New Britain-SW Pac)	0502-01=	2?	
	2004	0129	7a?	**Egon** (Lesser Sunda Is)	0604-16=	1	
	2004	0212	2a	**Etna** (Italy)	0101-06=	1?	
	2004	0216	8a	**Epi** (Vanuatu-SW Pacific)	0507-06=	2	
	2004	0216	202m	*Veniaminof (Alaska Peninsula)*	1102-07-	1	
	2004	0217	150m>	*Shishaldin (Aleutian Is)*	1101-36-	1	
	2004	0220	....	**Shishaldin** (Aleutian Is)	1101-36-	2	
?	2004	0224	<1	*Pago (New Britain-SW Pac)*	0502-08=	1?	
	2004	0225	54a	**Tokachi** (Hokkaido-Japan)	0805-05=	1?	
	2004	0303	59	**Soufrière Hills** (W Indies)	1600-05=	3?	
	2004	0305	255m	**Kikai** (Ryukyu Is)	0802-06=	2	
	2004	0315	?	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	1	
?	2004	0319	71a	*Tofua (Tonga-SW Pacific)*	0403-06=	1?	
	2004	0331	<1	**Telica** (Nicaragua)	1404-04=	1	
	2004	0402?	274a>	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	0	
	2004	0412	2a	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
	2004	0412<	509a>	*Anatahan (Mariana Is-C Pacific)*	0804-20=	2	
?	2004	0415?	176a?	*Raung (Java)*	0603-34=	2?	
	2004	05 ?	283m?	**Ibu** (Halmahera-Indonesia)	0608-03=	0?	
	2004	0502	167a	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	7/-
	2004	0508	21c	**Nyamuragira** (Africa-C)	0203-02=	2?	
	2004	0509	....	*Shiveluch (Kamchatka)*	1000-27=	3	8/-
	2004	0526	<1	**Popocatépetl** (Mexico)	1401-09=	2	
	2004	0602<	75m?	*Awu (Sangihe Is-Indonesia)*	0607-04=	0	
	2004	0603	101a?	**Mayon** (Luzon-Philippines)	0703-03=	1	
	2004	0604	....	**Nyiragongo** (Africa-C)	0203-03=	2	
?	2004	0606	2a	*Ioto [Iwo-jima] (Volcano Is-Japan)*	0804-12=	1	
	2004	0608	16c	**Tengger Caldera [Bromo]** (Java)	0603-31=	2	
	2004	0610	....	**Awu** (Sangihe Is-Indonesia)	0607-04=	2	
	2004	0619	....	**Bezymianny** (Kamchatka)	1000-25=	3	
	2004	0622?	124a?	*Kerinci (Sumatra)*	0601-17=	1	
	2004	0624	<1?	**Marion Island** (Indian O.-S)	0304-07-	1	
	2004	0703	75a?	*Egon (Lesser Sunda Is)*	0604-16=	1	
	2004	0704<	?	**Korovin** (Aleutian Is)	1101-161	1?	
?	2004	0704	<1	*Masaya (Nicaragua)*	1404-10=	1?	
	2004	0716	206a?	*Galeras (Colombia)*	1501-08=	1	
	2004	0717c	....	**Veniaminof** (Alaska Peninsula)	1102-07-	2	
	2004	0719?	>3yr	**Pacaya** (Guatemala)	1402-11=	1	
	2004	0720	<1	**Chirinkotan** (Kuril Is)	0900-26=	2	
	2004	0725	....	**Egon** (Lesser Sunda Is)	0604-16=	2	
	2004	0728	....	*Galeras (Colombia)*	1501-08=	2	
	2004	0729	<1	**Nightingale Island** (Atlantic-S)	1806-011	0	
	2004	0805	<1?	**Marapi** (Sumatra)	0601-14=	2	
	2004	0805?	>3yr	**Villarrica** (Chile-C)	1507-12=	1	
	2004	0811	....	**Galeras** (Colombia)	1501-08=	3	
	2004	09	15m	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	

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	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	2004	0901	99*a*	**Asama** (Honshu-Japan)	0803-11=	2	6/5
	2004	*0907*	*174a*	*Etna (Italy)*	0101-06=	*0*	*7/-*
	2004	0915	<1	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
	2004	0927	....	**Kerinci** (Sumatra)	0601-17=	2	
	2004	10	?	**Tofua** (Tonga-SW Pacific)	0403-06=	1	
	2004	1001	4*a*>	**Rinjani** (Lesser Sunda Is)	0604-03=	2	
	2004	1001	>3yr	**St. Helens** (US-Washington)	1201-05-	2	*7/-*
	2004	*1014*	....	*Santa Maria (Guatemala)*	1402-03=	*3*	***9/8***
	2004	*1018*	*74a?*	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	
	2004	1023	>3yr	**Suwanose-jima** (Ryukyu Is)	0802-03=	2	
	2004	*1024*	*>3yr*	*Manam (New Guinea-NE of)*	0501-02=	*3?*	
	2004	1101	2	**Grimsvötn** (Iceland-NE)	1703-01=	3	
	2004	1105	85*a*	**Telica** (Nicaragua)	1404-04=	1	
	2004	*1107c*	*494m*	*Reventador (Ecuador)*	1502-01=	*0*	*6/-*
?	*2004*	*1114*	*<1*	*McDonald Islands (Indian O.-S)*	0304-011	*1?*	
	2004	*1121*	....	*Galeras (Colombia)*	1501-08=	*3*	
	2004	*1123*	....	*Manam (New Guinea-NE of)*	0501-02=	*3?*	
	2004	1124?	31*a?*	**Langila** (New Britain-SW Pac)	0502-01=	2?	
	2004	1130	9	**Miyake-jima** (Izu Is-Japan)	0804-04=	1	
	2004	1202	....	**Reventador** (Ecuador)	1502-01=	2	6/-
	2004	1203	4*a?*	**San Cristóbal** (Nicaragua)	1404-02=	1	
	2004	1212	....	**Soputan** (Sulawesi-Indonesia)	0606-03=	3?	
	2004	*1219*	....	*Manam (New Guinea-NE of)*	0501-02=	*3?*	
	2004	*1230*	....	*Karymsky (Kamchatka)*	1000-13=	*3*	
	2005	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	2005	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	2005	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	2005	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	
	2005	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	2005	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*1*	
	2005	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	2005	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
	2005	*Cont*	....	*Ibu (Halmahera-Indonesia)*	0608-03=	*0?*	
	2005	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	2005	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
	2005	*Cont*	....	*NW Rota-1 (Manana Is-C Pacific)*	0804-211	*0*	
	2005	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	
	2005	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	*8/-*
	2005	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*1*	*7/-*
	2005	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	***9/-***
	2005	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
	2005	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	2005	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	2005	*Cont*	....	*Telica (Nicaragua)*	1404-04=	*1*	
	2005	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	2005	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
	2005	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	2005	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	2005	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	2005	*Cont*	....	*Montagu Island (Antarctica)*	1900-081	*1?*	
?	*2005*	....	?	*Kolokol Group (Kuril Is)*	0900-12=	*1?*	
	2005	*0104*	*41c*	*Veniaminof (Alaska Peninsula)*	1102-07-	*1*	
	2005	0108	....	**Etna** (Italy)	0101-06=	1	7/-
	2005	0108	....	**Veniaminof** (Alaska Peninsula)	1102-07-	2	
	2005	0109	>3yr	**Popocatépetl** (Mexico)	1401-09=	2	
	2005	*0111*	....	*Bezymianny (Kamchatka)*	1000-25=	*3*	
	2005	0120<	78*a*>	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
	2005	*0125*	*387a*	*Rabaul (New Britain-SW Pac)*	0502-14=	*1*	
	2005	*0125*	*120a*	*Kanlaon (Philippines-C)*	0702-02=	*1*	
	2005	0127	....	**Manam** (New Guinea-NE of)	0501-02=	4?	
	2005	*0129*	*18a*	*Ebeko (Kuril Is)*	0900-38=	*1*	
	2005	0130	....	**Rabaul** (New Britain-SW Pac)	0502-14=	2	
	2005	0130	60*a?*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
	2005	0206	21*a*	**Egon** (Lesser Sunda Is)	0604-16=	1	
	2005	0207	....	**Ebeko** (Kuril Is)	0900-38=	2	
	2005	*0212*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
	2005	0217	8*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	7/-
	2005	0223	74*d*	**Korovin** (Aleutian Is)	1101-161	1	
S	**2005**	0302	482*a*	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
	2005	0304?	26*a?*	**Masaya** (Nicaragua)	1404-10=	1	
?	*2005*	*0308*	*<1*	*Smith Rock (Izu Is-Japan)*	0804-08=	*0*	
	2005	0312	26*a*	**Chikurachki** (Kuril Is)	0900-36=	1	
	2005	*0313?*	*259a?*	*Cleveland (Aleutian Is)*	1101-24-	*1?*	
	2005	*0327?*	*136a?*	*Ulawun (New Britain-SW Pac)*	0502-12=	*1*	
	2005	0405	....	**Anatahan** (Mariana Is-C Pacific)	0804-20=	3?	
	2005	0412?	127*a?*	**Talang** (Sumatra)	0601-16=	2	
	2005	0412	36*a*	**Miyake-jima** (Izu Is-Japan)	0804-04=	1	
	2005	0414	124*m*	**Aso** (Kyushu-Japan)	0802-11=	1	
	2005	0415	....	**Kanlaon** (Philippines-C)	0702-02=	2	
	2005	*0415*	*>3yr*	*Soufrière Hills (W Indies)*	1600-05=	*2*	
	2005	0416	2*a*	**Karthala** (Indian O.-W)	0303-01=	2?	
	2005	0419?	347*a?*	**Langila** (New Britain-SW Pac)	0502-01=	2	
	2005	0419	80*a?*	**Soputan** (Sulawesi-Indonesia)	0606-03=	2	
	2005	*0424*	....	*Colima (Mexico)*	1401-04=	*3*	*7/6*
	2005	0427	....	**Cleveland** (Aleutian Is)	1101-24-	2	
	2005	0504	<1	**Láscar** (Chile-N)	1505-10=	3?	
	2005	0513	16*a?*	**Fernandina** (Galápagos)	1503-01=	2	

	START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
	2005	0526	942*a?*	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
	2005	0530	....	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
	2005	*0611*	....	*Anatahan (Mariana Is-C Pacific)*	0804-20=	*3?*	
	2005	*0616*	*107a?*	*Santa Ana (El Salvador)*	1403-02=	*1*	
	2005	*0619*	....	*Anatahan (Mariana Is-C Pacific)*	0804-20=	*3?*	
	2005	0621	....	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
?	*2005*	*07*	*31m*	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
	2005	0702	19*a?*	**Fukutoku-Okanoba** (Volcano Is-Japan	0804-13=	1	
	2005	*0703*	....	*Anatahan (Mariana Is-C Pacific)*	0804-20=	*3?*	
	2005	*0706*	....	*Anatahan (Mariana Is-C Pacific)*	0804-20=	*3?*	
	2005	0712<	?	**McDonald Islands** (Indian O.-S)	0304-011	0	
?	*2005*	*0723?*	*23a?*	*Raung (Java)*	0603-34=	*2?*	
	2005	0728	105*a*	**Concepción** (Nicaragua)	1404-12=	*2*	
	2005	08 ?	153*r?*	**Unnamed [East Pacific Rise]**	1304-05-	0	
	2005	0817<	?	**Mayon** (Luzon-Philippines)	0703-03=	0	
	2005	0907	58*a?*	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
?	*2005*	*0911*	*521m>*	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	2005	*0912*	....	*Reventador (Ecuador)*	1502-01=	*2*	*6/-*
	2005	0926	3*a*	**Dabbahu** (Ethiopia)	0201-113	3?	
	2005	1001	....	**Santa Ana** (El Salvador)	1403-02=	3	
	2005	1002?	110*a?*	**Michael** (Antarctica)	1900-09=	0	
	2005	1004	106*a*	**Fournaise, Piton de la** (Indian O.)	0303-02=	0	7/-
	2005	*1007*	....	*Cleveland (Aleutian Is)*	1101-24-	*2*	
	2005	1016	32*a*>	**Garbuna Group** (New Britain-SW Pac)	0502-07=	2	
	2005	1022	8	**Negra, Sierra** (Galápagos)	1503-05=	3	8/-
	2005	1027?	278*a?*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
	2005	*1113*	*193a*	*San Cristóbal (Nicaragua)*	1404-02=	*1*	
	2005	1124	14*a*	**Karthala** (Indian O.-W)	0303-01=	3	
	2005	1124	196*a*	**Galeras** (Colombia)	1501-08=	2	
	2005	1127	79*m*	**Aoba** (Vanuatu-SW Pacific)	0507-03=	2	
	2005	*1129?*	*2a>*	*Bezymianny (Kamchatka)*	1000-25=	*0*	
	2005	1130	....	**Bezymianny** (Kamchatka)	1000-25=	2	
	2005	*1209?*	*139a?*	*Augustine (Alaska-SW)*	1103-01-	*1*	
	2005	1216	6*a*	**Etna** (Italy)	0101-06=	1	
	2005	1226	29*a?*	**Soputan** (Sulawesi-Indonesia)	0606-03=	1	
	2006	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
	2006	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
	2006	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	*5/-*
	2006	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	
	2006	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
	2006	*Cont*	....	*Lopevi (Vanuatu-SW Pacific)*	0507-05=	*2*	
	2006	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
	2006	*Cont*	....	*Barren Island (Andaman Is-Indian O)*	0600-01=	*2*	
	2006	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
	2006	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
	2006	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
	2006	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
?	*2006*	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan*	0804-13=	*0*	
	2006	*Cont*	....	*NW Rota-1 (Manana Is-C Pacific)*	0804-211	*0*	
	2006	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	
	2006	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	*8/-*
	2006	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*1*	*7/-*
	2006	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	***9/-***
	2006	*Cont*	....	*Unnamed [East Pacific Rise]*	1304-05-	*0*	
	2006	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*7/6*
	2006	*Cont*	....	*Popocatépetl (Mexico)*	1401-09=	*2*	
	2006	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	***9/8***
	2006	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
	2006	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
	2006	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
	2006	*Cont*	....	*Galeras (Colombia)*	1501-08=	*2*	
	2006	*Cont*	....	*Reventador (Ecuador)*	1502-01=	*0*	*6/-*
	2006	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
	2006	*Cont*	....	*Villarrica (Chile-C)*	1507-12=	*1*	
	2006	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
	2006	*Cont*	....	*Montagu Island (Antarctica)*	1900-081	*1?*	
	2006	0111	....	**Augustine** (Alaska-SW)	1103-01-	3	
	2006	02	< 638*p*>	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	2	
	2006	0206	264*a*	**Cleveland** (Aleutian Is)	1101-24-	3	
	2006	0217	<1	**Miyake-jima** (Izu Is-Japan)	0804-04=	1	
	2006	0221	2*a*	**Mayon** (Luzon-Philippines)	0703-03=	1	
	2006	*0227*	....	*Manam (New Guinea-NE of)*	0501-02=	*3?*	
	2006	03	526*m?*	**Merapi** (Java)	0603-25=	1	6/-
	2006	*0301*	*323a*	*Ulawun (New Britain-SW Pac)*	0502-12=	*1*	
	2006	0303	188*a*	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
	2006	0311	722*a*	**Heard** (Indian O.-S)	0304-01=	0	
	2006	0317	<1	**Raoul Island** (Kermadec Is)	0402-03=	1?	
	2006	*0320?*	*100a?*	*Anatahan (Manana Is-C Pacific)*	0804-20=	*1*	
	2006	0321	99*a*	**Bulusan** (Luzon-Philippines)	0703-01=	2	
	2006	0321	<1	**Akan** (Hokkaido-Japan)	0805-07=	1	
	2006	0324	<1?	**Poás** (Costa Rica)	1405-04=	1	
	2006	0325?	>3yr	**Ubinas** (Perú)	1504-02=	2	
	2006	*04*	*< 258m?*	*Bezymianny (Kamchatka)*	1000-25=	*0*	
?	*2006*	*04*	?	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
	2006	0418	456*a?*	**Láscar** (Chile-N)	1505-10=	3	
	2006	05	31*p*	**Tofua** (Tonga-SW Pacific)	0403-06=	0	
	2006	0509	....	**Bezymianny** (Kamchatka)	1000-25=	3	

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
2007	*0319*	*422m?*	*Etna (Italy)*	0101-06=	*1*	
2007	0319	*96c?*	**Talang** (Sumatra)	0601-16=	2	
2007	0324	....	**Reventador** (Ecuador)	1502-01=	2	
2007	0402?	*4a>*	**Kavachi** (Solomon Is-SW Pacific)	0505-06=	1	
2007	0417	....	**Huila, Nevado del** (Colombia)	1501-05=	3?	
2007	0421	*23a?*	**Lopevi** (Vanuatu-SW Pacific)	0507-05=	2	
2007	0422	....	**Kliuchevskoi** (Kamchatka)	1000-26=	2	
2007	0429	....	**Etna** (Italy)	0101-06=	2	
2007	0501	<1	**Ulawun** (New Britain-SW Pac)	0502-12=	2	
2007	0501	....	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	2	
2007	*0510?*	*228a?*	*Bezymianny (Kamchatka)*	1000-25=	*1?*	
2007	*0512*	....	*Bezymianny (Kamchatka)*	1000-25=	*2*	
2007	0519	*2a?*	**Ritter Island** (New Guinea-NE of)	0501-07=	1?	
2007	0526	*74a?*	**Llaima** (Chile-C)	1507-11=	2	
2007	*0527*	....	*Kliuchevskoi (Kamchatka)*	1000-26=	*2*	
2007	*06*	*>3yr*	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
2007	*06 ?*	*147m?*	*Soputan (Sulawesi-Indonesia)*	0606-03=	*1*	
? 2007	*0612*	*<1*	*Telica (Nicaragua)*	1404-04=	*1*	
2007	*0617?*	*452a?*	*Cleveland (Aleutian Is)*	1101-24-	*1*	
2007	*0708*	*8a?*	*Gamkonora (Halmahera-Indonesia)*	0608-04=	*1*	
2007	0710	....	**Gamkonora** (Halmahera-Indonesia)	0608-04=	2	
2007	*0713*	....	*Bulusan (Luzon-Philippines)*	0703-01=	*2?*	
2007	0720	....	**Cleveland** (Aleutian Is)	1101-24-	2?	
2007	0726	*31a*	**Raung** (Java)	0603-34=	2	
2007	0812	*36a?*	**Manda Hararo** (Ethiopia)	0201-115	2	
2007	0815	*29a*	**Pavlof** (Alaska Peninsula)	1102-03-	2	
2007	0819	*74g*	**Chikurachki** (Kuril Is)	0900-36=	2	
? 2007	*0823*	*?*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1?*	
2007	0828	<1	**Pago** (New Britain-SW Pac)	0502-08=	1?	
2007	*0904*	....	*Etna (Italy)*	0101-06=	*2*	
2007	0904	....	**Lengai, Ol Doinyo** (Africa-E)	0202-12=	3	
2007	0909	<1	**Kerinci** (Sumatra)	0601-17=	1	
2007	0925	<1	**Ruapehu** (New Zealand)	0401-10=	1?	
2007	0930	*258m?*	**Tair, Jebel at** (Red Sea)	0201-01=	3?	
2007	*10 ?*	*182p?*	*Kelut (Java)*	0603-28=	*0*	*7/-*
2007	*1004*	*105a*	*Galeras (Colombia)*	1501-08=	*2*	
2007	1023	*342a?*	**Krakatau** (Indonesia)	0602-00=	2	
2007	1025	....	**Soputan** (Sulawesi-Indonesia)	0606-03=	3	
2007	1028c	*123c*	**Telica** (Nicaragua)	1404-04=	1?	
2007	1111	....	**Kelut** (Java)	0603-28=	2	*7/-*
2007	*1123*	....	*Etna (Italy)*	0101-06=	*2*	
2007	1124	*26a*	**Concepción** (Nicaragua)	1404-12=	2?	
2007	1127	*19m?*	**Talang** (Sumatra)	0601-16=	2	
2007	*1127c*	*287c?*	*Anatahan (Mariana Is-C Pacific)*	0804-20=	*1?*	
2007	1224	....	**Bezymianny** (Kamchatka)	1000-25=	3?	
? 2007	*1225*	*?*	*Ulawun (New Britain-SW Pac)*	0502-12=	*1?*	
2008	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
2008	*Cont*	....	*Tair, Jebel at (Red Sea)*	0201-01=	*1*	
2008	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
2008	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
2008	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	
2008	*Cont*	....	*Heard (Indian O.-S)*	0304-01=	*0*	
2008	*Cont*	....	*Manam (New Guinea-NE of)*	0501-02=	*2*	
2008	*Cont*	....	*Langila (New Britain-SW Pac)*	0502-01=	*2*	
2008	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*1*	
2008	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
2008	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
2008	*Cont*	....	*Krakatau (Indonesia)*	0602-00=	*2*	
2008	*Cont*	....	*Kelut (Java)*	0603-28=	*0*	*7/-*
2008	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
2008	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
2008	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
2008	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
? 2008	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
2008	*Cont*	....	*NW Rota-1 (Mariana Is-C Pacific)*	0804-211	*0*	
2008	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	
2008	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	*8/-*
2008	*Cont*	....	*Cleveland (Aleutian Is)*	1101-24-	*1*	
2008	*Cont*	....	*St. Helens (US-Washington)*	1201-05-	*1*	*7/-*
2008	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
2008	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*7/6*
2008	*Cont*	....	*Popocatèpetl (Mexico)*	1401-09=	*2*	
2008	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
2008	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
2008	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
2008	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
2008	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
2008	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
2008	*Cont*	....	*Ubinas (Perú)*	1504-02=	*2*	
2008	*Cont*	....	*Erebus (Antarctica)*	1900-02=	*1*	
2008 a	....	?	**Rumble III** (New Zealand)	0401-13-	0	
2008	0101	*565d*	**Llaima** (Chile-C)	1507-11=	3	
2008	0102	*103m?*	**Huila, Nevado del** (Colombia)	1501-05=	2?	
2008	0107	<1	**Miyake-jima** (Izu Is-Japan)	0804-04=	1	
2008	0113	<1	**Poás** (Costa Rica)	1405-04=	1	
2008	0117	....	**Galeras** (Colombia)	1501-08=	3?	
? 2008	*0201*	*<1*	*Guagua Pichincha (Ecuador)*	1502-02=	*1?*	

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
2008	0203	....	**Anatahan** (Mariana Is-C Pacific)	0804-20=	2	
S **2008**	0208?	?	**Monowai Seamount** (Kermadec Is)	0402-05-	0	
? 2008	*0212*	*<1*	*Shishaldin (Aleutian Is)*	1101-36-	*1?*	
2008	0217	<1	**Aso** (Kyushu-Japan)	0802-11=	1	
2008	0222	*5a?*	**Veniaminof** (Alaska Peninsula)	1102-07-	1	
? 2008	*0224*	*<1?*	*Lopevi (Vanuatu-SW Pacific)*	0507-05=	*2*	
? 2008	*0307*	*259a*	*Tofua (Tonga-SW Pacific)*	0403-06=	*1?*	
2008	0311	*2a*	**Garbuna Group** (New Britain-SW Pac)	0502-07=	1	
? 2008	*0312*	*?*	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*1?*	
2008	0324	?	**Kerinci** (Sumatra)	0601-17=	1	
2008	0405	*824w>*	**Ibu** (Halmahera-Indonesia)	0608-03=	1	
2008	0415	*13a?*	**Egon** (Lesser Sunda Is)	0604-16=	2	
2008	0502	*781w>*	**Chaitén** (Chile-S)	1508-041	4	-/8
2008	0508	<1	**Miyake-jima** (Izu Is-Japan)	0804-04=	1	
? 2008	*0510*	*?*	*Gamalama (Halmahera-Indonesia)*	0608-06=	*1*	
2008	0513	*417a*	**Etna** (Italy)	0101-06=	1	
2008	0513	*779w>*	**Barren Island** (Andaman Is-Indian O)	0600-01=	2	
? 2008	*0519*	*?*	*Merapi (Java)*	0603-25=		
2008	0523	*770w>*	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	1	
2008	0529	*19a*	**Azul, Cerro** (Galápagos)	1503-06=	1?	
2008	0606	*149a?*	**Soputan** (Sulawesi-Indonesia)	0606-03=	3?	
2008	0612	*5a?*	**Raung** (Java)	0603-34=	2	
2008	0618	*182a?*	**Masaya** (Nicaragua)	1404-10=	1	
2008	0622	*19a*	**San Cristóbal** (Nicaragua)	1404-02=	1	
2008	0705d	*5d*	**Telica** (Nicaragua)	1404-04=	1	
2008	*0711*	*43a?*	*Bezymianny (Kamchatka)*	1000-25=	*0*	
2008	0712	*38a*	**Okmok** (Aleutian Is)	1101-29-	4?	
2008	0713	*83a*	**Garbuna Group** (New Britain-SW Pac)	0502-07=	2	
2008	0727	*705w>*	**Reventador** (Ecuador)	1502-01=	2	
2008	*0728*	....	*Soufrière Hills (W Indies)*	1600-05=	*3?*	
2008	0729	*10a?*	**Chikurachki** (Kuril Is)	0900-36=	2	
2008	0730	<1	**Concepción** (Nicaragua)	1404-12=	1	
? 2008	*08*	*?*	*Bárdarbunga (Iceland-NE)*	1703-03=	*0*	
2008	0807	*2a?*	**Kasatochi** (Aleutian Is)	1101-13-	4	
2008	0810	<1	**Mayon** (Luzon-Philippines)	0703-03=	1	
2008	0810	4	**Asama** (Honshu-Japan)	0803-11=	1	
2008	0819	....	**Bezymianny** (Kamchatka)	1000-25=	3?	
2008	0822	<1	**Kirishima** (Kyushu-Japan)	0802-09=	1	
2008	0919?	*651w>*	**Tinakula** (Santa Cruz Is-SW Pacific)	0506-01=	1?	
2008	0921	*136a*	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	1	6/-
2008	1008	*190a?*	**Kliuchevskoi** (Kamchatka)	1000-26=	1	
2008	*1021?*	*619w>*	*Galeras (Colombia)*	1501-08=	*1?*	
2008	*1026?*	*614w>*	*Huila, Nevado del (Colombia)*	1501-05=	*2*	*6/-*
2008	1026	?	**Villarrica** (Chile-C)	1507-12=	1	
2008	11 ?	*15m?*	**Tafu-Maka** (Tonga-SW Pacific)	0403-12-	0	
2008	*11*	*< 182m>*	*West Mata (Tonga-SW Pacific)*	0403-13-	*0*	
2008	1103	*42m?*	**Dalaffilla** (Ethiopia)	0201-07=	3?	
2008	1118	*10a*	**Akan** (Hokkaido-Japan)	0805-07=	1	
2008	1120	....	**Huila, Nevado del** (Colombia)	1501-05=	3?	6/-
2008	1121	<1	**San Cristóbal** (Nicaragua)	1404-02=	1	
2008	1129?	*580w>*	**Karangetang [Api Siau]** (Sangihe Is	0607-02=	2	
2008	*1223?*	*247a?*	*Koryaksky (Kamchatka)*	1000-09=	*1*	
2009	*Cont*	....	*Stromboli (Italy)*	0101-04=	*1*	*7/-*
2009	*Cont*	....	*Etna (Italy)*	0101-06=	*1*	
2009	*Cont*	....	*Erta Ale (Ethiopia)*	0201-08=	*0*	
2009	*Cont*	....	*Lengai, Ol Doinyo (Africa-E)*	0202-12=	*1*	
2009	*Cont*	....	*Nyiragongo (Africa-C)*	0203-03=	*1*	
2009	*Cont*	....	*West Mata (Tonga-SW Pacific)*	0403-13-	*0*	
2009	*Cont*	....	*Rabaul (New Britain-SW Pac)*	0502-14=	*1*	
2009	*Cont*	....	*Bagana (Bougainville-SW Pacific)*	0505-02=	*2*	
2009	*Cont*	....	*Tinakula (Santa Cruz Is-SW Pacific)*	0506-01=	*1?*	
2009	*Cont*	....	*Ambrym (Vanuatu-SW Pacific)*	0507-04=	*1*	
2009	*Cont*	....	*Yasur (Vanuatu-SW Pacific)*	0507-10=	*2*	
2009	*Cont*	....	*Barren Island (Andaman Is-Indian O)*	0600-01=	*2*	
2009	*Cont*	....	*Semeru (Java)*	0603-30=	*2*	
2009	*Cont*	....	*Tara, Batu (Lesser Sunda Is)*	0604-26=	*2*	
2009	*Cont*	....	*Karangetang [Api Siau] (Sangihe Is*	0607-02=	*2*	
2009	*Cont*	....	*Dukono (Halmahera-Indonesia)*	0608-01=	*2*	
2009	*Cont*	....	*Ibu (Halmahera-Indonesia)*	0608-03=	*1*	
2009	*Cont*	....	*Suwanose-jima (Ryukyu Is)*	0802-03=	*2*	
2009	*Cont*	....	*Sakura-jima (Kyushu-Japan)*	0802-08=	*2*	
? 2009	*Cont*	....	*Fukutoku-Okanoba (Volcano Is-Japan.*	0804-13=	*0*	
2009	*Cont*	....	*NW Rota-1 (Mariana Is-C Pacific)*	0804-211	*0*	
2009	*Cont*	....	*Karymsky (Kamchatka)*	1000-13=	*2*	
2009	*Cont*	....	*Shiveluch (Kamchatka)*	1000-27=	*1*	*8/-*
2009	*Cont*	....	*Kilauea (Hawaiian Is)*	1302-01-	*0*	*9/-*
2009	*Cont*	....	*Colima (Mexico)*	1401-04=	*1*	*7/6*
2009	*Cont*	....	*Popocatèpetl (Mexico)*	1401-09=	*2*	
2009	*Cont*	....	*Santa Maria (Guatemala)*	1402-03=	*1*	*9/8*
2009	*Cont*	....	*Fuego (Guatemala)*	1402-09=	*2*	
2009	*Cont*	....	*Pacaya (Guatemala)*	1402-11=	*1*	
2009	*Cont*	....	*Arenal (Costa Rica)*	1405-033	*1*	*8/7*
2009	*Cont*	....	*Huila, Nevado del (Colombia)*	1501-05=	*1*	*6/-*
2009	*Cont*	....	*Reventador (Ecuador)*	1502-01=	*2*	
2009	*Cont*	....	*Tungurahua (Ecuador)*	1502-08=	*2*	
2009	*Cont*	....	*Sangay (Ecuador)*	1502-09=	*2*	
2009	*Cont*	....	*Ubinas (Perú)*	1504-02=	*2*	

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Large-Volume Holocene Eruptions

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Large-Volume Holocene Eruptions: Context

There is substantial interest in the larger-volume eruptions that have affected our planet, and this section highlights those eruptions, both explosive and effusive, in separate tables. The **Explosive Eruptions** table includes all Holocene explosive eruptions with a **VEI** of 4 or larger (≥0.1 km^3 of tephra). Data are shown in the same format as in the **CHRONOLOGY** tables, except that only dates of eruptive events of VEI 4 or larger are displayed. whenever they may occur during the course of an eruption. The start date of an eruption is displayed only when there is only one VEI assignment for the full eruption. The associated data for the eruption duration and the lava volume, however, are for the full eruption, giving context for the eruption as a whole, while noting the magnitude (VEI and tephra volume) of the sometimes more specifically dated explosive event. Thus the **VEI** 7 eruption of Tambora volcano, the largest in historical time, appears only under its April 10, 1815 date, but the **Duration** column indicates that the eruption lasted for more than three years. As with the **DIRECTORY** and **CHRONOLOGY** tables, explosive eruptions without tephra volumes that are described as "plinian" or caldera-forming are shown with a "P" or "C," respectively, in the **VEI** column.

The ensuing **Effusive Eruptions** table includes all eruptions producing ≥0.1 km^3 (or 10^8 m^3) of lava. In contrast to the **Explosive Eruptions** table, all data in the **Effusive Eruptions** table, including the eruption duration, VEI, and lava and tephra volumes, provide context for the eruption as a whole and are listed under the start date of the eruption. This means that the lava volume, even for long-duration eruptions, is applied to the first year of the eruption. The compound Santiaguito lava dome at Santa María volcano in Guatemala, for example, still in eruption after almost 90 years, has now produced more than 1 km^3 of lava, but its lava volume of 9 (10^9 m^3) appears only with its 1922 start date.

As with the **CHRONOLOGY** listing discussed above, it must be emphasized that these "Large Eruption" tables include dates with large dating uncertainties and incorporate both corrected and uncorrected radiocarbon dates (discussed in more detail later under **Dating Technique**). Consequently events do not always appear in strict chronological sequence. It must also be noted that these tables are clearly substantially incomplete, as deposits of many Holocene eruptions have not been studied in sufficient detail to determine their volumes.

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Explosive Eruptions

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-9650?	....	?	**Tongariro** (New Zealand)	0401-08=	5	-/9
G-9500y	....	?	**Khangar** (Kamchatka)	1000-272	P	-/-
G-9460x	....	?	**Taupo** (New Zealand)	0401-07=	5	-/9
G-9450?	....	?	**Tongariro** (New Zealand)	0401-08=	5	-/9
T-9350?	....	?	**Tongariro** (New Zealand)	0401-08=	5	8/9
G-9240u	....	?	**Taupo** (New Zealand)	0401-07=	5	-/9
T-9210?	....	?	**Taupo** (New Zealand)	0401-07=	4	7/8
G-9160*	....	?	**Kuju** (Kyushu-Japan)	0802-12=	4	8/8
G-8910x	....	?	**Askja** (Iceland-NE)	1703-06=	5	-/9
G-8750?	....	?	**Ulreung** (Korea)	1006-03-	6	-/10
G-8480v	....	?	**Campi Flegrei** (Italy)	0101-01=	4	-/-
T-8350?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-8300y	....	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	4	-/8
G-8250?	....	?	**Ngozi** (Africa-E)	0202-164	C	-/-
G-8250?	....	?	**Towada** (Honshu-Japan)	0803-271	5	-/9
G-8230t	....	?	**Grimsvötn** (Iceland-NE)	1703-01=	6	-/10
G-8210x	....	?	**Pelée** (W Indies)	1600-12=	4?	-/8
T-8200?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-8130x	....	?	**Taupo** (New Zealand)	0401-07=	5	-/9
T-8100?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-8050?	....	?	**Kizimen** (Kamchatka)	1000-23=	5	-/9
T-8050?	....	?	**Vestmannaeyjar** (Iceland-S)	1702-01=	4	-/8
T-8020*	....	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	4	-/8
T-7950?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-7900?	....	?	**Ksudach** (Kamchatka)	1000-05=	5	-/9
G-7850x	....	?	**Akita-Komaga-take** (Honshu-Japan)	0803-23=	4	-/8
C-7840<	....	?	**Ruapehu** (New Zealand)	0401-10=	4	-/8
C-7800y	....	?	**Tolima, Nevado del** (Colombia)	1501-03=	P	-/-
C-7750?	....	?	**Tungurahua** (Ecuador)	1502-08=	4	-/8
T-7700?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C-7650v	....	?	**Shasta** (US-California)	1203-01-	4	-/8
T-7630?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-7600?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-7600z	....	?	**Roundtop** (Aleutian Is)	1101-38-	5?	-/-
G-7550o	....	?	**Okataina** (New Zealand)	0401-05=	5	9/9
R-7550*	....	?	**Paka** (Africa-E)	0202-053	C	-/-
T-7550z	....	?	**Elovsky** (Kamchatka)	1000-59-	4	9/8
T-7500?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
C-7480t	....	?	**Lvinaya Past** (Kuril Is)	0900-041	6+	-/10
G-7460w	....	?	**Pinatubo** (Luzon-Philippines)	0703-083	6?	-/-
C-7450t	....	?	**Ushishur** (Kuril Is)	0900-21=	C	-/-
G-7450z	....	?	**Burney, Monte** (Chile-S)	1508-07=	5	-/9
C-7420x	....	?	**Fisher** (Aleutian Is)	1101-35-	6?	-/10
C-7420u	....	?	**Chaitén** (Chile-S)	1508-041	C	-/-
G-7400w	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-7370y	....	?	**Chichinautzin** (Mexico)	1401-08=	4	-/8
T-7300?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
R-7300*	....	?	**Seguam** (Aleutian Is)	1101-18-	5?	-/8
G-7250?	....	?	**Towada** (Honshu-Japan)	0803-271	5?	-/9
I-7150?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-7150?	....	?	**Popocatépetl** (Mexico)	1401-09=	P	-/-
C-7140w	....	?	**Karkar** (New Guinea-NE of)	0501-03=	C	-/-
C-7050?	....	?	**Akan** (Hokkaido-Japan)	0805-07=	4	-/8
T-7050*	....	?	**Zheltovsky** (Kamchatka)	1000-04=	5	-/9
C-7030t	....	?	**Orizaba, Pico de** (Mexico)	1401-10=	4	-/8
C-6950?	....	?	**Shikotsu** (Hokkaido-Japan)	0805-04=	5	-/9
G-6940v	....	?	**Vesuvius** (Italy)	0101-02=	5	-/9
C-6910<	....	?	**Atacazo** (Ecuador)	1502-021	P	-/-
C-6880u	....	?	**Llaima** (Chile-C)	1507-11=	5	-/9
T-6800?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5?	-/9
C-6710w	....	?	**Orizaba, Pico de** (Mexico)	1401-10=	5?	-/9
C-6690?	....	?	**Villarrica** (Chile-C)	1507-12=	P	-/-
C-6650v	....	?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
C-6650?	....	?	**Soche** (Ecuador)	1502-001	5?	-/-
G-6610w	....	?	**Pelée** (W Indies)	1600-12=	4?	-/8
G-6600?	....	?	**Karymsky** (Kamchatka)	1000-13=	6	-/10
T-6600?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-6450z	....	?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	-/8
G-6440q	....	?	**Kurile Lake** (Kamchatka)	1000-023	7	-/11
C-6400t	....	?	**Kizimen** (Kamchatka)	1000-23=	5	-/9
G-6400w	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-6380?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-6350?	....	?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
C-6310z	....	?	**Okmok** (Aleutian Is)	1101-29-	P	-/-
G-6250?	....	?	**Towada** (Honshu-Japan)	0803-271	4	-/8
G-6220x	....	?	**Pelée** (W Indies)	1600-12=	P	-/-
C-6200*	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	6	-/10
C-6140x	....	?	**Quill, The** (W Indies)	1600-02=	P	-/-
C-6100t	....	?	**Makushin** (Aleutian Is)	1101-31-	5	-/9
G-6060t	....	?	**Okataina** (New Zealand)	0401-05=	5	10/9
C-6050?	....	?	**Menengai** (Africa-E)	0202-06=	6+	-/10
N-6050*	....	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	-/-
C-6050?	....	?	**Sakura-jima** (Kyushu-Japan)	0802-08=	5	-/-
T-6050*	....	?	**Barva** (Costa Rica)	1405-05=	P	-/-
C-6000t	....	?	**Krasheninnikov** (Kamchatka)	1000-19=	4	9/8
G-5980v	....	?	**Avachinsky** (Kamchatka)	1000-10=	5+	-/9
C-5950z	....	?	**Romeral** (Colombia)	1501-011	P	-/-
G-5900t	....	?	**Crater Lake** (US-Oregon)	1202-16-	6	8/10
C-5850?	....	?	**Meru** (Africa-E)	0202-16=	P	-/-
C-5820u	....	?	**Cotopaxi** (Ecuador)	1502-05=	5+	-/9
C-5800t	....	?	**Krasheninnikov** (Kamchatka)	1000-19=	4	7/8
T-5700t	....	?	**Ilyinsky** (Kamchatka)	1000-03=	C	-/-
G-5700n	....	?	**Khangar** (Kamchatka)	1000-272	6	-/10
I-5677w	1015q	?	**Crater Lake** (US-Oregon)	1202-16-	7	8/11
G-5550v	....	?	**Mashu** (Hokkaido-Japan)	0805-081	6	-/-
C-5550u	....	?	**Tao-Rusyr Caldera** (Kuril Is)	0900-31=	6	-/10
T-5500?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-5500x	....	?	**Pelée** (W Indies)	1600-12=	P	-/-
T-5400?	....	?	**Ichinsky** (Kamchatka)	1000-28=	5	9/9
T-5250*	....	?	**Aniakchak** (Alaska Peninsula)	1102-09-	6?	-/10
G-5200?	....	?	**Ksudach** (Kamchatka)	1000-05=	5?	-/9
N-5150*	....	?	**Tavui** (New Britain-SW Pac)	0502-15-	5	-/9
C-5150?	....	?	**Popocatépetl** (Mexico)	1401-09=	P	-/-
G-5150?	....	?	**Hekla** (Iceland-S)	1702-07=	5	-/9
G-5080w	....	?	**Puyehue-Cordón Caulle** (Chile-C)	1507-15=	5	-/9
G-5060x	....	?	**Mayor Island** (New Zealand)	0401-021	5	-/9
G-5060w	....	?	**Arenal** (Costa Rica)	1405-033	4?	-/-
C-5050?	....	?	**Iliamna** (Alaska-SW)	1103-02-	P	-/-

-5000 (6950 BP)

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-4900?	....	?	**Ksudach** (Kamchatka)	1000-05=	5+	-/9
G-4750y	....	?	**Myoko** (Honshu-Japan)	0803-10=	5?	-/9
C-4750?	....	?	**Hudson, Cerro** (Chile-S)	1508-057	6	-/10
G-4700?	....	?	**Taupo** (New Zealand)	0401-07=	4	-/8
T-4650?	....	?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	5	-/9
G-4600t	....	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	5	-/9
G-4570?	....	?	**Takahara** (Honshu-Japan)	0803-143	4?	8/7
G-4550x	....	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
G-4460v	....	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-4450?	....	?	**Kizimen** (Kamchatka)	1000-23=	4	-/8
G-4400?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-4360x	....	?	**Macauley Island** (Kermadec Is)	0402-021	6?	-/10
C-4350?	....	?	**Kikai** (Ryukyu Is)	0802-06=	7	-/11
C-4350?	....	?	**Kirishima** (Kyushu-Japan)	0802-09=	4	-/8
G-4350?	....	?	**Komaga-take** (Hokkaido-Japan)	0805-02=	P	-/-
C-4350u	....	?	**Cotopaxi** (Ecuador)	1502-05=	5	-/9
G-4340u	....	?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
C-4280w	....	?	**Bravo, Cerro** (Colombia)	1501-012	4	-/9
C-4160r	....	?	**Apoyeque** (Nicaragua)	1404-091	5	-/9
T-4150*	....	?	**Meidob Volc Field** (Africa-N)	0205-05-	P	-/-
G-4150?	....	?	**Towada** (Honshu-Japan)	0803-271	5+	-/9
G-4100?	....	?	**Taupo** (New Zealand)	0401-07=	4	-/8
T-4050?	....	?	**Masaya** (Nicaragua)	1404-10=	6	-/10
G-4000x	....	?	**Pago** (New Britain-SW Pac)	0502-08=	6?	-/10
T-3900?	....	?	**Arenal** (Costa Rica)	1405-033	4	-/8
C-3880u	....	?	**Cotopaxi** (Ecuador)	1502-05=	5+	-/9
C-3850?	....	?	**Kaguyak** (Alaska Peninsula)	1102-25-	5	-/9
C-3820?	....	?	**Pelée** (W Indies)	1600-12=	P	-/-
G-3790v	....	?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
G-3780z	....	?	**Kuju** (Kyushu-Japan)	0802-12=	4	8/8
G-3650?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T-3650*	....	?	**Makushin** (Aleutian Is)	1101-31-	P	-/-
G-3580t	....	?	**Okataina** (New Zealand)	0401-05=	5	9/9
C-3580x	....	?	**Taal** (Luzon-Philippines)	0703-07=	6	-/10
G-3550?	....	?	**Pinatubo** (Luzon-Philippines)	0703-083	6	-/10
G-3550s	....	?	**Mashu** (Hokkaido-Japan)	0805-081	4	-/8
G-3500?	....	?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T-3500x	....	?	**Pelée** (W Indies)	1600-12=	P	-/-
C-3490v	....	?	**Atacazo** (Ecuador)	1502-021	P	-/-

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START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
G-3430u		?	**Pelée** (W Indies)	1600-12=	4?	-/8
G-3400?		?	**Numazawa** (Honshu-Japan)	0803-151	5	-/9
T-3350?		?	**Arenal** (Costa Rica)	1405-033	4	-/8
T-3280z		?	**Cotopaxi** (Ecuador)	1502-05=	5	8/9
G-3200w		?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
G-3200?		?	**Karymsky** (Kamchatka)	1000-13=	4	8/8
T-3200?		?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
G-3170x		?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-3170u		?	**Fisher** (Aleutian Is)	1101-35-	5	-/9
G-3070?		?	**Taupo** (New Zealand)	0401-07=	4	-/8
T-3050?		?	**Meidob Volc Field** (Africa-N)	0205-05-	P	-/-
C-3050?		?	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	-/-
C-3050?		?	**Zheltovsky** (Kamchatka)	1000-04=	5	-/9
T-3050?		?	**Sete Cidades** (Azores)	1802-08=	4	-/8
C-3010x		?	**Popocatépetl** (México)	1401-09=	P	-/-
T-3000?		?	**Meidob Volc Field** (Africa-N)	0205-05-	P	-/-
T-3000?		?	**Ksudach** (Kamchatka)	1000-05=	4	-/8
C-2990?		?	**Agua de Pau** (Azores)	1802-09=	5	-/9
G-2900?		?	**Taupo** (New Zealand)	0401-07=	4	-/8
C-2900?		?	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	-/-
T-2900z		?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4	7/8
C-2850?		?	**Ilyinsky** (Kamchatka)	1000-03=	5	-/9
T-2800?		?	**Arenal** (Costa Rica)	1405-033	4	-/8
G-2780q		?	**Kikhpinych** (Kamchatka)	1000-18=	4	8/8
G-2750v		?	**Myoko** (Honshu-Japan)	0803-10=	4	-/8
G-2700?		?	**Fournaise, Piton de la** (Indian O.-W)	0303-02=	5?	-/9
C-2690u		?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=	5	-/9
G-2660x		?	**Pelée** (W Indies)	1600-12=	4?	-/8
C-2650?		?	**Kirishima** (Kyushu-Japan)	0802-09=	4	-/-
C-2650?		?	**Tolmachev Dol** (Kamchatka)	1000-082	4+	-/8
C-2640x		?	**Cotopaxi** (Ecuador)	1502-05=	5	-/9
G-2620y		?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-2600?		?	**Taupo** (New Zealand)	0401-07=	4	-/8
A-2550z		?	**Asama** (Honshu-Japan)	0803-11=	4	-/-
T-2550*		?	**Apoyeque** (Nicaragua)	1404-091	5	-/9
C-2550w		?	**Doña Juana** (Colombia)	1501-07=	C	-/-
G-2530y		?	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
T-2500?		?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
C-2490s		?	**Atacazo** (Ecuador)	1502-021	5	-/9
T-2450z		?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	4	-/8
G-2440y		?	**Kuju** (Kyushu-Japan)	0802-12=	4	7/8
C-2430?		?	**Pelée** (W Indies)	1600-12=	P	-/-
G-2420s		?	**Vesuvius** (Italy)	0101-02=	5	-/9
G-2400?		?	**Rungwe** (Africa-E)	0202-166	P	-/-
C-2370w		?	**Colima** (México)	1401-04=	4?	-/8
G-2340?		?	**St. Helens** (US-Washington)	1201-05-	5	-/9
G-2320v		?	**Burney, Monte** (Chile-S)	1508-07=	5	-/9
G-2310p		?	**Hekla** (Iceland-S)	1702-07=	5	-/9
C-2300u		?	**Orizaba, Pico de** (México)	1401-10=	4	-/8
C-2250w		?	**Galunggung** (Java)	0603-14=	5?	-/-
G-2250?		?	**Karymsky** (Kamchatka)	1000-13=	4	7/9
T-2250?		?	**Arenal** (Costa Rica)	1405-033	4	-/8
T-2200?		?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
C-2160v		?	**Changbaishan** (China-E)	1005-06	P	-/-
C-2150z		?	**Campi Flegrei** (Italy)	0101-01=	5	-/9
G-2100v		?	**Izu-Tobu** (Honshu-Japan)	0803-01=	4	8/8
G-2100?		?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
T-2050?		?	**Hachijo-jima** (Izu Is-Japan)	0804-05=	5	-/9
G-2050s		?	**Mashu** (Hokkaido-Japan)	0805-081	4	-/8
C-2050?		?	**Iliamna** (Alaska-SW)	1103-02-	P	-/-
T-2050?		?	**Cotopaxi** (Ecuador)	1502-05=	5	7/9
C-2040v		?	**Long Island** (New Guinea-NE of)	0501-05=	6	-/10
G-2030v		?	**Chichón, El** (México)	1401-12=	5	-/9
T-2010?		?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=	4	-/8
C-2010w		?	**Liamuiga** (W Indies)	1600-03=	P	-/-
T-2000w		?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
G-2000?		?	**Marra, Jebel** (Africa-N)	0205-03-	C	-/-
C-2000v		?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
G-2000?		?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
G-1990x		?	**Tolima, Nevado del** (Colombia)	1501-03=	5?	-/9
C-1920s		?	**Parker** (Mindanao-Philippines)	0701-011	P	-/-
T-1920?		?	**Sanbe** (Honshu-Japan)	0803-002	4	9/8
G-1920?		?	**Katla** (Iceland-S)	1702-03=	4	-/8
T-1900w		?	**Black Peak** (Alaska Peninsula)	1102-08-	6	-/10
C-1890?		?	**Dana** (Alaska Peninsula)	1102-05-	5	-/9
G-1890?		?	**Hudson, Cerro** (Chile-S)	1508-057	6	-/10
C-1870t		?	**Campi Flegrei** (Italy)	0101-01=	4	-/9
G-1860?		?	**St. Helens** (US-Washington)	1201-05-	6	-/10
G-1820w		?	**Rincón de la Vieja** (Costa Rica)	1405-02=	4	-/8
C-1810x		?	**Villarrica** (Chile-C)	1507-12=	5	-/9

START YEAR	M-Dy	Dura-tion	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
T-1780?		?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=	4	-/8
T-1770v		?	**St. Helens** (US-Washington)	1201-05-	5	-/9
G-1750?		?	**Okataina** (New Zealand)	0401-05=	4+	8/8
C-1750?		?	**Veniaminof** (Alaska Peninsula)	1102-07-	6	-/10
C-1700v		?	**Taranaki [Egmont]** (New Zealand)	0401-03=	5	-/9
G-1700t		?	**Aso** (Kyushu-Japan)	0802-11=	P	-/-
T-1700?		?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
T-1650?		?	**Campi Flegrei** (Italy)	0101-01=	4	-/8
T-1650?		?	**Arenal** (Costa Rica)	1405-033	4	-/8
I-1645j		?	**Aniakchak** (Alaska Peninsula)	1102-09-	6?	-/10
G-1610m		?	**Santorini** (Greece)	0102-04=	7?	-/10
G-1550u		?	**Vesuvius** (Italy)	0101-02=	4	-/8
T-1550?		?	**Hayes** (Alaska-SW)	1103-05-	5	-/-
T-1550?		?	**Hekla** (Iceland-S)	1702-07=	4	-/8
-1500t		?	**Etna** (Italy)	0101-06=	5?	-/-
T-1500?		?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=	4	-/8
G-1500?		?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
G-1460s		?	**Taupo** (New Zealand)	0401-07=	6	-/10
T-1450?		?	**Arenal** (Costa Rica)	1405-033	4	-/8
G-1440s		?	**Katla** (Iceland-S)	1702-03=	4	-/8
G-1430y		?	**Vesuvius** (Italy)	0101-02=	4	-/8
G-1370v		?	**Pago** (New Britain-SW Pac)	0502-08=	6	-/10
T-1350?		?	**Fuji** (Honshu-Japan)	0803-03=	5	-/9
C-1350?		?	**Avachinsky** (Kamchatka)	1000-10=	5	-/9
C-1320?		?	**Yucamane** (Perú)	1504-05-	5	-/9
C-1310w		?	**Bravo, Cerro** (Colombia)	1501-012	4	-/9
C-1290?		?	**Agua de Pau** (Azores)	1802-09=	4	-/8
G-1250x		?	**Arenal** (Costa Rica)	1405-033	4	-/8
G-1250w		?	**Aguilera** (Chile-S)	1508-062	5	-/9
C-1200w		?	**Raoul Island** (Kermadec Is)	0402-03=	4	-/8
C-1180u		?	**Merapi** (Java)	0603-25=	P	-/-
G-1150t		?	**Izu-Tobu** (Honshu-Japan)	0803-01=	4+	8/8
C-1150w		?	**Cuicocha** (Ecuador)	1502-003	5	-/9
C-1120w		?	**Kusatsu-Shirane** (Honshu-Japan)	0803-12=	4	8/8
G-1100t		?	**Hekla** (Iceland-S)	1702-07=	5+	-/9
G-1050?		?	**Taupo** (New Zealand)	0401-07=	4	-/8
G-1050z		?	**Pinatubo** (Luzon-Philippines)	0703-083	6	-/10
T-1050<		?	**Khodutka** (Kamchatka)	1000-053	4+	-/8
T-1050*		?	**Apoyeque** (Nicaragua)	1404-091	4	-/8
T-1050x		?	**Bravo, Cerro** (Colombia)	1501-012	4	-/8
T-1050?		?	**Cotopaxi** (Ecuador)	1502-05=	4	9/8
T-1030?		?	**Fuji** (Honshu-Japan)	0803-03=	4+	-/8
G-1010x		?	**Taupo** (New Zealand)	0401-07=	4+	-/8
C-1010v		?	**Tungurahua** (Ecuador)	1502-08=	5	-/9
G-0990*		?	**Kuju** (Kyushu-Japan)	0802-12=	4	-/8
G-0960w		?	**Antillanca Group** (Chile-C)	1507-153	5	-/9
G-0950?		?	**Aso** (Kyushu-Japan)	0802-11=	P	-/-
T-0950x		?	**Miyake-jima** (Izu Is-Japan)	0804-04=	4+	-/8
G-0950?		?	**Shiveluch** (Kamchatka)	1000-27=	5	-/9
C-0930>		?	**Fuji** (Honshu-Japan)	0803-03=	5	-/9
G-0930v		?	**Khodutka** (Kamchatka)	1000-053	5	7/9
C-0930?		?	**Azufral** (Colombia)	1501-09=	P	-/-
C-0920u		?	**Sollipulli** (Chile-C)	1507-111	5+	-/9
G-0880t		?	**Vesuvius** (Italy)	0101-02=	4	-/8
C-0850?		?	**Zavaritsky** (Kamchatka)	1000-124	4+	7/8
T-0850?		?	**Ruiz, Nevado del** (Colombia)	1501-02=	4	-/8
G-0850t		?	**Katla** (Iceland-S)	1702-03=	4	-/8
C-0830t		?	**Tengger Caldera** (Java)	0603-31=	P	-/-
T-0800z		?	**Yantarni** (Alaska Peninsula)	1102-10-	5	8/9
C-0800t		?	**Momotombo** (Nicaragua)	1404-09=	4+	-/8
G-0780y		?	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
C-0770t		?	**Concepción** (Nicaragua)	1404-12=	P	-/-
G-0750?		?	**Towada** (Honshu-Japan)	0803-271	4+	-/8
C-0730u		?	**Bravo, Cerro** (Colombia)	1501-012	4+	-/8
C-0690w		?	**Pululagua** (Ecuador)	1502-011	5	-/9
T-0650?		?	**Ibusuki Volc Field** (Kyushu-Japan)	0802-07=	4	-/8
T-0650?		?	**Krafla** (Iceland-NE)	1703-08=	4	-/8
C-0600x		?	**Aoga-shima** (Izu Is-Japan)	0804-06=	4	8/8
G-0590x		?	**Pelée** (W Indies)	1600-12=	4?	-/8
C-0550x		?	**Tongariro** (New Zealand)	0401-08=	5	-/9
C-0550?		?	**Shikotsu** (Hokkaido-Japan)	0805-04=	5	-/9
G-0530?		?	**St. Helens** (US-Washington)	1201-05-	5	-/9
G-0500?		?	**Shiveluch** (Kamchatka)	1000-27=	4	-/8
G-0450?		?	**Bezymianny** (Kamchatka)	1000-25=	4	-/8
C-0450w		?	**Pululagua** (Ecuador)	1502-011	C	-/-
C-0440?		?	**Pelée** (W Indies)	1600-12=	P	-/-
G-0410x		?	**Meager** (Canada)	1200-18-	5?	-/-
T-0400?		?	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
G-0380x		?	**Arenal** (Costa Rica)	1405-033	4	-/8
G-0350?		?	**Yake-dake** (Honshu-Japan)	0803-07=	4	8/8

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START YEAR	M-Dy	Duration	VOLCANO NAME (Subregion)	NUMBER	VEI	Vol L/T
1877	....	?	**Suwanose-jima** (Ryukyu Is)	0802-03=	4?	-/-
1877	0626	230m	**Cotopaxi** (Ecuador)	1502-05=	4	7/8
1880	0628	53a	**Fuego** (Guatemala)	1402-09=	4?	-/8
1883	0827	154a?	**Krakatau** (Indonesia)	0602-00=	**6**	**-/10**
1883	1006	269w?	**Augustine** (Alaska-SW)	1103-01-	4	8/8
1886	0111	902y?	**Tungurahua** (Ecuador)	1502-08=	4	-/-
1886	0610	65m	**Okataina** (New Zealand)	0401-05=	**5**	**-/9**
1886	0831	18a?	**Niuafo'ou** (Tonga-SW Pacific)	0403-11=	4?	-/8
1888	0715	<1	**Bandai** (Honshu-Japan)	0803-16=	4	-/8
1889	1002	11a	**Suwanose-jima** (Ryukyu Is)	0802-03=	4	-/-
1890	0216	191a	**Colima** (Mexico)	1401-04=	4	-/-
1893	0110	374a>	**Calbuco** (Chile-S)	1508-02=	4	-/-
1897	0625	61a>	**Mayon** (Luzon-Philippines)	0703-03=	4?	-/-
1899	1113	>3yr	**Doña Juana** (Colombia)	1501-07=	4	-/-
1902	0502	>3yr	**Pelée** (W Indies)	1600-12=	4	8/8
1902	0506	298a	**Soufrière St. Vincent** (W Indies)	1600-15=	4?	-/8
1902	0508	>3yr	**Pelée** (W Indies)	1600-12=	4	8/8
1902	1024	19a	**Santa Maria** (Guatemala)	1402-03=	**6?**	**-/10**
1903	0528	393m	**Grímsvötn** (Iceland-NE)	1703-01=	4	8/-
1905	....	435a>	**Lolobau** (New Britain-SW Pac)	0502-13=	P	-/-
1906	0408	>3yr	**Vesuvius** (Italy)	0101-02=	4?	8/8
1907	0328?	?	**Ksudach** (Kamchatka)	1000-05=	**5**	**-/9**
1911	....	365y	**Lolobau** (New Britain-SW Pac)	0502-13=	4	8/8
1912	0606	131m?	**Novarupta** (Alaska Peninsula)	1102-18-	**6**	**7/10**
1913	0120	7a	**Colima** (Mexico)	1401-04=	**5**	**-/9**
1914	0112	488m	**Sakura-jima** (Kyushu-Japan)	0802-08=	4	**9**/8
1917	0409	?	**Agrigan** (Mariana Is-C Pacific)	0804-16=	4	-/-
1918	0405	>3yr	**Tungurahua** (Ecuador)	1502-08=	4	-/-
1918	1012	23a	**Katla** (Iceland-S)	1702-03=	4+	-/8
1919	0519	1a	**Kelut** (Java)	0603-28=	4	-/8
1919	0811	?	**Manam** (New Guinea-NE of)	0501-02=	4	-/-
1924	0215	?	**Raikoke** (Kuril Is)	0900-25=	4	-/-
1924	1031	?	**Iriomote-jima** (Ryukyu Is)	0802-01=	4?	**-/9**
1926	0405	352a?	**Avachinsky** (Kamchatka)	1000-10=	4	6/8
1929	0617	81a	**Komaga-take** (Hokkaido-Japan)	0805-02=	4	-/8
1931	0325	2a	**Kliuchevskoi** (Kamchatka)	1000-26=	4	-/-
1931	0501	43a>	**Aniakchak** (Alaska Peninsula)	1102-09-	4	-/8
1931	0511	43a>	**Aniakchak** (Alaska Peninsula)	1102-09-	4?	-/8
1932	0121	1a	**Fuego** (Guatemala)	1402-09=	4	-/8
1932	0410	>3yr	**Azul, Cerro** (Chile-C)	1507-06=	**5+**	**-/9**
1933	0108	96a>	**Kharimkotan** (Kuril Is)	0900-30=	**5**	8/**9**
1933	0710	26a	**Suoh** (Sumatra)	0601-27=	4	-/8
1933	1224	20a	**Kuchinoerabu-jima** (Ryukyu Is)	0802-05=	4?	-/-
1937	0529	4a	**Rabaul** (New Britain-SW Pac)	0502-14=	4?	-/8
1943	0220	>3yr	**Michoacán-Guanajuato** (México)	1401-06=	4	8/**9**
1945	0225	<1	**Avachinsky** (Kamchatka)	1000-10=	4	-/8
1946	1109	2a	**Sarychev Peak** (Kuril Is)	0900-24=	4	-/-
1947	0329	388a	**Hekla** (Iceland-S)	1702-07=	4	8/8
1951	....	354e	**Ambrym** (Vanuatu-SW Pacific)	0507-04=	4+	-/8
1951	0121	>3yr	**Lamington** (New Guinea)	0503-01=	4	8/-
1951	0831	<1	**Kelut** (Java)	0603-28=	4	-/8
1952	0229	229m	**Bagana** (Bougainville-SW Pacific)	0505-02=	4	-/-
1953	0709	7a	**Spurr** (Alaska-SW)	1103-04-	4	-/-
1955	0727	108a	**Carrán-Los Venados** (Chile-C)	1507-14=	4	-/8
1956	0330	496a	**Bezymianny** (Kamchatka)	1000-25=	**5**	**-/9**
1963	0317	344a	**Agung** (Lesser Sunda Is)	0604-02=	**5**	8/**9**
1963	0516	344a	**Agung** (Lesser Sunda Is)	0604-02=	4	8/**9**
1964	1112	<1	**Shiveluch** (Kamchatka)	1000-27=	4+	-/8
1965	0928	2	**Taal** (Luzon-Philippines)	0703-07=	4	-/-
1966	0426	<1	**Kelut** (Java)	0603-28=	4	-/-
1966	0812	64m	**Awu** (Sangihe Is-Indonesia)	0607-04=	4	-/-
1968	0611	23a<	**Fernandina** (Galápagos)	1503-01=	4	-/8
1973	0714	14a	**Tiatia** (Kuril Is)	0900-03=	4	-/8
1974	1017	55a	**Fuego** (Guatemala)	1402-09=	4	-/8
1975	0706	530a	**Tolbachik** (Kamchatka)	1000-24=	4+	**9**/8
1976	0122?	477a?	**Augustine** (Alaska-SW)	1103-01-	4	7/8
1980	0518	>3yr	**St. Helens** (US-Washington)	1201-05-	**5**	**7/9**
1981	0430	39a	**Alaid** (Kuril Is)	0900-39=	4	-/8
1981	0515	>3yr	**Pagan** (Mariana Is-C Pacific)	0804-17=	4	7/8
1982	0328	167a	**Chichón, El** (Mexico)	1401-12=	4+	-/8
1982	0403	167a	**Chichón, El** (Mexico)	1401-12=	**5**	**-/9**
1982	0517	278a	**Galunggung** (Java)	0603-14=	4	-/8
1983	0723	150m	**Colo [Una Una]** (Sulawesi-Indonesia)	0606-01=	4	-/-
1986	0327	157a	**Augustine** (Alaska-SW)	1103-01-	4?	-/8
1986	1120	19a	**Chikurachki** (Kuril Is)	0900-36=	4	7/8
1990	0130	>3yr	**Kliuchevskoi** (Kamchatka)	1000-26=	4	7/8
1990	0210	32q	**Kelut** (Java)	0603-28=	4	-/8
1991	0615	153a	**Pinatubo** (Luzon-Philippines)	0703-083	**6**	**-/10**
1991	0812	80	**Hudson, Cerro** (Chile-S)	1508-057	**5+**	**-/9**
1992	0627	81	**Spurr** (Alaska-SW)	1103-04-	4	-/8
1993	0419	197m	**Láscar** (Chile-N)	1505-10=	4	6/8
1994	0919	208	**Rabaul** (New Britain-SW Pac)	0502-14=	4?	-/-
2000	0929	34	**Ulawun** (New Britain-SW Pac)	0502-12=	4	-/-
2001	0522	>3yr	**Shiveluch** (Kamchatka)	1000-27=	4?	8/-
2002	0925	4a?	**Ruang** (Sangihe Is-Indonesia)	0607-01=	4?	-/-
2002	1103	68a?	**Reventador** (Ecuador)	1502-01=	4	7/8
2005	0127	>3yr	**Manam** (New Guinea-NE of)	0501-02=	4?	-/-
2006	1007	>3yr	**Rabaul** (New Britain-SW Pac)	0502-14=	4?	-/-
2008	0502	781w>	**Chaitén** (Chile-S)	1508-041	4	-/8
2008	0712	38a	**Okmok** (Aleutian Is)	1101-29-	4?	-/-
2008	0807	2a?	**Kasatochi** (Aleutian Is)	1101-13-	4	-/-
2009	0611	10e	**Sarychev Peak** (Kuril Is)	0900-24=	4	-/8

Effusive Eruptions

T-9500?	....	?	**Theistareykjarbunga** (Iceland-NE)	1703-09=	0	**10**/-
T-9350?	....	?	**Tongariro** (New Zealand)	0401-08=	**5**	8/**9**
G-9160*	....	?	**Kuju** (Kyushu-Japan)	0802-12=	4	8/8
T-9000?	....	?	**Brennisteinsfjöll** (Iceland-SW)	1701-04=	0	**9**/-
T-8600?	....	?	**Hveravellir** (Iceland-SW)	1701-08=	0	**9**/-
C-8540>	....	?	**Fuji** (Honshu-Japan)	0803-03=		**9**/-
T-8500?	....	?	**Krísuvík** (Iceland-SW)	1701-03=	0	**9**/-
T-8500?	....	?	**Krafla** (Iceland-NE)	1703-08=	0	**9**/-
G-8350?	....	?	**Hengill** (Iceland-SW)	1701-05=	0	**9**/-
G-8250?	....	?	**Hengill** (Iceland-SW)	1701-05=	0	**10**/-
T-8200?	....	?	**Hengill** (Iceland-SW)	1701-05=	0	**9**/-
C-8060z	....	?	**Garibaldi** (Canada)	1200-20-	3?	**9**/7
T-8000?	....	?	**Reykjanes** (Iceland-SW)	1701-02=	0	**9**/-
C-7930z	....	?	**Chichinautzin** (Mexico)	1401-08=	3	**9**/7
G-7850?	....	?	**Baker** (US-Washington)	1201-01=		8/-
T-7850?	....	?	**Krafla** (Iceland-NE)	1703-08=		**9**/-
G-7560o	....	?	**Okataina** (New Zealand)	0401-05=	**5**	**9**/**9**
T-7550z	....	?	**Bakening** (Kamchatka)	1000-123	2?	**9**/-
T-7550z	....	?	**Elovsky** (Kamchatka)	1000-59-	4	**9**/8
T-7550?	....	?	**Hengill** (Iceland-SW)	1701-05=	0	8/-
C-7550z	....	?	**Prestahnukur** (Iceland-SW)	1701-07=	0	**10**/-
T-7300?	....	?	**Hengill** (Iceland-SW)	1701-05=		**9**/-
G-7260y	....	?	**Turrialba** (Costa Rica)	1405-07=		**9**/-
G-7250w	....	?	**Norikura** (Honshu-Japan)	0803-06=	3	8/7
T-7180*	....	?	**Kuju** (Kyushu-Japan)	0802-12=		8/-
T-7100?	....	?	**Hengill** (Iceland-SW)	1701-05=	0	**9**/-
T-7100?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		**9**/-
T-7050*	....	?	**Ljósufjöll** (Iceland-W)	1700-03=	2	**9**/-
C-6950?	....	?	**Prestahnukur** (Iceland-SW)	1701-07=	0	**9**/-
G-6650I	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		**10**/-
T-6500?	....	?	**Krafla** (Iceland-NE)	1703-08=		**9**/-
C-6250v	....	?	**Indian Heaven** (US-Washington)	1201-07-		8/-
G-6060I	....	?	**Okataina** (New Zealand)	0401-05=	**5**	**10**/**9**
T-6050?	....	?	**Olkaria** (Africa-E)	0202-09=		**9**/-
C-6000I	....	?	**Krasheninnikov** (Kamchatka)	1000-19=	4	**9**/8
T-6000?	....	?	**Krísuvík** (Iceland-SW)	1701-03=	0	**9**/-
G-5900I	....	?	**Crater Lake** (US-Oregon)	1202-16-	**6**	8/**10**
C-5890w	....	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	**9**/-
T-5850?	....	?	**Hveravellir** (Iceland-SW)	1701-08=	2?	**10**/-
C-5840z	....	?	**Chichinautzin** (Mexico)	1401-08=		8/-
T-5800I	....	?	**Kizimen** (Kamchatka)	1000-23=		8/-
T-5750?	....	?	**Tenerife** (Canary Is)	1803-03-		8/-
I-5677w	1015q	?	**Crater Lake** (US-Oregon)	1202-16-	**7**	8/**11**
T-5550?	....	?	**Crater Lake** (US-Oregon)	1202-16-	0	**9**/-
T-5550?	....	?	**Katla** (Iceland-S)	1702-03=		**9**/-
C-5470w	....	?	**Craters of the Moon** (US-Idaho)	1204-02-	0	**9**/-
T-5400?	....	?	**Ichinsky** (Kamchatka)	1000-28=	**5**	**9**/**9**
C-5290w	....	?	**Krísuvík** (Iceland-SW)	1701-03=	2	8/-
G-5070w	....	?	**Newberry** (US-Oregon)	1202-11-	3	8/7
T-5050*	....	?	**Torfajökull** (Iceland-S)	1702-05=		8/-
T-5000?	....	?	**Hengill** (Iceland-SW)	1701-05=		**9**/-
T-5000?	....	?	**Bárdarbunga** (Iceland-NE)	1703-03=		**10**/-
T-5000*	....	?	**Kverkfjöll** (Iceland-NE)	1703-05=		**9**/-

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Fatalities and Evacuations

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Fatalities and Evacuations: Context and Codes

The **agent** code is a single **bolded** letter to simplify the coded information and make it easy to find all fatalities caused by each agent. We have not attempted a more detailed breakdown because the data often do not permit it, but we have included more detailed information in the **remarks** where possible. It should be easy to find all fatal eruptions with pyroclastic flows (sensu lato), for example, but readers interested in pyroclastic surge deaths as distinct from directed blasts deaths must find them in the remarks. The code is at genus rather than species level. Descriptions of the various agents causing eruptive fatalities have already been described (p. 20-22). The following table identifies the code:

A = **A**valanche (debris and landslides)
E = **E**lectrical (lighting)
F = **F**loods (and Jökulhlaups)
G = **G**as (emission from eruptive craters as well as fumarolic/solfataric activity)
I = **I**ndirect deaths (disease, starvation, exposure, desolation)
L = **L**ava flows
M = **M**udflows/Lahars
m = Secondary (post-eruption) **m**udflows
P = **P**yroclastic flows, surges, & directed blasts
S = **S**eismic, or volcanic earthquake (tectonic earthquake deaths excluded)
T = **T**ephra (ash, bombs, lapilli, steam blasts). Killing either by ballistic impact, or, with finer-grained ash, by suffocation, collapse of ash-covered roofs, etc.
W = **W**aves, or Tsunami

Agents have a subscripted number indicating what percentage of the total deaths were by that cause. Those with uncertain percentages are followed by a question mark. A double question mark is used when the percentages are crudely estimated from the nature of the reported eruption alone. An agent code without a percentage indicates that the agent, but not percent, of fatalities is known. An agent code followed by a question mark denotes uncertainty about the agent.

Accurate **death** tolls are often difficult to obtain, even today, and the historical record often fails to provide numbers. Many accounts use words like "many," "several," or "thousands," and we have not attempted to quantify the usage of the original account. In the Evacuation table that follows, a dash in the "Evacuees" column indicates an eruption with fatalities but no evacuations. A question mark in this column indicates an eruption with an unknown number of evacuees.

Non-volcanic earthquake fatalities are not listed in the **deaths** column, but may be mentioned in the **remarks**. These have often been confused with volcanic fatalities, particularly on a notorious volcano like Etna, but unless we have a firm "x" in the fatality column of the main DIRECTORY (p. 37-161), we have resisted entering a number in the **deaths** column here.

Eruption-related injuries span a huge spectrum of severity, and their historical data are even less reliable than those for fatalities. We have not included entries that describe injuries without evidence of clear fatalities.

The **start date** of each eruption is included in curly brackets at the end of each eruption's remarks, using an equal sign {=} if it is the same as the date of known fatalities. This both facilitates cross-reference to other parts of the book and alerts the reader to the rather different hazard conditions that surround an eruption's first day and its second or third year.

The following abbreviations have been used. See REFERENCES for citations.

BVE = Bulletin of Volcanic Eruptions (Volcanological Society of Japan)
CAVW = Catalog of Active Volcanoes of the World (IAVCEI)
IAVCEI = International Association of Volcanology and Chemistry of Earth's Interior
JMA = Japan Meteorological Agency
VL = Volcano Letter (Hawaii Research Association, 1925-55)
CSLP/SEAN/GVN = Smithsonian publications of: Center for Short-Lived Phenomena (1968-75); Scientific Event Alert Network (1975-89); Global Volcanism Network (1990-present)

The prime instigator of, and contributor to, early versions of this table was Russell Blong, formerly of Macquarie University in Australia. His interest in the impact of volcanic eruptions led to the incorporation of fatality information in our database from a wide variety of sources. We particularly acknowledge the compilations of Tanguy et al. (1998) and Witham (2005).

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Fatalities

EUROPE (01)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Campi Flegrei			(0101-01=)	
1538 1006	24	$T_{100?}$	Phreatic explosion at 2200 on Monte Nuovo eruption's 8th day. Many people climbing the cone lost their footing in the dark, sliding to their deaths on loose stones.	{1538 0929}
1970 0302	3	S_{100}	Volcanogenic earthquake: 3 killed by falling masonry and rocks in the collapse of houses.	{No eruption}
Vesuvius			(0101-02=)	
~2420 BC	?	P T	Avellino eruption.	{=}
0079 0825	>2,100?	$P_{70?}$ $T_{30?}$	Luongo et al. (2003) indicate about 1150 identified victims in Pompeii and a total of about 1600, including estimates for unexcavated areas. Within the city 62% were killed by pyroclastic surges and 38% mainly by roof and wall collapse from plinian pumice-fall. Another 236 victims were identified outside the city walls. About 300 persons were killed by pyroclastic surges in shoreline boathouses at Herculaneum as well as an unknown number of others within the mostly evacuated city.	{0079 0824}
0787 1015q	?	?	Possible damage and fatalities.	{=}
1631 1216	>4,000	$P_{95?}$ $E_?$ $M_?$	Most of >4,000 fatalities caused by pyroclastic surges. Earlier accounts ascribe deaths to lava flows, mudflows and tephra falls, but lava flows are uncertain. One estimate of the total death toll reached 18,000. Hamilton reported men and beasts struck dead by lightning. 30 cm tephra in Naples.	{1631 1215}
1682 0812?	4	?	One fatality in Torre Annunziata, 3 in Castellammare during Aug 12-22 eruption.	{1682 0812}
1737 05	2	$T_{100?}$	Serious damage from tephra fall near end of 5-year eruption.	{1732 1225}
1779 0808	Few	?		{1770 0215}
1794	400	$M_?$ $L_?$ $T_?$ $G_?$	60 fatalities at Torre del Greco, with 80% of the town destroyed by lava flows. Several people died from CO_2. Sapper reported 26 killed, possibly by lava flows. Hoffer described 15 deaths by lava flows and explosions when the lava reached the bay. Scandone et al. reported a total of 400 fatalities, and complete destruction (by mudflows and ashfall?) of S. Guiseppe, Ottaviano, and Somma.	{1783 0818}
1805	4	?		{1796 01}
1872	>9	$L_{80?}$ $G_{20?}$	Young people in Valle del Inferno failed to notice retreat cut off by lava which trapped them between precipice of Monte Somma and active flow. Nazzaro reported 9 killed and 11 injured, plus some fatalities from CO_2.	{1870 12}
1873 Spring	9	G_{78} T_{22}	Date probably mistaken for 1872 (Vesuvius not in eruption in 1873) but Fisher reported that 2 tourists fell while fleeing a slight eruption at the summit and were covered with lava; 7 others died of suffocation.	{1870 12}
1905 0310	1	T_{100}	One guide killed on rim and another injured by explosion.	{1875 1218}
1906 0406	350?	$T_{99?}$ L_1	Nazarro suggests a total of 216 fatalities. Delme-Radcliffe indicates ~300 killed and 300 injured: 105 killed and 90 injured in fall of church roof in San Giuseppe, ~90 killed in collapse of house roofs thereabouts, ~90 killed in Ottaviano, ~20 killed in San Gennaro, and about 50 others elsewhere including 14 killed in the collapse of the Monte Oliveto Market in Naples. Lacroix indicates 3 deaths in a lava flow. Witham lists 218-700 fatalities.	{1875 1218}
1944 03	27	$T_{88?}$ $L_{8?}$ $I_{1?}$	Roof collapses under tephra loads caused 12 deaths at Nocera and 9 at Pagani. Trees falling under tephra load or falling fragments at Terzigno killed 3. Two small boys were killed at San Sebastiano when lava exploded upon reaching a water tank. One elderly man killed himself, in sorrow at the desolation of San Sabastiano.	{1913 0705}
Ischia			(0101-03=)	
1302	?	?	People and animals reportedly killed. Many persons fled to neighboring islands and the mainland.	{1302 0118}
Stromboli			(0101-04=)	
1919 0522	4	T_{100}	Blocks of 30-60 tons fell on houses in S. Vicenzo (8 destroyed) & Ginostra (2 destroyed); 4 killed, several injured.	{1910 05}
1930 0911	6	P_{67} T_{18} W_{18}	Three people killed by pyroclastic flows, and a fourth died after being scalded in the sea near the point where the flows reached the coast. One person died from a tsunami and another from a falling block.	{1910 05}
1986 0724	1	T_{100}	A biologist was hit on the head by a falling block and died instantly ~15 m from W edge of crater rim.	{1934 0202}
2001 1020	1	T_{100}	Ejecta from a stronger than normal explosion impacted a tourist group at Pizzo Sopra la Fossa. One seriously injured woman fell into a coma and died two days later after being hospitalized.	{1934 0202}
Etna			(0101-06=)	
1169 02	?	S W	Violent earthquake about dawn buried many people in Catania during vigil of feast of St. Agatha, and tsunami swept away people who had gathered on shore at Messina. Earthquake (probably tectonic) occurred on 4/11/1169. Romano & Sturiale uncertain about an eruption at this time. Hyde reports 15,000 deaths during eruption in 1185 but gives no details and it is likely that this is a spurious account and/or confused with the 1169 event.	{1169 0204}
1329 0715?	Many?	I	Many persons said to have died from terror. Multitudes of animals and birds perished and the fields were burned up by hot sand and ashes.	{=}
1536 0326	1	T_{100}	A physician of Lentini approached too closely (to a newly active crater?) and was killed by a volley of red-hot stones.	{1536 0322}
1669	?	?	Coleman indicates that 20,000 perished in this eruption, but this seems unlikely. Neither Rittmann nor Romano & Sturiale mention deaths in their accounts. Detailed report by Winchilsea mentions only a few deaths as a result of murders and executions amidst widespread destruction of towns and croplands. The Coleman account is perhaps confused with a 1693 tectonic earthquake that killed 60,000-100,000 in 50 towns in Sicily and 18,000 in Catania. Rodwell reported a 1693 eruption, but Sapper and Tanguy consider the eruption doubtful, and most others ignore it.	{1669 0311}
1669 0319	2	L_{100}	A lava flow killed two persons and injured 5 on March 19 in the forest close to Mt. Cagliato.	{1669 0314}
1832	Several	$L_{100?}$	Explosion at front of lava flow moving over ice killed several people.	{1832 1031}
1843 1125	59	$L_{100?}$	Near the end of the year, while many of the inhabitants of Bronte were watching the lava's progress, the flow front was suddenly blown out by an explosion (the lava may have entered a cistern). 36 were killed on the spot and 20 survived but a few hours. Branca and Carlo list 59 fatalities and a November 25 rather than November 24 date.	{1843 1117}
1928 1108	5?	L_{100}	Three men who had returned to their homes in Mascali to rescue household goods were surrounded by lava flows and killed. On the same day in the same town an aged couple were also engulfed in their home.	{1928 1102}
1929 0802	2	T_{100}	An explosion from the NE Crater killed two persons.	{=}
1979 0912	9	T_{100}	Nine killed and 20 or 23 seriously injured by non-juvenile bombs ejected by violent phreatic explosion of Bocca Nuova vent. 150-200 tourists in area at time. A vehicle used for emergency accommodation was hit by a bomb, causing a gas cylinder to explode, destroying vehicle and burning several nearby tourists.	{1979 0705}

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
1984 1016	1	S_{100}		{1984 0720}
1985 1219<	1	S_{100}	A strong earthquake and fracturing of the ground caused one death at Piano Provenzana	{=}
1987 0417	2	T_{100}	Phreatic explosion killed 2 tourists and injured 7 out of about 30 gathered ~500 m SSE of SE crater.	{1987 0308h}
Santorini			(0102-04=)	
~1610 BC	?	?	Deaths probably occurred here, and, as a result of tsunamis, in ports and seaside villages on Crete and elsewhere. However, no direct evidence of deaths has been found.	{=}
1650	>120?	$G_{40?}$ $W_{40?}$ $T_{20?}$	Some died of opthalmias caused by sulfurous vapor; others (~50?) were suffocated by vapors on Sept 30. The crew of a ship passing too near the volcano was suffocated on Oct 2. Others (~20 laborers) were killed by a shower of black dust on Nov 4. Fytikas attributes 50 deaths to a tsunami, and does not mention other fatalities.	{1650 0927}
1866 0220	1	T_{100}	The captain of a ship loading materials at a dock on Micra Kameni island was killed by an ejected block, and others were injured.	{1826 0126}
1926	48	$S_{100?}$	Deaths more likely due to an earthquake than an eruption. CAVW lists no fatalities.	{1925 0811}
Ararat			(0103-04-)	
1840 0702	1,900	P_{100}	A pyroclastic flow at the time of a phreatic eruption and landslide on July 2. 1840 swept over the village of Akory, killing 1900 persons. Four days later, failure of a landslide-dammed lake destroyed the town of Aralik; fatalities were not explicitly mentioned.	{=}

AFRICA, MID-EAST, & INDIAN OCEAN (02 & 03)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Tair, Jebel at			(0201-01=)	
2007 0930	4	?	Bodies of 4 Yemini Coast Guard personnel were recovered offshore	{=}
Dubbi			(0201-10=)	
1861	106	$P_{100?}$	Fatalities occurred during initial explosive phase of eruption. Two villages were destroyed and large herds of cattle were killed. The agent of fatalities is not clear, but may have been pyroclastic flows.	{1861 0508}
Alayta			(0201-112)	
1907	?	?	CAVW reports fatalities from Afdera, but eruption now thought to be from Alayta.	{1907 06}
Dama Ali			(0201-141)	
1631	50	$S_{100?}$	Believed 50 deaths occurred when village of Waraba was destroyed by earthquake. Site of this eruption uncertain.	{1631 0214}
Kieyo			(0202-17=)	
1800?	?	$L_{100?}$	Oral history records an eruption about 1800 AD in which lava engulfed villages whose inhabitants were still asleep.	{=}
Nyamuragira			(0203-02=)	
1912 12	20	L_{100}	20 villagers were killed when a lava flow changed directions.	{1912 1203}
Nyiragongo			(0203-03=)	
1977 0110	100?	$L_{100?}$	Extremely fluid, fast-moving lava flows draining from lava lake killed numbers variously estimated at none to 2,000 persons. Best estimate seems to be 50 to 100. Several villages destroyed.	{=}
1990 1121	1	S_{100}		{No eruption}
2002 0117	100	L_{100}	About 100 persons, mostly children from the villages on the volcano flank, were killed by very high velocity lava flows, which entered the city of Goma; 20 persons died when hot lava flows ignited gas-station tanks on January 21.	{=}
Oku Volc Field			(0204-03-)	
1984 0815	37	G_{100}	Lake Monoun. A white cloud in the vicinity of the lake at daybreak looked like typical fog, but contained CO_2. Victims suffered vomiting, paralysis, and very rapid death.	{No eruption}
1986 0821	1,700	G_{100}	Lake Nyos. Deaths caused by release of large volume of CO_2 from lake. More than 300 survivors hospitalized.	{=}
'Uwayrid, Harrat			(0301-02=)	
0640?	?	$T_{100?}$	Bedouin describe fire & stones killing herdsmen, cattle, and sheep. Location & date uncertain.	{=}
Karthala			(0303-01=)	
1883 03	?	L_{100}	Voluminous lava flows destroyed a village and its inhabitants.	{=}
1903	17	G_{100}	In the summer of 1903 the emanation of suffocating gases was so strong that 17 people, who stayed near the solfataras at an elevation of 1,600 m, were killed.	{No eruption}
1904	1	L_{100}	A lava flow destroyed cultivated land and killed one person.	{1904 0225}
1977 0405	1?	?	One possible fatality from lava flow.	{=}
2005 1125	1	$T_{100?}$	One infant died, apparently as a result of ashfall, during the eruption.	{=}
Fournaise, Piton de la			(0303-02=)	
1972 08	3	$I_{100?}$	Three visitors died after 48 hours in cold mists on the rugged lava fields during the second phase of the eruption.	{1972 0609}

NEW ZEALAND TO FIJI (04)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
White Island			(0401-04=)	
1914 0910	11	A_{100}	Debris avalanche from SW corner of crater wall overwhelmed party of 11 sulfur workers and two buildings.	{No eruption.}
Okataina			(0401-05=)	
1886 0610	153	$T_{98?}$	Almost all died as a result of burial by tephra. 147 Maoris and 6 Europeans. Villages affected included: Te Ariki (52 killed), Moura (39), Te Wairo (14), Rotomahana (11).	{=}
1903 0830	4	T_{100}	4 killed by eruption of Waimangu geyser.	{1900 01}
1917 0401	2	T_{100}	Steam blast at Frying Pan Flat lifted roof off Waimangu accommodation 800 m away. 3 occupants scalded by searing steam blast. Wife and child of resident guide died later.	{1917 0324}
Taupo			(0401-07=)	
1846 0507	63	m_{100}	A lahar (mudflow) or debris avalanche of hydrothermally altered rocks along the Waihi fault destroyed fortified village of Te Heu Heu, a famous Maori chieftain. An earlier event may have occurred in 1836 but is unclear.	{No eruption}
1910 0320	1	m_{100}	Lahar from collapse of hydrothermally-altered rocks at the SW end of Lake Taupo.	{No eruption}
Ruapehu			(0401-10=)	
1953 1224	151	m_{100}	Summit crater lake drained when crevassing glacier caused ash barrier holding it in to collapse. The resulting mudflow swept away one of the piers of the Tangiwai bridge just before the arrival of the Wellington-Auckland express. Locomotive, tender and 5 carriages plunged into the river.	{No eruption}
Raoul Island			(0402-03=)	
2006 0317	1	T_{100}	One person making water-temperature measurements at Green Lake was killed by sudden explosion.	{=}
Niuafo'ou			(0403-11=)	
1853 0624	25?	$L_{100?}$	Lava flows from fissure cutting directly through village of Ahau killed 25 persons. Chief of Selusalema and 7 subjects were killed by lava flows. Estimates of fatalities range from 8 to 70-80.	{=}
1886	11?	?	None known to have been killed during eruption, but several missing. Several older men, including chiefs of rank, died of shock; total of dead and missing is 11.	{1886 0831}

MELANESIA (05)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
St. Andrew Strait			(0500-01=)	
~0350 AD	?	T	Eruption of the Rei tephra about 1600 years ago must have killed many people on the island. Tephra covered all villages.	{=}

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Krakatau			(0602-00=)	
1883 0826>	36,417	$W_{<95}$ $P_{>5}$ $I_{<1}$	Although all recorded deaths have commonly been attributed to the devastating tsunamis, an estimated 2,000 were killed on southern Sumatra by "hot ashes" and there is clear evidence that pyroclastic flows reached that far. All 3,150 people in the path of these flows, on islands between Krakatau and Sumatra were killed; probably most by early tsunami but surely none survived the culminating eruption at 1000 on Aug 27. Various indirect causes killed a small number elsewhere. Unknown number of injured. 165 villages completely destroyed, 132 partly destroyed.	{1883 0520}
1993 0613	1	T_{100}	One tourist killed and 5 injured by an explosion while they were climbing on the old crater rim of Anak Krakatau.	{1992 1107}
Salak			(0603-05=)	
2007 0707	6	G_{100}	Six of 50 teenagers camping on the volcano died from suspected sulfur gas inhalation and several others were hospitalized.	{No eruption}
Tangkubanparahu			(0603-09=)	
1846 0527	?	?		{=}
1923 06	3	G_{100}	End of June. 3 high school boys killed by asphyxiating gas. Carbonic acid and H_2S involved.	{No eruption}
Papandayan			(0603-10=)	
1772 0812	2,957	A_{100}	Debris avalanche from collapse of NE part of mountain completely destroyed 40 villages.	{=}
1924 1218	1	G_{100}	Gas emission, believed to be H_2S, caused suffocation of a volcanological observer. Date from Jaggar.	{1923 0311}
Guntur			(0603-13=)	
1690	?	?	Fatality details unknown.	{=}
1800 1008>	Many	$M_{100?}$	The river became charged with white, acid, sulfurous mud, that poured down the valley carrying carcasses of men and sundry animals, and covered the countryside with a thick coat of mud. The same occurred with greater violence on the 12th.	{1800}
1829	Many?	?	Many killed, several wounded.	{=}
Galunggung			(0603-14=)	
1822 1008	4,011	$P_{90?}$ $M_{10?}$	114 villages destroyed. Katili & Sudrajat consider most of the fatalities to result from nuees ardentes, which extended 10 km.	{=}
1982	68?	$I_{96?}$ $T_{4?}$	Death toll estimates vary from "a few" to 72. Washington Post reported 3 killed by falling rocks. Koesman Aboeng reported 58 deaths at Tasikmalaya due to traffic accidents, old age, infant deaths, cold, ash, and lack of food. SEAN reported total of 27 fatalities as of late May (including deaths in refugee camps). Press reports 2 fatalities April 5, 8 on April 8. 22 villages rendered uninhabitable; damage estimates exceeded 15 million dollars. Witham gives range of 23-188.	{1982 0405}
Cereme			(0603-17=)	
1698	?	?	Fatality details unknown.	{1698 0203}
Dieng Volc Complex			(0603-20=)	
1786	38	$A_{100?}$	Ground fissuring occurred and 38 persons died from a collapse that destroyed Jampang village.	{=}
1826	Several	?	Fatalities "low."	{1826 1011}
1847 1204	Several	?	Fatalities "low."	{=}
1928 0513	40?	$T_{3?}$	One person was killed by a falling rock at Simbar, 750 m from the vent near Timbang. Verstappen does not specify cause of death but reports 39 people killed at Butak. The Volcanological Survey of Indonesia (VSI) plaque near Sinila crater lists 39 fatalities in 1928.	{=}
1939 1013	10	$T_{100?}$	Lahars destroyed 50 ha of land and steam explosions caused 10 deaths and damage. Verstappen reports deaths were at Timbang.	{=}
1944 1204	117	$T_{50?}$ $T_{50?}$	VSI plaque notes 117 fatalities and 250 injuries from 1944 eruption. Van Bemmelen lists 59 dead; 55 missing; 38 hurt. Coarse gray-white ashes and blocks of old volcanic material rained on 7 villages evidently all within ~1 km of vent. Blocks reached as far as Bitingan, ~1 km from vent, where 11 people were killed and 7 hurt. Ash mud here up to 20 cm thick. At Djawera 300 m N of crater 29 were killed and 19 hurt - ash mud layer 1.5-2.0 m thick. 18 killed at Kepakisan and 1 at Pagerkandang. Wounds caused by boiling hot mud.	{=}
1964 1213	114	?	VSI plaque: 114 fatalities from this eruption.	{=}
1978 late	3	I_{100}	SEAN report mentions geothermal well blowout.	{No eruption}
1979 0220	149?	G_{100}	Inhabitants of Kaputjukan, frightened by phreatic eruptions at Sinila and Sigludung Craters, fled toward Batur along trail. 149 (variously reported as 142 to 182) later found dead on the track, seeming to be asleep, in a single file as when they were walking. Killed by emission of poisonous gases from Timbang Crater: either CO_2 or CO_2 and H_2S (hydrogen sulfide).	{=}
1992 0318	1	G_{100}	One person was killed and two persons hospitalized by a gas emission on March 18, 1992 not associated with an eruption.	{No eruption}
Merapi			(0603-25=)	
1587	?	?	Fatality details unknown.	{=}
1672 0804	3,000?	$P_{100?}$	Hadikisumo, Thouret et al. give total of 3,000 fatalities. Kusumadinata 300. Only evidence of agent is that this was a major eruption producing pyroclastic flows.	{=}
1822 1227?	100?	?	100 killed, many wounded, 4 villages completely destroyed, and 4 villages partly devastated. Sapper gives death toll as 20 and indicates villages were on W side. Hadikusumo gives 16 villages destroyed.	{1822 1227}
1832 1225?	32	?	1 village completely destroyed.	{1832 1225}
1872 0415	30	T_{100}	The ejection of incandescent lapilli caused 30 fatalities and wounded many others in Selo, at the saddle between Merapi and Merbabu, burning about 50 houses.	{=}
1872 0417>	170	P_{100}	The paroxysmal phase April 17-20 produced many pyroclastic flows: 3 villages completely destroyed, 8 villages partly destroyed, many cattle killed.	{1872 0415}
1904 0130	16	P_{100}	16 killed, 45 injured & 3 small villages destroyed when pyroclastic flows swept down Woro ravine.	{1902 12}
1920 1012	35	P_{100}	Pyroclastic surge on October 12 killed 35 persons in ravine on SW flank. Most were immediately killed, but some sucumbed a few days later.	{1920 0725}
1930 1218	1,369	P_{100} **M**	13 villages totally and 29 partially destroyed. 1,109 houses destroyed, 2,140 cattle killed. Van Bemmelen notes that deaths were caused by nuees and the volcano observer died of burns. Thouret et al. also note lahar fatalities.	{1930 1125}
1932 02	?	m_{100}	Secondary lahars caused unknown number of fatalities.	{No eruption}
1954 0118	64	P_{100}	57 wounded, 1 village totally destroyed, 2 partly destroyed, 144 houses destroyed. Pyroclastic flows reached villages of Pentjarngisor and Pentjarduwar; 30 were killed at the time of the eruption and 34 died in hospital from burns. Witham lists range of 37-68.	{1953 0302}
1961 0508	6	P_{100}	Pyroclastic flows destroyed 8 villages totally and 2 partially; six persons killed, another 6 seriously injured.	{1961 0411}
1962 10	2	**m**	Secondary lahar swept through villages, killing 2 persons and injuring 5.	{No eruption}
1969 0107	1-3	$P_{100?}$	Pyroclastic flows swept as far as 13.5 km, but villages had been evacuated as a result of a seismic swarm, and only one fatality occurred (some sources list 3 fatalities).	{1967 0112}
1974 1022	9	M_{100}	There were 9 fatalities from lahars; 6 houses were damaged.	{1972 1006}
1976 1125	29	M_{100}	There were 29 fatalities from lahars in the Krasak valley on the SW flank; 306 houses were damaged.	{1972 1006}
1986 1231	1	M_{100}	Driver of stalled truck swept away by rain-induced lahar.	{1986 1010}
1994 1122	66	P_{100}	Pyroclastic flows killed 66 villagers (and an additional 100 were hospitalized in serious condition)	

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Rinjani			(0604-03=)	
1994 1103	31	m_{100}	A cold lahar from the summit area killed 30 residents of the village of Aikmel who were collecting water from the Kokok Jenggak River. One other person remained missing on November 9.	{1994 0603}
Tambora			(0604-04=)	
1815 0410	11,000?	$P_{90?}$ $A_{5?}$ W_5	Approximately 11,000 direct deaths from bomb impacts, tephra falls, and tsunamis; recent work indicates pyroclastic flows reached all but W coast and probably caused most direct fatalities on Sumbawa.	{1812}
Indirect	49,000?	I_{100}	An estimated 49,000 persons died of famine and disease on Sumbawa and Lombok islands following the eruption. This replaces an earlier estimate of 82,000.	{1812}
Iya			(0604-11=)	
1969 0127	2	T_{50} m_{50}	2 killed, 10 wounded, 1 village totally and 7 partly destroyed, 287 houses destroyed. VSI report houses were damaged on the island of Ende and one person was killed. Secondary lahars later caused another fatality.	{=}
Kelimutu			(0604-14=)	
1995 0515	1	?	Tourist fell into crater lake.	{No eruption}
Paluweh			(0604-15=)	
1928 0804	226	$W_{70?}$ $T_{30?}$	Tsunami generated by a large landslide at two places on S and E coast of island during explosive eruption during night of Aug 4-5 killed 128 out of total 226 who perished. Latter says tsunami, consisting of 3 waves of 5-10 m in height, killed at least 160 people. 200 injured & 5 villages totally destroyed.{=}	
1964 0101	1	?	1 killed, 3 wounded.	{1963 1231}
Egon			(0604-16=)	
2004 0129	1	T_{100}	One person was killed by smoke and ash inhalation; another fatality from unknown causes may have occurred.	{=}
Lewotobi			(0604-18=)	
1869 0727	2	?		{1869 0707}
1907 1016?	1	?	1 killed, several wounded.	{1907 0928}
Iliwerung			(0604-25=)	
1870	?	?	Fatality details unknown.	{=}
1948 0407	?	?	Van Bemmelen mentions no human deaths but notes nuees down E coast killed 300 cattle & destroyed 100 gardens.	{=}
1973 12?	2	W_{100}	A tsunami 50 m high generated by submarine activity swept away 2 fishermen.	{1973 1205}
1979 0718	539?	W_{100}	Massive landslide 7 km N of Iliwerung caused tsunami up to 9 m high, and devastated 4 villages. Death toll on Lomblen Island listed as 539 (175 bodies recovered and 364 missing).	{No eruption}
1983 0817	?	$W_{100?}$	Some people disappeared because of tsunami associated with submarine eruption.	{=}
Sirung			(0604-27=)	
1953 06	5	?	5 killed, 1 injured.	{=}
Wurlali			(0605-04=)	
1993 0121	1	$m_{100?}$	One killed and 12 injured by debris flow or avalanche.	{No eruption}
Teon			(0605-05=)	
1660 02	3	$G_?$ $T_?$	2 or 3 choked and died.	{=}
Serua			(0605-07=)	
1693 0604	Many?	$L_{100?}$	Many killed at Hislo on W part of the island by a stream of "burning brimstone."	{=}
Banda Api			(0605-09=)	
1598-1602?	?	?	Fatality details unknown.	{=}
1615	?	?	Sapper notes all settlements destroyed.	{1615 0316}
1694 1130?	Many?	?	The whole population at the foot of the volcano was destroyed. Neumann van Padang reports an enormous outburst on this day destroyed vegetation on the island. Some sources do not list fatalities.	{1690}
1820	?	?	Kusumadinata (1979): unknown number killed.	{1820 0611}
1988 0509	4	T L	A lava flow overran the mosque in Batu Angus village, killing an elderly man who had sought refuge rather than flee with the evacuees. Two young men drowned when their canoe was hit by a block. SEAN gives 3 killed.	{=}
Lokon-Empung			(0606-10=)	
1750-1800?	?	?	Fatality details unknown.	{1775}
1991 1024	1	$T_?$ $P_?$	An amateur Swiss volcanologist was killed while observing the eruption.	{1991 0517}
Mahawu			(0606-11=)	
1958 0712	1	$M_{100?}$	1 killed by hot mud, 10 injured.	{=}
Ruang			(0607-01=)	
1870 0827	?	?	Unknown number of deaths, 1 village completely destroyed, 40 houses destroyed.	{=}
1871 0303	400?	W	300-400 killed, 1 village completely destroyed, 75 houses destroyed at Bahhuas on Tagulandang Island by tsunami associated with partial collapse of lava dome.	{1871 0302}
Karangetang [Api Siau]			(0607-02=)	
1940 0823?	1	?	1 killed, 2 wounded. Date is variably given as Aug 23 or March in same source.	{1940 0620}
1974 0427	4	A_{100}	Earthquakes caused landslides.	{1972 01}
1976 1015	1	P_{100}	1 killed and 1 injured by small pyroclastic flow from collapse of lava flow front when evacuees returned at night to witness incandescent lava. 24 houses destroyed by lava. Witham lists September 19 date.	{1976 0915}
1992 0121	2?	M_{100}		{1991 0702<}
1992 0511	6	P_{100}	7 farmers were burned by pyroclastic flows from collapsing lava flow front; 6 later died in hospitals.	{1991 0702<}
1997 0608	3	P_{100}	Three persons were killed as a result of pyroclastic flows on June 8, 1997.	{1996 1001<}
Awu			(0607-04=)	
1711 1211	~3,000	$P_{100?}$	About 3,000 killed. Sapper gives death toll as about 2030. Pyroclastic flows before morning of Dec 12 took around 3,000 lives, 2,030 of which were in the Kendhar area, 408 from Taruna, 70 from Kolongan, and the remainder from Talawid and Motane.	{1711 1210}
1812 0806?	~953	$P_{75??}$ $M_{25??}$	From the number of fatalities and the amount of damage it can be concluded that the eruption also included lahars and glowing clouds. Sapper gives death toll as 953. Kusumadinata (1979) gives toll as hundreds killed, 3 wounded.	{1812 0806}
1856 0302>	2,806	$P_{100?}$	8 villages partly destroyed.	{=}
1892 0607	1,532	$P_{75??}$ $M_{25??}$	Fatalities all on N coast attributed to pyroclastic flows and lahars; 10-12 villages totally destroyed. Sapper gives death toll as 1,000-1,500.	{=}
1966 0812	39	$P_{72??}$ $M_{25??}$ I_3	38 killed by pyroclastic flows and lahars, one person drowned while swimming to ship. Only 1 body was found, most were covered with rocks and hot pumice flows. 1,000 were injured by the impact of ejected fragments from the lava plug. 2 villages totally destroyed, 3 partly destroyed. Witham lists range of 39-88.	{=}
Dukono			(0608-01=)	
1550	?	?	Fatality details unknown.	{1550 1120}
Gamkonora			(0608-04=)	
1564?	?	?	1564 or 1565	{1564 1231y}
1673 0520	Many?	W_{100}	Tsunami inundated villages.	{=}
Gamalama			(0608-06=)	
1772 0509	35	$T_{100?}$	30-40 slaves working at NW foot of the volcano were killed by glowing ash and rock.	{1771 0828}
1773 1025	Several	$I_?$	Drownings on overloaded boats fleeing eruption.	{1773 1021}
1775	1,300?	$P_{100?}$ $I_?$	Maar-forming eruption on N coast, with widespread base surge deposition killing 141. Some drowned while escaping by boat. Bronto et al. give 1,300 fatalities.	{1775 0820}
1838 0226	4	T_{100}	Javanese sulfur collectors killed in crater.	{=}

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
1858 0703	Many	m_{100}	Mudflows following earthquake-generated landslide killed many: no eruption	{No eruption}
1954 0721	1	G_{100}		{No eruption}
1961 0423	1	G_{100}		{No eruption}
1967 1104	2	?		{No eruption}
1970 0430	1	?		{No eruption}
1972 1125	1	?		{No eruption}
1975 0812	1	?		{No eruption}
1985 0722	1	?		{No eruption}
Niigata-Yake-yama			(0803-09=)	
1974 0728	3	T_{100}	Mountain climbing students of Chiba University killed by ejecta while camped near fissure crater.	{=}
Asama			(0803-11=)	
1596 0501	Many	T_{100}	Many killed by tephra on May 1. One source also lists many fatalities for 8/19 eruption of same year.	{=}
1598 0513	800?	T_{100}	Religious pilgrims who had climbed the volcano were killed at the summit (where they were staying because it was not a religiously auspicious day to descend). Hayakawa and Nakajima (1998) question this report.	{=}
1721 0622	15	T_{100}	Fifteen climbers killed, some sources say 5.	{=}
1783 0805	1,491	$F_{70?}$ $P_{30?}$ I?	466 killed by Kamabara pyroclastic flow. 93 people who were able to climb up steps of small temple survived. Hot mudflows from the Kamabara nuee flowed into the Agatsuma R. causing a temporary dam. Flood downstream over a distance of 100 km washed away 1,300 houses and up to 1,400 people. Suspended ash and dust decreased sunlight, and resulting cold and rainy weather caused a famine in the Kanto region. Approximately 300,000 people died in northern Japan from the Tenmei famine, which lasted from 1783-1787. Some estimates suggest up to 1 million deaths, then about 3% of Japan's population, but the eruption is considered only a contributing factor.	{1783 0509}
1803 0704/1107	?	?	CAVW lists fatalities but does not specify which 1803 eruption. JMA (1975) and Murayama mention no fatalities for either.	{1803 0704}
1911 0508	1	T_{100}	1 climber killed & ~60 houses destroyed.	{1909 0129}
1911 0815	>2	T_{100}	Two or more climbers killed and 36 injured.	{1909 0129}
1913 0529	1	T_{100}	One climber killed and another injured.	{1909 0129}
1930 0820	6	T_{100}	6 killed by projectiles near crater rim.	{1930 0418}
1931 0820	3?	?		{1931 03}
1936 0729>	2	$P_{50?}$ $T_{50?}$	Single climbers killed on 7/29 & 10/29: the first possibly by small pyroclastic flow.	{1934 1113}
1938 0716	Few	T_{100}	There were a few fatalities on July 16, 1938.	{1938 0325}
1941 0713	1	$T_{100?}$	Death (& 1 injury) assumed to be from ballistics because of number of explosions. Near end of >4-year eruption.	{1938 0325}
1947 0814	11	?	Eleven persons climbing volcano were killed.	{1947 06}
1950 0923	1	T_{100}	One climber killed, one injured from lithic ejecta. Air shock damaged houses.	{=}
1961 0818	1	$T_{100?}$	A climber at the summit at the time of an eruption was killed.	{=}
Kusatsu-Shirane			(0803-12=)	
1932 1001	2	$M_{100?}$	2 killed, 7 injured in lahar generated by eruption while 20 were mining native sulfur from the crater lake bottom.	{=}
1971 1227	6	G_{100}	Six skiers were killed by hydrogen sulfide inhalation.	{No eruption}
1976 0803	3	G_{100}	Three school trip hikers were killed by hydrogen sulfide inhalation.	{No eruption}
Akagi			(0803-13=)	
1947 0916	699	m_{100}	A non-eruptive lahar due to a typhoon caused 699 fatalities, mostly on the Aratogawa river, originating from the summit crater of Akagi.	{No eruption}
Nasu			(0803-15=)	
1410 0305	180	?	180 persons and many cattle killed.	{=}
1919 0706	2	G_{100}		{No eruption}
1921 1126	1?	G_{100}		{No eruption}
Bandai			(0803-16=)	
1888 0715	461	$A_{80??}$ $P_{20??}$	Debris avalanche buried several villages. Only ~116 bodies recovered: 70 injured, mostly burned and scarred by pyroclastic surge.	{=}
1938 0509	2	m_{100}	Secondary lahars on May 9 and 15 caused two fatalities	{No eruption}
Adatara			(0803-17=)	
1900 0717	72	T_{100}	72 sulfur miners in crater killed, 10 injured in explosive eruption.	{=}
1997 0915	4	G_{100}	Four hikers died from inhalation of volcanic gases after being exposed to fumes on the floor of Numano-taira crater on September 15, 1997, a year after the last eruption of Adatara. The hikers were part of a group of 14 who became disoriented in foggy conditions and departed from a trail where warning signs were posted.	{No eruption}
Azuma			(0803-18=)	
1893 0607	2	T_{100}	2 geologists were killed on the crater rim by falling stones.	{1893 0519}
Zao			(0803-19=)	
1867 1021	3	M_{100}	Overflow of muddy water from Okama crater lake killed 3 hot springs bathers at E foot of Goshiki-dake.	{=}
Narugo			(0803-20=)	
1969 0826	1	G_{100}		{No eruption}
Chokai			(0803-22=)	
1801 0814	8	T_{100}	Climbers killed by volcanic ejecta.	{1800 12}
Akita-Yake-yama			(0803-26=)	
1986 0508	1	G_{100}		{No eruption}
1988	3?	I_{100}	3? non-eruptive fatalities of unknown cause.	{No eruption}
Hakkoda Group			(0803-28=)	
1997 0712	3	G_{100}	Three Japanese Army soldiers were killed by carbon dioxide inhalation during a training mission.	{No eruption}
Oshima			(0804-01=)	
1789	?	T_{100}	Heavy ashfall buried Shimotaka village, including people and animals.	{=}
1953 1013	1	?		{1953 1005}
1957 1013	1	T_{100}	One tourist killed and 53 injured by explosion.	{1957 08}
1986 1115	1	I_{100}	A 74-year-old man died of a heart attack while being evacuated by ship from the island, on eruption's first day.	{=}
Miyake-jima			(0804-04=)	
1874 07	1?	$T_?$	A person near the crater was missing and presumed dead.	{1874 0703}
1940 0808	11	?	11 killed, 20 injured.	{1940 0712}
Aoga-shima			(0804-06=)	
1783 04	7?	?	Eruption and earthquake: 7 persons (one source says 14) and all houses at foot of cone burned.	{1780 0727}
1785 0418	~135	?	130-140 killed by explosion in last month of 5-year eruption after rescue boats from Hachijo-jima did not have room for all residents. Island abandoned for 50 years.	{1780 0727}
Bayonnaise Rocks			(0804-07=)	
1952 0924	31	$P_{100?}$	Research ship Kaiyo-maru, while over central submarine dome Myojin-sho, sunk by explosion; all 31 on board killed. Witham lists 29-31 fatalities.	{1952 0916}
Tori-shima			(0804-09=)	
1902 0809	125	?	All islanders killed: no bodies recovered.	{1902 0807}
1939	2	?		{1939 0817}

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
			sidence and 2 deaths in Halape Park area when sea inundated acres of land.	{=}
1993 0419	1	$A?_{100}$	Man watching lava enter sea was swept away when new lava bench collapsed, sliding into the ocean near Kalapana. At the same time, steam explosions threw incandescent blocks on the lava delta, injuring 22 other spectators.	{1983 0103}
1998 0428	1	L_{100}		{1983 0103}
2000 1103	2	$G?_{100}$	Two hikers died above lava bench after possibly inhaling hot gases or being scalded by hot water.	{1983 0103}
Mauna Loa			(1302-02=)	
1868 0402	77	W_{60} M_{10}	Earthquake during eruption generated tsunamis; heavy rains produced mudflows. 46 killed by tsunami, 31 by mudflows.	{1868 0327}
Hualalai			(1302-04-)	
1784g	Some?	L_{100}	A number of lives were said to be lost as a result of the Kaupulehu lava flow, although this report first appeared in 1844 after earlier reports mentioned no fatalities.	{=}
1800	2?	L_{100}	A mother and her child were reported to be killed when lava flows surrounded their hut at night. This report did not appear until 1844, after other reports noting no fatalities.	{=}

MÉXICO AND CENTRAL AMERICA (14)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Colima			(1401-04=)	
1576	?	?	Strong explosive eruption, great destruction of land. Deaths reported - number unknown.	{=}
1590 0115>	Many	I_{100}	An explosive eruption was followed by a plague that killed many native residents.	{1590 0115>}
1818 0215?	?	?	Medina lists fatalities and property damage. Servando de la Cruz suggests deaths could be due to starvation and disease after the eruption.	{1818 0215}
1913 0120>	>13?	$P_{92?}$ $m_{8?}$	At least 8 persons died following the January 20 plinian eruption from burns produced when they walked and collapsed in hot pyroclastic-flow deposits or were buried by collapsing walls of hot deposits in river valleys. Four or five persons died from an explosion when hot pyroclastic-flow debris forming a dam collapsed into the water. One person was killed by secondary lahars.	{1913 0118?}
Michoacán-Guanajuato			(1401-06=)	
1943	3	E_{100}	Lightning associated with eruptive activity.	{1943 0220}
1943	>100	I	Deaths included killings of refugees by new neighbors, murders in land disputes after the eruption, and deaths in the refugee communities from disease and lack of will to live.	{1943 0220}
Popocatépetl			(1401-09=)	
1919 0219	Some	A_{100}		{=}
1996 0430	5	T_{100}	Five climbers, who had disregarded restrictions against climbing the volcano, were killed by an explosion on April 30.	{1996 0305}
1997 0630	?	?	Fatality details unknown.	{1996 0305}
Chichón, El			(1401-12=)	
1375u	?	M_{100}	Hot flood produced by drainage of pyroclastic-flow-dammed lake caused fatalities.	{1375u}
1982 0329	1,879?	$P_{90??}$ $T_{6??}$ $M_{2??}$ $S_{2??}$	1,755 missing and 124 dead mostly in pyroclastic flows. Other estimates range up to 2,000. Two caretakers at dam construction killed by lahar. 11 killed when dam created by pyroclastic flow broke. Government sources list 187 fatalities (including 4/04), but do not include missing persons. Most of casualties on N side were due to fires started by incandescent tephra and building collapse due to earthquakes.	{1982 0328}
1982 0404	33	P_{100}	32 soldiers and 1 geologist killed by pyroclastic flow that overran Francisco Leon, 5 km SW of summit.	{1982 0328}
1982 0527	1	m_{100}	Failure of pumice dam from pyroclastic flow caused rapid drainage of lake at Francisco Leon. One worker at hydroelectric plant downstream killed.	{1982 0328}
Santa María			(1402-03=)	
1902 1025	2,500?	$T_{80?}$ $G_{20?}$	Sapper says that hundreds of people were killed in collapsing houses. One source says 10 villages of 50-5,000 inhabitants each were buried beneath tons of volcanic debris. At one plantation 11 km from the volcano, 105 of 112 laborers died. At a village over 350 died, suffocated by deadly fumes.	{=}
Indirect	7,500?	?	Anderson suggested 2-3,000 killed and many more (i.e. >2,000) died in subsequent malaria outbreak because ashfall killed birds but not mosquitoes. Both Coleman and Wilcoxson give estimates of 6,000 killed; Witham estimates 5,000-10,000 deaths from disease.	{1902 1024}
1929 1102	>200	$P_{90??}$ $M_{10??}$	CAVW lists 23 fatalities for pyroclastic flow. VL gives 45 deaths, with 21 bodies found at El Palmar, 10 km from the crater but later VL details 26 more killed by hot mud at a plantation on the Rio Tambor. This source also implies that loss of life approached that in the 1902 eruption. Mercado et al. suggest 11/02 dome collapse pyroclastic flow killed from several hundred to as many as 5,000 persons.	{1922 0622}
1978 0902	1	M_{100}	Mudflow from breakup of ash & block dams on rivers killed 1.	{1922 0622}
1990 0719	4	T_{100}	Four hikers on a government-sponsored filming expedition were killed by explosions while on the E rim of the 1902 crater.	{1922 0622}
1991 01	25	A_{100}		{1922 0622}
Fuego			(1402-09=)	
1963 0930	7	$M_{100?}$	Renewed ashfall triggered a lahar in which 7 persons perished.	{1963 0928}
1971 0914	10	$M_?$ $T_?$	BVE gives 10 killed of unstated causes. CSLP gives 2 killed in San Pedro Yepocapa by about 30 cm ashfall.	{=}
1974 1014?	?	$T_?$ $M_?$	Deaths caused by a shower of bombs. 2-3 killed by "hot water and mud." Although there were few casualties, thousands abandoned their houses, many of which were destroyed by the weight of ash.	{=}
Agua			(1402-10=)	
1541 0911	>1,300	m_{100}	Draining of crater lake evidently created mudflows which destroyed former Guatemalan capital of Cuidad Vieja. Gobernadora Donna Beatrix, the first woman head of government in the American continent, was one of the dead.	{No eruption}
Pacaya			(1402-11=)	
1995 0407	1	M_{100}	A lahar completely buried a house in Los Rios and killed a small girl.	{1990 0104?}
Apaneca Range			(1403-01=)	
1990 1013	26	T_{100}	A minor hydrothermal directed explosion from a thermal area in the village of El Barro caused 13 fatalities; another 13 persons later died in hospitals.	{No eruption}
Santa Ana			(1403-02=)	
2005 1001	2	$A_{100?}$	Two persons were killed at the settlement of Palo de Campana, on the NE flank, possibly due to landslides associated with heavy rainfall.	{=}
Izalco			(1403-03=)	
1926 1105	?	P	Deaths probably occurred in pyroclastic flow.	{1925 1226}
San Salvador			(1403-05=)	
0640r 08	?	?	Sheets (1979) noted unverified reports from lay sources of bodies found on the floor of a house beneath the Cerén tephra during the initial bulldozer excavation. No bodies were subsequently found by archaeologists.	{=}
1917 0606	325?	$S_{92?}$ $L_{8?}$	CAVW and Roy make no mention of fatalities in this eruption, but Jagger reports some people caught and killed in lava flow; several hundred were killed and many wounded when 15 towns including capital destroyed by volcanogenic(?) earthquake on same day.	{1917 0607}
Ilopango			(1403-06=)	
0450r	30,000	?	Major plinian eruption associated with caldera formation destroyed early Mayan cities. Sheets	

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Year M-Dy	Deaths	Agent	Remarks	{Start Date}
2008 0822	2	m_{100}	Two children were killed when a secondary lahar from failure of a dam swept away two homes in Baños.	{1999 1005}
Sangay			(1502-09=)	
1976 0812	2	T_{100}	2 killed and 4 seriously injured as British Vulcan Expedition neared summit of perennially active cone.	{1934 0808}
Azul, Cerro			(1503-06=)	
1943 0413b	1	$T_{100?}$	P-39 fighter pilot from WW-II Galapagos air base crashed when flying over eruption.	{=}
Huaynaputina			(1504-03=)	
1600 0219	1,500?	?	About 1,500 persons were killed, excluding fatalities from lahars down the Rio Tambo or earthquakes in Arequipa.	{1600 0217a}
Lonquimay			(1507-10=)	
1989 06	1	T_{100}	Autopsy of a 64-year-old wood cutter exposed to ash for 8 hours daily, revealed lung and nervous system problems similar to that causing many livestock deaths.	{1988 1225}
Llaima			(1507-11=)	
1937 0209+	3	F_{100}	Castroen River swelled with ash, destroying a house and killing 1. The next day, summit lava flows melted snow to produce floods of hot water down the same river killing 2 and destroying 2 bridges.	{=}
Villarrica			(1507-12=)	
1575	350?	S_{100}	Destruction of Villarica village during tectonic earthquake; reports of eruption are in error.	{No eruption}
1949 0101	54	M_{100}	Lahars caused great damage and killed 23 persons, with an additional 31 missing. Witham lists a range of 40-100 fatalities	{1948 1009}
1963 0521>	?	M_{100}	Snowmelt from lava and super-heated steam May 21-24 caused mudflows with fatalities.	{1963 0225}
1964 0303	25	M_{100}	Mudflows swept over 50% of Conripe village. 25 killed or missing.	{1964 0302}
1971 11	15	M_{100}	Lahars down N. W. and S sides of volcano caused by lava flows melting ice killed 15 in Chaillupen and Turbio valleys, destroying many houses and agricultural installations. Concrete bridges across major rivers cut.	{1971 1029}
Carran-Los Venados			(1507-14=)	
1955 0727?	2	G_{100}	Two persons killed by gases.	{1955 0727}
Chaiten			(1508-041)	
2008 0502	1	I_{100}	One elderly person died during evacuation efforts.	{=}
Hudson, Cerro			(1508-057)	
1971 0818	5	M_{100}	Lahar mobilized by melting ice down Rio de Los Huemules. Adult and 2 children reported missing; houses remained intact, filling to ceiling with mud and clasts. Witham lists range of 3-5 fatalities, accepts 5 figure.	{1971 0812}
1973 0405	2	m_{100}		{No eruption}

WEST INDIES (16)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Soufrière Hills			(1600-05=)	
1997 0625	22?	P_{100}	Pyroclastic flows within a restricted zone on the NE flank on June 25 caused 19 confirmed fatalities: 3 others were missing and presumed dead.	{1995 0718}
1997 0801e	2	P_{100}	Two local residents who had often entered the restricted area were killed by pyroclastic flows in Plymouth in late July or early August 1997.	{1995 0718}
Pelée			(1600-12=)	
1902 0505	23	M_{100}	Draining of crater lake upon failure of crater rim produced mudflows that destroyed a rum distillery, killing 23.	{1902 0423}
1902 0508	28,000	P_{100}	CAVW gives death toll as 28,000 but accounts published at time give 30,000. More recent workers argue that normal population of 26,000 had been swollen by a few thousand refugees from outlying areas, despite the many evacuees. 28,000 is compromise figure.	{1902 0423}
1902 0830	1,500	P_{100}	CAVW gives estimate of 1,000, but Heilprin reports that at Morne Rouge 1,200-1,500 died, and that fatalities also occurred in Ajoupa-Bouillon, Morne Capot, Moine Balar, and Bourden.	{1902 0423}
Soufrière St. Vincent			(1600-15=)	
1812 0430	56	$T_{100?}$	Most fatalities were workers killed by falling hot stones and hut collapses.	{1812 0427}
Indirect	Some	$m_{100?}$	Some killed in a lake burst a few months after the eruption.	{1812 0427}
1902 0507	1,680	P_{100}	Estimate of fatalities is that given in official documents, though most accounts give 1,565 with others ranging from 1,351 to >2,000. Of 224 in hospital after May 7, ~80 died; 221 with burns and 3 children with fractured skulls. Hovey reports only 1 killed on leeward side and 1,350 dead on windward side.	{1902 0506}
1979 0413	2?	$T_?$ $P_?$	Uncertain report of 2 fatalities.	{=}

ICELAND (17)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Vestmannaeyjar			(1702-01=)	
1973 0127	1	G_{100}	Sleeping man killed by pooling of CO_2 in house basement. Witham (2005) lists January 23 date.	{1973 0123}
Katla			(1702-03=)	
1262	?	F?	Probably some casualties.	{=}
1311 0118	Many	F	Many farms destroyed by jökulhlaups and probably many people drowned.	{=}
1755	2	E_{100}	2 killed by lightning during tephra fall.	{1755 1017}
Hekla			(1702-07=)	
1510 1015q	?	I_{100}	No confirmed fatalities, but likely cause of famine in northern Iceland.	{=}
Indirect	~600	I_{100}	Tephra fall associated with eruption caused famine, killing 600 in the winter following the eruption.	{1300 0711}
1510 0725	1	T_{100}	Man killed by block 20 km from volcano	{=}
1947 1102	1	L_{100}	A scientist filming the eruption was killed by a glowing block which rolled off the front of a lava flow, killing him instantly.	{1947 0329}
Grimsvötn			(1703-01=)	
1629	4?	F_{100}	Jökulhlaup killed a couple with children.	{=}
1684 11	1	F_{100}	Drowned during a jökulhlaup in the Jokulsa River.	{1684 1105d}
Indirect	9,350	$I_{100?}$	Widespread famine resulted from destruction of summer crops and poisoning of livestock. The human population was reduced by 10,521 from 48,884 in 1783 to 38,363 in 1786, a loss of 22%. When natural birth and death rates are taken into account the best estimate of the death toll becomes 9,350. Fine dust in Scotland also destroyed crops, and volcanic gas and aerosols in England may have contributed to mortality spikes in 1783 and 1784. The combined effects of the Lakagigar and Asama eruptions may have contributed to the Tenmei famine in N Japan and elsewhere.	{1783 05}
1860	1	m_{100}	One fatality from drowning in water-filled kettle hole following a jökulhlaup in 1860.	{no eruption}
Öraefajökull			(1704-01=)	
1362	>220	$T_?$ $F_?$	Some deaths were from floods, but most were from tephra falls.	{1362 0605d}
1727 0804	3	F_{100}	3 drowned when jökulhlaup swept chalet away. Many sheep and horses were also drowned and many horses killed by bomb fall.	{1727 0803}
Esjufjöll			(1704-02=)	
1927 0905d	1	M_{100}	One person died as a result of the jökulhlaup.	{=}

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ATLANTIC (18)

Year M-Dy	Deaths	Agent	Remarks	{Start Date}
Fayal			(1802-01=)	
1672	3?	?		{1672 0424}
Pico			(1802-02=)	
1718	2?	?		{1718 0201}
San Jorge			(1802-03=)	
1580	15	P_{100}	15 men burned by a pyroclastic flow.	{1580 0501}
1757	Hundreds	S_{100}	The submarine eruption of 1757 coincided with history's most violent earthquake in the Azores, centered in the E part of the island and causing several hundred deaths.	{1757 0709}
1808	>10	L_{100}	People attempting to save furniture remained too long in vicinity of advancing lava. About 60 were scalded by flashes of steam. 8-10 (?) died on the spot or a few days later. Another source stated that many who fled to safety in the Urzelina church were engulfed in lava and killed.	{1808 0501}
Furnas			(1802-10=)	
1630 0903	195	**P T M**	On September 3, 1630 about 30 people were killed during the first explosions, and in Ponta Garca 80-115 people died from pyroclastic surges and building collapse; at most 195 persons were killed.	{=}
La Palma			(1803-01-)	
1677	1	G_{100}	Gas killed one man and many animals. Johnston-Lavis gives date as 1678 and deaths from "mephitic vapours."	{1677 1117}
1971 1028	?	?	Casualties occurred but very little damage reported.	{1971 1026}
Fogo			(1804-01=)	
1847	?	S_{100}	Fatalities caused by earthquake.	{1847 0409}

Katia and Maurice Krafft

The 1985 eruption of Colombia's Nevado del Ruiz volcano produced the deadliest lahars (volcanic mudflows) in recorded history. A relatively moderate explosive eruption melted parts of the summit icecap and sent lahars down four major drainages. The town of Armero, shown here, was destroyed by a lahar that had traveled 74 km east of the summit and exited a narrow canyon above the town in a 40-m-high wave, killing three-quarters of the 28,000 inhabitants of Armero.

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Evacuations

A complementary positive side to the lengthy preceding listing of fatal eruptions is the strong record of recent evacuations that have saved many thousands of lives from the eruptions that followed. That record is shown here for the interval since 1976, the years covered by our monthly SEAN and then GVN Bulletins, and includes all evacuations known to us. Although this time period has not been without eruptions with high volcano fatalities, the rising number of successful evacuations reflects both the hard work of the many volcanologists and public officials evaluating volcanic hazards on the front lines and subsequent educational efforts that have enhanced the understanding and recognition of volcanic risks by those living in proximity to active volcanoes.

Year M-Dy	Volcano	Evacuees	Deaths	Causes
1976				
0708	Soufrière (Guadeloupe)	72,000	0	phreatic explosions
0803	Kusatsu-Shirane (Japan)	—	3	gas
0812	Sangay (Ecuador)	—	2	explosions
0831	Taal (Luzon-Philippines)	2,000?	0	explosions
0915	Karangetang (Indonesia)	1,800	0	pyroclastic flow
0923	Sarychev Peak (Kuril Is)	?	0	explosions, lahars
1015	Karangetang (Indonesia)	—	1	pyroclastic flows
11	Kadovar (New Guinea)	1,000?	0	thermal activity, seismicity
1113	Semeru (Java)	—	133	mudflows
1125	Merapi (Java)	—	29	mudflows
1202	San Miguel (El Salvador)	a few	0	explosions
1977				
0110	Nyiragongo (Africa-C)	50,000?	100?	earthquakes, lava flows
0405	Karthala (Indian O.-W)	4,000	1?	lava flows
0408	Fournaise, Piton de la	2,500	0	lava flows
0807	Usu (Hokkaido-Japan)	27,000	3	lahars, indirect
0913	Kilauea (Hawaiian Is)	?	0	lava flows
1003	Taal (Luzon-Philippines)	?	0	explosions
1978				
....	Kliuchevskoi (Kamchatka)	—	1	explosions
0204	Westdahl (Aleutian Is)	?	0	tephra fall
0307	Mayon (Luzon-Philippines)	23,000	0	explosions, lava flows
0902	Santa Maria (Guatemala)	—	1	mudflows
0919	Semeru (Java)	—	12	mudflows
1024	Usu (Hokkaido-Japan)	—	3	secondary mudflows
late	Dieng Volc Complex (Java)	—	3	indirect
1979				
0220	Dieng Volc Complex (Java)	15,000	149?	CO_2
0308	Karkar (New Guinea-NE of)	—	2	pyroclastic flows
0413	Soufrière (St. Vincent)	15,000	2?	pyroclastic flows, explosions
0414	Carrán-Los Venados (Chile-C)	125	0	explosions
0430	Marapi (Sumatra)	—	80	mudflows
0615	Aso (Kyushu-Japan)	some	0	phreatic explosions
0718	Iliwerung (Lesser Sunda Is)	—	539?	tsunami
0906	Aso (Kyushu-Japan)	—	3	explosions
0912	Etna (Italy)	—	9	explosions
1015	Llaima (Chile-C)	?	0	explosions
1113	Negra, Sierra (Galápagos)	?	0	explosions, lava flows
1980				
0207	Bulusan (Luzon-Philippines)	?	0	explosions, earthquakes
0327	St. Helens (US-Washington)	360?	0	directed blast, lahars
0518>	St. Helens (US-Washington)	—	4	indirect
0518	St. Helens (US-Washington)	—	57	pyroclastic flows
0904	Gamalama (Indonesia)	40,000	0	hot tephra, forest fires
0924	Aso (Kyushu-Japan)	?	0	phreatic explosions
1225	Hood (US-Oregon)	—	1	secondary mudflows
1981				
....	Vilyuchik (Kamchatka)	—	several	avalanche
0118	Paluweh (Lesser Sunda Is)	1,850	0	pyroclastic flows
0317	Etna (Italy)	250	0	lava flow
0329	Semeru (Java)	—	1	pyroclastic flows
0514	Semeru (Java)	—	372?	secondary mudflows
0515	Pagan (Mariana Is-C Pacific)	53	0	explosions, lava flows
0615	Aso (Kyushu-Japan)	?	0	phreatic explosions
0630	Mayon (Luzon-Philippines)	—	200>	secondary mudflows
0719	Gamkonora (Indonesia)	3,500>	0	explosions
1225	Nyamuragira (Africa-C)	?	0	lava flows
1982				
....	Galunggung (Java)	—	68?	lexplosions, explosions
0212	Telica (Nicaragua)	50>	0	explosions
0328	Chichón, El (México)	20,000>	0	pyroclastic flows
0329	Chichón, El (México)	—	1,879?	pyroclastic flows
0404	Chichón, El (México)	—	33	pyroclastic flows
0405	Galunggung (Java)	40,000	0	lahars
0527	Chichón, El (México)	—	1	secondary mudflows
0826	Soputan (Sulawesi-Indonesia)	850	0	explosions
1983				
....	Kliuchevskoi (Kamchatka)	—	1	explosions
0718	Colo [Una Una] (Indonesia)	7,000	0	pyroclastic flows
0809	Gamalama (Indonesia)	5,000>	0	explosions
0817	Iliwerung (Lesser Sunda Is)	—	?	tsunami
1003	Miyake-jima (Izu Is-Japan)	1,500	0	explosions, lava flows
1984				
....	Mayon (Luzon-Philippines)	—	1	mudflows
0413	Aso (Kyushu-Japan)	?	0	phreatic explosions
0420	Llaima (Chile-C)	?	0	explosions
0524	Soputan (Sulawesi-Indonesia)	350	0	explosions
0815	Oku Volc Field (Africa-W)	—	37	gas
0905	Karangetang (Indonesia)	20,000	0	explosions, pyroclastic flows
0909	Mayon (Luzon-Philippines)	73,000	0	explosions, lahars
0914	On-take (Honshu-Japan)	—	29	avalanche
1016	Etna (Italy)	—	1	earthquakes
1985				
01	Kilauea (Hawaiian Is)	300>	0	lava flows
0510?	Semeru (Java)	—	70?	avalanche
0722	Tate-yama (Honshu-Japan)	—	1	?
0730	Sangeang Api (Indonesia)	1,242	0	lava flow, explosions
0911	Ruiz, Nevado del (Colombia)	?	0	lahars
1005	Kanlaon (Philippines-C)	?	0	explosions
1113	Ruiz, Nevado del (Colombia)	—	23,080	mudflows
1219<	Etna (Italy)	—	1	earthquakes
1986				
0104	Ruiz, Nevado del (Colombia)	15,000	0	explosions
02	Tacaná (México)	17,000	0	seismicity, explosion
0320	Fournaise, Piton de la	250	0	lava flows
0508	Akita-Yake-yama (Japan)	—	1	gas
0528	Iliboleng (Lesser Sunda Is)	571	0	hot tephra, grass fires
0724	Stromboli (Italy)	—	1	explosions
0821	Oku Volc Field (Africa-W)	2,000?	1,700	CO_2
1115	Oshima (Izu Is-Japan)	—	1	indirect
1121	Oshima (Izu Is-Japan)	12,250	0	explosions, lava flows
1231	Merapi (Java)	—	1	mudflows
1987				
0417	Etna (Italy)	—	2	explosions
06	Poás (Costa Rica)	?	0	phreatic explosions
1116	Oshima (Izu Is-Japan)	150	0	explosions
1228	Ranakah (Lesser Sunda Is)	4,200	0	explosions, pyroclastic flows
1988				
....	Akita-Yake-yama (Japan)	—	3?	indirect
0212	Gamalama (Indonesia)	3,500	0	explosions
0322	Ruiz, Nevado del (Colombia)	300?	0	explosions
0509	Banda Api (Banda Sea)	10,000	4	ballistics and lava flow
0706	Arenal (Costa Rica)	—	1	explosions
0718	Makian (Indonesia)	15,000	0	explosions
0730	Semeru (Java)	—	1	explosions
1224	Tokachi (Hokkaido-Japan)	?	0	explosion, lahar hazard
1989				
01	Lonquimay (Chile-C)	2,000	0	explosions, lava flow
0212	Aso (Kyushu-Japan)	—	1	gas
0405	Aso (Kyushu-Japan)	?	0	phreatic explosions
0422	Soputan (Sulawesi-Indonesia)	500	0	tephra fall
06	Lonquimay (Chile-C)	4,600?	1	tephra fall, flourine gas
0713	Izu-Tobu (Honshu-Japan)	300	0	submarine eruption
0826	Kirishima (Kyushu-Japan)	—	2	gas
0901	Ruiz, Nevado del (Colombia)	5,000<	0	explosions
1214	Redoubt (Alaska-SW)	15?	0	explosions, lahars

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Year M-Dy	Volcano	Evacuees	Deaths	Causes
1990				
0210	Kelut (Java)	60,000	35	explosions, lahars
0326	Aso (Kyushu-Japan)	—	1	gas
0418	Aso (Kyushu-Japan)	—	1	gas
0605	Sabancaya (Perú)	?	0	gas, ashfall
0624>	Rabaul (New Britain-SW Pac)	—	6	gas
0719	Santa Maria (Guatemala)	—	4	explosions
1013	Apaneca Range (El Salvador)	—	26	explosions
1019	Aso (Kyushu-Japan)	—	1	gas
1121	Nyiragongo (Africa-C)	—	1	earthquakes
1125	Kelut (Java)	—	4	secondary mudflows
1991				
01	Santa Maria (Guatemala)	—	25	avalanche
0402	Pinatubo (Luzon-Philippines)	7,000	0	explosions, gas emission
06	Mutnovsky (Kamchatka)	—	1	indirect
0603	Unzen (Kyushu-Japan)	12,395	43	pyroclastic flows, lahars
0615	Pinatubo (Philippines)	250,000	450?	explosions, lahars, disease
0711	Karthala (Indian O.-W)	1,000	0	quakes, pyroclastic flows
0719	Lewotobi (Lesser Sunda Is)	?	0	ashfall
0727	Pacaya (Guatemala)	1,500	0	explosions, earthquakes
0808	Hudson, Cerro (Chile-S)	600>	0	explosions
1024	Lokon-Empung (Indonesia)	11,000	1	explosions, pyroclastic flows
1992				
....	Semeru (Java)	—	3	explosions
0121	Karangetang (Indonesia)	—	2?	mudflows
0318	Dieng Volc Complex (Java)	—	1	gas
04	Negro, Cerro (Nicaragua)	—	9	explosions
0409	Negro, Cerro (Nicaragua)	28,000	0	ashfall, accidents
0410	Negro, Cerro (Nicaragua)	—	2?	indirect
0505d	Pacaya (Guatemala)	villages	0	explosions
0511	Karangetang (Indonesia)	—	6	pyroclastic flows
0624	Aso (Kyushu-Japan)	?	0	phreatic explosions
0705	Marapi (Sumatra)	—	1	explosions
0712	Pinatubo (Luzon-Philippines)	—	6?	secondary mudflows
0722	Copahue (Chile-C)	?	0	explosions
08	Spurr (Alaska-SW)	—	1	indirect
07-08	Pinatubo (Philippines)	2,000?	0	secondary mudflows
02<	Sabancaya (Perú)	?	0	gas, ashfall
1993				
0110	Pacaya (Guatemala)	2 villages	0	explosions, avalanche
0114	Galeras (Colombia)	—	9	explosions
0121	Karangetang (Indonesia)	452	0	pyroclastic flows
0121	Wurlali (Banda Sea)	—	1	secondary mudflows
0202	Mayon (Philippines)	57,000>	77	explosion, pyroclastic flows
0312	Guagua Pichincha (Ecuador)	—	2	explosions
0419	Láscar (Chile-N)	70	0	explosions, pyroclastic flows
0419	Kilauea (Hawaiian Is)	—	1	avalanche?
0613	Krakatau (Indonesia)	—	1	explosions
0623	Unzen (Kyushu-Japan)	—	1	pyroclastic flows
0626	Pinatubo (Luzon-Philippines)	?	4	secondary mudflows
07	Unzen (Kyushu-Japan)	3,600	0	pyroclastic flows
1004	Pinatubo (Luzon-Philippines)	—	14	secondary mudflows
1994				
0115e	Yasur (Vanuatu-SW Pacific)	—	1	explosions
02	Yasur (Vanuatu-SW Pacific)	—	2	explosions
0203	Semeru (Java)	—	6	pyroclastic flows
0517	Llaima (Chile-C)	100?	0	explosion, lahars
0529	Aso (Kyushu-Japan)	—	1	gas
0606	Huila, Nevado del (Colombia)	—	650?	secondary mudflows
0721	Colima (México)	?	0	phreatic explosion
0919	Rabaul (New Britain)	53,000	5	explosions, ashfall
1012	Pacaya (Guatemala)	142	0	explosions
1103	Rinjani (Lesser Sunda Is)	—	31	secondary mudflows
1122	Merapi (Java)	6,026	66	pyroclastic flows
1221	Popocatépetl (México)	50,000	0	explosions
1995				
0204d	Yasur (Vanuatu-SW Pacific)	—	2	explosions
0211	Yake-dake (Honshu-Japan)	—	4	explosions
0402	Fogo (Cape Verde Is)	1,300	0	explosions, lava flow
0407	Pacaya (Guatemala)	2 villages	1	explosions, lahar, mudflows
0515	Kelimutu (Lesser Sunda Is)	—	1	gas
0529	Negro, Cerro (Nicaragua)	6,000	0	ashfall
0718	Soufrière Hills (W Indies)	6,000	0	explosions
0906	Parker (Mindanao-Philippines)	—	100<	?
1106	Rincón de la Vieja	1,000?	0	lahars
1996				
0305	Komaga-take (Hokkaido-Japan)	?	0	phreatic explosions
0430	Popocatépetl (México)	—	5	explosions
0810	Kanlaon (Philippines-C)	—	3	explosions
0927	Maderas (Nicaragua)	250	0	lahar
1010	Pacaya (Guatemala)	3 villages	0	explosions, pyroclastic flows
1203	Manam (New Guinea-NE of)	—	13	pyroclastic flows
1997				
0114	Merapi (Java)	—	6	?
0127	Merapi (Java)	5,000	0	pyroclastic flows
0511	Akita-Yake-yama (Japan)	?	0	landslide, lahar
0608	Karangetang (Indonesia)	400	3	pyroclastic flows
0625	Soufrière Hills (W Indies)	—	22?	pyroclastic flows
0630	Popocatépetl (México)	1,500	?	explosions
0712	Hakkoda Group (Japan)	—	3	gas
0801e	Soufrière Hills (W Indies)	—	2	pyroclastic flows
0902	Semeru (Java)	—	2	explosions
0915	Adatara (Honshu-Japan)	—	4	gas
1123	Aso (Kyushu-Japan)	—	2	gas
1998				
0428	Kilauea (Hawaiian Is)	—	1	lava flows
0520	Pacaya (Guatemala)	3 villages	0	explosions
0524	Mammoth Mountain (US-Calif.)	—	1	gas
07	Kelut (Java)	—	10	secondary mudflows
1009	Guagua Pichincha (Ecuador)	20	0	landslide
1030	San Cristóbal (Nicaragua)	—	1,620?	secondary mudflows
1118	Colima (México)	300	0	dome, pyroclastic flows
1999				
0214	Colima (México)	?	0	explosions
0411	Cameroon (Africa-W)	600	0	lava flows, ashfall
0521	Telica (Nicaragua)	6,000	0	explosions
1005	Tungurahua (Ecuador)	22,000?	0	explosions
1005	Guagua Pichincha (Ecuador)	—	2	explosions
1016?	Tungurahua (Ecuador)	—	1	explosions
2000				
0116	Pacaya (Guatemala)	1,500	0	explosions
0223	Mayon (Luzon-Philippines)	?	0	explosions
0329	Usu (Hokkaido-Japan)	16,000	0	explosions
0627	Miyake-jima (Izu Is-Japan)	4,000	0	explosions, pyroclastic flows
0701	Copahue (Chile-C)	200	0	explosions
0727	Semeru (Java)	—	2	explosions
0823	Arenal (Costa Rica)	—	2	pyroclastic flows
11	Merapi (Java)	—	1	avalanche
1103	Kilauea (Hawaiian Is)	—	2	gas?
1215	Popocatépetl (México)	41,000	0	explosions
2001				
0608	Lopevi (Vanuatu-SW Pacific)	105	0	ashfall
0727	Mayon (Luzon-Philippines)	?	0	explosions
0805d	Merapi (Java)	—	2?	pyroclastic flows
1020	Stromboli (Italy)	—	1	explosions
1103	Reventador (Ecuador)	—	?	indirect
2002				
....	Semeru (Java)	—	3	explosions
0117	Nyiragongo (Africa-C)	350,000	100	lava flows, lava flows
0205	Colima (México)	?	0	lava flows, pyroclastic flows
0803	Pago (New Britain-SW Pac)	13,000	0	explosions
1026	Etna (Italy)	50	0	explosions, lava flows
1103	Reventador (Ecuador)	?	0	explosions, pyroclastic flows
2003				
0108	Fuego (Guatemala)	Several	0	explosions
0530	Lewotobi (Indonesia)	Hundreds	0	explosions
0731	Gamalama (Indonesia)	?	0	ashfall, pyroclastic flows
2004				
0129	Egon (Lesser Sunda Is)	5,000	1	ashfall, explosions
0608	Tengger Caldera (Java)	—	2	explosions
0703	Egon (Lesser Sunda Is)	1,888	0	ashfall
0716	Galeras (Colombia)	500?	0	explosions
1024	Manam (New Guinea-NE of)	—	5	explosions
1201	Manam (New Guinea-NE of)	9,000	0	explosions, pyroclastic flows
2005				
0127	Manam (New Guinea-NE of)	2,000	1	explosions, explosions
0217	Egon (Lesser Sunda Is)	300?	0	ashfall
0412	Talang (Sumatra)	25,150	0	ashfall
0416	Karthala (Indian O.-W)	10,000	0	explosions
0616	Santa Ana (El Salvador)	Many	0	explosions
0926	Dabbahu (Ethiopia)	6,384	0	explosions
1001	Santa Ana (El Salvador)	—	2	avalanche

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Year M-Dy	Volcano	Evacuees	Deaths	Causes
1124	Galeras (Colombia)	3,000?	0	explosions
1125	Karthala (Indian O.-W)	—	1	explosions
1127	Aoba (Vanuatu-SW Pacific)	5,000	0	explosions
2006				
0317	Raoul Island (Kermadec Is)	—	1	explosions
0401	Lengai, Ol Doinyo (Africa-E)	3,000	0	lava flows
0516	Merapi (Java)	22,000	0	pyroclastic flows
0610	Ubinas (Perú)	?	0	explosions
0610	Bulusan (Luzon-Philippines)	—	1	explosions
0614	Merapi (Java)	—	2	pyroclastic flows
0712	Galeras (Colombia)	10,000	0	explosions
0713	Mayon (Luzon-Philippines)	50,000	0	pyroclastic flows
0714	Tungurahua (Ecuador)	4,000	5?	explosions, pyroclastic flows
0810	Karangetang (Indonesia)	500	0	lava flows, pyroclastic flows
1007	Rabaul (New Britain-SW Pac)	?	0	explosions
1130	Mayon (Luzon-Philippines)	—	1266	secondary mudflows
2007				
03	Manam (New Guinea-NE of)	—	4	mudflows
0418	Huila, Nevado del (Colombia)	5,000	0	explosions, lahars
0519	Ritter Island (New Guinea)	2,000	0	explosions
0707	Salak (Java)	—	6	gas
0708	Gamkonora (Indonesia)	8,400	0	explosions
0719	Lengai, Ol Doinyo (Africa)	1,500>	0	earthquakes, explosions
0925	Ruapehu (New Zealand)	?	0	phreatic explosion, lahars
0930	Tair, Jebel at (Red Sea)	50?	4	explosions, lava flows
10	Kelut (Java)	117,000	0	dome growth
1226e	Tungurahua (Ecuador)	1,200	0	explosions, pyroclastic flows
2008				
0101	Llaima (Chile-C)	700	0	explosions
0113	Poás (Costa Rica)	20	0	phreatic explosions
0117	Galeras (Colombia)	100	0	explosions
02	Tungurahua (Ecuador)	2,000?	0	explosions
03	Lengai, Ol Doinyo (Africa-E)	5,000	0	explosions
04	Huila, Nevado del	15,000?	0	ashfall
0415	Egon (Lesser Sunda Is)	600	0	phreatic eruption
0502	Chaitén (Chile-S)	4,500?	1	explosions, indirect
0712	Okmok (Aleutian Is)	?	0	explosions, ashfall
0807	Kasatochi (Aleutian Is)	2	0	explosions, pyroclastic flows
0822	Tungurahua (Ecuador)	—	2	secondary mudflows
1120	Huila, Nevado del (Colombia)	300?	20?	explosions, mudflows
2009				
0315	Redoubt (Alaska-SW)	11	0	explosions, lahars
04	Kilauea (Hawaiian Is)	2,000	0	SO_2 emission
04	Krakatau (Indonesia)	Some	0	explosions
05	Karangetang (Indonesia)	Hundreds	0	explosions
0617	Arenal (Costa Rica)	50	0	rock avalanches
0915	Mayon (Luzon-Philippines)	47,000	0	explosions
1120	Galeras (Colombia)	1,000?	0	explosions
1126	Gaua (Vanuatu-SW Pacific)	300>	0	explosions

Tom Casadevall (USGS)

Evacuees on the island of Neira in the Banda Islands board an Indonesian Navy ship on May 20, 1988, bound for the island of Sulawesi. About 10,000 persons of a population of 16,000 living in the Banda Islands were evacuated during the 1988 eruption. The eruption plume reached a maximum height of 16.5 km, and lava flows reached the north, northwest, and south coasts of Banda Api Island, destroying two villages.

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Preliminary List of Pleistocene Volcanoes

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Pleistocene Volcano List: Context and Codes

Detailed field studies of volcanoes have shown that they can remain dormant for very long periods of time before resuming eruptive activity. We have thus begun the long process of expanding the time span covered in our data to include the Pleistocene (from 10,000 years to 1.81 million years). Obtaining representative global coverage for the entire Pleistocene will be a long-term project, and we have emphasized the very preliminary nature of these data in the title of this section. The coverage is regionally quite variable. For some regions, such as Japan (Nakano et al., 2001-), and the West Indies (Lindsay et al., 2005), volcanologists have compiled comprehensive lists of Quaternary volcanoes, but in many other regions only a small percentage of Pleistocene volcanoes are shown here.

In the first two editions of this book, we included some Pleistocene volcanoes with continuing vigorous thermal activity (such as Long Valley and Valles calderas) in the Holocene list, but here they appear in the Pleistocene list with their thermal activity noted in the Status (below). The Pleistocene list also includes volcanoes from the *Post-Miocene Volcanoes of the World* compilation (IAVCEI, 1973-80) for which a specific age date is not listed. The latest eruptive activity fromthese volcanoes could range from Pliocene to Holocene age, and they appear below with a "PM" status. Detailed field studies since the 2nd edition have also demonstrated that some volcanoes thought to have erupted during the Holocene actually ceased eruption during the late Pleistocene. Volcanoes that would otherwise have disappeared from this edition can now be found in this Pleistocene volcano listing and also appear in the **GAZETTEER**.

Status Codes

P = Pleistocene
P? = Uncertain Pleistocene
Q = Quaternary (Pleistocene or Holocene)
PT = Pleistocene-thermal
PM = Post-Miocene

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MEDITERRANEAN & W ASIA

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Calimani (Romania)	47.15 N	25.25 E	2100	Stratovolcano	P
Ciomadul (Romania)	46.13 N	25.88 E	1289	Lava domes	P
Persani Mountains (Romania)	46.00 N	25.33 E	-	Volcanic field	P
Beritia (Romania)	45.93 N	22.88 E	353	Volcanic field	P
Unnamed (Romania)	45.83 N	21.67 E	-	Volcanic field	P
Unnamed (Hungary)	46.03 N	18.75 E	-	Volcanic field	PM
Balaton Highland (Hungary)	46.92 N*	17.63 E	600	Volcanic field	P
Kemenesalja (Hungary)	47.19 N*	17.20 E	433	Volcanic field	P
Nográd (Hungary)	48.12 N*	19.80 E	671	Volcanic field	P
Filakovo-Salgotarjan (Slovakia)	48.22 N*	19.83 E	608	Volcanic field	P
Central Slovakia (Slovakia)	48.42 N*	18.93 E	737	Volcanic field	P
Unnamed (Czech)	49.88 N*	17.48 E	780	Volcanic field	P
Cheb Basin (Czech)	49.97 N*	12.39 E	585	Volcanic field	P
East Eifel Volc Field (Germany)	50.42 N	7.27 E	588	Maars	P
Rodderberg (Germany)	50.62 N	7.20 E	150	Cinder cone	P
Cofrentes (Spain)	39.24 N*	1.06 W	514	Volcanic field	P
Columbretes, Islas (Spain)	40.87 N*	0.67 E	-	Volcanic field	Q
Amiata (Italy)	42.90 N	11.63 E	1738	Lava domes	PT
Radicofani (Italy)	42.87 N	11.77 E	-	Volcanic neck	P
Torre Alfina (Italy)	42.78 N	11.92 E	-	Volcanic neck	P
San Venanzo (Italy)	42.85 N	12.28 E	466	Maar	P
Acquasparta (Italy)	42.65 N*	12.30 E	-	Volcanic field	P
Polino (Italy)	42.57 N	12.82 E	-	Explosion craters	P
Cupaello (Italy)	42.43 N	12.93 E	650	Pyroclastic cone	P
Oricola-Carsoli (Italy)	42.15 N*	13.08 E	-	Pyroclastic cones	P
Vico-Cimino Complex (Italy)	42.33 N	12.17 E	1053	Stratovolcanoes	P
Sabatini Complex (Italy)	42.17 N	12.22 E	612	Stratovolcanoes	P
Ernici, Monti (Italy)	41.58 N*	13.33 E	-	Volcanic field	P
Roccamonfina (Italy)	41.30 N	13.93 E	1066	Stratovolcano	P
Vulture, Monte (Italy)	40.92 N	15.67 E	1330	Stratovolcano	P
Ventotene (Italy)	40.80 N	13.42 E	139	Stratovolcanoes	P
Pontine Islands (Italy)	40.90 N	12.95 E	283	Lava domes	P
Logudoro (Italy)	40.58 N	8.67 E	-	Volcanic field	P
Salina (Italy)	38.58 N	14.85 E	962	Stratovolcances	P
Filicudi (Italy)	38.58 N	14.55 E	773	Stratovolcanoes	P
Alicudi (Italy)	38.55 N	14.33 E	675	Stratovolcano	P
Ustica (Italy)	38.72 N	13.18 E	248	Stratovolcances	P
Iblei (Italy)	37.17 N	14.83 E	-	Shield volcano?	P
Linosa (Italy)	35.87 N	12.87 E	195	Cinder cones	P
Sporades (Greece)	39.48 N	24.17 E	-	Lava dome	P
Volos-Atalanti (Greece)	38.85 N	22.82 E	-	Volcanic field	P
Aegina (Greece)	37.75 N	23.50 E	530	Volcanic field	P
Poros (Greece)	37.48 N	23.43 E	80	Fissure vent	P
Antiparos (Greece)	36.93 N	24.98 E	300	Pyroclastic cones	P
Kos (Greece)	36.85 N	27.25 E	430	Calderas	PT
Balikesir-Bigadic (Turkey)	39.50 N	28.00 E	-	Volcanic field	Q
Selendi (Turkey)	38.75 N	28.88 E	-	Unknown	Q
Gölcük (Turkey)	37.72 N	30.49 E	-	Caldera	P
Pasinler (Turkey)	39.90 N	41.67 E	-	Unknown	P
Arpacay (Turkey)	40.87 N	43.33 E	-	Volcanic field	P
Kisir Dagi (Turkey)	40.97 N	43.07 E	3192	Unknown	P
Kirtik (Russia-SW)	43.25 N	42.58 E	3500	Unknown	Q
Kanjal (Russia-SW)	43.57 N	42.83 E	2000	Fissure vent	Q
Unnamed (Russia-SW)	43.38 N*	43.02 E	3630	Volcanic field	P
Unnamed (Georgia)	41.35 N*	43.85 E	3100	Shield volcano	P
Unnamed (Armenia)	41.09 N*	43.80 E	3157	Volcanic field	P
Unnamed (Armenia)	40.46 N*	44.02 E	3300	Volcanic field	P
Unnamed (Armenia)	40.06 N*	45.61 E	3047	Volcanic field	P
Unnamed (Armenia)	39.67 N*	46.07 E	3548	Volcanic field	P

AFRICA & RED SEA

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Oyma (Ethiopia)	12.88 N	41.62 E	1041	Stratovolcano	P
Didolli (Ethiopia)	12.70 N	41.58 E	1191	Caldera	P
As-Ali (Ethiopia)	12.37 N	41.68 E	1322	Shield volcano	PM
Katahelu (Ethiopia)	12.58 N	41.45 E	1175	Cone	P
Alimelali (Ethiopia)	12.73 N	41.38 E	-	Cone	P
Dawa Ale-Quarry (Ethiopia)	12.75 N	41.00 E	-	Stratovolcano	P
Badi (Ethiopia)	12.38 N	40.35 E	-	Stratovolcano	P
Gad Elu (Ethiopia)	12.43 N	41.03 E	-	Stratovolcano	P
Ela (Ethiopia)	12.53 N	41.20 E	-	Stratovolcano	P
Asgura (Ethiopia)	11.75 N	40.90 E	-	Stratovolcano	P
Finini (Ethiopia)	11.98 N	41.35 E	-	Stratovolcano	P
Dalaha'ale (Ethiopia)	12.20 N	42.02 E	-	Stratovolcano	P
Data Gabalti (Ethiopia)	12.17 N	42.12 E	-	Stratovolcano	P
Egersuwa (Ethiopia)	12.47 N	42.18 E	-	Lava domes	P
Tiho (Djibouti)	11.53 N	42.05 E	500	Fumarole field	P
Garbes (Djibouti)	11.42 N	42.20 E	1000	Fumarole field	PT
Boina (Djibouti)	11.25 N	41.83 E	300	Fumarole field	PT
Zikwala (Ethiopia)	8.53 N	38.85 E	2989	Stratovolcano	P
Ch'llalo (Ethiopia)	7.92 N	39.27 E	4005	Stratovolcano	P
Gademota Caldera (Ethiopia)	7.88 N	38.60 E	2090	Caldera	P
Duguna (Ethiopia)	6.95 N	38.07 E	2205	Stratovolcano	P
Chew Bahir (Ethiopia)	4.47 N	36.87 E	600	Pyroclastic cones	Q
Porr (Africa-E)	2.90 N	36.55 E	-	Pyroclastic cone	Q
Kulal (Africa-E)	2.75 N	36.93 E	2285	Shield volcano	P
Asie (Africa-E)	2.97 N	37.10 E	1074	Shield volcano	P
Huri (Africa-E)	3.50 N	37.75 E	1300	Shield volcano	P
Bogoria (Africa-E)	0.25 N	36.08 E	-	Shield volcano	PT
Kilombe Caldera (Africa-E)	0.08 S	35.83 E	2550	Caldera	P?
Nyokie, Ol Doinyo (Africa-E)	1.80 S	36.38 E	1169	Tuff cone	P
Mosonik (Africa-E)	2.57 S	35.83 E	1770	Stratovolcano	P
Gelai (Africa-E)	2.60 S	36.10 E	2942	Shield volcano	P
Ketumbeine (Africa-E)	2.88 S	36.22 E	2942	Shield volcano	P
Kerimasi (Africa-E)	2.87 S	35.95 E	2600	Stratovolcano	P
Embagai (Africa-E)	2.92 S	35.83 E	3220	Caldera	Q
Loolmalasin (Africa-E)	3.00 S	35.83 E	3684	Unknown	P?
Olmoti (Africa-E)	3.00 S	35.65 E	3099	Caldera	Q
Lemagarut (Africa-E)	3.17 S	35.37 E	3132	Stratovolcano	PM
Sadiman (Africa-E)	3.18 S	35.42 E	2865	Stratovolcano	P?
Oldeani (Africa-E)	3.30 S	35.45 E	3215	Stratovolcano	PM
Ngorongoro (Africa-E)	3.17 S	35.57 E	2376	Caldera	P
Sultan Hamud-Simba (Africa-E)	2.12 S*	37.40 E	-	Volcanic field	P
Ngurdoto (Africa-E)	3.30 S	36.92 E	1835	Caldera	PM
Tarosero (Africa-E)	3.20 S	36.35 E	2106	Stratovolcano	PM
Burko (Africa-E)	3.30 S	36.22 E	2136	Stratovolcano	P
Essimingor (Africa-E)	3.38 S	36.08 E	2300	Stratovolcano	P
Kwaraha (Africa-E)	4.23 S	35.82 E	2415	Stratovolcano	P
Hanang (Africa-E)	4.43 S	35.40 E	3418	Stratovolcano	Q
Tukuyu (Africa-E)	9.25 S	33.63 E	1370	Shield volcano	PM
Katete (Africa-E)	9.10 S	33.75 E	2590	Stratovolcano	PM
Mikeno (Africa-C)	1.47 S	29.42 E	4437	Stratovolcano	P
Sabinyo (Africa-C)	1.38 S	29.58 E	3634	Stratovolcano	P
Unnamed (Africa-C)	2.67 S*	28.62 E	1460	Fissure vents	PM
Zoutpan (Africa-S)	25.42 S	28.08 E	1062	Pyroclastic cone	PM
Tin Taralle Volc Field (Africa-N)	18.27 N*	9.33 E	-	Volcanic field	P
Cap-Vert (Africa-N)	14.77 N	17.40 W	-	Volcanic field	P
In Teria Volc Field (Africa-N)	22.67 N*	8.95 E	-	Tuff rings	Q
Oulmès Volc Field (Africa-N)	33.33 N*	6.00 W	-	Volcanic field	P
Azrou Volc Field (Africa-N)	33.67 N*	5.17 W	1785	Volcanic field	Q
Rekkame Volc Field (Africa-N)	33.17 N*	3.33 W	1500	Explosion craters	P
Oujda Volc Field (Africa-N)	34.53 N*	3.30 W	700	Volcanic field	Q
Mrit-Ment Volc Field (Africa-N)	33.47 N*	2.97 W	700	Volcanic field	Q
Berguent Volc Field (Africa-N)	33.75 N*	2.40 W	1200	Lava domes	Q
Chott Tigri Volc Field (Africa-N)	32.92 N*	1.85 W	1388	Volcanic field	Q
Nemours-Nedroma (Africa-N)	35.07 N*	2.00 W	444	Volcanic field	P
Tafna Beni Saf (Africa-N)	35.28 N*	1.45 W	480	Volcanic field	P
Gharyan Volc Field (Africa-N)	31.70 N*	13.30 E	-	Stratovolcanoes	P
Chi, Tarso Emi (Africa-N)	21.22 N	18.52 E	2650	Volcanic field	Q
Ahon, Tarso (Africa-N)	21.40 N	18.30 E	3325	Volcanic field	Q
Gurgei (Africa-N)	13.83 N*	24.33 E	-	Volcanic field	PM
Tebel Umm Arafibia (Africa-N)	18.15 N	33.83 E	500	Stratovolcano	PM

MIDDLE EAST & INDIAN OCEAN

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Unnamed (Syria)	37.13 N	41.85 E	693	Cone	P
Unnamed (Syria)	35.63 N*	40.33 E	404	Cones	P
Unnamed (Syria)	35.82 N*	39.47 E	473	Cones	P
Unnamed (Syria)	36.67 N	38.33 E	-	Cone	Q
Unnamed (Israel)	33.13 N*	35.52 E	965	Cone	PM
Unnamed (Israel)	32.73 N*	35.32 E	300	Cone	PM
Unnamed (Syria)	34.02 N*	38.68 E	775	Cones	P
Unnamed (Syria)	33.75 N*	38.68 E	781	Cones	P
Unnamed (Jordan)	32.50 N*	37.50 E	1078	Volcanic field	P
Unnamed (Jordan)	31.37 N*	35.73 E	-	Volcanic field	PM
Unnamed (Jordan)	30.73 N*	35.75 E	-	Volcanic field	PM
Jabel-Jubeiq (Jordan)	29.55 N*	37.33 E	-	Volcanic field	PM
Unnamed (Jordan)	29.73 N*	37.97 E	-	Volcanic field	PM
Shamah (Arabia)	31.05 N*	38.42 E	813	Volcanic field	PM
Unnamed (Arabia)	26.02 N*	37.80 E	-	Cones	PM
Unnamed (Arabia)	26.05 N	38.67 E	-	Cones	PM
Hutaymah, Harrat (Arabia)	26.98 N*	42.40 E	-	Volcanic field	Q
Nawasif, Harrat (Arabia)	21.17 N*	42.00 E	-	Volcanic field	PM
Al-Hayloh, Jibal (Arabia)	18.52 N	42.03 E	-	Cone	Q
Hayil, Jibal (Arabia)	18.43 N*	41.63 E	381	Cones	Q
Akwah, Jibal (Arabia)	17.17 N*	42.82 E	-	Cones	Q
Unnamed (Iran)	39.37 N	44.58 E	-	Unknown	Q
Unnamed (Iran)	37.50 N	47.15 E	-	Unknown	Q
Bijar Volc Field (Iran)	36.58 N	47.75 E	-	Cinder cones	P

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Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Unnamed (Iran)	32.50 N	57.50 E	-	Unknown	Q
Unnamed (Iran)	31.15 N	57.50 E	-	Unknown	Q
Unnamed (Iran)	30.50 N	59.13 E	880	Unknown	PM
Dehaj-Meduk (Iran)	30.33 N	55.50 E	-	Volcanic field	Q
Shahsavaran (Iran)	28.17 N	59.10 E	-	Volcanic field	Q
Sultan (Pakistan)	29.10 N	62.80 E	2333	Volcanic field	P
Zardolou Group (Afghanistan)	33.25 N	67.92 E	3000	Lava domes	Q
Loman Volcano Group (Afghan.)	33.33 N	67.85 E	4559	Lava domes	Q
Wacht-i-Navar Group (Afghanistan)	33.78 N	67.83 E	3560	Lava domes	Q
Moheli Island (Indian O.-W)	12.30 S	43.72 E	790	Shield volcano	P
Anjouan Island (Indian O.-W)	12.20 S	44.45 E	1595	Shield volcano	P
Mayotte Island (Indian O.-W)	12.83 S	45.05 E	660	Shield volcano	P
Nieges, Piton des (Indian O.-W)	21.08 S	55.48 E	3070	Shield volcano	P
Mauritius (Indian O.-W)	20.32 S	57.65 E	826	Shield volcano	P
Rodriguez Island (Indian O.-W)	19.70 S	63.42 E	396	Shield volcano	P

NEW ZEALAND TO FIJI

Hautere (New Zealand)	46.55 S	166.90 E	330	Stratovolcano	P
South Auckland (New Zealand)	37.37 S	174.92 E	314	Shield volcanoes	P
Mokohinau Islands (New Zealand)	35.90 S	175.12 E	134	Volcanic field	P
Little Barrier (New Zealand)	36.20 S	175.12 E	722	Stratovolcano	P
Mercury Islands (New Zealand)	36.62 S	175.82 E	230	Volcanic field	P
Alderman Islands (New Zealand)	36.97 S	176.08 E	-	Lava domes	P?
South Coromandel Peninsula	37.25 S	175.78 E	795	Volcanic field	P
Kaimai (New Zealand)	37.80 S	176.22 E	564	Volcanic field	P?
Karioi (New Zealand)	37.87 S	174.80 E	756	Stratovolcano	P
Pirongia (New Zealand)	38.00 S	175.10 E	959	Stratovolcano	P
Kakepuku (New Zealand)	38.07 S	175.25 E	450	Lava cones	P
Kaitake (New Zealand)	39.17 S	173.97 E	684	Stratovolcano	P
Pouakai (New Zealand)	39.23 S	174.02 E	1399	Stratovolcano	P
Solander Island (New Zealand)	46.55 S	166.87 E	300	Stratovolcano	P
Rungapapa Knoll (New Zealand)	37.55 S	176.98 E	-	Submarine volc	Q
Whale Island (New Zealand)	37.86 S	176.98 E	354	Complex volcano	PT
Rotorua (New Zealand)	38.08 S	176.27 E	757	Caldera	PT
Kapenga (New Zealand)	38.27 S	176.27 E	840	Calderas	P
Mangakino (New Zealand)	38.35 S	175.75 E	1165	Caldera	P
Northern Tongariro Group (N. Z.)	38.98 S	175.70 E	1327	Stratovolcanoes	P
Rumble I (New Zealand)	35.50 S	178.88 E	-1100	Submarine volc	Q
Rose Island (Samoa-SW Pacific)	14.50 S	168.17 W	3	Shield volcano	P
Nairai (Fiji Is-SW Pacific)	17.80 S	179.42 E	335	Complex volcano	P
Waikama (Fiji Is-SW Pacific)	18.02 S	179.30 E	760	Complex volcano	P
Mago (Fiji Is-SW Pacific)	17.45 S	179.15 W	-	Scoria cones	P
Katafaga (Fiji Is-SW Pacific)	17.52 S	178.72 W	-	Unknown	P
Kabara (Fiji Is-SW Pacific)	18.95 S	178.95 W	-	Unknown	P

MELANESIA & AUSTRALIA

Vokeo (New Guinea-NE of)	3.20 S	144.10 E	609	Stratovolcano	P
Viai (New Guinea-NE of)	3.35 S	144.37 E	160	Stratovolcano	Q
Bagabag (New Guinea-NE of)	4.78 S	146.23 E	692	Stratovolcano	Q
Crown Island (New Guinea-NE of)	5.12 S	146.97 E	566	Stratovolcano	Q
Tolokiwa (New Guinea-NE of)	5.32 S	147.58 E	1372	Stratovolcano	Q
Tangi (New Britain-SW Pac)	5.67 S	148.40 E	1524	Stratovolcano	P
Unea (New Britain-SW Pac)	4.90 S	149.15 E	597	Caldera	Q
Narage (New Britain-SW Pac)	4.55 S	149.13 E	307	Stratovolcano	PT
Lotomgan Group (New Britain)	5.22 S	150.07 E	555	Pyroclastic cones	Q
Bangum (New Britain-SW Pac)	5.35 S	149.93 E	990	Stratovolcano	P
Du Faure (New Britain-SW Pac)	5.58 S	150.12 E	728	Stratovolcano	PM
Kimbe (New Britain-SW Pac)	5.21 S	150.38 E	80	Stratovolcano	PM
Wulai (New Britain-SW Pac)	5.36 S	150.48 E	20	Stratovolcano	PM
Oto Group (New Britain-SW Pac)	5.57 S	150.40 E	1314	Stratovolcanoes	P
Saddle Mount (New Britain-SW Pac)	5.47 S	150.76 E	200	Lava dome	PM
Likuruanga (New Britain-SW Pac)	4.95 S	151.38 E	922	Stratovolcano	P
Banban (New Britain-SW Pac)	4.90 S	151.05 E	1092	Stratovolcano	PM
Tavui (New Britain-SW Pac)	4.12 S	152.20 E	-18	Submarine volc	Q
Watom (New Britain-SW Pac)	4.12 S	152.07 E	341	Stratovolcano	PM
Kerewa (New Guinea)	6.02 S	143.15 E	3700	Stratovolcano	P
Sisa (New Guinea)	6.13 S	142.73 E	2650	Stratovolcano	P
Bosavi (New Guinea)	6.58 S	142.82 E	2397	Stratovolcano	P
Darai Hills (New Guinea)	6.80 S	143.08 E	500	Volcanic field	P
Biwau Hills (New Guinea)	7.32 S	143.28 E	400	Pyroclastic cones	P
Sugarloaf (New Guinea)	5.78 S	143.75 E	3900	Volcanic field	P
Hagen, Mt. (New Guinea)	5.77 S	144.03 E	3765	Stratovolcanoes	P
Giluwe, Mt. (New Guinea)	6.05 S	143.88 E	4368	Shield volcano	P
Ialibu, Mt. (New Guinea)	6.23 S	144.03 E	3465	Stratovolcano	P
Murray, Mt. (New Guinea)	6.75 S	144.02 E	2254	Stratovolcano	P
Suaru, Mt. (New Guinea)	6.25 S	144.83 E	2667	Stratovolcano	P
Karimui, Mt. (New Guinea)	6.57 S	144.77 E	2561	Stratovolcano	P
Duau, Mt. (New Guinea)	6.92 S	144.58 E	1850	Stratovolcano	P
Favenc, Mt. (New Guinea)	6.97 S	144.68 E	1583	Stratovolcano	P

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Aird Hills (New Guinea)	7.45 S	144.35 E	328	Lava domes	P
Trafalgar (New Guinea)	9.17 S	149.17 E	1726	Stratovolcano	P
Tabar (New Ireland-SW Pacific)	2.90 S	152.03 E	600	Stratovolcano	P
Tanga (New Ireland-SW Pacific)	3.50 S	153.22 E	472	Stratovolcano	PT
Emperor Range (Bougainville)	5.70 S	154.95 E	2040	Calderas	P
Numa Numa (Bougainville-SW Pac.)	6.02 S	155.19 E	1567	Stratovolcano	P
Bakanovi (Bougainville-SW Pacific)	6.15 S	155.35 E	600	Stratovolcano	P?
Nonda (Solomon Is-SW Pacific)	7.67 S	156.60 E	760	Stratovolcano	PT
Maetambe (Solomon Is-SW Pacific)	7.08 S	157.03 E	960	Unknown	P?
Kömboro (Solomon Is-SW Pacific)	7.33 S	157.53 E	610	Stratovolcano	PM
Laena (Solomon Is-SW Pacific)	7.33 S	157.60 E	-	Unknown	PM
Kolombangara (Solomon Is)	7.97 S	157.08 E	1760	Stratovolcano	P
Rendova (Solomon Is-SW Pacific)	8.47 S	157.33 E	1050	Stratovolcano	P
Mbaniata (Solomon Is-SW Pacific)	8.55 S	157.25 E	750	Stratovolcano	PM
Mase (Solomon Is-SW Pacific)	8.12 S	157.50 E	-	Unknown	PM
Raveti (Solomon Is-SW Pacific)	8.25 S	157.65 E	-	Unknown	PM
Kanekolo, Mt. (Solomon Is-SW Pac)	8.45 S	157.70 E	800	Unknown	PM
Mbareke (Solomon Is-SW Pacific)	8.55 S	158.07 E	500	Stratovolcano	P
Vangunu, Mt. (Solomon Is-SW Pac.)	8.67 S	158.00 E	1040	Stratovolcano	P
Nggatokae (Solomon Is-SW Pacific)	8.78 S	158.18 E	840	Stratovolcano	P
Mborokua (Solomon Is-SW Pacific)	9.03 S	158.75 E	360	Stratovolcano	PM
Utupua (Santa Cruz Is-SW Pacific)	11.30 S	166.53 E	-	Unknown	PM
Vanikolo (Santa Cruz Is-SW Pacific)	11.63 S	166.83 E	1000	Unknown	PM
Ureparapara (Vanuatu-SW Pacific)	13.53 S	167.32 E	764	Stratovolcano	P
Mota (Vanuatu-SW Pacific)	13.85 S	167.68 E	411	Stratovolcano	P
Merig (Vanuatu-SW Pacific)	14.32 S	167.80 E	-	Stratovolcano	P
Paama Island (Vanuatu-SW Pacific)	16.47 S	168.23 E	544	Complex volcano	P
Emae (Vanuatu-SW Pacific)	17.05 S	168.40 E	549	Complex volcano	P
Unnamed (Vanuatu-SW Pacific)	17.30 S	168.62 E	-	Submarine volc	Q
Fatmalapa (Vanuatu-SW Pacific)	17.57 S	168.37 E	500	Stratovolcanoes	P
William, Mt. (Vanuatu-SW Pacific)	18.70 S	169.08 E	886	Stratovolcano	P
Pumpan, Mt. (Vanuatu-SW Pacific)	18.85 S	169.12 E	802	Stratovolcano	P
Melkum, Mt. (Vanuatu-SW Pacific)	18.85 S	169.05 E	758	Stratovolcanoes	P
East Tanna Volcano (Vanuatu)	19.42 S	169.45 E	552	Stratovolcano	P
Maer Volc Province (Australia)	9.92 S	144.03 E	225	Pyroclastic cones	P
Piebald Volc Province (Australia)	15.23 S	145.03 E	420	Shield volcanoes	P
Mclean Volc Province (Australia)	15.87 S	144.83 E	610	Scoria cones	P
Atherton Volc Province (Australia)	17.30 S	145.72 E	1160	Shield volcanoes	P
McBride Volc Province (Australia)	18.33 S	144.55 E	1020	Shield volcanoes	P
Fox, Mt. (Australia)	18.85 S	145.80 E	840	Pyroclastic cone	P
Chudleigh Volc Province (Austr.)	19.73 S	144.20 E	1000	Shield volcanoes	P
Nulla Volc Province (Australia)	19.82 S	145.08 E	840	Shield volcanoes	P
Sturgeon Volc Province (Australia)	20.35 S	144.25 E	-	Shield volcanoes	P
Bundaberg-Boyne Province (Aus)	25.58 S	151.87 E	330	Pyroclastic cones	P

INDONESIA

Pulau Weh (Sumatra)	5.82 N	95.28 E	617	Stratovolcano	PT
Seulawah Inong (Sumatra)	5.43 N	95.77 E	730	Unknown	Q
Olim (Sumatra)	5.20 N	96.18 E	-	Fissure vents	P
Teu Minas (Sumatra)	5.17 N	96.43 E	-	Stratovolcano	P
Geureugoh (Sumatra)	5.15 N	96.67 E	-	Fissure vents	P
Meugeurinceng (Sumatra)	4.75 N	96.27 E	-	Fissure vents	P
Tudeuk, Gunung (Sumatra)	5.00 N	96.57 E	-	Lava dome	P
Nama Salah (Sumatra)	4.65 N	96.78 E	-	Unknown	P
Telago, Gunung (Sumatra)	4.47 N	96.82 E	1930	Unknown	P
Sembuang, Gunung (Sumatra)	4.62 N	97.42 E	-	Explosion crater	P
Geureudong (Sumatra)	4.81 N	96.82 E	2885	Stratovolcano	PT
Kembar (Sumatra)	3.85 N	97.66 E	2245	Shield volcano	PT
Bekulap (Sumatra)	3.28 N	98.37 E	-	Lava domes?	P
Siasar (Sumatra)	3.33 N	98.22 E	1610	Unknown	PM
Merubai (Sumatra)	3.33 N	98.40 E	1720	Unknown	PM
Takur-Takur (Sumatra)	3.25 N	98.63 E	-	Unknown	P
Tenaroh, Bukit (Sumatra)	3.12 N	98.63 E	-	Unknown	P
Simbolon (Sumatra)	3.02 N	98.90 E	1509	Stratovolcano	P
Panindi (Sumatra)	2.22 N	98.90 E	1627	Unknown	PM
Tolong (Sumatra)	1.97 N	98.80 E	1524	Unknown	PM
Helatoba-Tarutung (Sumatra)	2.03 N	98.93 E	1100	Fumarole field	PT
Sitarinda (Sumatra)	1.82 N	98.70 E	1617	Unknown	PM
Martimbang (Sumatra)	1.97 N	98.97 E	1680	Stratovolcano	P
Saut-Nagodang (Sumatra)	1.70 N	98.82 E	1804	Unknown	PM
Daung (Sumatra)	0.60 N	99.10 E	1784	Unknown	PM
Talu (Sumatra)	0.18 N	99.58 E	-	Unknown	PM
Gadang, Bukit (Sumatra)	0.05 N	99.80 E	2270	Stratovolcano	PM
Atar (Sumatra)	0.45 S	100.67 E	-	Unknown	PM
Melintang (Sumatra)	0.32 S	100.67 E	2262	Stratovolcano	Q
Maninjau (Sumatra)	0.35 S	100.20 E	1724	Caldera	P
Melalo, Bukit (Sumatra)	0.50 S	100.43 E	1375	Unknown	PM
Lantik (Sumatra)	0.67 S	100.47 E	1707	Unknown	PM
Gadut-Bungsu (Sumatra)	0.90 S	100.53 E	1859	Unknown	Q
Telor, Bukit (Sumatra)	1.23 S	103.62 E	38	Pyroclastic cone	P

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Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Butak, Bukit (Sumatra)	1.48 S	101.15 E	1250	Unknown	PM
Tujuh (Sumatra)	1.70 S	101.42 E	2732	Stratovolcano	Q
Runcing (Sumatra)	1.75 S	101.63 E	1835	Unknown	Q
Patah Sembilan-Pandan (Sumatra)	1.70 S	101.07 E	2591	Unknown	PM
Raja-Sabanda (Sumatra)	2.02 S	101.32 E	2550	Unknown	PM
Mesurai-Ulu Nino (Sumatra)	2.23 S	101.72 E	2900	Unknown	PM
Tungkat, Bukit (Sumatra)	2.22 S	101.82 E	1550	Unknown	PM
Kumbang (Sumatra)	2.50 S	101.87 E	2935	Stratovolcano	P
Pabus, Bukit (Sumatra)	2.87 S	102.42 E	1006	Unknown	PM
Ulu Palik, Bukit (Sumatra)	3.08 S	102.17 E	2493	Unknown	PM
Basak, Bukit (Sumatra)	3.13 S	102.28 E	1077	Unknown	PM
Cundung Kelam, Bukit (Sumatra)	3.05 S	102.45 E	-	Unknown	PM
Dingin, Bukit (Sumatra)	4.17 S	102.72 E	2020	Unknown	PM
Bepagut (Sumatra)	4.33 S	103.47 E	2550	Unknown	PM
Jambul, Bukit (Sumatra)	4.13 S	103.55 E	1856	Unknown	PM
Isau-Isau (Sumatra)	4.15 S	103.35 E	1431	Unknown	Q
Sumur Tinggi, Bukit (Sumatra)	4.00 S	103.60 E	1394	Unknown	PM
Nanti, Bukit (Sumatra)	4.20 S	103.85 E	1619	Unknown	Q
Ringgit, Bukit (Sumatra)	4.30 S	103.62 E	2129	Unknown	PM
Garanggarag, Bukit (Sumatra)	4.38 S	103.52 E	2406	Unknown	PM
Pandan I, Bukit (Sumatra)	4.58 S	103.52 E	1811	Unknown	PM
Pandan Ii, Bukit (Sumatra)	4.80 S	103.77 E	1678	Unknown	PM
Pugung (Sumatra)	4.98 S	103.85 E	1964	Unknown	PM
Raja (Sumatra)	4.83 S	104.08 E	1643	Unknown	P
Kukusan (Sumatra)	4.90 S	104.05 E	1402	Unknown	PM
Pesagi (Sumatra)	4.92 S	104.15 E	2232	Unknown	P
Punggur, Bukit (Sumatra)	4.82 S	104.37 E	1877	Unknown	PM
Benatan, Bukit (Sumatra)	4.95 S	104.45 E	1688	Unknown	PM
Rantai-Betung (Sumatra)	5.55 S	104.27 E	1602	Unknown	PM
Tanggamus (Sumatra)	5.42 S	104.67 E	2102	Stratovolcano	Q
Sukadana (Sumatra)	5.25 S	105.65 E	300	Shield volcano	P
Gede (Java)	5.93 S	106.07 E	595	Unknown	Q
Cibugis (Java)	6.50 S	106.57 E	613	Stratovolcano	Q
Kendeng (Java)	6.72 S	106.57 E	1370	Stratovolcano	Q
Endut (Java)	6.62 S	106.37 E	1297	Stratovolcano	P
Halimun (Java)	6.72 S	106.45 E	1929	Stratovolcano	P
Halimun (Java)	6.82 S	106.55 E	1750	Stratovolcano	P
Sanggabuana (Java)	6.58 S	107.22 E	1291	Stratovolcano	Q
Kancana (Java)	6.88 S	107.05 E	1233	Stratovolcano	P
Tilu (Java)	7.18 S	107.53 E	2040	Stratovolcano	P
Kancana (Java)	7.32 S	107.63 E	2182	Stratovolcano	Q
Mandalagiri (Java)	7.40 S	107.78 E	1831	Stratovolcano	Q
Cikuray (Java)	7.33 S	107.87 E	2821	Stratovolcano	Q
Kamojang, Kawah (Java)	7.13 S	107.80 E	1730	Stratovolcances	PT
Mandalawangi-Haruman (Java)	7.05 S	107.87 E	1663	Stratovolcano	Q
Kaledong-Haruman (Java)	7.05 S	107.92 E	1249	Lava domes	PM
Canlancang (Java)	6.97 S	107.95 E	1667	Unknown	Q
Sedakeling (Java)	7.12 S	108.03 E	1676	Stratovolcano	Q
Cakrabuana (Java)	7.03 S	108.13 E	1721	Stratovolcano	P
Sawal (Java)	7.18 S	108.27 E	1764	Stratovolcano	Q
Lasem (Java)	6.68 S	111.52 E	806	Stratovolcano	P
Selokaki (Java)	7.83 S	112.35 E	1083	Stratovolcano	Q
Argowayang (Java)	7.77 S	112.43 E	2198	Stratovolcano	Q
Ringgit (Java)	7.72 S	113.85 E	1250	Stratovolcano	P
Morbuk (Lesser Sunda Is)	8.25 S	114.65 E	1386	Unknown	Q
Patas (Lesser Sunda Is)	8.28 S	114.75 E	1414	Unknown	Q
Tambanan (Lesser Sunda Is)	8.33 S	114.95 E	2276	Unknown	Q
Seraja (Lesser Sunda Is)	8.37 S	115.67 E	1058	Unknown	Q
Punikan (Lesser Sunda Is)	8.47 S	116.13 E	1490	Unknown	Q
Lanteh, Batu (Lesser Sunda Is)	8.58 S	117.27 E	1276	Unknown	Q
Olet Takan (Lesser Sunda Is)	8.88 S	117.52 E	1400	Unknown	PM
Ramu, Doro (Lesser Sunda Is)	8.38 S	118.22 E	1128	Unknown	PM
Lambuwu, Doro (Lesser Sunda Is)	8.40 S	118.53 E	1678	Stratovolcano	Q
Maria, Doro (Lesser Sunda Is)	8.48 S	118.90 E	1484	Unknown	Q
Saboke, Doro (Lesser Sunda Is)	8.68 S	119.12 E	1000	Unknown	Q
Gilibanta (Lesser Sunda Is)	8.42 S	119.32 E	363	Stratovolcano?	Q
Otota, Doro (Lesser Sunda Is)	8.72 S	119.42 E	518	Unknown	Q
Ora, Doro (Lesser Sunda Is)	8.75 S	119.67 E	668	Unknown	Q
Beliling, Gunung (Lesser Sunda Is)	8.62 S	119.97 E	1153	Unknown	Q
Unnamed (Lesser Sunda Is)	8.72 S	120.35 E	2010	Unknown	PM
Unnamed (Lesser Sunda Is)	8.40 S	120.50 E	1084	Unknown	PM
Mere, Wai (Lesser Sunda Is)	8.63 S	120.95 E	1700	Unknown	PM
Lambo (Lesser Sunda Is)	8.67 S	121.30 E	2361	Unknown	PM
Delaki (Lesser Sunda Is)	8.50 S	122.12 E	1365	Unknown	PM
Mapi Group (Lesser Sunda Is)	8.60 S	122.35 E	1472	Unknown	PM
Wodong-Glaak (Lesser Sunda Is)	8.65 S	122.50 E	1492	Unknown	PM
Lewolaga (Lesser Sunda Is)	8.42 S	122.68 E	880	Unknown	PM
Iliberapun (Lesser Sunda Is)	8.53 S	122.92 E	705	Unknown	PM
Iliwaitami (Lesser Sunda Is)	8.47 S	122.98 E	890	Unknown	PM
Unnamed (Lesser Sunda Is)	8.45 S	123.02 E	880	Unknown	PM
Ilikedeka (Lesser Sunda Is)	8.30 S	122.90 E	871	Stratovolcano	PT
Lewobunga (Lesser Sunda Is)	8.15 S	122.92 E	811	Unknown	PM
Ilipasengdaeng (Lesser Sunda Is)	8.38 S	123.05 E	663	Unknown	PM
Ililawuung (Lesser Sunda Is)	8.45 S	123.12 E	880	Unknown	PM
Iliseburi (Lesser Sunda Is)	8.37 S	123.13 E	990	Unknown	PM
Unnamed (Lesser Sunda Is)	8.42 S	123.30 E	813	Unknown	PM
Iliminggar (Lesser Sunda Is)	8.50 S	123.32 E	1020	Stratovolcano	PM
Unnamed (Lesser Sunda Is)	8.37 S	123.75 E	738	Unknown	PM
Ilikedang (Lesser Sunda Is)	8.22 S	123.80 E	1533	Unknown	PM
Telagapui (Lesser Sunda Is)	8.22 S	125.02 E	1765	Unknown	PM
Tenagatu Humun (Lesser Sunda Is)	7.82 S	126.03 E	1396	Unknown	PM
Unnamed (Lesser Sunda Is)	7.70 S	126.58 E	1418	Unknown	PM
Lompobatang (Sulawesi-Indonesia)	5.35 S	119.92 E	2871	Stratovolcano	Q
Laposo (Sulawesi-Indonesia)	4.37 S	119.80 E	1395	Stratovolcano	Q
Rantemario-Latimojong (Sulawesi)	3.37 S	120.08 E	3440	Stratovolcanoes	Q
Ogoamas (Sulawesi-Indonesia)	0.67 S	120.20 E	2565	Unknown	Q
Sidole (Sulawesi-Indonesia)	0.48 S	119.88 E	2195	Unknown	Q
Maling (Sulawesi-Indonesia)	0.25 N	120.80 E	2707	Unknown	Q
Tentolomatinan (Sulawesi)	0.93 N	121.75 E	2207	Unknown	Q
Nunuka (Sulawesi-Indonesia)	0.38 N	123.77 E	1606	Unknown	Q
Hamiding (Halmahera-Indonesia)	1.62 N	127.82 E	1204	Unknown	Q
Mostyn (New Guinea-W)	4.60 N	118.18 E	-	Fissure vents?	Q
Quoin Hill (New Guinea-W)	4.40 N	118.03 E	539	Cone	Q
Usun Apau Plateau (New Guinea)	2.75 N	114.67 E	-	Unknown	Q
Linau-Balui Plateau (New Guinea)	2.35 N	114.10 E	-	Unknown	Q
Kajang Plateau, Bukit (N Guinea)	2.33 N	113.67 E	-	Unknown	Q
Nuit, Mt. (New Guinea-W)	1.02 N	109.93 E	1701	Unknown	Q

PHILIPPINES & SE ASIA

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Blit (Mindanao-Philippines)	6.96 N	124.23 E	1198	Unknown	P
Quezon (Mindanao-Philippines)	6.58 N	124.62 E	652	Lava domes	P
Kitabud (Mindanao-Philippines)	7.29 N	124.66 E	1167	Unknown	P
Imbing (Mindanao-Philippines)	7.68 N	123.23 E	700	Stratovolcanoes	P
Kaladis (Mindanao-Philippines)	7.58 N	122.97 E	-	Stratovolcano	P
Ampiro (Mindanao-Philippines)	8.39 N	123.63 E	1532	Stratovolcano?	Q
Pana-on (Philippines-C)	9.95 N	125.27 E	-	Unknown	P
Silago (Philippines-C)	10.50 N	125.17 E	-	Unknown	P
Cancajanag (Philippines-C)	11.07 N	124.78 E	900	Lava domes	Q
Alto (Philippines-C)	11.11 N	124.75 E	1350	Compound volc	P
Maripipi (Philippines-C)	11.80 N	124.33 E	924	Unknown	Q
Gate Mountains (Luzon-Philippines)	12.60 N	124.00 E	559	Unknown	P
Malinao (Luzon-Philippines)	13.42 N	123.61 E	1548	Stratovolcano	PT
Sangay (Luzon-Philippines)	13.52 N	123.53 E	-	Unknown	P
Cone-Culasi (Luzon-Philippines)	13.92 N	123.02 E	959	Volcanic field	P
Labo (Luzon-Philippines)	14.02 N	122.79 E	1544	Compound volc	PT
Dagit-Dagitan (Luzon-Philippines)	13.53 N	121.08 E	364	Stratovolcano	P
Panay (Luzon-Philippines)	13.72 N	120.89 E	501	Stratovolcano	PT
Malepunyo (Luzon-Philippines)	14.95 N	121.23 E	963	Stratovolcano	P
Anilao Hill (Luzon-Philippines)	13.90 N	121.18 E	358	Scoria cone	P
Cariliao (Luzon-Philippines)	14.13 N	120.75 E	656	Stratovolcano	P
Corregidor (Luzon-Philippines)	14.40 N	120.58 E	173	Caldera	P
Matarem (Luzon-N of)	20.38 N	121.93 E	459	Compound volc	P
Gaojianshi (SE Asia)	17.00 N	112.50 E	-	Unknown	Q
Weizhoudao (SE Asia)	21.05 N	109.13 E	-	Shield volcano	P?
Unnamed (SE Asia)	19.45 N	105.53 E	-	Cone	P
Unnamed (SE Asia)	19.32 N	105.53 E	-	Cone	P
Vinkh-Linkh (SE Asia)	17.08 N	107.05 E	-	Cone	P
Ban Chay (SE Asia)	14.00 N	107.50 E	-	Unknown	P
Pleiku-Bantour Volc Field	13.85 N	108.10 E	1028	Cones	P
Darlac Volc Field (SE Asia)	12.88 N	108.20 E	-	Cones	P
Bas Song Be (SE Asia)	11.67 N	106.67 E	-	Volcanic field	P
Pailin (SE Asia)	12.90 N	102.60 E	-	Unknown	P
Cham (SE Asia)	12.10 N	105.60 E	-	Unknown	P
Chup (SE Asia)	11.90 N	105.82 E	-	Unknown	P
Snoul (SE Asia)	12.10 N	106.40 E	-	Unknown	P
Haut Song Be (SE Asia)	12.05 N	107.25 E	-	Volcanic field	P
Bokeo Volc Field (SE Asia)	13.50 N	107.20 E	500	Scoria cones	Q
Plateau des Bolovens (SE Asia)	15.00 N	106.30 E	-	Fissure vents	P
Buriram (SE Asia)	15.00 N	103.00 E	-	Unknown	P
Chanthaburi (SE Asia)	12.50 N	102.20 E	-	Unknown	P
Lampang (SE Asia)	18.30 N	99.60 E	-	Unknown	P
Ban Chiang Khian (SE Asia)	19.80 N	100.00 E	-	Unknown	P
Ban Hui Sai (SE Asia)	20.30 N	100.30 E	-	Unknown	P
Kuantan (SE Asia)	3.90 N	103.40 E	-	Volcanic field	P
Medaw Island (SE Asia)	11.72 N	98.67 E	115	Fissure vents	P
Thaton (SE Asia)	17.42 N	96.95 E	30	Fissure vents	P?
Sonetaung (SE Asia)	21.53 N	95.10 E	270	Unknown	PM
Loi Han Hun (SE Asia)	22.48 N	97.98 E	1100	Lava dome	P
Wuntho (SE Asia)	23.83 N	95.50 E	-	Unknown	PM
Namyong (SE Asia)	25.68 N	96.43 E	508	Fissure vents	P
Loiyme, Mt. (SE Asia)	26.00 N	96.50 E	1561	Lava dome	PM

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Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Longhai (China-E)	24.50 N	117.50 E	-	Unknown	Q
Jianghui Group (China-E)	31.95 N	118.95 E	-	Cinder cone	P
Nushan (China-E)	33.12 N	118.75 E	-	Cone	P
Yichuan (China-E)	34.00 N	113.00 E	-	Volcanic field	Q
Tangy'n (China-E)	35.25 N	114.50 E	-	Unknown	Q
Huixian (China-E)	36.00 N	115.25 E	-	Unknown	Q
Taian (China-E)	36.50 N	119.00 E	-	Unknown	Q
Linqu (China-E)	26.50 N	120.00 E	-	Unknown	Q
Jimo (China-E)	36.75 N	121.00 E	-	Unknown	Q
Penglai (China-E)	37.75 N	120.75 E	-	Unknown	Q
Heibei Plain (China-E)	38.00 N	117.50 E	-	Unknown	Q
Unnamed (China-E)	37.00 N	114.50 E	-	Unknown	Q
Taihangshanlu (China-E)	38.00 N	113.75 E	-	Unknown	Q
Unnamed (China-E)	38.75 N	115.00 E	-	Unknown	Q
Unnamed (China-E)	39.25 N	113.52 E	-	Unknown	Q
Datong-Fengzen (China-E)	40.00 N	113.28 E	1882	Volcanic field	P
Unnamed (China-E)	40.75 N	112.67 E	-	Cones	P
Unnamed (China-E)	40.75 N	113.12 E	-	Cinder cones	P
Chifeng (China-E)	42.25 N	118.50 E	-	Unknown	Q
Dalainuoer (China-E)	44.00 N	115.50 E	-	Cinder cones	P
Motianling Group (China-E)	47.58 N	121.28 E	300	Volcanic field	Q
Baerqian (China-E)	48.00 N	119.80 E	-	Stratovolcano?	P
Shatu (China-E)	49.08 N	123.67 E	845	Cinder cones	Q
Gankui Group (China-E)	49.63 N	124.58 E	450	Volcanic field	Q
Jiacong (China-E)	49.83 N	126.83 E	750	Shield volcano	P
Yijiashan (China-E)	49.70 N	127.67 E	350	Cone	PM
Jianshan (China-E)	48.45 N	125.67 E	400	Shield volcano	Q
Erkeshan (China-E)	48.08 N	126.30 E	450	Shield volcano	P
Sung-Hua-Chiang (China-E)	47.00 N	131.00 E	-	Lava domes	Q
Unnamed (China-E)	45.00 N	130.50 E	-	Volcanic field	PM
Unnamed (China-E)	44.00 N	131.00 E	-	Volcanic field	Q
Dabingshan (China-E)	44.33 N	129.83 E	1145	Shield volcano	PM
Unnamed (China-E)	43.58 N	131.08 E	800	Shield volcanoes	PM
Unnamed (China-E)	43.50 N	129.50 E	-	Volcanic field	PM
Dunhua (China-E)	43.25 N	128.00 E	-	Unknown	Q
Yitong Group (China-E)	43.33 N	125.25 E	389	Lava domes	Q
Fanjiatung Group (China-E)	43.75 N	125.17 E	283	Cones	Q
Kuandian (China-E)	40.75 N	124.67 E	513	Pyroclastic cones	Q
Wantianfeng (China-E)	41.75 N	127.83 E	2260	Shield volcano	PM
Unnamed (China-E)	42.25 N	127.92 E	1500	Cinder cones	PM
Kilchu-Myongch'on (Korea)	41.00 N	129.70 E	-	Volcanic field	P
Koksan-Singye (Korea)	38.67 N	127.42 E	680	Shield volcano	P

ALASKA

Adagdak (Aleutian Is)	51.99 N	176.59 W	610	Stratovolcano	PT
Table Top (Aleutian Is)	53.97 N	166.68 W	792	Cinder cone	P
Wide Bay (Aleutian Is)	53.96 N	166.62 W	640	Cinder cone	P
Gilbert, Mt. (Aleutian Is)	54.25 N	165.65 W	818	Stratovolcano	P
Morzhovoi (Alaska Peninsula)	55.00 N	162.82 W	893	Stratovolcano	P
Trader Mountain (Alaska Peninsula)	55.54 N	161.95 W	802	Stratovolcano	P
Stepovak Bay 1 (Alaska Peninsula)	55.87 N	160.10 W	1320	Stratovolcano	P
Blue Mountain (Alaska Peninsula)	57.72 N	157.83 W	541	Lava domes	P
Gertrude Creek (Alaska Peninsula)	58.04 N	156.14 W	437	Scoria cone	P
Devils Desk (Alaska Peninsula)	58.47 N	154.31 W	1955	Stratovolcano	P
Savonovski River Cluster (Alaska)	58.55 N	154.50 W	1298	Stratovolcanoes	P
Double Glacier (Alaska-SW)	60.68 N	152.62 W	1239	Lava domes	P
St. George (Alaska-W)	56.58 N	169.58 W	288	Volcanic field	P
Otter Island (Alaska-W)	57.05 N	170.40 W	87	Unknown	P
Walrus Island (Alaska-W)	57.18 N	169.93 W	0	Unknown	P
Togiak Valley (Alaska-W)	59.20 N	160.08 W	300	Volcanic field	P
Kinia River (Alaska-W)	60.15 N	164.27 W	500	Cinder cones	PM
Ingrichuak Hills (Alaska-W)	62.22 N	164.30 W	188	Cinder cones	P
Selawik Hills (Alaska-W)	66.03 N	161.18 W	365	Cinder cones	P
Espenberg (Alaska-W)	66.35 N	164.33 W	243	Volcanic field	P
Jumbo Dome (Alaska-W)	63.97 N	148.69 W	1369	Lava dome	P
Prindle (Alaska-E)	63.72 N	141.62 W	1250	Cinder cone	P
Capital (Alaska-E)	62.43 N	144.12 W	2356	Shield volcano	P
Drum (Alaska-E)	62.12 N	144.63 W	3661	Stratovolcano	P
Tanada (Alaska-E)	62.30 N	143.52 W	2816	Shield volcano	P
Jarvis (Alaska-E)	62.03 N	143.62 W	4091	Unknown	P
Basalt Knob (Alaska-E)	58.03 N	136.33 W	100	Cone	Q

CANADA & WESTERN USA

Rabbit Mountain (Canada)	61.88 N	140.97 W	1990	Unknown	P
Kawdy Metah (Canada)	59.02 N	131.15 W	1950	Volcanic field	P
Dark Mountain (Canada)	58.52 N	129.60 W	1972	Volcanic field	P
Klastline Group (Canada)	57.88 N	130.20 W	1980	Cinder cones	P
Hogum Range (Canada)	56.15 N	126.70 W	2020	Volcanic field	P
Alice Arm (Canada)	55.43 N	129.37 W	-	Volcanic field	P
Itcha Range (Canada)	52.70 N	124.85 W	2368	Shield volcano	P
Quesnel Cone Group (Canada)	52.50 N	121.17 W	900	Pyroclastic cones	Q
Chilcotin Group-North (Canada)	51.45 N	122.33 W	1800	Volcanic field	P
Cayley, Mt. (Canada)	50.12 N	123.28 W	2375	Stratovolcano	P
Squamish (Canada)	49.65 N	123.22 W	790	Volcanic field	P
Chilcotin Group-South (Canada)	50.15 N	119.62 W	2100	Volcanic field	P
Tumac Mountain (US-Washington)	46.71 N	121.35 W	1932	Cinder cone	P
Goat Rocks (US-Washington)	46.50 N	121.40 W	2494	Stratovolcano	P
Marble Mountain (US-Washington)	46.11 N	122.13 W	1255	Shield volcano	P
Simcoe (US-Washington)	46.10 N	120.90 W	1775	Volcanic field	P
Boring Lava (US-Oregon)	45.30 N	122.50 W	1236	Volcanic field	P
Defiance (US-Oregon)	45.65 N	121.72 W	1512	Shield volcano	P
Lost Lake Butte (US-Oregon)	45.50 N	121.80 W	1362	Shield volcano	P
Wilson (US-Oregon)	45.07 N	121.66 W	1707	Shield volcanoes	P
Olallie Butte (US-Oregon)	44.82 N	121.75 W	2199	Shield volcanoes	P
Three Fingered Jack (US-Oregon)	44.48 N	121.84 W	2390	Shield volcanoes	P
Black Butte (US-Oregon)	44.40 N	121.63 W	1962	Stratovolcano	P
Washington (US-Oregon)	44.33 N	121.84 W	2376	Shield volcano	P
Black Crater (US-Oregon)	44.27 N	121.75 W	2210	Shield volcanoes	P
Scott Mountain (US-Oregon)	44.24 N	121.92 W	1864	Shield volcano	P
Tumalo (US-Oregon)	44.10 N	121.54 W	1955	Lava domes	P
Broken Top (US-Oregon)	44.08 N	121.70 W	2797	Stratovolcano	P
Williamson Mountain (US-Oregon)	43.92 N	121.83 W	1921	Shield volcanoes	P
Irish Mountain (US-Oregon)	43.85 N	121.98 W	2101	Shield volcano	P
Taylor Butte (US-Oregon)	43.81 N	122.02 W	1775	Shield volcano	P
Cultus Mountain (US-Oregon)	43.82 N	121.87 W	2060	Shield volcano	P
Wuksi Butte-Twin Lakes	43.77 N	121.77 W	1590	Volcanic field	P
Cupit Mary Mountain (US-Oregon)	43.73 N	122.11 W	1879	Shield volcano	P
Fuji Mountain (US-Oregon)	43.66 N	122.10 W	2177	Shield volcanoes	P
Maiden Peak (US-Oregon)	43.63 N	121.97 W	2383	Shield volcanoes	P
Red Top Mountain (US-Oregon)	43.51 N	122.03 W	2118	Shield volcanoes	P
Cowhorn Mountain (US-Oregon)	43.40 N	122.05 E	2336	Shield volcanoes	P
Cappy Mountain (US-Oregon)	43.31 N	121.98 W	2253	Stratovolcano	P
China Hat-East Butte (US-Oregon)	43.68 N	121.03 W	2004	Lava domes	P
Quartz Mountain (US-Oregon)	43.63 N	120.90 W	1885	Lava dome	P
Fort Rock Volc Field (US-Oregon)	43.32 N	120.83 W	1431	Maars	P
Diamond Peak (US-Oregon)	43.52 N	122.15 W	2665	Shield volcano	P
Thielsen (US-Oregon)	43.15 N	122.07 W	2799	Shield volcano	P
Bailey (US-Oregon)	43.16 N	122.22 W	2551	Shield volcano	P
Goosenest (US-Oregon)	42.79 N	122.15 W	2213	Shield volcano	P
Big Bunchgrass (US-Oregon)	42.70 N	122.19 W	2024	Pyroclastic cone	P
Imagination Peak (US-Oregon)	42.55 N	122.20 W	1986	Pyroclastic cone	P
Sprague River Valley (US-Oregon)	42.50 N	121.50 W	1300	Shield volcanoes	P
Pelican Butte (US-Oregon)	42.52 N	122.13 W	2449	Shield volcano	P
McLoughlin (US-Oregon)	42.45 N	122.32 W	2894	Stratovolcano	P
Brown Mountain (US-Oregon)	42.37 N	122.27 W	2228	Shield volcano	P
Mountain Lakes (US-Oregon)	42.32 N	122.08 W	2502	Volcanic field	Q
Silver Creek (US-Oregon)	43.40 N	119.50 W	1375	Volcanic field	P?
Saddle Butte (US-Oregon)	43.00 N	117.80 W	1700	Volcanic field	P
Lava Butte (US-Oregon)	43.00 N	117.42 W	1447	Shield volcanoes	P
Jackies Butte (US-Oregon)	42.61 N	117.59 W	1418	Volcanic field	Q
Copco Lake (US-California)	41.97 N	122.33 W	975	Cinder cones	P
Goosenest (US-California)	41.72 N	122.22 W	2528	Shield volcano	P
Whaleback (US-California)	41.53 N	122.14 W	2605	Shield volcano	P
Rainbow Mountain (US-California)	41.47 N	121.96 W	2323	Stratovolcano	P
Hackamore (US-California)	41.67 N	121.17 E	-	Volcanic field	P
Big Cave (US-California)	40.96 N	121.37 W	1259	Shield volcano	P
Cinder Butte (US-California)	40.87 N	121.49 W	1337	Shield volcano	P
Burney Mountain (US-California)	40.81 N	121.63 W	2397	Lava domes	P
Snow Mountain (US-California)	40.76 N	121.80 W	2077	Stratovolcano	P
Magee Peak (US-California)	40.70 N	121.62 W	2647	Stratovolcano	P
Blacks Mountain (US-California)	40.78 N	121.19 W	2220	Shield volcano	P
Potato Butte (US-California)	40.63 N	121.43 W	1532	Shield volcanoes	P
Latour Butte (US-California)	40.61 N	121.71 W	2054	Lava cone	P
Caribou (US-California)	40.60 N	121.15 W	2309	Volcanic field	P
Red Lake Mountain (US-California)	40.57 N	121.59 E	2036	Cinder cone	P
Table Mountain (US-California)	40.56 N	121.55 W	2097	Stratovolcano	P
Black Butte (US-California)	40.45 N	122.00 W	813	Pyroclastic cone	P
Dittmar (US-California)	40.45 N	121.35 W	2328	Stratovolcano	P
Sifford Mountain (US-California)	40.42 N	121.41 W	2149	Shield volcano	P
Maidu (US-California)	40.30 N	121.62 W	2123	Stratovolcano	P
Inskip Hill (US-California)	40.34 N	121.94 W	945	Pyroclastic cones	P
Sutter Buttes (US-California)	39.21 N	121.82 E	645	Lava domes	P
Long Valley (US-California)	37.70 N	118.87 W	3390	Caldera	PT
Big Pine Volc Field (US-California)	37.05 N	118.25 W	1950	Cinder cones	P
Lava Mountains Volc Field (Calif.)	35.50 N	117.50 W	1510	Lava domes	P?
Cima Lava Field (US-California)	35.27 N	115.75 W	1509	Volcanic field	P
Amboy (US-California)	34.55 N	115.78 W	288	Cinder cone	P
Pinto Basin-Salton Creek (Calif.)	33.90 N	115.63 W	600	Volcanic field	P
Sinker Butte (US-Idaho)	43.25 N	116.62 W	-	Shield volcano	P
Kuna Butte (US-Idaho)	43.20 N	115.98 W	1040	Cinder cones	P

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Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Grande, Cerro (US-Idaho)	43.45 N	112.83 W	-	Fissure vents	P
Blackfoot Lava Field (US-Idaho)	42.85 N	111.75 W	2185	Cinder cones	P
Menan Buttes (US-Idaho)	43.78 N	111.97 W	1713	Tuff cones	P
Red Rock Valley (US-Montana)	44.80 N	112.70 W	-	Stratovolcano	P
Emigrant Valley (US-Montana)	45.40 N	110.70 W	-	Unknown	P
Leucite Hills (US-Wyoming)	41.80 N	108.90 W	-	Volcanic field	P
Sheldon-Antelope (US-Nevada)	41.80 N	119.10 W	-	Volcanic field	Q
Buffalo Valley (US-Nevada)	40.35 N	117.30 W	1750	Volcanic field	P
Steamboat Springs (US-Nevada)	39.38 N	119.72 W	1415	Lava domes	PT
Aurora-Bodie (US-Nevada)	38.32 N	118.88 W	2365	Volcanic field	P
Lunar Crater Field (US-Nevada)	38.48 N	115.97 W	2255	Cinder cones	P
Clayton Valley (US-Nevada)	37.82 N	117.62 W	1490	Cinder cone	P
Crater Flat (US-Nevada)	36.77 N	116.55 W	1128	Volcanic field	P
Erie (US-Nevada)	35.90 N	115.20 W	-	Cinder cones	P?
Kolob (US-Utah)	37.33 N	113.12 W	2727	Volcanic field	P
Mineral Mts-Cove Fort (US-Utah)	38.58 N	112.67 W	2770	Volcanic field	P
Smelter Knolls (US-Utah)	39.43 N	112.86 W	1555	Lava domes	P
Fumarole Butte (US-Utah)	39.62 N	112.80 W	1609	Shield volcano	P
Willow Peak (US-Colorado)	39.67 N	107.17 W	3054	Cinder cone	Q
McCoy (US-Colorado)	39.97 N	106.70 W	2402	Scoria cones	P
San Francisco Volc Field (Ariz.)	35.30 N	111.72 W	3846	Stratovolcanoes	P
Sentinel Plain (US-Arizona)	32.80 N	113.20 W	160	Volcanic field	P
Springerville (US-Arizona)	33.88 N	109.75 W	3100	Volcanic field	P
San Carlos (US-Arizona)	33.25 N	110.25 W	1000	Volcanic field	P
Geronimo (US-Arizona)	32.50 N	109.25 W	1300	Volcanic field	P
Potrillo Volc Field (New Mexico)	31.98 N	107.13 W	1695	Cinder cones	P
Jornada del Muerto (New Mexico)	33.53 N	106.87 W	1555	Shield volcano	P
Red Hill (US-New Mexico)	34.25 N	108.83 W	2300	Volcanic field	P
Lucero (US-New Mexico)	34.42 N	107.20 W	2395	Volcanic field	P
Taylor Volc Field (US-New Mexico)	35.33 N	107.45 W	3460	Stratovolcano	P
Cat Hills (US-New Mexico)	34.83 N	106.83 W	1750	Volcanic field	P
Albuquerque (US-New Mexico)	35.12 N	106.75 W	1800	Volcanic field	P
Valles Caldera (US-New Mexico)	35.87 N	106.57 W	3430	Caldera	PT
Taos Plateau (US-New Mexico)	36.83 N	105.83 W	3087	Volcanic field	P
Ocate (US-New Mexico)	36.12 N	104.75 W	3000	Volcanic field	P
Raton-Clayton (US-New Mexico)	36.42 N	104.08 W	3350	Volcanic field	P

HAWAII & PACIFIC OCEAN

Kohala (Hawaiian Is)	20.08 N	155.72 W	1668	Shield volcano	P
Kahoolawe (Hawaiian Is)	20.57 N	156.57 W	450	Shield volcano	P
Mahukona (Hawaiian Is)	20.17 N	156.42 E	-1080	Submarine volc	P
West Maui (Hawaiian Is)	20.88 N	156.60 W	1764	Shield volcano	P
Lanai (Hawaiian Is)	20.82 N	156.85 W	1021	Shield volcano	P
East Molokai (Hawaiian Is)	21.12 N	156.87 W	1506	Shield volcano	P
West Molokai (Hawaiian Is)	21.15 N	157.17 W	418	Shield volcano	P
Koolau (Hawaiian Is)	21.37 N	157.80 W	941	Shield volcano	P
Waianae (Hawaiian Is)	21.52 N	158.15 W	1220	Shield volcano	P
Kauai (Hawaiian Is)	22.07 N	159.50 W	1668	Shield volcano	P
Niihau (Hawaiian Is)	21.95 N	160.08 W	390	Shield volcano	P
Kaula (Hawaiian Is)	21.67 N	160.55 W	194	Shield volcano	P
Hiva Oa (Pacific-C)	9.78 S	139.03 W	1067	Shield volcano	P
Fatu Hiva (Pacific-C)	10.47 S	138.65 W	955	Shield volcano	P
Moorea (Pacific-C)	17.50 S	149.83 W	1207	Shield volcano	P
Tahiti-Nui (Pacific-C)	17.63 S	149.48 W	2241	Shield volcano	P
Tahiti-Iti (Pacific-C)	17.82 S	149.22 W	1306	Shield volcano	P
Aitutaki (Pacific-C)	18.90 S	159.77 W	124	Shield volcano	P
Rarotonga (Pacific-C)	21.23 S	159.75 W	639	Shield volcano	P
Rurutu (Pacific-C)	22.45 S	151.35 W	394	Shield volcano	P
Pitcairn (Pacific-C)	24.07 S	130.12 W	347	Shield volcano	P
Clipperton Island (Pacific-E)	10.33 N	109.22 W	29	Lava dome	PM

MÉXICO & CENTRAL AMERICA

León, Cerro (México)	30.23 N	114.66 W	280	Cone	P
San Ignacio Volc Field (México)	27.60 N	113.17 W	-	Volcanic field	P
Aguajito, El (México)	27.60 N	112.53 W	1300	Caldera	PT
Reforma, La (México)	27.51 N	112.39 W	1300	Caldera	P
Púlpito, Punta (México)	26.52 N	111.48 W	-	Lava dome	PT
Mencenares, Cerro (México)	26.28 N	111.47 W	790	Lava domes	P
Moctezuma Volc Field (México)	29.63 N	109.52 W	-	Volcanic field	P
Camargo Volc Field (México)	27.75 N	104.42 W	1900	Cinder cones	P
Aldama Volc Field (México)	23.20 N	98.02 W	600	Volcanic field	Q
Flores, Los (México)	22.58 N	99.38 W	520	Volcanic field	Q
Santo Domingo Volc Field (Méx.)	22.83 N	100.08 W	1550	Maars	P
Ventura Volc Field (México)	22.35 N	100.70 W	2035	Maars	P
San Juan (México)	21.47 N	104.97 W	2240	Stratovolcanoes	P
Navajas, Las (México)	21.53 N	104.73 W	1680	Shield volcano	P
Santa María del Oro (México)	21.37 N	104.57 W	1120	Maar	P
Tepetiltic (México)	21.27 N	104.70 W	2020	Stratovolcano	P
San Pedro (México)	21.17 N	104.73 W	2000	Caldera	P
San Sebastián Volc Field (México)	20.83 N	104.82 W	1780	Cinder cones	P
Volcanes, Los (México)	20.33 N	104.50 W	2080	Volcanic field	P
Northern Atenguillo (México)	20.75 N	104.50 W	1700	Shield volcanoes	P
Tequila (México)	20.79 N	103.85 W	2920	Stratovolcano	P
Northern Guadalajara Mesa	20.88 N	103.40 W	1820	Lava domes	P
Primavera, Sierra la (México)	20.62 N	103.52 W	2270	Caldera	PT
Southern Guadalajara (México)	20.53 N	103.24 W	2160	Volcanic field	P
Acatlán Volc Field (México)	20.45 N	103.57 W	1990	Caldera	P
Cántaro, Volcán el (México)	19.72 N	103.63 W	2920	Stratovolcano	P
Azufres, Los (México)	19.85 N	100.63 W	3400	Caldera	PT
Apan-Tezontepec (México)	19.75 N	98.50 W	3100	Volcanic field	Q
Tláloc (México)	19.41 N	98.71 W	4120	Stratovolcano	P
Telapón (México)	19.37 N	98.72 W	4080	Stratovolcano	P
Acoculco (México)	19.97 N	98.20 W	3020	Caldera	P
Grande, Cerro (México)	19.62 N	97.93 W	3050	Volcanic field	P
Poza Rica (México)	20.42 N	97.83 E	2250	Volcanic field	P
San Martín Pajapan (México)	18.30 N	94.73 W	1250	Stratovolcanoes	P
Apas-Navenchauc (México)	16.72 N	92.79 W	-	Calderas	P
Huitepec (México)	16.76 N	92.69 W	-	Lava dome	P
Mispia (México)	16.45 N	92.54 W	1750	Lava domes	P
Siete Orejas (Guatemala)	14.82 N	91.62 W	3370	Stratovolcano	Q
Santo Tomás (Guatemala)	14.71 N	91.48 W	3542	Stratovolcanoes	PT
Cuxliquel (Guatemala)	14.88 N	91.40 W	3004	Lava domes	P
San Pedro (Guatemala)	14.66 N	91.27 W	3020	Stratovolcano	Q
Barahona (Guatemala)	14.55 N	90.78 W	2282	Calderas	P
Pueblo Nuevo Viñas (Guatemala)	14.20 N	90.50 W	1955	Stratovolcano	P
Piedra Grande (Guatemala)	14.25 N	90.40 W	1640	Stratovolcanoes	P
Ixhuatán (Guatemala)	14.17 N	90.23 W	1718	Complex volcano	P
Ayarza (Guatemala)	14.42 N	90.12 W	1409	Calderas	P
Alutate, Cerro (Guatemala)	14.65 N	90.14 W	2116	Stratovolcano	P
Jumay Volc Field (Guatemala)	14.70 N	90.00 W	2176	Stratovolcano	Q
Ananopa, Cerro (Guatemala)	14.90 N	89.93 W	386	Volcanic field	Q
Güistepeque Volc Field (Guate.)	14.57 N	89.78 W	1358	Cinder cones	P
Redondo, Cerro (Guatemala)	14.27 N	89.62 W	768	Shield volcanoes	Q
Masahuat Volc Field (El Salvador)	14.20 N	89.40 W	1005	Stratovolcano	P
Tablas, Cerro las (El Salvador)	14.07 N	89.40 W	782	Stratovolcanoes	P
Limones Volc Field, Los (El Salv.)	14.05 N	89.13 W	420	Cinder cones	P
Lolotique, Cerro (El Salvador)	13.55 N	88.37 W	826	Unknown	Q
Cacahuatique, Cerro (El Salvador)	13.75 N	88.20 W	1500	Stratovolcano	P
Buena Vista, Cerro (El Salvador)	13.25 N	88.15 W	750	Stratovolcano	P
Yayantique, Cerro (El Salvador)	13.43 N	88.00 W	616	Volcanic field	P
Unnamed (El Salvador)	13.67 N	87.82 W	377	Volcanic field	P
Zacatillo, Isla (El Salvador)	13.30 N	87.75 W	160	Cinder cones	P
Meanguera, Isla (El Salvador)	13.20 N	87.70 W	493	Stratovolcanoes	Q
Izopo, Montaña de (Honduras)	13.92 N	87.15 W	2020	Shield volcanoes	Q
Hule, Cerro de (Honduras)	13.95 N	87.23 W	1725	Shield volcano	Q
Gavilantepeque, Cerro (Honduras)	14.00 N	87.18 W	1280	Shield volcano	Q
Pedregal, El (Honduras)	14.10 N	87.27 W	1593	Shield volcano	Q
Calanterique, Cerro (Honduras)	14.60 N	87.87 W	-	Lava cone	Q
Malpaisillo (Nicaragua)	12.58 N	86.60 W	181	Pyroclastic shield	P
Apoyo (Nicaragua)	11.92 N	86.03 W	600	Caldera	P
San Jacinto, Cerro (Nicaragua)	12.37 N	86.02 W	300	Stratovolcano	P?
Tambor Grande (Nicaragua)	10.97 N	84.08 W	648	Caldera	Q
Chopo, Cerro (Costa Rica)	10.47 N	85.07 W	402	Pyroclastic cone	P
Tilarán, Cerro (Costa Rica)	10.45 N	84.98 W	634	Shield volcano	P
Perdidos, Los (Costa Rica)	10.40 N	84.68 W	1370	Caldera	P
Poco Sol, Laguna (Costa Rica)	10.35 N	84.67 W	789	Explosion crater?	P
San Miguel, Cerro (Costa Rica)	10.02 N	84.71 W	414	Lava dome	P
Mercedes, Cerro las (Costa Rica)	10.97 N	84.35 W	190	Cinder cone	P
Negro, Cerro (Costa Rica)	10.46 N	83.86 W	136	Shield volcano	P
Colorado, Lomas de (Costa Rica)	10.66 N	83.72 W	229	Shield volcanoes	P
Tortuguero (Costa Rica)	10.59 N	83.53 W	119	Pyroclastic cone	P
Sierpe, Lomas de (Costa Rica)	10.38 N	83.55 W	311	Shield volcanoes	P
Dúrika (Costa Rica)	9.37 N	83.22 W	2330	Lava domes	P
Coco, Isla del (Costa Rica)	5.53 N	87.08 W	575	Shield volcano	P
Tisingal (Panamá)	8.88 N	82.67 W	2986	Stratovolcano	P
Yeguada, La (Panamá)	8.47 N	80.82 W	1297	Stratovolcano	PT

SOUTH AMERICA

Santa Rosa (Colombia)	4.80 N	75.47 W	4600	Shield volcano	P
Quindío, Nevado del (Colombia)	4.71 N	75.38 W	4800	Stratovolcano	P
Páramo de Miraflores (Colombia)	3.93 N	75.73 W	3500	Unknown	Q
Unnamed (Colombia)	2.20 N	76.03 W	2500	Volcanic field	Q
San Augustín-Isnos (Colombia)	1.92 N	76.23 W	1900	Volcanic field	Q
Cutanga (Colombia)	1.83 N	76.45 W	4300	Unknown	Q
Animas (Colombia)	1.67 N	77.03 W	4242	Stratovolcano	Q
Potosí (Colombia)	1.43 N	76.82 W	3800	Unknown	PM
Tajumbina (Colombia)	1.35 N	76.85 W	4125	Unknown	PM
Juanoy (Colombia)	1.28 N	76.95 W	4125	Unknown	PM
Bordoncillo (Colombia)	1.22 N	77.13 W	3699	Unknown	PM

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Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Chalpatan (Ecuador)	0.71 N	77.78 W	3624	Caldera	P
Chiltazón (Ecuador)	0.69 N	78.02 W	3967	Stratovolcano	P
Iguan (Ecuador)	0.62 N	78.01 W	3870	Stratovolcano	P
Yanaurcu de Piñan (Ecuador)	0.48 N	78.33 W	4535	Stratovolcano	P
Pilavo (Ecuador)	0.53 N	78.37 W	4254	Stratovolcano	P
Cotacachi (Ecuador)	0.36 N	78.35 W	4939	Stratovolcano	P
Cusín (Ecuador)	0.13 N	78.15 W	3989	Stratovolcano	P
Pambamarca (Ecuador)	0.08 S	78.21 W	4076	Stratovolcano	P
Casitagua (Ecuador)	0.13 S	78.48 W	3515	Stratovolcano	P
Puntas, Cerro (Ecuador)	0.17 S	78.20 W	4348	Stratovolcano	P
Ilaló (Ecuador)	0.26 S	78.42 W	3185	Stratovolcano	P
Pasochoa (Ecuador)	0.46 S	78.48 W	4199	Stratovolcano	P
Pan de Azúcar (Ecuador)	0.43 S	77.72 W	3482	Stratovolcano	P
Sincholagua (Ecuador)	0.53 S	78.37 W	4893	Stratovolcano	P
Rumiñahui (Ecuador)	0.58 S	78.50 W	4712	Stratovolcano	P?
Corazón (Ecuador)	0.53 S	78.66 W	4786	Stratovolcano	P
Santa Cruz (Ecuador)	0.65 S	78.63 W	3945	Stratovolcano	P
Chalupas (Ecuador)	0.80 S	78.39 W	4780	Caldera	Q
Putzalagua (Ecuador)	0.96 S	78.56 W	3512	Lava dome	P
Sagoatoa (Ecuador)	1.15 S	78.67 W	4153	Stratovolcano	P
Llimpi (Ecuador)	1.38 S	78.57 W	3732	Stratovolcano	P
Puyo (Ecuador)	1.38 S	77.91 W	-	Scoria cones	P
Carihuairazo (Ecuador)	1.40 S	78.75 W	5102	Stratovolcano	P
Igualata (Ecuador)	1.49 S	78.64 W	4430	Stratovolcano	P
Calpi (Ecuador)	1.63 S	78.73 W	3215	Tuff cones	P
Altar (Ecuador)	1.67 S	78.42 W	5321	Stratovolcano	P
Roca Redonda (Galápagos)	0.27 N	91.63 W	67	Shield volcano	Q
Culpepper (Galápagos)	1.62 N	92.00 W	168	Shield volcano	P
Wenman (Galápagos)	1.37 N	91.80 W	253	Shield volcano	P
Rábida (Galápagos)	0.37 S	90.70 W	367	Lava domes	P
Pinzón (Galápagos)	0.60 S	90.68 W	458	Shield volcano	P
Santa Fe (Galápagos)	0.81 S	90.07 W	200	Shield volcano	PT
Floreana (Galápagos)	1.30 S	90.45 W	640	Shield volcano	P
Española (Galápagos)	1.38 S	89.70 W	205	Shield volcano	PM
Huambutillo-Rumicola (Perú)	13.58 S	71.72 W	-	Unknown	P
Solimana (Perú)	15.40 S	72.90 W	6093	Stratovolcano	P
Firura, Nevados (Perú)	15.23 S	72.63 W	5498	Stratovolcances	P
Purupuruni, Cerros (Perú)	17.32 S	69.90 W	5315	Lava domes	P
Lexone (Chile-N)	17.87 S	69.48 W	5340	Lava domes	P
Anallajsi, Nevado (Bolivia)	17.92 S	68.92 W	5750	Stratovolcano	P
Larur Kouy (Chile-N)	17.92 S	69.25 W	4800	Stratovolcano	PM
Pucara, Cerro (Bolivia)	17.87 S	68.50 W	4080	Volcanic field	P
Sillota (Bolivia)	17.83 S	67.33 W	4373	Stratovolcano	PM
Patilla Pata (Bolivia)	18.05 S	69.03 W	5300	Stratovolcano	P
Sajama, Nevado del (Bolivia)	18.10 S	68.88 W	6542	Stratovolcano	P
Larancagua (Chile-N)	18.02 S	69.08 W	5580	Stratovolcano	P?
Pichagas (Bolivia)	18.03 S	66.87 W	4950	Stratovolcano	PM
Ujansi (Bolivia)	18.47 S	68.67 W	4298	Unknown	PM
Caquena (Chile-N)	18.07 S	69.22 W	-	Lava domes	P
Vilacollo (Chile-N)	18.23 S	69.30 W	-	Cinder cones	P
Acotango (Chile-N)	18.37 S	69.05 W	6052	Stratovolcances	P
Arintica (Chile-N)	18.75 S	69.05 W	5597	Stratovolcanoes	P
Rochaculla-Inca Camacha (Boliv.)	18.80 S	68.30 W	5300	Stratovolcances	P?
Pumire, Cerro (Chile-N)	19.08 S	69.02 W	5470	Unknown	PM
Gloria Pata, Cerro (Bolivia)	18.88 S	67.13 W	3800	Stratovolcano	PM
Azanaques (Bolivia)	18.97 S	66.72 W	5050	Unknown	PM
Condoriquiña (Bolivia)	19.00 S	66.00 W	4600	Unknown	PM
Latarana, Cerro (Chile-N)	19.32 S	69.00 W	5210	Unknown	PM
Puchuldiza (Chile-N)	19.42 S	68.97 W	4500	Hydrothermal field	PT
Tatajachura, Cerro (Chile-N)	19.50 S	69.12 W	5240	Stratovolcano	P
Cariquima, Cerro (Chile-N)	19.55 S	68.68 W	5365	Stratovolcanoes	P?
Sillajguai, Cerro (Chile-N)	19.75 S	68.70 W	5995	Stratovolcano	PM
Quimsachata, Cerro (Chile-N)	19.70 S	68.82 W	5400	Unknown	PM
Guantija, Cerro (Chile-N)	19.85 S	68.78 W	4780	Unknown	PM
Porquesa (Chile-N)	19.96 S	68.73 W	5190	Lava domes	P
Sapajos, Cerro (Bolivia)	19.83 S	68.32 W	5900	Stratovolcano	PM
Chinchillaguay, Cerro (Bolivia)	19.75 S	68.33 W	5950	Stratovolcano	PM
Guachacollo (Bolivia)	19.62 S	68.05 W	5010	Stratovolcano	PM
Tupua (Bolivia)	19.83 S	67.67 W	5321	Stratovolcano	PM
Coracora, Cerro (Bolivia)	19.55 S	67.67 W	4800	Stratovolcano	PM
Tollocci, Cerro (Bolivia)	19.67 S	65.85 W	4600	Stratovolcano	PM
Piga, Cerro (Chile-N)	20.08 S	68.78 W	5022	Unknown	PM
Bonito, Cerro (Chile-N)	20.17 S	68.70 W	4940	Unknown	PM
Laqueca, Cerro (Bolivia)	20.17 S	68.50 W	5500	Stratovolcano	PM
Laguna-Pulacayo, Cerro (Chile-N)	20.33 S	68.67 W	4929	Unknown	PM
Pichicollo, Cerro (Bolivia)	20.30 S	68.58 W	4290	Unknown	PM
Ubina, Cerro (Bolivia)	20.37 S	68.42 W	5300	Stratovolcano	PM
Pulucha, Cerro (Bolivia)	20.47 S	68.42 W	5070	Stratovolcano	PM
Napa, Cerro (Chile-N)	20.52 S	68.68 W	5145	Stratovolcano	P
Ocaña (Bolivia)	20.58 S	68.45 W	-	Stratovolcano	P

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Copa, Cerro (Chile-N)	20.63 S	68.45 W	5330	Stratovolcanoes	P
Ajencha, Cerro (Bolivia)	20.67 S	67.42 W	5100	Stratovolcano	PM
Serrania (Bolivia)	20.75 S	67.33 W	5900	Stratovolcano	PM
Uguilla, Cerro (Bolivia)	20.87 S	68.33 W	4500	Stratovolcano	PM
Talapaca, Cerro (Bolivia)	20.98 S	68.07 W	5459	Stratovolcano	PM
Aucanquilcha (Chile-N)	21.22 S	68.47 W	6176	Stratovolcano	PT
Abra Chica, Cerro (Bolivia)	21.25 S	68.00 W	4200	Cone	PM
San Agustin, Cerro (Bolivia)	21.25 S	67.75 W	4980	Stratovolcano	PM
Tapaquilcha, Volcano (Bolivia)	21.48 S	67.97 W	5800	Stratovolcano	PM
Callejón, Cerro (Bolivia)	21.45 S	68.07 W	5880	Stratovolcano	PM
Cañapa (Chile-N)	21.50 S	68.12 W	5630	Stratovolcano	P
Ascotán, Cerro (Chile-N)	21.68 S	68.12 W	5473	Stratovolcano	P
Escala (Bolivia)	21.60 S	66.88 W	4000	Lava dome	P
Moiro, Cerro (Bolivia)	21.68 S	67.47 W	4250	Scoria cone	P?
Galera (Bolivia)	21.03 S	66.18 W	-	Cone	PM
Galán, Cerro (Bolivia)	21.67 S	66.33 W	5200	Stratovolcano	PM
Bonete, Cerro (Bolivia)	21.75 S	66.37 W	5150	Stratovolcano	PM
San Roque, Cerro (Bolivia)	21.73 S	67.20 W	4750	Cone	PM
Chascon, Cerro (Bolivia)	21.88 S	67.90 W	5125	Lava dome	P
Apagado (Chile-N)	22.05 S	67.97 W	5680	Stratovolcano	P
Paniri (Chile-N)	22.08 S	68.25 W	5946	Stratovolcano	P?
Leon, Cerro del (Chile-N)	22.18 S	68.12 W	5760	Stratovolcanoes	P
Deslinde (Chile-N)	22.27 S	67.97 W	5651	Stratovolcano	P
Linzor (Chile-N)	22.18 S	67.95 W	5680	Stratovolcano	P
Jorcada (Bolivia)	22.08 S	67.77 W	5750	Stratovolcano	P
Quetena (Bolivia)	22.25 S	67.42 W	5730	Fissure vent	P?
Sunequera (Bolivia)	21.98 S	67.23 W	5899	Shield volcano	P
Uturuncu (Bolivia)	22.27 S	67.18 W	6008	Stratovolcano	PT
Tatio, El (Chile-N)	22.35 S	68.03 W	4280	Hydrothermal field	PT
Tatio, Volcán (Chile-N)	22.42 S	68.02 W	5314	Stratovolcano	P
Volcán, El (Chile-N)	22.33 S	67.97 W	5100	Stratovolcano	P
Volcanes, Cerro (Bolivia)	22.43 S	67.80 W	5440	Unknown	PM
Tocorpuri, Cerros de (Chile-N)	22.44 S	67.89 W	5808	Stratovolcano	P
Zapaleri, Cerro (Chile-N)	22.82 S	67.18 W	5643	Stratovolcano	P?
Poquis (Chile-N)	23.02 S	67.05 W	5770	Stratovolcano	P
Curutú (Chile-N)	23.17 S	67.07 W	5394	Stratovolcano	P
Losloyo (Chile-N)	23.13 S	67.37 W	5343	Stratovolcano	P
Potor (Chile-N)	23.20 S	67.67 W	5318	Stratovolcano	P
Hécar (Chile-N)	23.23 S	67.75 W	5029	Stratovolcano	P
Verde, Laguna (Chile-N)	23.25 S	67.71 W	5464	Stratovolcano	P
Río Negro, Cerro de (Chile-N)	23.38 S	67.58 W	5071	Stratovolcano	P
Abra (Chile-N)	23.43 S	67.75 W	5266	Stratovolcano	P
Tumisa (Chile-N)	23.45 S	67.82 W	5671	Stratovolcano	P
Lejía (Chile-N)	23.55 S	67.77 W	5790	Stratovolcano	P
Miscanti (Chile-N)	23.67 S	67.72 W	5613	Stratovolcano	P
Laco (Chile-N)	23.80 S	67.50 W	5472	Lava dome	P?
Incaguasi (Chile-N)	24.03 S	67.53 W	5689	Unknown	P
Căpur (Chile-N)	24.02 S	67.85 W	5216	Stratovolcano	P
Aguas Delgadas (Chile-N)	24.45 S	68.40 W	-	Stratovolcano	P
Niebla, Cerro de la (Chile-N)	25.25 S	68.63 W	4500	Compound volc	P?
Azufre, El (Chile-N)	25.37 S	68.88 W	5480	Unknown	P?
Piedra Parada (Chile-N)	26.40 S	68.75 W	5920	Stratovolcano	P
San Francisco (Chile-N)	26.90 S	68.27 W	6018	Stratovolcano	P
Tres Cruces (Chile-N)	27.08 S	68.80 W	6620	Stratovolcano	P
Patos, Los (Chile-N)	27.27 S	69.00 W	6250	Stratovolcano	P?
Queva, Nevado (Argentina)	24.20 S	66.57 W	-	Unknown	P
Tocomar (Argentina)	24.17 S	66.57 W	-	Unknown	P
Gemelos-Saladillo (Argentina)	24.75 S	66.17 W	-	Scoria cones	P
Antofalla (Argentina)	25.55 S	67.92 W	6409	Stratovolcanoes	P
Galán, Cerro (Argentina)	25.93 S	66.92 W	6000	Caldera	P
Colorado, Cerro (Argentina)	26.18 S	68.37 W	6049	Stratovolcano	P?
Incapillo (Argentina)	27.90 S	68.80 W	5750	Caldera	P
Sala y Gómez (Chile-Is)	26.47 S	105.47 W	15	Shield volcano?	P
Alexander Selkirk (Chile-Is)	33.87 S	80.90 W	1615	Shield volcano	P
Tupungato (Chile-C)	33.35 S	69.77 W	6550	Stratovolcano	P
Piuquenes, Nevado de los (Chile)	33.52 S	69.83 W	6019	Stratovolcano	P
Northern Mendoza Field (Argent.)	34.67 S*	69.00 W	-	Volcanic field	P
Llancanelo Volc Field (Chile-C)	35.75 S*	69.25 W	1876	Scoria cones	P
Puelche Volc Field (Chile-C)	35.78 S*	70.48 W	3140	Volcanic field	P
Sordo Lucas (Chile-C)	34.99 S	70.46 W	3349	Stratovolcano	P
Unnamed (Argentina)	36.70 S*	68.32 W	-	Volcanic field	P
Puente-Chapúa Field (Argentina)	36.75 S*	68.33 W	-	Volcanic field	P
Nevada, Sierra (Chile-C)	38.58 S	71.58 W	2554	Stratovolcano	P
Pino Hachado (Argentina)	38.68 S	70.82 W	-	Caldera	P
Trautrén, Cerro (Chile-C)	39.17 S	71.40 W	1846	Stratovolcanoes	P
Caburgua, Nevados de (Chile-C)	39.17 S	70.53 W	1862	Stratovolcanoes	P
Maichin, Cerro (Chile-C)	39.35 S	71.55 W	-	Stratovolcano	P
Quinchilca (Chile-C)	39.68 S	72.01 W	1632	Stratovolcanoes	P
Pequeño Cono Glacier H.P.N.I.	47.15 S	73.87 W	-	Cone	PM
Silueta, Cerro La (Chile-S)	52.35 S	72.20 W	1285	Unknown	PM

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WEST INDIES & HISPANOLIA

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Vigie, Morne la (Hispaniola)	18.78 N	72.28 W	831	Scoria cone	P
Thomazeau (Hispaniola)	18.68 N	72.08 W	-	Pyroclastic cones	P
San Juan (Hispaniola)	18.87 N	71.33 W	-	Cinder cones	P
Dos Hermanos (Hispaniola)	18.75 N	70.92 W	-	Volcanic field	P
Valle Nuevo (Hispaniola)	18.83 N	70.67 W	-	Volcanic field	P
South East Range (W Indies)	17.33 N	62.77 W	900	Stratovolcano	P
Northern Centres (W Indies)	17.51 N	62.99 W	-	Stratovolcanoes	P
Silver Hills (W Indies)	16.81 N	62.19 W	403	Lava domes	P
Centre Hills (W Indies)	16.76 N	62.20 W	741	Lava domes	P
Northern Chain (W Indies)	16.23 N	61.72 W	744	Lava domes	P
Axial Chain (W Indies)	16.12 N	61.70 W	1354	Stratovolcanoes	P
Bouillante Chain (W Indies)	16.12 N	61.75 W	-	Maars	PT
Caraibes, Monts (W Indies)	15.97 N	61.68 W	687	Stratovolcano	P
Terre de Bas (W Indies)	15.87 N	61.63 W	274	Stratovolcanoes	P
Foundland (W Indies)	15.27 N	61.28 W	960	Stratovolcano	P
Carbets, Pitons de (W Indies)	14.70 N	61.12 W	1196	Stratovolcano	P
Unnamed (W Indies)	14.65 N	61.08 W	-	Volcanic field	P
Garu, Morne (W Indies)	13.29 N	61.20 W	1074	Stratovolcano	P
Grand Bonhomme (W Indies)	13.22 N	61.21 W	1021	Stratovolcano	P

ICELAND & ARCTIC OCEAN

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Fagradalsfjall (Iceland-SW)	63.90 N	22.27 W	385	Tuya	P
Grensdalur (Iceland-S)	64.02 N	21.17 W	497	Stratovolcano	PT
Lyngdalsheidi (Iceland-SW)	64.15 N	20.90 W	404	Shield volcano	P
Geysir (Iceland-SW)	64.32 N	20.30 W	700	Stratovolcano	PT
Hlödufell (Iceland-SW)	64.93 N	20.53 W	1188	Tuya	P
Thorisjökull (Iceland-SW)	64.53 N	20.70 W	1350	Subglacial volc	P
Ok (Iceland-SW)	64.62 N	20.88 W	1141	Shield volcano	P
Eríksjökull (Iceland-SW)	64.77 N	20.40 W	1675	Tuya	P
Hrútfell (Iceland-SW)	64.73 N	19.72 W	1396	Tuya	P
Bláfell (Iceland-SW)	64.49 N	19.87 W	1204	Tuya	P
Hreppar (Iceland-SW)	64.42 N	19.50 W	-	Fissure vents	P
Strútur (Iceland-S)	63.85 N	18.93 W	968	Tuya	P
Tungnaárfjöll (Iceland-NE)	64.17 N	18.50 W	-	Fissure vents	P
Kistufell (Iceland-NE)	64.78 N	17.20 W	1444	Tuya	P
Valdalda (Iceland-NE)	64.97 N	16.48 W	941	Shield volcano	P
Herdubreid (Iceland-NE)	65.18 N	16.35 W	1682	Tuya	P
Sellandafjall (Iceland-NE)	65.42 N	17.03 W	988	Tuya	P
Blafjall (Iceland-NE)	65.43 N	16.85 W	1222	Tuya	P
Burfell (Iceland-NE)	65.55 N	16.65 W	953	Tuya	P
Fjallgardar Ridge (Iceland-NE)	65.50 N	15.67 W	1035	Fissure vents	P
Gaesafjöll (Iceland-NE)	65.78 N	16.88 W	882	Tuya	P
Lambafjöll (Iceland-NE)	65.83 N	17.13 W	-	Fissure vents	P
Breidabunga (Iceland-SE)	64.42 N	16.08 W	1520	Subglacial volc	P
Snaefell (Iceland-SE)	64.80 N	15.57 W	1833	Stratovolcano	P
Sigurd (Spitsbergen)	79.17 N	13.50 E	1100	Explosion crater	P
Halvdan (Spitsbergen)	79.33 N	13.50 E	834	Explosion crater	P
Sverrefjell (Spitsbergen)	79.43 N	13.30 E	506	Cinder cone	P

ATLANTIC OCEAN & ANTARCTICA

Volcano Name (Subregion)	LAT	LONG	ELEV	TYPE	STATUS
Santo Antao (Cape Verde Is)	17.07 N	25.17 W	1979	Stratovolcano	P
Sao Nicolau (Cape Verde Is)	16.62 N	24.35 W	1270	Stratovolcano	P
Martin Vaz (Atlantic-C)	20.47 S	28.85 W	-	Stratovolcano	P
Inaccessible Island (Atlantic-S)	37.32 S	12.73 W	449	Stratovolcano	P
Gough Island (Atlantic-S)	40.32 S	9.93 W	910	Shield volcano	P
Gaussberg (Antarctica)	66.78 S	89.30 E	370	Cone	P
Adare Peninsula (Antarctica)	71.70 S	170.60 E	2083	Shield volcanoes	PM
Hallett Peninsula (Antarctica)	72.53 S	169.92 E	1770	Shield volcanoes	PM
Daniell Peninsula (Antarctica)	72.95 S	169.37 E	2026	Shield volcanoes	PM
Coulman Island (Antarctica)	73.55 S	169.67 E	1998	Shield volcano	PM
Franklin Island (Antarctica)	76.17 S	168.38 E	247	Shield volcano	Q
Beaufort Island (Antarctica)	76.98 S	167.02 E	740	Stratovolcano	Q
Terror, Mt. (Antarctica)	77.52 S	168.55 E	3262	Shield volcano	P
Hut Point Peninsula (Antarctica)	77.75 S	166.75 E	431	Scoria cones	P
White Island (Antarctica)	78.17 S	167.50 E	762	Shield volcanoes	P
Mason Spurr (Antarctica)	78.58 S	164.37 E	-	Lava domes	P
Unnamed (Antarctica)	86.90 S	153.00 W	-	Unknown	Q
Taylor Valley (Antarctica)	77.67 S	162.17 E	1400	Cinder cones	P
Fosdick Mountains (Antarctica)	76.50 S	145.00 E	-	Scoria cones	PM
Bursey, Mt. (Antarctica)	76.00 S	132.67 W	2787	Shield volcanoes	P
Obiglio, Mt. (Antarctica)	74.47 S	131.83 W	510	Cinder cone	P
Shepard Island (Antarctica)	74.42 S	132.67 W	-	Tuff cones	P
Crary Group (Antarctica)	76.80 S	117.70 W	3654	Shield volcanoes	P
Murphy, Mt. (Antarctica)	75.37 S	110.67 W	2703	Shield volcano	P
Beethoven Peninsula (Antarctica)	71.55 S	73.42 W	1050	Volcanic field	P
Brabant Island (Antarctica)	64.28 S	62.33 W	2522	Volcanic field	P
Livingston-Greenwich Islands	62.52 S	60.02 W	530	Tuff cones	P
Melville (Antarctica)	62.02 S	57.67 W	549	Stratovolcano	Q
Tabarin Peninsula (Antarctica)	63.60 S	57.00 W	730	Shield volcano?	P
James Ross Island (Antarctica)	64.15 S	57.75 W	1470	Shield volcano	P
Argo Point (Antarctica)	66.25 S	60.92 W	360	Scoria cone	P

Bill Rose (Michigan Tech Univ)

Ayarza volcano is a scenic 5 x 7 km wide double caldera in Guatemala filled by Laguna de Ayarza. Both calderas, whose steep walls rise nearly 600 m above the lake surface, were formed within several thousand years of each other during major rhyolitic explosive eruptions between about 27,000 and 23,100 years ago.

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Preliminary List of Large-Volume Pleistocene Eruptions

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Large-Volume Pleistocene Eruptions: Context and Codes

The recognition of potential global-scale impacts of large-volume eruptions has promoted interest in expanding documentation of these eruptions into the Pleistocene. Data are listed here chronologically, first in thousands of years (ka) Before Present and then in millions of years (Ma) Before Present. Thus 22.6 ka = 22,600 years BP, and 0.58 Ma = 580,000 years BP. We have included all Pleistocene eruptions (1.81 million years or younger) known to us that meet the criteria of being dated, either explicitly or within a stratigraphic range (the latter are flagged by an "*"), and have an estimated volume for either bulk tephra ejection or lava effusion in excess of 1 km^3.

There are two exceptions. One is that explosive eruptions known to have resulted in caldera formation, but without a volume calculation, are included with a "C" in the VEI field. We have also included some eruptions without volume calculations where a VEI value has been assigned by our data source. Radiocarbon dates appear as uncorrected dates, unless only a corrected date is known (flagged by an apostrophe after the "ka"). Effusive eruptions are classified as VEI 0 to distinguish from explosive eruptions, but many may have also had an explosive component. References are listed regionally at the end of the list; full citations can be found in the pertinent regional section of the **REFERENCES** at the end of this book.

Volume calculations can vary significantly depending on the density of thickness measurements and the calculation technique used; we display published volumes, but users should be aware of their considerable uncertainties. As the table title indicates, this is a preliminary list, and both volumes and dates are subject to change as more detailed studies are conducted. Compilation of these data was begun independently at the Smithsonian and has continued as a collaborative "Volcano Global Risk Identification and Analysis" project (VOGRIPA) with Steve Sparks and colleagues of Bristol University to assess the impact of large-volume eruptions. We are pleased to acknowledge the important contributions to this preliminary list by Laura Hobbs and Natalie Oritz of the VOGRIPA project and Yukio Hayakawa of Gunma University, who provided data and VEI assignments for Japanese eruptions.

ka = Thousand years Before Present (uncorrected radiocarbon date)
Ma = Million years Before Present
- = Dated within a stratigraphic range
' = Corrected radiocarbon date

DRE = Dense Rock Equivalent
LF = Lava Flow
T = Tephra
VEI = Volcanic Explosivity Index
C in VEI column = caldera-forming eruption without known tephra volume

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Large-Volume Pleistocene Eruptions

DATE	VOLCANO NAME (Subregion)	UNIT	VEI	VOLUME (km³)
10.3 ka	**Hijiori** (Japan-Honshu)	Obanazawa Ignimbrite (Hj Tephra)	5	2.3
10.5 ka	**Toluca** (Mexico)	Upper Toluca Pumice (UTP)	6	18
10.6 ka	**Krafla** (Iceland)	Krofluhals	0	1 LF
10.6 ka	**Medicine Lake** (US-California)	Giant Crater	0	4.35 LF
10.7 ka	**Ulreung** (Korea)	Ulreung-Oki Tephra (U-Oki)	6	>10
11.0 ka	**East Eifel** (Germany)	Laacher See	6	20
11.0 ka	**Shasta** (US-California)	Red Banks Pumice	5	>1 DRE
11.2 ka	**Tolima** (Colombia)	Canalones stage	5	>1 DRE
11.3 ka	**St. Helens** (US-Washington)	.ly Tephra	5	~1 DRE
11.4 ka	**Campi Flegrei** (Italy)	Lagno Amendolare Pumice	5	....
11.6 ka	**Glacier Peak** (US-Washington)	B Tephra	5	6.5
11.6 ka	**Glacier Peak** (US-Washington)	M Tephra	5	1.1
11.6 ka	**Glacier Peak** (US-Washington)	G Tephra	5	6
11.9 ka	**Mashu** (Japan-Hokkaido)	Ma-I Ash	5+	6.6
11.9 ka	**Okataina** (New Zealand)	Waiohau Tephra	6	15 T; 4 LF
12.0 ka	**Campi Flegrei** (Italy)	Neopolitan Yellow Tuff (NYT)	6+	79
12.0 ka	**Furnas** (Azores)	Furnas caldera	6?	>>7
12.0 ka	**Katla** (Iceland)	Sólheimar Ignimbrite/Zedde/Ash Zone 1	6	>10
12.0 ka*	**Kuchinoerabu-jima** (Japan-Ryukyus)	Furutake-Megasaki Tephra	5	0.8 DRE
12.0 ka	**Okmok** (Aleutian Is-Alaska)	Okmok I caldera	6+	>21-31 DRE
12.1 ka	**Toluca** (Mexico)	Middle Toluca Pumice (MTP)	5	3.9
12.2 ka	**Theistareykjarbunga** (Iceland)	Skildingahraun lava shield	0	10 LF
12.4 ka	**Apoyeque** (Nicaragua)	Upper Apoyeque Pumice	5	4.3
12.5 ka*	**El Misti** (Peru)	Summit caldera	5	>1.5?
12.5 ka*	**Nantai** (Japan-Honshu)	Imaichi (Nt-IP), Shichihonzakura (Nt-SP)	5	6.3
12.5 ka	**Reykjanes** (Iceland)	Sandfellshaed	0	4.8 LF
12.5 ka*	**Towada** (Japan-Honshu)	Towada Hachinohe Ash (To-HP, To-HPf)	6	>50
12.7 ka	**Reclus** (Chile-S)	R1 Tephra	6	>10
12.8 ka	**Sakura-jima** (Japan-Kyushu)	Sz-14 (Satsuma; Sz-S) Tephra	5?	....
12.9 ka	**St. Helens** (US-Washington)	Sg Tephra	5	~1 DRE
13.0 ka*	**Akan** (Japan-Hokkaido)	Me-Akan (Nakamachineshiri) Pumice	5	....
13.0 ka	**Nulla** (Australia)	Toomba	0	12 LF
13.0 ka*	**Shikotsu (Eniwa)** (Japan-Hokkaido)	Eniwa En-a Pumice	5+	8.9
13.0 ka	**Tolima** (Colombia)	Romerales stage Unit 7	5	>1 DRE
13.1 ka	**Okataina** (New Zealand)	Rotorua Tephra	5+	7 T; 1 LF
13.2 ka	**Llaima** (Chile-C)	Curacautin Ignimbrite	6	24
13.4 ka	**Cerro Grande** (US-Idaho)	Cerro Grande lava field	0	2.3 LF
13.5 ka*	**Asama** (Japan-Honshu)	As-YP, YPk (Tsumagoi, Kusatsu)	5	>4.4
13.5 ka*	**Garibaldi Lake** (Canada)	Clinker Peak LF	0	4 LF
13.8 ka	**Villarica** (Chile-C)	Licán Ignimbrite	6	10
14.0 ka	**Popocatépetl** (Mexico)	Tutti Frutti Pumice	6	....
14.6 ka*	**Reclus** (Chile-S)	Pre-R1 Reclus tephra	5?	....
14.7 ka	**Okataina** (New Zealand)	Rerewhakaaitu Tephra	6	17 T; 2 LF
14.7 ka	**Rabaul** (New Britain)	Vunabug	5	5?
14.8 ka	**Quilotoa** (Ecuador)	Q-2 Tephra	6	11.5
14.8 ka	**San Juan** (Mexico)	Tepic Pumice	5	5.6
15.0 ka	**Alid** (Eritrea)	Alid crater	5	1-5
15.0 ka*	**Kuchinoerabu-jima** (Japan-Ryukyus)	Yumugi Tephra	5	....
15.0 ka	**Maly Semiachik** (Kamchatka)	Maly Semiachik caldera	6	15-20
15.0 ka	**Nigorigawa** (Japan-Hokkaido)	Ng Tephra	6?	....
15.0 ka*	**Rishiri** (Japan-Hokkaido)	Rishiri Wankonosawa Pumice (Rs-Wn)	5	....
15.2 ka	**Agua de Pau** (Azores)	Inner caldera	5?	>>1.5
15.5 ka	**Etna** (Italy)	Biancavilla Ignimbrite (Y-1 Tephra)	C	....
16.0 ka*	**Kirishima** (Japan-Kyushu)	Karakunidake-Kobayashi Tephra (Kr-Kb)	5	....
16.0 ka	**Long Island** (Papua New Guinea)	Kiau Ignimbrite	C	....
16.0 ka	**Rabaul** (New Britain)	Namale	5	5?
16.0 ka	**Vesuvius** (Italy)	Green Pumice (Pomici Verdoline)	5	1.6
16.5 ka*	**Bachelor** (US-Oregon)	Sheridan Mtn LF	0	<7 LF
17.0 ka	**Apoyeque** (Nicaragua)	Lower Apoyeque Pumice	5	3.9
17.0 ka*	**Yotei** (Japan-Hokkaido)	Y-1 Scoria	5	....
18.0 ka*	**Komaga-take** (Japan-Hokkaido)	Ko-P5 Pumice	5?	....
18.2 ka*	**Asama** (Japan-Honshu)	Okubozawa Pumice (OkP2)	5?	....
18.3 ka	**Vesuvius** (Italy)	Basal Pumice (Pomici di Base)	5	>4.4
18.5 ka	**Santorini** (Greece)	Cape Riva	5/6	....
18.7 ka*	**Kusatsu-Shirane** (Japan-Honshu)	Heibei-ike lava	0	1 LF
19.0 ka*	**Concepción** (Nicaragua)	Upper Ometepe Tephra	5	5.2
19.1 ka	**Okataina** (New Zealand)	Okareka Tephra	6	12 T; 5 LF
19.2 ka	**Katmai** (Alaska Peninsula)	LPFI Ignimbrite	6?	....
19.6 ka*	**Asama** (Japan-Honshu)	Okubozawa Pumice (OkP1)	5?	....
19.8 ka*	**Shiga** (Japan-Honshu)	Maru-ike lava	0	1 LF
19.8 ka	**St. Helens** (US-Washington)	M Tephra	5	~0.8 DRE
19.9 ka*	**Ubinas** (Peru)	Pumice-fall layer	5	1-2
20.0 ka*	**Komaga-take** (Japan-Hokkaido)	Ko-h Pumice	5?	....
20.0 ka	**Las Cumbres** (Mexico)	Quetzalapa Pumice	5+	>8.4
20.0 ka	**McBride Volc Prov** (Australia)	Kinrara	0	1 LF
20.0 ka	**Nantai** (Japan-Honshu)	Ogawa Scoria (OgS)	5	1.2
20.0 ka*	**Nikko-Shirane** (Japan-Honshu)	Marunuma lava	0	1 LF
20.0 ka*	**Olkaria** (Kenya)	Njorowa Pantellerite Formation	C	....
20.0 ka	**Rabaul** (New Britain)	Kulua	6?	>10?
20.0 ka	**Towada** (Japan-Honshu)	Towada-Bisuketo 2 Pumices (To-BP2)	5	....
20.2 ka	**Batur** (Indonesia-Bali)	Gunungkawi Ignimbrite (Gki)	6?	7-13
20.5 ka*	**Sanbe** (Japan-Honshu)	Sanbe (SUk) Tephra	5	....
20.8 ka*	**Asama** (Japan-Honshu)	Shiraito Pumice As-SP (As-Sr)	5	2.6

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DATE	VOLCANO NAME (Subregion)	UNIT	VEI	VOLUME (km^3)
21.0 ka	**Daisen** (Japan-Honshu)	Daisen-Misen (DMs)	5	....
21.1 ka	**Okataina** (New Zealand)	Te Rere	6	43 T; 8 LF
21.2 ka	**Terceira** (Azores)	Lajes Ignimbrite (Guilherme Moniz)	C	....
21.8 ka	**Toluca** (Mexico)	Lower Toluca Pumice (LTP)	5	2.1
22.0 ka*	**Cosigüina** (Nicaragua)	MCO Tephra	5	6
22.0 ka	**Sete Cidades** (Azores)	Sete Cidades caldera	5	>>1
22.5 ka*	**Campi Flegrei** (Italy)	TAU-e Tephra	5?	>2.4-11.5
22.6 ka	**Taupo** (New Zealand)	Kawakawa (Oruanui)	8	1170
22.8 ka	**Apoyo** (Nicaragua)	Upper Apoyo Tephra	6	43
23.1 ka	**Ayarza** (Guatemala)	Pinos Altos Tephra (PAT)	5	2 DRE
23.1 ka	**Ayarza** (Guatemala)	Mixta Tephra (MFT)	5+	9
23.2 ka	**Mazama** (US-Oregon)	Trego Hot Springs Tephra	5	1.6 DRE
23.3 ka	**Apoyo** (Nicaragua)	Lower Apoyo Tephra, Apoyo Ignimbrite	6	14.5
23.3 ka*	**Asama** (Japan-Honshu)	Itahana BP3 Pumice	5?	....
23.5 ka	**Taupo** (New Zealand)	Poihipi Tephra	5	2.5
24.0 ka	**Potato Butte** (US-California)	Hat Creek	0	5 LF
24.3 ka*	**Asama** (Japan-Honshu)	Itahana BP2 Pumice	5	....
24.5 ka*	**Daisen** (Japan-Honshu)	Daisen Sasaganaru (DSs) Tephra	5	....
24.5 ka	**Nemo Peak** (Kuril Islands)	Nemo III caldera	6?	9-11
25.0 ka*	**Asama** (Japan-Honshu)	Itahana BP1 Pumice	5	....
25.0 ka	**Ilyinsky** (Kamchatka)	Ilyinsky caldera	C	....
25.0 ka*	**Los Humeros** (Mexico)	El Xalapaxco caldera	5	1 DRE
25.1 ka	**Taupo** (New Zealand)	Okaia Tephra	5+	7
25.8 ka	**Emmons Lake** (Alaska Peninsula)	Dawson Tephra	6?	>50
26.0 ka	**Sakura-jima** (Japan-Kyushu)	Sz-17 (Sz-Tk6) Tephra	5	....
26.5 ka*	**Asama** (Japan-Honshu)	Itahana BP0 Pumice	5	....
26.5 ka	**Láscar** (Chile-N)	Soncor Unit	6	15
26.5 ka	**Okataina** (New Zealand)	Mangaone-L Tephra	5+	8.1
26.7 ka	**Okataina** (New Zealand)	Omataroa Tephra	6	16
27.0 ka*	**Kutcharo (Nishibetsu)** (Japan-Hokkaido)	Higashi Kayano Pumice	5	....
28.0 ka'	**Hachijo-jima** (Japan-Izu Is)	Mihara caldera, Sueyoshi Tephra	5	....
28.0 ka*	**Laguna Caldera** (Luzon-Philippines)	Teresa Scoria Flow	C	....
28.0 ka	**Okataina** (New Zealand)	Mangaone-I Tephra	6	19.9
28.0 ka'	**Sakura-jima** (Japan-Kyushu)	Aira-Tanzawa Tephra (AT)	7/8	>450; 2000
28.0 ka*	**Shikotsu (Eniwa)** (Japan-Hokkaido)	Eniwa En-b Tephra	5	4.5
28.0 ka*	**Terceira** (Azores)	Outer Santa Barbara caldera	C	....
28.0 ka	**Toluca** (Mexico)	28 ka block-and-ash flow unit	5	3
29.0 ka*	**Ksudach** (Kamchatka)	Ksudach II caldera	6	25
29.0 ka	**Menengai** (Kenya)	First Menengai caldera	6	20 DRE
29.0 ka	**Okataina** (New Zealand)	Awakeri Tephra	5	2
29.3 ka	**Batur** (Indonesia-Bali)	Ubud Ignimbrite (Ubi)	7?	18-36; >108
29.9 ka	**Avachinsky** (Kamchatka)	Avachinsky caldera	C	....
30.0 ka*	**Kutcharo (Nishibetsu)** (Japan-Hokkaido)	Tokotan-1 Tephra	5	....
30.0 ka	**Micotrin** (West Indies)	Roseau Ash	6	58
30.0 ka'	**Sakura-jima** (Japan-Kyushu)	Aira Fukaminato (A-Fm)	5	....
30.0 ka*	**Towada** (Japan-Honshu)	Towado-Ofudo (To-Of), To-BP1 Pumices	6	50
30.0 ka'	**Yasur** (Vanuatu-SW Pacific)	Siwi Group	5	>1
30.0 ka*	**Yotei** (Japan-Hokkaido)	Y-3 Scoria	5	....
30.2 ka	**Shiveluch** (Kamchatka)	Molodoy Shiveluch caldera	6	15-20
31.0 ka	**Aso** (Japan-Kyushu)	Kusasenrigahama Pumice (Kpfa, Aso-K)	5	2.4
31.0 ka	**Zitácuaro** (México)	La Dieta Pumice	5	1.5
31.9 ka'	**Okataina** (New Zealand)	Mangaone-K Tephra	6	16.2
32.0 ka*	**Daisetsu** (Japan-Hokkaido)	Sounkyo Ignimbrite	6?	....
32.0 ka*	**Komaga-take** (Japan-Hokkaido)	Ko-i Pumice	5?	....
32.3 ka*	**El Misti** (Peru)	Group 3-1 ashflow deposits	5	>1.5
33.0 ka*	**Akademia Nauk** (Kamchatka)	Akademia Nauk (Karymsky Lake) caldera	C	....
33.0 ka	**Tengger** (Indonesia-Java)	Sand Sea caldera	C	....
33.6 ka	**Agua de Pau** (Azores)	Older caldera	5?	>>5
33.7 ka	**Quilotoa** (Ecuador)	Q-3 Tephra	5?	>4
34.0 ka*	**Kutcharo (Nishibetsu)** (Japan-Hokkaido)	Tokotan-2 Tephra	5	....
34.2 ka'	**Okataina** (New Zealand)	Mangaone-G Tephra	5	2.5
35.0 ka*	**Medicine Lake** (US-California)	Mammoth Crater	0	4-5? LF
35.1 ka'	**Okataina** (New Zealand)	Mangaone-F Tephra	6	15.2
35.2 ka*	**Akagi** (Japan-Honshu)	Akagi Kanuma Pumice (Ag-KP)	5?	26; 5
35.9 ka	**Bulusan** (Luzon-Philippines)	Irosin Ignimbrite	6	>10
35.9 ka	**Okataina** (New Zealand)	Hauparu Tephra	6	10
36.0 ka*	**Galeras** (Colombia)	Jenoy caldera	5	2
36.0 ka	**Tres Vírgenes** (México)	La Virgen Tephra	5	>1.1
36.3 ka	**Los Azufres** (México)	Acambaro (AC) Ignimbrite	5	1 DRE
36.5 ka*	**Krashenninokov** (Kamchatka)	Krashenninokov caldera	6	50
37.0 ka	**Campi Flegrei** (Italy)	Campanian Ignimbrite (CI; Y-5 Tephra)	7	620
37.0 ka	**Rabaul** (New Britain)	Latlat Tephra	5	5
37.0 ka*	**Sanbe** (Japan-Honshu)	Sanbe Ikeda (SI)	6?	....
37.0 ka	**Santorini** (Greece)	US2 Tephra	5	....
37.0 ka	**Toluca** (México)	37 ka block-and-ash flow unit	5	3
37.1 ka'	**Okataina** (New Zealand)	Mangaone-D Tephra	6	11
37.5 ka	**Nevados de Chillán** (Chile-C)	Nev2 Ignimbrite	C	....
38.0 ka*	**Ata** (Japan-Kyushu)	Ata-Karayama	5?	....
38.0 ka*	**Kutcharo (Nishibetsu)** (Japan-Hokkaido)	Tokotan-3 Tephra	5	....
38.0 ka	**Rabaul** (New Britain)	Malaguna	6	....
38.8 ka	**Golovnin** (Kuril Islands)	Kn III-5 Tephra	5+	7-8
39.0 ka	**Erebus** (Antarctica)	Mt. Dewitt Tephra	C?	....
39.0 ka	**Gorely** (Kamchatka)	Gorely Khrebet caldera	7	120
39.0 ka*	**Ksudach** (Kamchatka)	Ksudach I caldera	6	40
39.0 ka	**Qualibou** (West Indies)	Choiseul Pumice	6?	>11?
39.1 ka*	**Opala** (Kamchatka)	Opala caldera	7	150
39.3 ka*	**Khangar** (Kamchatka)	Khangar II caldera	C	....
39.6 ka	**Uzon** (Kamchatka)	Uzon-Geizerny caldera	7	150

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DATE	VOLCANO NAME (Subregion)	UNIT	VEI	VOLUME (km^3)
0.11 Ma*	**Nyoho** (Japan-Honshu)	Namegawa Tephra (Nm)	5	2.4
0.11 Ma	**Pantelleria** (Italy)	La Vecchia caldera	C	....
0.11 Ma*	**Rishiri** (Japan-Hokkaido)	Rishiri Acharu Tephra (Rs-Ac)	5	....
0.11 Ma	**Sanbe** (Japan-Honshu)	Sanbe Kisuki (SK Tephra)	6	20
0.11 Ma	**Soufrière Guadeloupe** (West Indies)	Montval	C	....
0.11 Ma*	**Towada** (Japan-Honshu)	Towado Zarume-1 Pumice (To-ZP1)	5?	....
0.11 Ma	**Usu (Toya)** (Japan-Hokkaido)	Toya Ash (Tpfl-I to Tpfl-IV)	7	>170
0.11 Ma	**Yellowstone** (US-Wyoming)	West Yellowstone	0	41 LF
0.12 Ma	**Aso** (Japan-Kyushu)	Aso-3 Tephra	7	>150
0.12 Ma	**Ata** (Japan-Kyushu)	Ata-Marumine (Ata-Mr)	6?	....
0.12 Ma*	**Cordón Caulle** (Chile-S)	San Pablo Ignimbrite	6	20
0.12 Ma	**Emmons Lake** (Alaska Peninsula)	Unnamed tephra	C	....
0.12 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-13 (KlP13)	5	....
0.12 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-11 (KlP11)	5?	....
0.12 Ma*	**Kutcharo** (Japan-Hokkaido)	Kutcharo Haboro (Kc-Hb) Ash, Kc-4 Ignimbrite	7	>150
0.12 Ma*	**Mazama** (US-Oregon)	NW of Pumice Flat	0	1.5 LF
0.12 Ma*	**Nyoho** (Japan-Honshu)	Ogikubo (Ok) Tephra	5	1.2
0.12 Ma*	**Nyoho** (Japan-Honshu)	Sotome Tephra (So)	5	3
0.12 Ma*	**Nyoho** (Japan-Honshu)	Yaita Tephra (Yt)	5	2.3
0.12 Ma	**Pacaya (Amatitlán)** (Guatemala)	Amatitlan-T Tephra	6	34
0.12 Ma*	**Yatsuga-take** (Japan-Honshu)	Kawakami Pumice (KwP)	5	....
0.12 Ma	**Yellowstone** (US-Wyoming)	Bechler River	0	8 LF
0.13 Ma*	**Adatara** (Japan-Honshu)	Adatara-Dake Pumice (Ad-DK), PF	5	>2 DRE
0.13 Ma*	**Ashitaka?** (Japan-Honshu)	Kissawa Lower Pumice-4 (KlP4)	5?	....
0.13 Ma*	**Aso** (Japan-Kyushu)	Aso-P/Q Tephras	6?	....
0.13 Ma*	**Aso** (Japan-Kyushu)	Aso-R Tephra	5?	....
0.13 Ma*	**Daisen** (Japan-Honshu)	Daisen-Hiruzenbara Pumice (DHP)	6?	....
0.13 Ma*	**Daisen** (Japan-Honshu)	Daisen-Matsue Pumice (DMP)	6?	5-20
0.13 Ma*	**Hakkoda** (Japan-Honshu)	Hakkoda-Katchi Pumice	6?	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-10 (KlP10)	5?	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Hakone-Daruma 1 (Hk-Da1; KlP9)	6?	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-8 (KlP8)	5	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-7 (KlP7)	5	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-6 (KlP6)	5?	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-5 (KlP5)	5?	....
0.13 Ma*	**Hakone** (Japan-Honshu)	Kissawa Lower Pumice-3 (KlP3)	5?	....
0.13 Ma*	**Narugo** (Japan-Honshu)	Narugo-Ichihazama (Nr-It)	5	....
0.13 Ma	**Numazawa?** (Japan-Honshu)	Tagashira Pumice (TgP)	5?	....
0.13 Ma*	**Nyoho** (Japan-Honshu)	Yumihari-7 Tephra (Ym-7)	5	1.2
0.13 Ma*	**Takahara** (Japan-Honshu)	Takahara-KitaAkata (Kt) Tephra	5	3.7
0.14 Ma*	**Aso** (Japan-Kyushu)	Aso-S Tephra	5	....
0.14 Ma	**Aso** (Japan-Kyushu)	Aso-2 Tephra	6	50
0.14 Ma*	**Iizuna** (Japan-Honshu)	Kamitaru Pumice	6?	....
0.14 Ma	**Kikai** (Japan-Ryukyus)	Koabi (K-ab) Tephra	C	....
0.14 Ma*	**Nyoho** (Japan-Honshu)	Yumihari-10 Tephra (Ym-10)	5	1.3
0.14 Ma*	**Santorini** (Greece)	Cape Thera	5	....
0.14 Ma	**Soufrière Guadeloupe** (West Indies)	Anse des Pères	C	....
0.14 Ma	**Yellowstone** (US-Wyoming)	Cold Mountain Creek Tuff	6	10? DRE
0.15 Ma	**Calabozos** (Chile-C)	Loma Seca Tuff-Unit S	7	200
0.15 Ma*	**Hakone** (Japan-Honshu)	Tama A Upper-12 (TAu12) Tephra	5?	....
0.15 Ma	**Nisyros-Kos** (Greece)	Kos Plateau Tuff (KPT)	7	>100
0.15 Ma*	**Takahara** (Japan-Honshu)	Ubazawakita Tephra (Ub)	5	2.4
0.15 Ma	**Tengger** (Indonesia-Java)	Sukapura Ignimbrite	C	....
0.15 Ma	**Vico-Cimino** (Italy)	Sutri Formation/Ignimbrite C	6	10
0.15 Ma	**Yellowstone** (US-Wyoming)	Nez Perce Creek	0	6 LF
0.15 Ma	**Yellowstone** (US-Wyoming)	Elephant Back	0	25 LF
0.15 Ma*	**Yellowstone** (US-Wyoming)	Spring Creek	0	7 LF
0.15 Ma*	**Yellowstone** (US-Wyoming)	Spruce Creek	0	7 LF
0.16 Ma	**Atitlán** (Guatemala)	W Tephra	6	26
0.16 Ma*	**Hakone** (Japan-Honshu)	Tama A Upper-2 (TAu2) Tephra	5?	....
0.16 Ma*	**Iizuna** (Japan-Honshu)	Nishiyama Pumice	6?	....
0.16 Ma	**Ksudach** (Kamchatka)	Earliest Ksudach caldera	6?	>>10
0.16 Ma	**Long Valley** (US-California)	West Moat Coulee	0	4 LF
0.16 Ma	**Yellowstone** (US-Wyoming)	Aster Creek	0	10 LF
0.16 Ma	**Yellowstone** (US-Wyoming)	Buffalo Lake	0	54 LF
0.16 Ma	**Yellowstone** (US-Wyoming)	Mallard Lake	0	13 LF
0.17 Ma*	**Akan** (Japan-Hokkaido)	Ak1 Pumice	6?	....
0.17 Ma*	**Chacana** (Ecuador)	Chacana caldera	C	....
0.17 Ma*	**Hakone** (Japan-Honshu)	Tama A middle-7 (TAm7) Tephra	5?	....
0.17 Ma*	**Hakone** (Japan-Honshu)	Tama A middle-6 (TAm6) Tephra	5?	....
0.17 Ma*	**Nasu** (Japan-Honshu)	Shirakawa-7 Tephra (Sr-7)	5?	2
0.17 Ma*	**Nasu** (Japan-Honshu)	Shirakawa-8 Tephra (Sr-8)	5	1.1
0.17 Ma*	**Nasu** (Japan-Honshu)	Shirakawa-9 Tephra (Sr-9)	5	2
0.17 Ma*	**Nasu** (Japan-Honshu)	Shirakawa-10 Tephra (Sr-10)	5	1.9
0.17 Ma*	**Nyoho** (Japan-Honshu)	Shiobara-1 Tephra (Si-1)	5	1.6
0.17 Ma*	**Nyoho** (Japan-Honshu)	Shiobara-3 Tephra (Si-3)	5?	1.0
0.17 Ma*	**Payún Matru** (Argentina)	Caldera-forming ignimbrite	C	....
0.17 Ma	**Santorini** (Greece)	Lower Pumice 2 (LP2)	5	....
0.17 Ma	**Vulsini (Latera)** (Italy)	Grotte di Castro	5	1-10
0.17 Ma	**Yellowstone** (US-Wyoming)	Mary Lake	0	2 LF
0.17 Ma	**Yellowstone** (US-Wyoming)	West Thumb	0	11 LF
0.17 Ma	**Yellowstone** (US-Wyoming)	Bluff Point Tuff	7?	50? DRE
0.17 Ma	**Yellowstone** (US-Wyoming)	Dry Creek	0	9 LF
0.18 Ma*	**Acigöl-Nevishir** (Turkey)	Lower Acigöl Tuff	6	>13
0.18 Ma*	**Hakone** (Japan-Honshu)	Tama A middle-5 (TAm5) Tephra	6?	....
0.18 Ma*	**Hakone** (Japan-Honshu)	Tama A middle-4 (TAm4) Tephra	6?	....
0.18 Ma*	**Hiuchi** (Japan-Honshu)	Hiuchigatake-Takaku (Nanairi) Pumice	5+	8
0.18 Ma	**Medicine Lake** (US-California)	Antelope Well Tuff	6	10

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DATE	VOLCANO NAME (Subregion)	UNIT	VEI	VOLUME (km^3)
0.18 Ma*	**Vulsini (Latera)** (Italy)	Sorano eruptive unit	5	1-10
0.19 Ma*	**Hakone** (Japan-Honshu)	Tama A middle-1 (TAm1) Tephra	6?	....
0.19 Ma*	**Hakone** (Japan-Honshu)	Tama B-13 (TB-13) Tephra	6?	....
0.19 Ma*	**Iiji** (Japan-Honshu)	Moka Pumice (MoP)	5+	7.3
0.19 Ma*	**Kinunuma** (Japan-Honshu)	Kinunuma-Kurodahara Tephra	5	<6
0.19 Ma	**McBride Volc Prov** (Australia)	Undara	0	30 LF
0.19 Ma	**Pacaya (Amatitlán)** (Guatemala)	Amatitlán-L Tephra	6+	75
0.19 Ma	**Rainier** (US-Washington)	White pumice fall	5	>1 DRE
0.19 Ma	**Tangkubanparahu** (Indonesia-Java)	Sunda caldera	C	....
0.19 Ma	**Vulsini (Latera)** (Italy)	Sovana (Piansano PF)	5	1-10
0.20 Ma*	**Akan** (Japan-Hokkaido)	Ak2 Pumice	5?	....
0.20 Ma	**Chudleigh Volc Prov** (Australia)	Barker	0	3-4 LF
0.20 Ma	**Gedemsa** (Ethiopia)	Younger caldera	C	....
0.20 Ma	**Las Navajas** (Mexico)	Las Cuevas Ash	5	>3
0.20 Ma	**Mojanda** (Ecuador)	Mojanda-2 caldera	C	....
0.20 Ma	**Ruiz, Nevado del** (Colombia)	Rio Claro	5	5-6?
0.20 Ma	**Santo Antao** (Cape Verde Islands)	Cao Grande Pumice	5	1.7-2.7 DRE
0.20 Ma	**Santorini** (Greece)	Lower Pumice 1 (LP1)	5	....
0.20 Ma	**Tenerife** (Canary Islands)	Abrigo Member	7	20 DRE
0.20 Ma*	**Tenerife** (Canary Islands)	Cruz Sequence	6	25
0.20 Ma	**Tolima** (Colombia)	El Rancho stage	0	>1 LF
0.21 Ma	**Chalupas** (Ecuador)	Chalupas Ashflow	6+	80-100
0.21 Ma*	**Haruna** (Japan-Honshu)	Miyazawa Ignimbrite	5?	....
0.21 Ma*	**Maroa** (New Zealand)	Pukeahua Tephra	5?	1?
0.21 Ma	**Puelche Volc Field** (Chile-C)	Arroyo San Francisco	0	8.6 LF
0.21 Ma*	**Tenerife** (Canary Islands)	Benijos Member	5	5?
0.21 Ma*	**Tenerife** (Canary Islands)	Hidalga Member	5	5?
0.21 Ma*	**Tenerife** (Canary Islands)	Socorro Member	5	4.9
0.22 Ma*	**Iiji** (Japan-Honshu)	Takatsue Tephra	5	....
0.22 Ma*	**Onikobe** (Japan-Honshu)	Onikobe-Shimonakazato Tephra	6?	....
0.22 Ma	**Piton des Nieges** (Indian Ocean)	Dalle Soudée Formation	6	20
0.22 Ma	**Sunagohara** (Japan-Honshu)	Sunagohara-Kubota Tephra	5+	>6
0.22 Ma	**Tenerife** (Canary Islands)	Batista Member	6	10.1
0.22 Ma	**Tenerife** (Canary Islands)	Caleta Member	6	10.1
0.23 Ma	**Emmons Lake** (Alaska Peninsula)	Cathedral Welded Tuff	6?	>50
0.23 Ma*	**Hakone** (Japan-Honshu)	Tama B-7 (TB-7) Tephra	5?	....
0.23 Ma	**Los Humeros** (Mexico)	Faby Tuff	6	40
0.23 Ma	**Maroa** (New Zealand)	Atiamuri Tephra	5?	1?
0.23 Ma	**Puelche Volc Field** (Chile-C)	Río Invernada	0	1.0 LF
0.23 Ma	**Reporoa** (New Zealand)	Kaingaroa Ignimbrites	7	100 DRE
0.23 Ma	**Roccamonfina** (Italy)	Upper White Trachytic Tuff (UWTT)	5	1-2 DRE
0.23 Ma	**Roccamonfina** (Italy)	Yellow Trachytic Tuff (YTT)	5	1 DRE
0.23 Ma	**Tepetiltic** (Mexico)	Tepetiltic caldera	C	....
0.24 Ma*	**Hakone** (Japan-Honshu)	Tama B-1 (TB-1) Tephra	5	....
0.24 Ma	**Kapenga** (New Zealand)	Ohakuri	7	100 DRE
0.24 Ma*	**O'a** (Ethiopia)	Qi3 Pumice	7	120
0.24 Ma*	**Ososre-yama** (Japan-Honshu)	Tanabu-A Tephra	5	....
0.24 Ma	**Rotorua** (New Zealand)	Mamaku Ignimbrite	7	145
0.24 Ma*	**Suswa** (Kenya)	Caldera 1 (Esinoni Pumice)	6	>14
0.24 Ma*	**Vulsini (Latera)** (Italy)	Farnese (Arlena de Castro PF)	5	1-10
0.25 Ma*	**Ata** (Japan-Kyushu)	Ata-Torihama (Ata-Th)	7	>150
0.25 Ma	**Azumaya** (Japan-Honshu)	Minohara Pumice (MiP)	5	3.5
0.25 Ma*	**Minakami (Matsushiro)** (Japan-Honshu)	Karasawa Pumice	6?	....
0.25 Ma*	**Onikobe** (Japan-Honshu)	Onikobe-Ikezuki PF	6	>18
0.25 Ma*	**Santorini** (Greece)	Cape Therma 3 (CTM3)	5	....
0.25 Ma*	**Tenerife** (Canary Islands)	Arafo Member	7	18.6
0.25 Ma	**Vulsini (Bolsena)** (Italy)	Ospedaletto Pumice (P4)	5	1.2
0.26 Ma*	**Hakone** (Japan-Honshu)	Tama C Upper-1 (TCu1) Tephra	6?	....
0.26 Ma	**Maroa** (New Zealand)	Orakonui Tephra	5	2
0.26 Ma*	**Puelche Volc Field** (Chile-C)	Cajón Grande	0	7.8 LF
0.26 Ma	**Tumalo** (US-Oregon)	Shevlin Park Tuff	5?	>5 DRE
0.27 Ma	**Aso** (Japan-Kyushu)	Aso-1 Tephra	7/8	>>50; 1000
0.27 Ma	**Maroa** (New Zealand)	Putauaki Tephra	5	2
0.27 Ma	**Nemrut** (Turkey)	Ash flow, caldera formation?	C	....
0.27 Ma	**Tenerife** (Canary Islands)	Poris Member	6	12.4
0.28 Ma	**Damavand** (Iran)	Ask Ignimbrite	5	2-3?
0.28 Ma	**Kapenga** (New Zealand)	Pokai	7	100 DRE
0.28 Ma	**Maninjau** (Indonesia-Sumatra)	Maninjau caldera	7	100-250
0.28 Ma	**Maroa** (New Zealand)	Korotai Tephra	5?	1?
0.28 Ma	**Mazama** (US-Oregon)	W of Fumarole Bay	0	1.5 LF
0.28 Ma	**Okataina (Haroharo)** (New Zealand)	Matahina Ignimbrite	7	150
0.28 Ma	**Uzon** (Kamchatka)	Uzon-Geizerny caldera	6	46
0.28 Ma	**Vulsini (Latera)** (Italy)	Canino (Pianiano PF)	5	1-10
0.29 Ma	**Emmons Lake** (Alaska Peninsula)	Leontovich Welded Tuff	C	....
0.29 Ma	**Long Valley** (US-California)	Hot Creek	0	<1.5 LF
0.29 Ma*	**Mazama** (US-Oregon)	Cloudcap Bay	0	1.2 LF
0.29 Ma*	**Newberry** (US-Oregon)	Tepee Draw Tuff	6?	~10? DRE
0.29 Ma	**Sunagohara** (Japan-Honshu)	Sunagohara-Sakasegawa Tephra	6	>10 DRE
0.29 Ma*	**Tateyama** (Japan-Honshu)	Tateyama-C (Omachi-C) Pumice	5?	....
0.30 Ma	**Calabozos** (Chile-C)	Loma Seca Tuff-Unit V	7	>350
0.30 Ma*	**Kapenga** (New Zealand)	Chimpanzee	7?	50 DRE
0.30 Ma*	**Ososre-yama** (Japan-Honshu)	Tanabu-B Tephra	5	....
0.30 Ma*	**Santorini** (Greece)	Cape Therma 2 (CTM2)	5	....
0.30 Ma*	**St. Helens** (US-Washington)	Summer Lake tephra bed OO	5	>1 DRE
0.30 Ma*	**Tateyama** (Japan-Honshu)	Tateyama-B (Omachi-B) Pumice	5?	....
0.30 Ma	**Vico-Cimino** (Italy)	Ignimbrite A	5	1 DRE
0.30 Ma*	**Yatsuga-take** (Japan-Honshu)	Yatsugatake-BBP (Yt-BBP)	6?	5-20
0.31 Ma	**Roccamonfina** (Italy)	Lower White Trachytic Tuff (LWTT)	6?	6 DRE

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DATE	VOLCANO NAME (Subregion)	UNIT	VEI	VOLUME (km^3)
0.31 Ma	**Tenerife** (Canary Islands)	Fasnia Member	6	62
0.32 Ma	**Barva** (Costa Rica)	Tibiri Tuff	6+	78
0.32 Ma	**Tenerife** (Canary Islands)	Aldea Member	6	13.5?
0.33 Ma	**Maroa** (New Zealand)	Whakamaru 2 Tephra	8?	500 DRE
0.33 Ma*	**Momisawa (Suiendani)** (Japan-Honshu)	Takayama-Ng1 (Tky-Ng1)	5?	50; 1
0.33 Ma*	**Puelche Volc Field** (Chile-C)	Campo la Hora	0	1.8 LF
0.34 Ma	**Kakuto** (Japan-Kyushu)	Kakuto Ash (Kkt)	7	>100
0.34 Ma	**Maroa** (New Zealand)	Whakamaru 1 Tephra	8	1500 DRE
0.34 Ma*	**Momisawa (Suiendani)** (Japan-Honshu)	Suiendani A4 (Omachi-Apm4)	5?	....
0.34 Ma	**Okataina** (New Zealand)	Bonisch Tephra	6	>25
0.35 Ma*	**Mojanda** (Ecuador)	Mojanda-1 caldera	C	....
0.35 Ma*	**Momisawa (Suiendani)** (Japan-Honshu)	Suiendani A3 (Omachi-Apm3)	6?	....
0.35 Ma	**Puelche Volc Field** (Chile-C)	Arroyo Saavedra	0	1.5 LF
0.35 Ma	**Puelche Volc Field** (Chile-C)	Rio Invernada	0	1.0 LF
0.35 Ma	**Roccamonfina** (Italy)	Brown Leucitic Tuff (BLT)	5	4-5
0.35 Ma*	**Takahara** (Japan-Honshu)	Otawara Ignimbrite (Shiobara caldera)	6?	2.4
0.35 Ma	**Tenerife** (Canary Islands)	Roque Member	6	13.6
0.35 Ma	**Vulsini (Bolsena)** (Italy)	Ponticello Pumice (P2)	5	1.1
0.35 Ma*	**Yatsuga-take** (Japan-Honshu)	Hirose Pumice	5?	....
0.36 Ma	**Gorely** (Kamchatka)	Older Gorely Khrebet caldera	C	....
0.36 Ma*	**Haruna** (Japan-Honshu)	Nakamura Pumice	5?	....
0.36 Ma*	**Momisawa (Suiendani)** (Japan-Honshu)	Suiendani A2 (Omachi-Apm2)	6?	....
0.36 Ma	**Santorini** (Greece)	Cape Therma 1 (CTM1)	5	....
0.37 Ma	**Alban Hills** (Italy)	Villa Senni Ignimbrite (VSN)	6	>50
0.37 Ma*	**Kusatsu-Shirane** (Japan-Honshu)	Oshi Ignimbrite	6	....
0.37 Ma*	**Momisawa (Suiendani)** (Japan-Honshu)	Suiendani A1 (Omachi-Apm1. TE5)	7?	....
0.37 Ma*	**Nyoho** (Japan-Honshu)	Yaguchi Tephra (Yg)	6?	1.0
0.37 Ma*	**Ososre-yama** (Japan-Honshu)	Tanabu-C Tephra	5?	....
0.37 Ma	**Sabatini** (Italy)	Morphi Tephra	7	>200
0.37 Ma*	**San Pedro** (México)	Cuastecomate Pumice	C	....
0.37 Ma*	**Socorro** (México)	Tephra E	C	....
0.38 Ma	**Rainier** (US-Washington)	Biotite-bearing pumice fall	5	>1 DRE
0.38 Ma	**Ubinas** (Peru)	Ubi-127 Pumice Flows	5	1.8
0.40 Ma*	**Apeneca Range** (El Salvador)	Concepción de Ataco caldera	6+	63
0.40 Ma*	**Atka** (Aleutian Is-Alaska)	Atka caldera	C	....
0.40 Ma	**Emmons Lake** (Alaska Peninsula)	Unnamed tephra	C	....
0.40 Ma	**Khangar** (Kamchatka)	Older Khangar caldera	C	....
0.41 Ma	**Alban Hills** (Italy)	Pozzolane Nere Ignimbrite (PN)	6	9 DRE
0.41 Ma	**Medvezhia** (Kuril Islands)	Medvezhia Ignimbrite	7+	80-100
0.41 Ma*	**Onikobe** (Japan-Honshu)	Onikobe-Takamori-16 Tephra	5?	....
0.42 Ma	**Torre** (Bougainville)	Torre Ignimbrite	5+	5-10
0.43 Ma	**Akademia Nauk** (Kamchatka)	Polovinka caldera	6	>42
0.43 Ma	**Leon (Chao)** (Chile-N)	Chao	5	>1.5 DRE; 22 LF
0.43 Ma	**Sabatini** (Italy)	SRTBS	6?	10?
0.44 Ma*	**Onikobe** (Japan-Honshu)	Onikobe-Takamori-12 Tephra	5?	....
0.44 Ma	**Pauzhetka** (Kamchatka)	Golygin Ignimbrite	7	300-450
0.44 Ma	**Roccamonfina** (Italy)	Rio Rava Pumice	C	....
0.44 Ma	**Tumalo** (US-Oregon)	Bend Pumice/Tumalo Tuff/Loleta Ash	6?	>5 DRE
0.45 Ma	**Maipo** (Chile-C)	Diamante Tuff	7	270-350
0.45 Ma*	**Togawan** (Japan-Honshu)	Jizodaira Ash	6?	....
0.46 Ma	**Alban Hills** (Italy)	Pozzolane Rosse Ignimbrite (PR)	6	>34
0.46 Ma	**Los Humeros** (México)	Xallipan	7	230
0.46 Ma	**Malpaisillo** (Nicaragua)	Malpaisillo Ignimbrite	C	....
0.46 Ma*	**Onikobe** (Japan-Honshu)	Onikobe-Takamori-8 Tephra	5?	....
0.46 Ma*	**Sakura-jima** (Japan-Kyushu)	Aira Ksm-5 Tephra, Oda Ignimbrite	7	>100
0.47 Ma*	**Hakkoda** (Japan-Honshu)	Hakkoda Hkd-Ku (Hkd-2) Ignimbrite	7?	....
0.48 Ma	**Medicine Lake** (US-California)	Rhyolite LF E of Glass Mtn	0	4.8 LF
	500,000 years BP (0.50 Ma)			
0.50 Ma*	**Akan** (Japan-Hokkaido)	Ak3 Pumice	5?	....
0.50 Ma*	**Alban Hills** (Italy)	Genazzano Ignimbrite	5	>1
0.50 Ma*	**Copahue** (Chile-C)	Copahue caldera	C	....
0.50 Ma*	**Mazama** (US-Oregon)	S of Crater Peak	0	1.4 LF
0.50 Ma	**Sturgeon Volc Prov** (Australia)	Twins	0	2 LF
0.50 Ma*	**Tateyama** (Japan-Honshu)	Yaguchi Ignimbrite	6?	....
0.50 Ma	**Toba** (Indonesia-Sumatra)	Middle Toba Tuff (MTT)	6	60
0.51 Ma	**Incapillo** (Chile-N)	Incapillo Ignimbrite	6	32
0.52 Ma*	**Alban Hills** (Italy)	Casale del Cavaliere Ignimbrite	6?	10?
0.52 Ma	**Bolshoi Semiachik** (Kamchatka)	Upper Bolshoi Semiachik ignimbrite	6	42
0.52 Ma	**Kakuto (Kobayashi)** (Japan-Kyushu)	Kobayashi-Ks (Kb-Ks)	7/8	>100; 1000
0.53 Ma	**Alban Hills** (Italy)	Palatino Ignimbrite (TP)	6?	10?
0.54 Ma*	**Tolima** (Colombia)	El Boqueron caldera	6?	15?
0.54 Ma	**Yellowstone** (US-Wyoming)	Biscuit Basin	0	2.5-25 LF
0.55 Ma	**Ranau** (Indonesia-Sumatra)	Ranau Tuff	C	....
0.55 Ma	**Uinkaret** (US-Arizona)	Black Ledge lava dam	0	2.1 LF
0.56 Ma	**Alban Hills** (Italy)	Tor de Cenci Ignimbrite	6	10
0.56 Ma	**Alban Hills** (Italy)	Trigoria Ignimbrite (TPT)	5	>1
0.56 Ma	**Bolshoi Semiachik** (Kamchatka)	Lower Bolshoi Semiachik ignimbrite	6	42
0.56 Ma	**Galeras** (Colombia)	Coba Negra caldera	6	16
0.56 Ma*	**Yellowstone** (US-Wyoming)	Falls River Basalt	0	20 LF
0.58 Ma	**Kakuto?** (Japan-Kyushu)	Hiwaki Tephra (Hwk)	7	>100
0.58 Ma	**Kikai** (Japan-Ryukyus)	Koseda Ignimbrite (Ksd Tephra)	C	....
0.59 Ma	**Vulsini (Bolsena)** (Italy)	Basal Pumice (P1)	5	9
0.60 Ma*	**Akan** (Japan-Hokkaido)	Ak4 Pumice	5?	....
0.60 Ma	**Tenerife** (Canary Islands)	Granadillo Pumice	6	45
0.60 Ma	**Tenerife** (Canary Islands)	Abades Member	5	>1.6
0.60 Ma*	**Uinkaret** (US-Arizona)	Lava Falls lava dam	0	1.2 LF
0.61 Ma*	**Kamitakara (Kaisho)** (Japan-Honshu)	Kamitakara Ignimbrite (Kmt)	7?	>>50

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Gazetteer

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Gazetteer: Context

The gazetteer lists volcano names, synonyms, and subsidiary feature names (with their synonyms). For each volcano, we also list type, number of Holocene eruptions, and date of the last eruption (these eruptions do *not* include uncertain events, and neither dating method codes nor uncertainties are listed). Some frequently encountered spelling variations of names have been eliminated from the gazetteer for reasons of space and redundancy.

- The Japanese word for island is transliterated shima or jima in the officially-approved style: the older Hepburn-style transliterated of sima or zima is often not listed. Chokai is simply preferred over Tyokai, and Fuji over Huzi. However, synonyms with distinct spelling differences are listed separately in the gazetteer.

- The Dutch "oe" spelling of the Indonesian "u" (Keloed, Kelud) is not listed where it would have resulted in adjacent entries in the gazetteer. However, other spelling variations, such as the Dutch "Tj" for the Indonesian "C", and "Dj" for "J" appear separately in the gazetteer; both Cereme and its synonym Tjereme are listed.

- Variations of Cyrillic transliterations such as Karymsky, Karymskiy, Karymiskii, Karymskaya, and Karymskaia, are not listed separately.

A synonym of a volcano name is sometimes followed by one or more additional synonyms that would otherwise have appeared in an adjacent line. When synonyms of a volcano subsidiary feature name are so similar as to result in adjacent entries in the gazetteer, one of the entries has been removed, and the preferred name is shown in brackets following the synonym.

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
A		
Aabida (Ethiopia)	Synonym of Adwa	0201-17=
Aag (Kamchatka)	Synonym of Aak	.....
Aaga (Kamchatka)	Synonym of Aak	.....
Aak (Kamchatka)	Stratovolcanoes (None) Pleistocene	.....
Ab E Garm (Iran)	Thermal feature of Damavand	0302-01-
Abang, Gunung (Lesser Sunda Is)	Stratovolcano of Batur	0604-01=
Abaro (Ethiopia)	Cone of Corbetti Caldera	0201-29-
Abas Tepe (Turkey)	Cone of Erciyes Dagi	0103-01=
Abbott Peak (Antarctica)	Cone of Erebus	1900-02=
Abejera, Montaña (Canary Is)	Dome of Tenerife	1803-03-
Abeque, Montaña de (Canary Is)	Cinder cone of Tenerife	1803-03-
Aberdeen Volc Field (US-California)	Synonym of Big Pine Volc Field	.....
Abida (Ethiopia)	Synonym of Adwa	0201-17=
Abili Agituk [Wargess] (Africa-E)	Tuff cone of Barrier, The	0202-03=
Abingdon (Galapagos)	Synonym of Pinta	1503-07=
Aboa (Vanuatu-SW Pacific)	Synonym of Aoba	0507-03=
Abour, Jebel El (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Abra (Chile-N)	Stratovolcano (None) Pliocene	.....
Abra Chica, Cerro (Bolivia)	Cone (None) Post-Miocene	.....
Abra, Cerro el (Mexico)	Synonym of Atlixcos, Los	1401-094
Abraham Hot Springs (US-Utah)	Thermal feature of Fumarole Butte	.....
Abrigo, Cerro Del (US-New Mexico)	Dome of Valles Caldera	.....
Abrunco (Canary Is)	Dome of Tenerife	1803-03-
Abu (Honshu-Japan)	Shield volcanoes (1, -6850) Thermolum	**0803-001**
Abu Ail Island (Red Sea)	Cone of Zukur	0201-021
Abu Haris, Jabal (Arabia-W)	Dome of Kishb, Harrat	0301-071
Abyad, Jabal (Arabia-W)	Dome of Khaybar, Harrat	0301-06=
Academii Nauk (Kamchatka)	Synonym of Akademia Nauk	1000-125
Acamarachi (Chile-N)	Stratovolcano (None) Holocene	**1505-096**
Acantilados Mayor (Mexico)	Tuff cone of Isabel, Isla	1401-023
Acantilados Rabijuncos (Mexico)	Tuff cone of Isabel, Isla	1401-023
Acatenango (Guatemala)	Stratovolcano (8, 1972) Historical	**1402-08=**
Acatlán Volc Field (Mexico)	Caldera (None) Pleistocene	.....
Acatlan, Cerro (Mexico)	Cinder cone of Naolinco Volc Field	1401-095
Accademia (Italy)	Dome of Campi Flegrei	0101-01=
Achacara, Loma (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Achelone (Greece)	Vent of Nisyros	0102-05=
Acheolus (Greece)	Vent of Nisyros	0102-05=
Achillion (Greece)	Dome of Volos-Atalanti	.....
Achin-Niellu (Argentina)	Synonym of Huanquihue Group	1507-123
Achin-Niellu (Argentina)	Cone of Huanquihue Group	1507-123
Achiotes, Cerro los (Guatemala)	Dome of Ixhuatán	.....
Achiotillal (Costa Rica)	Stratovolcano of Barva	1405-05=
Achi-yama (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Achlan (Kamchatka)	Synonym of Ichinsky	1000-28=
Acigol (Turkey)	Crater of Karapinar Field	0103-001
Acigöl-Nevsehir (Turkey)	Caldera (5, -2080) Anthropology	**0103-004**
Acigol-Neysehir (Turkey)	Synonym of Acigol-Nevsehir	0103-004
Acoculco (Mexico)	Caldera (None) Pleistocene	.....
Acotango (Chile-N)	Stratovolcanoes (None) Pleistocene	.....
Acouma, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Acquarium (Mariana Is-C Pacific)	Thermal feature of East Diamante	0804-201
Acquasparta (Italy)	Volcanic field (None) Pleistocene	.....
Acque Calde (Italy)	Thermal feature of Vulcano	0101-05=
Acropoli (Italy)	Cone of Pantelleria	0101-071
Active Crater (Costa Rica)	Crater of Rincon de la Vieja	1405-02=
Adachi (Honshu-Japan)	Pumice cone (None) Pleistocene	.....
Adagdak (Aleutian Is)	Stratovolcano (None) Pleist.-Hot Springs	.....
Adamozhets (Kamchatka)	Unknown (None) Pleistocene	.....
Adams (US-Washington)	Stratovolcano (15, 950) Tephrochron	**1201-04-**
Adams Seamount (Pacific-C)	Submarine volcano (4, -50) K-Ar	**1303-05-**
Adare Peninsula (Antarctica)	Shield volcanoes (None) Post-Miocene	.....
Adas Tepe [Abas Tepe] (Turkey)	Cone of Erciyes Dagi	0103-01=
Adatara (Honshu-Japan)	Stratovolcanoes (12, 1996) Historical	**0803-17=**
Adatara-yama (Honshu-Japan)	Dome of Adatara	0803-17=
Aden (US-New Mexico)	Shield volcano of Potrillo Volc Field	.....
Adhamas (Greece)	Thermal feature of Milos	0102-03=
Adika-wilis (Java)	Synonym of Wilis	0603-27=
Adler Hill (Australia)	Cone of Atherton Volc Province	.....
Ado Ale (Ethiopia)	Synonym of Assab Volc Field	0201-125
Ado Wadjung [Ado Wajung] (Lesser Sunda Is)	Crater of Iliwerung	0604-25=
Ado Wajung (Lesser Sunda Is)	Crater of Iliwerung	0604-25=
Adwa (Ethiopia)	Stratovolcano (Uncertain) Holocene	**0201-17=**
Aegina (Greece)	Volcanic field (None) Pleistocene	.....
Aek Madurana (Sumatra)	Thermal feature of Sibualbuali	0601-11=
Aek Waliran (Sumatra)	Thermal feature of Sibualbuali	0601-11=
Aer Panas (Sumatra)	Thermal feature of Kembar	.....
A-Ershan (China-E)	Cone of Motianling Group	.....
Aeseput (Sulawesi-Indonesia)	Cone of Soputan	0606-03=
Aeseput Wero (Sulawesi-Indonesia)	Dome of Soputan	0606-03=
Aetna (Italy)	Synonym of Etna	0101-06=
Afana (SW Pacific)	Crater of Wallis Islands	0404-05-
Afate, Cerro (El Salvador)	Dome of Coatepeque Caldera	1403-041
Afdera (Ethiopia)	Stratovolcano (None) Holocene?	**0201-11=**
Aflitos (Azores)	Cone of Picos Volc System	1802-081
Afolau (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Afono (Samoa-SW Pacific)	Dome of Tutuila	0404-02-
Afosa, Montaña de (Canary Is)	Cinder cone of Hierro	1803-02-
Afrera (Ethiopia)	Synonym of Afdera	0201-11=
Afton Craters [Hunt's Hole] (US-New Mexico)	Maar of Potrillo Volc Field	.....
Afutina (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Agajedan (Aleutian Is)	Synonym of Shishaldin	1101-36-
Agarteto (Hungary)	Shield volcano of Balaton Highland	.....
Agaschagoch (Aleutian Is)	Synonym of Bogoslof	1101-30-
Agelu (Ethiopia)	Synonym of Ayelu	0201-16=
Aghie [Pechan] (China-W)	Cone of Tianshan Volc Group	1004-02-
Agincourt (Taiwan-N of)	Synonym of Pengchiahsu	.....
Agios Joannis (Greece)	Vent of Nisyros	0102-05=
Agios Nikolaos (Greece)	Thermal feature of Methana	0102-02=
Agmagan-Karadag (Armenia)	Synonym of Ghegam Ridge	0104-07-
Agnano (Italy)	Caldera of Campi Flegrei	0101-01=
Agnano Monte Spina (Italy)	Crater of Campi Flegrei	0101-01=
Agoeng (Lesser Sunda Is)	Synonym of Agung	0604-02=
Agonia, Puig S' (Spain)	Cone of Olot Volc Field	0100-03-
Agotu Valley (New Guinea)	Cone of Crater Mountain	0503-001
Agri Dagi (Turkey)	Synonym of Ararat	0103-04-
Agrigan (Mariana Is-C Pacific)	Stratovolcano (1, 1917) Historical	**0804-16=**
Agrihan (Mariana Is-C Pacific)	Synonym of Agrigan	0804-16=
Agrio, del [Caviahue] (Chile-C)	Caldera of Copahue	1507-09=
Agritas, Volcan las (Mexico)	Dome of Mascota Volc Field	1401-031
Agua (Guatemala)	Stratovolcano (None) Holocene	**1402-10=**
Agua Agria (Mexico)	Thermal feature of Aguajito, El	.....
Agua Agria, Ausoles de (El Salvador)	Thermal feature of San Vicente	1403-07=
Agua Amarga, Cerro (Chile-N)	Dome of Purico Complex	1505-094
Agua Bendita, Cerro (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Agua Caliente (Mexico)	Thermal feature of Chichón, El	1401-12=
Agua Caliente del Tuzgle (Argentina)	Thermal feature of Tuzgle, Cerro	1505-15-
Agua Caliente Hot Springs (US-Washington)	Thermal feature of St. Helens,	1201-05-
Agua de Pau (Azores)	Stratovolcano (10, 1564) Historical	**1802-09=**
Agua de Torres (Argentina)	Cinder cone of Unnamed	.....
Agua Fria, Laguna de (Costa Rica)	Synonym of Poas	1405-04=
Agua Grande, Cerro (Mexico)	Cinder cone of Comondu-La Purisima	1401-012
Agua Helada, Cerro (El Salvador)	Stratovolcano of Tablas, Cerro las	.....
Agua Shuca (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Agua Tibia, Cerro (Mexico)	Dome of San Pedro	.....
Agua, Cerro (Galapagos)	Pyroclastic cone of Negra, Sierra	1503-05=
Agua, Cerro del (Mexico)	Cinder cone of Chichinautzin	1401-08=
Agua, Laguna de (Nicaragua)	Crater of San Cristobal	1404-02=
Aguada, Cerro de la (Argentina)	Stratovolcano of Antofalla	.....
Aguajito, El (Mexico)	Caldera (None) Pleistocene-Hot Springs	.....
Agualva (Azores)	Dome of Terceira	1802-05=
Aguas Amargas (Guatemala)	Thermal feature of Santo Tomas	.....
Aguas Calientes (Chile-N)	Synonym of Incaguasi	.....
Aguas Calientes (Chile-N)	Stratovolcano of Lascar	1505-10=
Aguas Delgadas (Chile-N)	Stratovolcano (None) Pleistocene	.....
Aguas Perdidas (Chile-N)	Synonym of Negrillar, La	1505-108
Aguas Termales (Costa Rica)	Thermal feature of Rincon de la Vieja	1405-02=
Aguas Zarcas (Costa Rica)	Cinder cone of Platanar	1405-034
Aguero, Cerro de (Nicaragua)	Cone of Telica	1404-04=
Aguila, Cerro el (El Salvador)	Stratovolcano of Apaneca Range	1403-01=
Aguila, Cerro la (Mexico)	Stratovolc of Michoacan-Guanajuato	1401-06=
Aguila, Cerro Pico de (Mexico)	Stratovolcano of San Martin Pajapan	.....
Aguila, El (Argentina)	Cinder cone of Unnamed	.....
Aguila, El [San Antonio] (Mexico)	Stratovolcano of Tacana	1401-13=
Aguila, Pico del (Mexico)	Dome of Toluca, Nevado de	1401-07-
Aguilas, Las (Mexico)	Dome of Humeros, Los	1401-093
Aguilas, Volcan las (Chile-C)	Cone of Chillan, Nevados de	1507-07=
Aguilera (Chile-S)	Stratovolcano (2, -1250) Radiocarbon	**1508-062**
Aguilillas, Cerro (Mexico)	Cinder cone of Comondu-La Purisima	1401-012
Aguirre (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Agung (Lesser Sunda Is)	Stratovolcano (3, 1964) Historical	**0604-02=**
Agung (Java)	Crater of Guntur,	0603-13=
Aguroshi-yama (Honshu-Japan)	Cone of Kurikoma	0803-21=
Ahalapam Cinder Field (US-Oregon)	Synonym of North Sister Field	1202-07-
Ahalapan Cinder Field (US-Oregon)	Cinder cone of North Sister Field	1202-07-
Ahding Ingrid Mountain (Alaska-W)	Cone of Nunivak Island	1104-02-
Ahkiwiksnuk (Alaska-W)	Maar of Nunivak Island	1104-02-
Aholo, Volcan (Mexico)	Cone of Chichinautzin	1401-08=
Ahon, Tarso (Africa-N)	Volcanic field (None) Quaternary	.....
Ahrup (New Guinea-NE of)	Synonym of Long Island	0501-05=
Ahuacatlán, Volcan de (Mexico)	Synonym of Ceboruco	1401-03=
Ahuachapan (El Salvador)	Synonym of Apaneca Range	1403-01=
Ahuatepec, Cerro (Mexico)	Cone of Serdan-Oriental	1401-092
Ahuazatepetl, Volcan (Mexico)	Cinder cone of Chichinautzin	1401-08=
Ahumoa (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Ahyi (Mariana Is-C Pacific)	Submarine volcano (1, 2001) Seismicity	**0804-141**
Aielu (Ethiopia)	Synonym of Ayelu	0201-16=
Aigagin (Aleutian Is)	Synonym of Makushin	1101-31-
Aigina (Greece)	Synonym of Aegina	.....
Aiguanegra, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Aiguille Noire (Indian O.-S)	Cone of Kerguelen Islands	0304-02=
Ai-Laau (Hawaiian Is)	Shield volcano of Kilauea	1302-01-
Aileron (W Indies)	Dome of Pelee	1600-12=
Ain Temouchent (Africa-N)	Cone of Tafna Beni Saf	.....
Aino-mine (Honshu-Japan)	Cone of Kusatsu-Shirane	0803-12=
Ainu Tukap [Tukap] (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Aira (Kyushu-Japan)	Pleistocene caldera of Sakura-jima	0802-08=
Aird Hills (New Guinea)	Lava domes (None) Pleistocene	.....
Aire, Cerro del (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Aisepoet [Aeseput] (Sulawesi-Indonesia)	Cone of Soputan	0606-03=
Aitutaki (Pacific-C)	Shield volcano (None) Pleistocene	.....
Aiyansh Volcano (Canada)	Synonym of Tseax River Cone	1200-10-
Aiyina (Greece)	Synonym of Aegina	.....
Aizu Nunobiki (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Aizu-Fuji (Aizu-yama) (Honshu-Japan)	Synonym of Bandai	0803-16=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Ajagin (Ajagisch) (Aleutian Is)	Synonym of Makushin	1101-31-
Ajakan [Ayakan] (Java)	Crater of Guntur	0603-13=
Ajata, Volcanes de (Chile-N)	Cinder cone of Parinacota	1505-012
Ajek-Ajek (Java)	Caldera of Semeru	0603-30=
Ajel (Ethiopia)	Synonym of Ayelu	0201-16=
Ajelou (Ethiopia)	Synonym of Ayelu	0201-16=
Ajencha, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Ajer Panas [Ayer Panas] (Sumatra)	Thermal feature of Lumut Balai, Bukit	0601-24=
Ajusco, Volcan (Mexico)	Dome of Chichinautzin	1401-08=
Aka-dake (Hokkaido-Japan)	Stratovolcano of Daisetsu	0805-06=
Aka-dake (Kuril Is)	Synonym of Sinarka	0900-29=
Aka-dake (Honshu-Japan)	Stratovolcano of Yatsuga-take	.....
Akademia Nauk (Kamchatka)	Stratovolcanoes (4, 1996) Historical	**1000-125**
Akademia Nauk (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Akademia Nauk Springs (Kamchatka)	Thermal feature of Akademia Nauk	1000-125
Akagi (Honshu-Japan)	Stratovolcano (Uncertain) Holocene?	**0803-13=**
Akahani-yama (Honshu-Japan)	Stratovolcano of Bandai	0803-16=
Akai (Kyushu-Japan)	Cinder cone of Aso	0802-11=
Akaigawa (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Aka-jima (Kyushu-Japan)	Cone of Fukue-jima	0802-091
Akakubo (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Akakura (Honshu-Japan)	Thermal feature of Myoko	0803-10=
Akakura-dake (Honshu-Japan)	Cone of Hakkoda Group	0803-28=
Akamizu (Kyushu-Japan)	Thermal feature of Aso	0802-11=
Akan (Hokkaido-Japan)	Caldera (35, 2008) Historical	**0805-07=**
Akanagure (Honshu-Japan)	Dome of Hiuchi	0803-131
Akandana-yama (Honshu-Japan)	Stratovolcano of Yake-dake	0803-07=
Akan-Fuji (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Akan-Huzi [Akan-Fuji] (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Akan-Kohan (Hokkaido-Japan)	Thermal feature of Akan	0805-07=
Akasaka-Minami (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Akatsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Akausagi-yama (Honshu-Japan)	Stratovolcano of Kyoga-take	.....
Akazaki-no-mine (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Akazawa-kaikyu (Honshu-Japan)	Submarine vent of Izu-Tobu	0803-01=
Akerlundh (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Akhat (Mongolia)	Cone of Dariganga Volc Field	1003-04-
Akhlan (Kamchatka)	Synonym of Ichinsky	1000-28=
Akhomten (Kamchatka)	Cone of Mutnovsky	1000-06=
Akhtang (Kamchatka)	Shield volcano (None) Holocene?	**1000-32-**
Akhuachapan [Playon de Ahuachapan]	Thermal feature of Apaneca Range	1403-01=
Aki [Menshoi Brat] (Kuril Is)	Dome of Medvezhia	0900-10=
Akiloset Springs (Africa-E)	Thermal feature of Silali	0202-052
Akimoana (Hawaiian Is)	Submarine vent of Mauna Loa	1302-02=
Akita-Fuji (Honshu-Japan)	Synonym of Chokai	0803-22=
Akita-Komaga-take (Honshu-Japan)	Stratovolcanoes (18, 1971) Historical	**0803-23=**
Akita-Yake-yama (Honshu-Japan)	Stratovolcano (16, 1997) Historical	**0803-26=**
Akkktivnaya Voronka (Kamchatka)	Crater of Mutnovsky	1000-06=
Akmoan (Mindanao-Philippines)	Thermal feature of Matutum	0701-02=
Akoma, Tavani (Vanuatu-SW Pacific)	Cone of Kuwae	0507-07=
Aku (Russia-SE)	Cone of Udokan Plateau	1002-03-

Alexander Belousov (IVS, Kamchatka)

Karymsky Lake fills the 3 x 5 km **Akademia Nauk** caldera in Kamchatka, with erupting Karymsky volcano in the background. Akademia Nauk had its first historical eruption in 1996.

Akun (Aleutian Is)	Synonym of Gilbert, Mt	.....
Akuseki-jima (Ryukyu Is)	Stratovolcanoes (None) Holocene?	**0802-022**
Akutan (Aleutian Is)	Stratovolcano (39, 1992) Historical	**1101-32-**
Akwah, Jibal (Arabia)	Cones (None) Quaternary	.....
Al Harrah (Arabia)	Synonym of Shamah	.....
Al Wahbah (Arabia-W)	Maar of Kishb, Harrat	0301-071
Ala Dag (Turkey)	Cone of Kars Plateau	0103-05-
Alae (Hawaiian Is)	Former pit crater of Kilauea	1302-01-
Alaembakeo, Vuti (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Alagey (Armenia)	Synonym of Aragats	0104-06-
Alagogshak (Alaska Peninsula)	Stratovolcano of Martin	1102-14-
Alaid (Kuril Is)	Stratovolcano (11, 1996) Historical	**0900-39=**
Alaid (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Alamagan (Mariana Is-C Pacific)	Stratovolcano (2, 870) Radiocarbon	**0804-18=**
Alang (Java)	Stratovolcano of Dieng Volc Complex	0603-20=
Alapars (Armenia)	Dome of Ghegam Ridge	0104-07-
Al-Arab, Djebel (Syria)	Synonym of Druze, Jabal ad	0300-06-
Alauawa, Puu (Hawaiian Is)	Cone of Hualalai	1302-04-
Alayta (Ethiopia)	Shield volcano (2, 1915) Historical	**0201-112**
Albains, Monts (Italy)	Synonym of Alban Hills	0101-004
Alban Hills (Italy)	Caldera (Uncertain) Holocene?	**0101-004**
Alban Hills (Italy)	Synonym of Alban Hills	0101-004
Albano (Italy)	Maar of Alban Hills	0101-004
Albano, Monte (Italy)	Cinder cone of Etna	0101-06=
Albany Island (Galapagos)	Cone of Santiago	1503-09=
Albatross Point (Pacific-S)	Tuff cone of Antipodes Island	1305-01-
Albay Volcano (Luzon-Philippines)	Synonym of Mayon	0703-03=
Alberca, Cerro de la [Cerro de Pario] (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Alberca, La (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
Albert Park (New Zealand)	Cone of Auckland Field	0401-02=
Albert, Mt (New Zealand)	Cone of Auckland Field	0401-02=
Albine-Boldok (Russia-SE)	Cone of Azas Plateau	1002-07-
Albit Hut (Arabia-S)	Synonym of Bir Borhut	0301-18-
Albulhek (Mindanao-Philippines)	Cone of Matutum	0701-02=
Albuquerque (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Alcedo (Galapagos)	Shield volcano (2, 1993) Historical	**1503-04=**
Alchichica (Mexico)	Tuff ring of Serdan-Oriental	1401-092
Aldama Volc Field (Mexico)	Volcanic field (None) Quaternary	.....
Alder Creek (US-California)	Vent of Whaleback	.....
Alderman Islands (New Zealand)	Lava domes (None) Pleistocene?	.....
Al-djabal Al-aswad (Arabia-S)	Synonym of Sawad, Harra es-	0301-16-
Ale Bagu (Ethiopia)	Stratovolcano (None) Holocene	**0201-09=**
Alebbagu (Ethiopia)	Synonym of Ale Bagu	0201-09=
Alegria, Ausoles de la Laguna de (El Salv.)	Thermal feature of Tecapa	1403-08=
Alegria, Cerro (El Salvador)	Cone of Tecapa	1403-08=
Alessi, Djebel [Jabal el-Esi] (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Alexander Selkirk (Chile-Is)	Shield volcano (None) Pleistocene	.....
Alexander, Mt (W Indies)	Dome of St. Catherine	1600-17=
Alexandros (Greece)	Vent of Nisyros	0102-05=
Aleyone (Antarctica)	Cone of Pleiades, The	1900-013
Alferes, Caldeira do (Azores)	Cone of Sete Cidades	1802-08=
Alferes, Caldeira do (Azores)	Pumice ring of Sete Cidades	1802-08=
Alfred Picard, Cratere (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Alftakvislarhraun (Iceland-S)	Fissure vent of Katla	1702-03=
Alftarholl (Iceland-SW)	Crater of Grimsnes	1701-06=
Al-Haruj al Aswad (Africa-N)	Synonym of Haruj	0205-007
Al-Hayloh, Jibal (Arabia)	Cone (None) Quaternary	.....
Ali Bogo (Ethiopia)	Synonym of Erta Ale	0201-08=
Ali Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Alianngei (Kamchatka)	Synonym of Ichinsky	1000-28=
Aliante (Chile-C)	Synonym of Llaima	1507-11=
Alice Arm (Canada)	Volcanic field (None) Pleistocene	.....
Alicudi (Italy)	Stratovolcano (None) Pleistocene	.....
Alid (Ethiopia)	Stratovolcano (None) Holocene	**0201-04=**
Alimelali (Ethiopia)	Cone (None) Pleistocene	.....
Alit (Ethiopia)	Synonym of Alid	0201-04=
Alitar (Chile-N)	Maar of Purico Complex	1505-094
Aljanngej (Kamchatka)	Synonym of Ichinsky	1000-28=
Aljojuca (Mexico)	Maar of Serdan-Oriental	1401-092
Al-khurdj Bal Djild [Khurdj El-Aisar] (Arabia-S)	Tuff cone of Haylan, Jabal	0301-11-
Alligator Lake (Canada)	Volcanic field (None) Holocene	**1200-02-**
Alligator Lake (Luzon-Philippines)	Maar of San Pablo Volc Field	0703-06=
Alma, Piton l' (W Indies)	Dome of Carbets, Pitons de	.....
Almarchiga [Volcan de Fasnia] (Canary Is)	Cinder cone of Tenerife	1803-03-
Almasigahan (Luzon-Philippines)	Dome of Labo	.....
Almenningahraun (Iceland-S)	Fissure vent of Katla	1702-03=
Almolonga (Guatemala)	Stratovolcano (3, 1818) Historical	**1402-04=**
Almolonga, Baños (Guatemala)	Thermal feature of Almolonga	1402-04=
Almonza (Italy)	Vent of Pantelleria	0101-071
Alnei (Kamchatka)	Synonym of Ichinsky	1000-28=
Alnei [Alney] (Kamchatka)	Stratovolc. of Alney-Chashakondzha	1000-45-
Alney (Kamchatka)	Stratovolc. of Alney-Chashakondzha	1000-45-
Alney-Chashakondzha (Kamchatka)	Stratovolcano (3, 1600) Radiocarbon	**1000-45-**
Alngei (Kamchatka)	Synonym of Alngey	1000-60-
Alngey (Kamchatka)	Stratovolcano (None) Holocene?	**1000-60-**
Alofau (Samoa-SW Pacific)	Pleistocene caldera of Tutuila	0404-02-
Aloi (Hawaiian Is)	Former pit crater of Kilauea	1302-01-
Alon, Mt (Halmahera-Indonesia)	Cone of Gamkonora	0608-04=
Alpehue (Chile-C)	Crater of Sollipulli	1507-111
Alpha (Russia-NE)	Cinder cone of Aluchin Group	.....
Alsey (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Alta Gracia (Nicaragua)	Cinder cone of Concepcion	1404-12=
Alta, Montana (Canary Is)	Cone of Gran Canaria	1803-04-
Altar (Ecuador)	Stratovolcano (None) Pleistocene	.....
Alter Voss (Germany)	Cone of West Eifel Volc Field	0100-01-
Altinetes, Pico (Azores)	Dome of Agua de Pau	1802-09=
Alto (Philippines-C)	Compound volcano (None) Pleistocene	.....
Alto (Spanish for Peak) see proper name (e.g. Santano, Alto de)		
Alto del Padre, Cerro (Chile-C)	Synonym of Sordo Lucas	.....
Alto Grande, Cerro (Costa Rica)	Cone of Irazu	1405-06=
Alto la China (Colombia)	Pyrocl. cone of San Augustin-Isnos	.....
Alto, Cerro (El Salvador)	Cinder cone of Coatepeque Caldera	1403-041
Alto, Cerro (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Alto, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Alto, Cerro (Mexico)	Dome of Primavera, Sierra la	.....
Alto, Cerro (Mexico)	Stratovolcano of San Juan	.....
Alto, Pico (Azores)	Stratovolcano of Terceira	1802-05=
Alu (Ethiopia)	Fissure vents (None) Holocene	**0201-06=**
Aluchin Group (Russia-NE)	Pyroclastic cones (None) Pleistocene	.....
Alunalun (Java)	Crater of Papandayan	0603-10=

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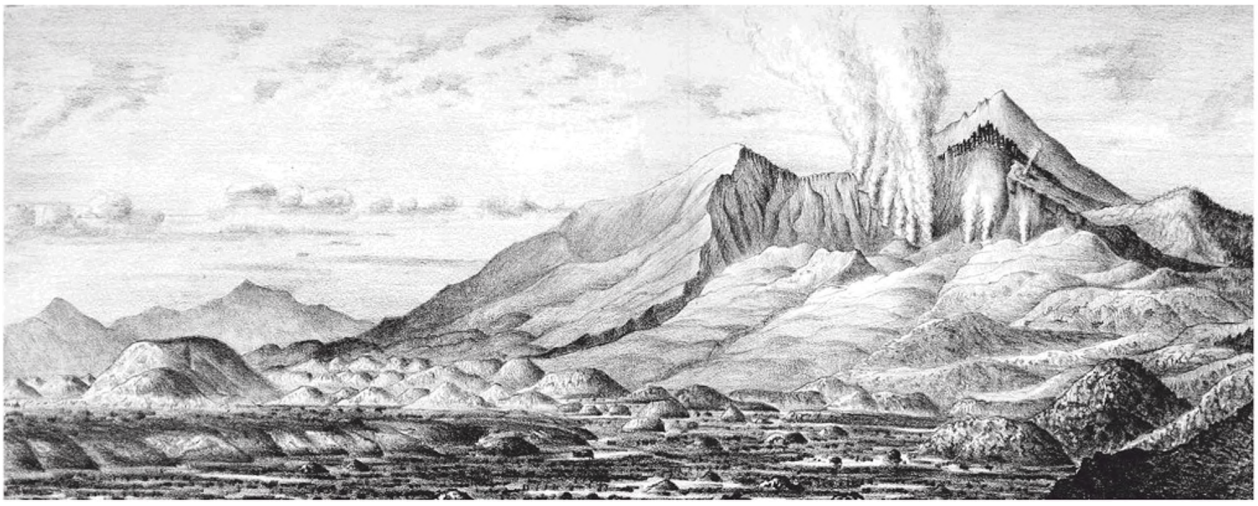
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Bambuluwe, Lake (Africa-W)	Maar of Oku Volc Field	0204-03-
Bamni (Armenia)	Synonym of Porak	0104-09-
Bamus (New Britain-SW Pac)	Stratovolcano (4, 1886) Anthropology	**0502-11=**
Ban Chay (SE Asia)	Unknown (None) Pleistocene	.....
Ban Chiang Khian (SE Asia)	Unknown (None) Pleistocene	.....
Ban Hui Sai (SE Asia)	Unknown (None) Pleistocene	.....
Banahao (Luzon-Philippines)	Synonym of Banahaw	0703-05=
Banahaw (Luzon-Philippines)	Complex volcano (Uncertain) Holocene	**0703-05=**
Banahaw de Lucban (Luzon-Philippines)	Stratovolcano of Banahaw	0703-05=
Banajao (Luzon-Philippines)	Synonym of Banahaw	0703-05=
Banban (New Britain-SW Pac)	Stratovolcano (None) Post-Miocene	.....
Banbanlongwan (China-E)	Crater of Longgang Group	1005-05-
Bancah Caldera (Sumatra)	Caldera of Marapi	0601-14=
Bancen (Java)	Thermal feature of Merbabu	0603-24=
Banco Di Nisida (Italy)	Tuff cone of Campi Flegrei	0101-01=
Banco Miseno (Italy)	Cone of Campi Flegrei	0101-01=
Banco, El (Mexico)	Maar of Santo Domingo Volc Field	.....
Banda Api (Banda Sea)	Caldera (23, 1988) Historical	**0605-09=**
Bandai (Honshu-Japan)	Stratovolcano (11, 1888) Historical	**0803-16=**
Bandaiko Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Bandai-san (Honshu-Japan)	Synonym of Bandai	0803-16=
Bandama, Caldera de (Canary Is)	Maar of Gran Canaria	1803-04-
Bandera Crater (US-New Mexico)	Cone of Zuni-Bandera	1210-02-
Bandera Lava Field (US-New Mexico)	Synonym of Zuni-Bandera	1210-02-
Bandera, Cerro (US-New Mexico)	Cinder cone of Zuni-Bandera	1210-02-
Bandera, Cerro de la (El Salvador)	Synonym of Conchagua	1403-11=
Banderas, Cerro las (Nicaragua)	Dome of Zapatera	1404-111
Banga-banga (Luzon-Philippines)	Dome of Labo	.....
Bangeshan (SE Asia)	Cone of Tengchong	0705-11-
Bango (New Britain-SW Pac)	Synonym of Pago	0502-08=
Bangum (New Britain-SW Pac)	Stratovolcano (None) Pleistocene	.....
Bani Abdullah, Harrat (Arabia-W)	Volcanic field of Rahat, Harrat	0301-07=
Bannieres, Puy des (France)	Cone of Chaine des Puys	0100-02-
Bannoe Lake (Kamchatka)	Maar of Uzon	1000-17=
Banoea Woehoe (Sangihe Is-Indonesia)	Synonym of Banua Wuhu	0607-03=
Baños (Spanish for Spa) see proper name (e.g. Azufrados, Baños)		
Baños, Crateres de los (Chile-C)	Dome of Maule, Laguna del	1507-061
Baños, Los (Argentina)	Thermal feature of Tromen	1507-072
Banos, Nevado de los (Chile-C)	Synonym of Planchon-Peteroa	1507-04=
Bantjah Caldera [Bancah Caldera] (Sumatra)	Caldera of Marapi	0601-14=
Banua Bauja (Banua Bauya) (Indonesia)	Synonym of Banua Wuhu	0607-03=
Banua Wuhu (Sangihe Is-Indonesia)	Submarine volcano (6, 1919) Historical	**0607-03=**
Ban-yagamine (Ryukyu Is)	Stratovolcano of Kuchinoerabu-jima	0802-05=
Banyudeng Hot Spring (Lesser Sunda Is)	Thermal feature of Bratan	0604-001
Barachuma, Gof (Africa-E)	Maar of Marsabit	0202-021
Barahona (Guatemala)	Calderas (None) Pleistocene	.....
Barahona, Cerro (Galapagos)	Pyroclastic cone of Negra, Sierra	1503-05=
Bar-Ali (Ethiopia)	Synonym of Dabbayra	0201-114
Bar-Ali (Ethiopia)	Cone of Dabbayra	0201-114
Baranii [Barany] (Kamchatka)	Stratovolcano of Gamchen	1000-21=
Baranii Amphitheater [Barany Amphitheater]	Crater of Opala	1000-08=
Baranly (Kamchatka)	Unknown (None) Pleistocene	.....
Baranskii (Kuril Is)	Synonym of Baransky	0900-08=
Baransky (Kuril Is)	Stratovolcano (3, 1951) Historical	**0900-08=**
Barany (Kamchatka)	Stratovolcano of Gamchen	1000-21=
Barany Amphitheater (Kamchatka)	Crater of Opala	1000-08=
Bararumbo (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Barba (Costa Rica)	Synonym of Barva	1405-05=
Barberena, Cerrito de (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Barca, Monte (Italy)	Cinder cone of Etna	0101-06=
Barcena (Mexico-Is)	Cinder cones (1, 1953) Historical	**1401-02=**
Bardarbunga (Iceland-NE)	Stratovolcano (43, 1910) Historical	**1703-03=**
Bardarlaug (Iceland-W)	Cone of Snaefellsjokull	1700-01=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Bare Mountain (US-Washington)	Cone of West Crater	1201-06-
Baricca [Bericha] (Ethiopia)	Stratovolcano of Boset-Bericha	0201-21-
Baricha [Bericha] (Ethiopia)	Stratovolcano of Boset-Bericha	0201-21-
Barik (New Guinea-NE of)	Stratovolcano of Umboi	0501-06=
Barker Crater (Australia)	Crater of Chudleigh Volc Province	.....
Barker Crater (Australia)	Crater of McBride Volc Province	.....
Barkhatnaya (Kamchatka)	Cone of Vilyuchik	1000-083
Barkhatnaya Sopka (Kamchatka)	Lava domes (1, -3550) Tephrochron	**1000-084**
Barme, Puy de (France)	Cone of Chaine des Puys	0100-02-
Barnabe, Pico (Azores)	Dome of Agua de Pau	1802-09=
Barnaborg (Iceland-W)	Cone of Ljosufjoll	1700-03=
Barombe Koto, Lake (Africa-W)	Maar of Tombel Graben	0204-011
Barombe Mbo, Lake (Africa-W)	Maar of Tombel Graben	0204-011
Baros (Sumatra)	Cone of Sibayak	0601-07=
Barrancas, Cerro (Chile-C)	Cone of Maule, Laguna del	1507-061
Barrancas, Volcan (Chile-C)	Dome of Maule, Laguna del	1507-061
Barranco Negro, Cerro (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Barranco, El (Nicaragua)	Maar of Cosiguina	1404-01=
Barranes Colorado (Chile-S)	Cone of Huequi	1508-03=
Barrantes, Loma (Costa Rica)	Cinder cone of Platanar	1405-034
Barren Island (Andaman Is-Indian O)	Stratovolcano (9, 2010) Historical	**0600-01=**
Barrera, Cerro (Costa Rica)	Cone of Tenorio	1405-031
Barrier, The (Africa-E)	Shield volcano (10, 1921) Historical	**0202-03=**
Barril, Cerro el (Mexico)	Cinder cone of Moctezuma Volc Field	.....
Barrine, Lake (Australia)	Maar of Atherton Volc Province	.....
Barrington Island (Galapagos)	Synonym of Santa Fe	.....
Bartholome, Pic (Africa-C)	Stratovolcano of Karisimbi	0203-04-
Bartholomew Island (Galapagos)	Crater of Santiago	1503-09=
Bartoi Group (Russia-SE)	Cinder cone of Dgida Basin	.....
Bartolinas, Cerro (Mexico)	Dome of San Pedro	.....
Baru (Java)	Crater of Gede	0603-06=
Baru (Panama)	Stratovolcano (8, 1550) Historical	**1406-01-**
Baru [Gunung Barujari] (Lesser Sunda Is)	Cone of Rinjani	0604-03=
Baru, Kaba (Sumatra)	Crater of Kaba	0601-22=
Baru, Kawah (Java)	Crater of Papandayan	0603-10=
Baru, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Barujari, Gunung (Lesser Sunda Is)	Cone of Rinjani	0604-03=
Baruku (Solomon Is-SW Pacific)	Synonym of Mborokua	.....
Barun Khobol (Russia-SE)	Stratovolcano of Dgida Basin	.....
Barun-Nerte-Ula (Mongolia)	Cone of Dariganga Volc Field	1003-04-
Barus, Bukit (Sumatra)	Cone of Sibayak	0601-07=
Baruta (Africa-C)	Stratovolcano of Nyiragongo	0203-03=
Barva (Costa Rica)	Complex volcano (1, -6050) Tephrochron	**1405-05=**
Bas Dong Nai (SE Asia)	Volcanic field (None) Holocene?	**0705-05-**
Bas Song Be (SE Asia)	Volcanic field (None) Pleistocene	.....
Basak, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Basalt Knob (Alaska-E)	Cone (None) Quaternary	.....
Basanjo (Africa-E)	Synonym of Lengai, Ol Doinyo	0202-12=
Basar (Sumatra)	Synonym of Besar	0601-25=
Basen (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Basile, Pico de (Africa-W)	Synonym of Santa Isabel	0204-004
Basiluzzo (Italy)	Dome of Panarea	0101-041
Bass Marle (Africa-E)	Synonym of Central Island	0202-01=
Basso Narok (Africa-E)	Synonym of Central Island	0202-01=
Bastioni Hill (Africa-E)	Dome of Meru	0202-16=
Baston (Colombia)	Crater of Galeras	1501-08=
Basu (Mexico)	Cinder cone of San Quintin Volc Field	1401-002
Batang (Java)	Dome of Merapi	0603-25=
Batapona Mountain (Admiralty Is-SW Pacific)	Cone of Baluan	0500-02-
Batchelors Crater (Australia)	Crater of Chudleigh Volc Province	.....
Batea, La (Mexico)	Cone of Michoacan-Guanajuato	1401-06=
Bathhouse Spring (US-New Mexico)	Thermal feature of Valles Caldera	.....
Batidoras, Las (Nicaragua)	Thermal feature of Cosiguina	1404-01=



Conical debris-avalanche hummocks in the foreground orignated from the 1888 collapse of **Bandai** volcano in Japan. Steam plumes rise from fissures in the large horseshoe-shaped crater in the background created by the collapse. The 1.5 km³ debris avalanche dammed river drainages, forming five new lakes.

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Borawli (Ethiopia)	Stratovolcano (None) Holocene	**0201-107**
Border Mountain (US-California)	Cone of Medicine Lake	1203-02-
Bordoncillo (Colombia)	Unknown (None) Post-Miocene	.....
Borele-ali (Ethiopia)	Synonym of Borale Ale	0201-071
Bor-eli (Ethiopia)	Synonym of Borale Ale	0201-071
Borgahraun (Iceland-NE)	Fissure vent of Theistareykjarbunga	1703-09=
Borgarholar (Iceland-SW)	Cone of Grimsnes	1701-06=
Borgarhraun (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Borghetto (Italy)	Pyroclastic cone of Ernici, Monti	.....
Boriatiko Vouno (Greece)	Dome of Nisyros	0102-05=
Boring Lava (US-Oregon)	Volcanic field (None) Pleistocene	.....
Boriquen (Costa Rica)	Thermal feature of Rincon de la Vieja	1405-02=
Borisyak, Mt (Kuril Is)	Cone of Lomonosov Group	0900-351
Boro, Gof (Africa-E)	Maar of Marsabit	0202-021
Borokua (Solomon Is-SW Pacific)	Synonym of Mborokua	.....
Borrego, Cerro el (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Bort (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Bortovaya (Kamchatka)	Dome of Uzon	1000-17=
Bory (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Borzov (Kuril Is)	Cone of Kolokol Group	0900-12=
Bosavi (New Guinea)	Stratovolcano (None) Pleistocene	.....
Boschan [Pechan] (China-W)	Cone of Tianshan Volc Group	1004-02-
Bosco dei Conti (Italy)	Cone of Ischia	0101-03=
Bosco Della Maddalena (Italy)	Stratovolcano of Ischia	0101-03=
Boset (Ethiopia)	Stratovolcano of Boset-Bericha	0201-21-
Boset-Bericha (Ethiopia)	Stratovolcanoes (None) Holocene	**0201-21-**
Boseti-Bariccia (Ethiopia)	Synonym of Boset-Bericha	0201-21-
Boseti-Bericcia [Bericha] (Ethiopia)	Stratovolcano of Boset-Bericha	0201-21-
Boseti-Gudda [Boset] (Ethiopia)	Stratovolcano of Boset-Bericha	0201-21-
Bo-shan (China-E)	Synonym of Wudalianchi	1005-03-
Bosotlán (El Salvador)	Synonym of San Miguel	1403-10=
Bosque Alegre (Costa Rica)	Maar of Poas	1405-04=
Bosque, El (Nicaragua)	Dome of Rota	1404-06-
Boss Mountain (Canada)	Cone of Quesnel Cone Group	.....
Botija, Montaña la (Canary Is)	Cinder cone of Tenerife	1803-03-
Botijuela, Cerro la (Argentina)	Dome of Antofalla	.....
Botnahraun (Iceland-NE)	Fissure vent of Askja	1703-06=
Botnahraun (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Botna-Skyrtunna (Iceland-W)	Cone of Ljosufjoll	1700-03=
Botos (Costa Rica)	Stratovolcano of Poas	1405-04=
Botos, Los (Costa Rica)	Synonym of Poas	1405-04=
Bottom Hill (W Indies)	Dome of Saba	1600-01=
Boucher, Piton (W Indies)	Dome of Carbets, Pitons de	.....
Bouillante Chain (W Indies)	Maars (None) Pleistocene-Hot Springs	.....
Bouillante, Pitons de (W Indies)	Stratovolcano of Axial Chain	.....
Boulder Cones (Antarctica)	Cone of Hut Point Peninsula	.....
Bouvet (Atlantic-S)	Shield volcano (1, -50) Magnetism	**1806-02-**
Bouvetoya (Atlantic-S)	Synonym of Bouvet	1806-02-
Bove, Valle del (Italy)	Caldera of Etna	0101-06=
Boven (W Indies)	Cone of Northern Centres	.....
Boven (W Indies)	Stratovolcano of Quill, The	1600-02=
Bowden Crater (US-Oregon)	Synonym of Jackies Butte	.....
Bowers Knoll (US-Utah)	Cone of Markagunt Plateau	1207-04-
Bowman Hill (Australia)	Cone of McBride Volc Province	.....
Boyd Ridge (Antarctica)	Cone of Crary Group	.....
Boyna (Ethiopia)	Synonym of Dabbahu	0201-113
Boz Dag (Turkey)	Cone of Erciyes Dagi	0103-01=
Boz Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Bozu-jigoku (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Brabant Island (Antarctica)	Volcanic field (None) Pleistocene	.....
Bradleys Hill (Australia)	Cone of Atherton Volc Province	.....
Brama [Bromo] (Java)	Cinder cone of Tengger Caldera	0603-31=
Branca, Caldeira (Azores)	Maar of Flores	1802-001
Branca, Caldera (Africa-C)	Pleistocene caldera of Karisimbi	0203-04-
Branca, Mont (Indian O.-S)	Cone of Possession, Ile de la	0304-04-
Branco, Pico (Atlantic-C)	Dome of Trindade	1805-051
Brandur (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Brasil, Cerro (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Brasil, Monte (Azores)	Cone of Terceira	1802-05=
Brat Chirpoev (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Bratan (Lesser Sunda Is)	Caldera (None) Holocene	**0604-001**
Braun [Von Seebach] (Costa Rica)	Cone of Rincon de la Vieja	1405-02=
Brava (Cape Verde Is)	Stratovolcano (None) Holocene	**1804-02-**
Bravard (Chile-C)	Synonym of Tupungatito	1507-01=
Bravas, Lagunas (Chile-N)	Synonym of Nevada, Sierra	1505-123
Bravo, Cerro (Colombia)	Stratovolcano (8, 1720) Radiocarbon	**1501-012**
Breached Cone (Antarctica)	Cone of Hut Point Peninsula	.....
Bredes, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Breidabunga (Iceland-SE)	Subglacial volcano (None) Pleistocene	.....
Breña, La (Mexico)	Maar of Durango Volc Field	1401-022
Brenal (Mexico)	Synonym of Durango Volc Field	1401-022
Brennisteinsfjoll (Iceland-SW)	Crater rows (9, 1341) Historical	**1701-04=**
Brennisteinsgigar (Iceland-SW)	Synonym of Brennisteinsfjoll	1701-04=
Brew, Mount (Canada)	Vent of Garibaldi Lake	1200-19-
Brewster, Mount (Antarctica)	Shield volcano of Daniell Peninsula	.....
Bridge River Cones (Canada)	Volcanic field (None) Holocene	**1200-17-**
Bridge River Vent (Canada)	Vent of Meager	1200-18-
Bridgeman Island (Antarctica)	Stratovolcano (None) Uncertain	**1900-04=**
Bridgman Island (Antarctica)	Synonym of Bridgeman Island	1900-04=
Bridlicna (Czech)	Cone of Unnamed	.....
Brighton (W Indies)	Cinder cone of Grand Bonhomme	.....
Brillantes, Montagnas (Alaska-SW)	Synonym of Iliamna	1103-02-
Brimstone Hill (W Indies)	Dome of Liamuiga	1600-03=
Brimstone Island (Kermadec Is)	(None) Not a Volcano	0402-02=
Brimstone Pit (Mariana Is-C Pacific)	Crater of NW Rota-1	0804-211
Brinco del Diablo, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Bristol Island (Antarctica)	Stratovolcano (5, 1956) Historical	**1900-08=**
Brito, Cerro de (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Broad Acres (Africa-E)	Dome of Olkaria	0202-09=
Broadlands (New Zealand)	Thermal feature of Reporoa	0401-06-
Brockman Flat (US-California)	Synonym of Eagle Lake Field	1203-09-
Broken Back (US-New Mexico)	Crater of Carrizozo	1210-01-
Broken Island (Africa-E)	Crater of Central Island	0202-01=
Broken Top (US-Oregon)	Stratovolcano (None) Pleistocene	.....
Broken Top (US-Idaho)	Cone of Craters of the Moon	1204-02-
Brokeoff Mountain (US-California)	Stratovolcano of Lassen Volc Center	1203-08-
Bromfield Swamp (Australia)	Crater of Atherton Volc Province	.....
Bromo (Java)	Cinder cone of Tengger Caldera	0603-31=
Bromo-Tengger Caldera (Java)	Synonym of Tengger Caldera	0603-31=

USGS (AVO)

Lava dome remnants from three historical eruptions can be seen in this aerial view of **Bogoslof** Island in the Aleutians. The dome in the center foreground was formed during the most recent eruption of Bogoslof in 1992. The steep-sided pinnacle behind it is Castle Rock (also referred to as Old Bogoslof), a remnant of a 1796 lava dome. The circular, flat-topped area to the right is a remnant of a 1927 lava dome.

Brontona Island (Kuril Is)	Unknown (None) Pleistocene	.....
Brothers (New Zealand)	Submarine volcano (None) Fumarolic	**0401-15-**
Brothers, the (Australia)	Cone of Mclean Volc Province	.....
Broughton Island (Kuril Is)	Synonym of Brontona Island	.....
Brouton Caldera (Kuril Is)	Caldera of Urataman	0900-191
Broutona (Kuril Is)	Synonym of Brontona Island	.....
Brown Mountain (US-Oregon)	Shield volcano (None) Pleistocene	.....
Brown Peak (Antarctica)	Synonym of Sturge Island	1900-012
Brown's Island [Motukorea] (New Zealand)	Cone of Auckland Field	0401-02=
Bruce (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Bruciata, Cuddia (Italy)	Cone of Pantelleria	0101-071
Brück (Germany)	Crater of West Eifel Volc Field	0100-01-
Bruja, Loma la (Nicaragua)	Dome of San Cristobal	1404-02=
Brujillo, Cerro (Guatemala)	Lava cone of Ixtepeque	1402-18-
Brujo, Cerro (Galapagos)	Tuff cone of San Cristobal	1503-12-
Brujo, Cerro el (Mexico)	Shield volcano of Serdán-Oriental	1401-092
Brujo, El (Guatemala)	Vent of Santa Maria	1402-03=
Bruiant (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Brulé du Baril (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Brules, Morne (W Indies)	Dome of Diables, Morne aux	1600-08=
Brulot (Indian O.-S)	Cone of Amsterdam Island	0304-001
Brunaborg [Hrossadaliur] (Iceland-NE)	Crater Row of Krafla	1703-08=
Brunagigir (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Brushy Butte (US-California)	Shield volcano (None) Holocene?	**1203-03-**
Bryant Beach (New Zealand)	Cone of Kariol	.....
Brydjuhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Brytalaekir (Iceland-S)	Fissure vent of Katla	1702-03=
Bu Jerman (SE Asia)	Shield volcano of Haut Dong Nai	0705-04-
Bu Kong Rong (SE Asia)	Caldera of Haut Dong Nai	0705-04-
Bual Buali (Sumatra)	Synonym of Sibualbuali	0601-11=
Bubay, Mt (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Bubochka (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Bu-caldera (Greece)	Pleistocene caldera of Santorini	0102-04=
Buck Butte (US-California)	Cone of Medicine Lake	1203-02-
Buck Hill (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Buck Knoll (US-Utah)	Cinder cone of Bald Knoll	1207-03-
Buckhorn Lake (US-California)	Cinder cone of Silver Lake	1203-05-
Buckle Island (Antarctica)	Stratovolcano (2, 1899) Historical	**1900-01=**
Bucu, Gunung (Java)	Cone of Dieng Volc Complex	0603-20=
Bud Dajo (Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Budaklettur (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Budamado Hayk (Ethiopia)	Crater of Bilate River Field	0201-291
Buddajo [Bud Dajo] (Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Budugasu, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Buduli (Kamchatka)	Shield volcano (None) Pleistocene	.....
Buena Vista, Cerro (El Salvador)	Stratovolcano (None) Pleistocene	.....
Buena Vista, Cerro (El Salvador)	Dome of Ilopango	1403-06=
Buena Vista, Cerro (Guatemala)	Cinder cone of Moyuta	1402-13-
Buenavista (Ecuador)	Dome of Chalupas	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Buenavista (Mexico)	Vent of Iztaccihuatl	1401-082
Buenavista Tomatlan, Cerro (Mexico)	Shield volc of Michoacan-Guanajuato	1401-06=
Buenos Aires (Costa Rica)	Cinder cone of Platanar	1405-034
Buenventura Spring (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
Buey, Crater del (Chile-C)	Crater of Mocho-Choshuenco	1507-13=
Buey, Laguna la (Colombia)	Crater of Purace	1501-06=
Bueyes, Cerro de los (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Buffalo Valley (US-Nevada)	Volcanic field (None) Pleistocene	.....
Bufumbira (Africa-C)	Cinder cones (None) Holocene?	**0203-07-**
Bug Island (Africa-E)	Crater of Central Island	0202-01=
Buga (Mindanao-Philippines)	Cone of Imbing	.....
Bugeshi (Africa-C)	Cone of Karisimbi	0203-04-
Bugogo (Africa-C)	Cone of Nyiragongo	0203-03=
Bugumba (Africa-C)	Tuff cone of Fort Portal	0203-001
Bugwaye (Africa-C)	Crater of Bunyaruguru	0203-004
Buhangin (Mindanao-Philippines)	Dome of Paco	0701-09-

Chris Newhall (USGS)

Bulusan volcano in southern Luzon, Philippines, rises above the flat floor of the 11-km-wide Pleistocene Irosin caldera and was constructed over its northern rim.

Buhara (Africa-C)	Tuff cone of Fort Portal	0203-001
Buhi (Luzon-Philippines)	Synonym of Malinao	.....
Buho (Luzon-Philippines)	Dome of Banahaw	0703-05=
Buhubie (Africa-C)	Cone of Nyamuragira	0203-02=
Buhuma (Africa-C)	Cone of Nyiragongo	0203-03=
Bujishan (China-E)	Cone of Datong-Fengzen	.....
Bukit, Bur (Indonesian for Hill, Mt.) see proper name (e.g. Daun, Bukit)		
Bukoli (Africa-C)	Cone of Nyamuragira	0203-02=
Bula (New Britain-SW Pac)	Synonym of Bola	0502-05=
Bulal Volc Field (Ethiopia)	Synonym of Mega Basalt Field	0201-33-
Bulalo, Mt. (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Buldir (Aleutian Is)	Stratovolcano (None) Holocene?	**1101-01-**
Bulengira (Africa-C)	Cone of Karisimbi	0203-04-
Bulengo (Africa-C)	Cone of Nyiragongo	0203-03=
Bulgan Volc Field (Mongolia)	Synonym of Khanuy Gol	1003-02-
Bulienmerri, Lake (Australia)	Tuff ring of Newer Volcanics Prov	0509-01-
Buliran, Kawah (Java)	Thermal feature of Kamojang, Kawah	.....
Bulka (Kamchatka)	Dome of Avachinsky	1000-10=
Bull (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Bullarook Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Bullengarook, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Bulochka (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Bulu (New Britain-SW Pac)	Synonym of Bola	0502-05=
Bulu [Gulu] (New Britain-SW Pac)	Cone of Langila	0502-01=
Bulumorsum (Admiralty Is-SW Pacific)	Cone of St. Andrew Strait	0500-01=
Bulusan (Luzon-Philippines)	Stratovolcanoes (18, 2007) Historical	**0703-01=**
Bumabag (Luzon-Philippines)	Stratovolcano of Ambalatungan Group	0703-088
Bumpass Hell (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Bumpass Mountain (US-California)	Dome of Lassen Volc Center	1203-08-
Bunaga [Cerisy Peak] (New Guinea-NE of)	Stratovolcano of Long Island	0501-05=
Bunanya (Kamchatka)	Shield volcano of Kekurny	1000-41-
Bunanya (Kamchatka)	Shield volcano of Uksichan	1000-35-
Bunbulan (Lesser Sunda Is)	Crater of Batur	0604-01=
Bunbulan, Gunung (Lesser Sunda Is)	Dome of Batur	0604-01=
Bundaberg-Boyne Province (Austr.)	Pyroclastic cones (None) Pleistocene	.....
Bunder (Lesser Sunda Is)	Cone of Batur	0604-01=
Bundjuli (Africa-C)	Cone of Karisimbi	0203-04-
Bungbrung (Java)	Crater of Papandayan	0603-10=
Bungsu (Sumatra)	Cone of Gadut-Bungsu	.....
Bungsu, Kapundan [Kepundan Bungsu]	Crater of Marapi	0601-14=
Buninyong, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Bunker Hill (W Indies)	Dome of Saba	1600-01=
Bunnell Butte (US-Washington)	Cinder cone of Adams	1201-04-
Bunot, Lake (Luzon-Philippines)	Maar of San Pablo Volc Field	0703-06=
Buntak, Bukit (Sumatra)	Cone of Kerinci	0601-17=
Buntuk Gede, Gunung (Java)	Vent of Sundoro	0603-21=
Bunuholar (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Bunyampaka [Kasenyi] (Africa-C)	Tuff cone of Katwe-Kikorongo	0203-003
Bunyaro (Africa-C)	Cone of Visoke	0203-05-
Bunyaruguru (Africa-C)	Maars (None) Holocene	**0203-004**
Bunyogwe (Africa-C)	Cone of Karisimbi	0203-04-
Bunyoke (Africa-C)	Cone of Visoke	0203-05-
Buqum, Harrat al (Arabia)	Volcanic field of Nawasif, Harrat	.....
Buraco, Pico do (Azores)	Dome of Furnas	1802-10=
Burak (Lesser Sunda Is)	Crater of Lerobleng	0604-20=
Burauen (Philippines-C)	Synonym of Mahagnao	0702-07=
Buraya (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Burevestnik (Kuril Is)	Cone of Bogatyr Ridge	0900-06-
Burfell (Iceland-NE)	Tuya (None) Pleistocene	.....
Burfell (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Burfell I Olfusi (Iceland-SW)	Shield volcano of Hengill	1701-05=
Burfellshraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Burgess Island (New Zealand)	Cone of Mokohinau Islands	.....
Burilan (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Buriram (SE Asia)	Unknown (None) Pleistocene	.....
Burko (Africa-E)	Stratovolcano (None) Pleistocene	.....
Burliastchy [Burlyashchy] (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Burlich (Germany)	Tuff cone of West Eifel Volc Field	0100-01-
Burlow Hill (Africa-E)	Dome of Meru	0202-16=
Burlyashchy (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Burn Butte (US-Oregon)	Cone of Cappy Mountain	.....
Burney Mountain (US-California)	Lava domes (None) Pleistocene	.....
Burney, Monte (Chile-S)	Stratovolcano (?, 1910) Historical	**1508-07=**
Burning Mountain (Alaska-SW)	Synonym of Iliamna	1103-02-
Burning Volcano (Aleutian Is)	Synonym of Gareloi	1101-07-
Burnt Lava Flow (US-California)	Cone of Medicine Lake	1203-02-
Burnt Mountain (Alaska-SW)	Synonym of Redoubt	1103-03-
Burnthill (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Burr, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Burro, Cerro el (Mexico)	Dome of Michoacán-Guanajuato	1401-06=
Burru, Doinyo (Africa-E)	Synonym of Eburru, Ol Doinyo	0202-08=
Bursey, Mt. (Antarctica)	Shield volcanoes (None) Pleistocene	.....
Buru (New Britain-SW Pac)	Caldera of Pago	0502-08=
Buru, Doinyo (Africa-E)	Synonym of Eburru, Ol Doinyo	0202-08=
Bushenye (Africa-C)	Cone of Nyiragongo	0203-03=
Bushwaga (Africa-C)	Cone of Nyiragongo	0203-03=
Bus-Obo (Mongolia)	Cinder cone (None) Holocene?	**1003-03-**
Busui (New Britain-SW Pac)	Caldera of Oto Group	.....
Butajiri-Silti Field (Ethiopia)	Fissure vents (None) Holocene	**0201-26-**
Butak (Java)	Cone of Dieng Volc Complex	0603-20=
Butak Petarangan (Java)	Cone of Dieng Volc Complex	0603-20=
Butak, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Butak, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Butaka (Africa-C)	Cone of Karisimbi	0203-04-
Butay, Mt. (Mindanao-Philippines)	Stratovolcano of Camiguin	0701-08=
Butler's Mountain (W Indies)	Dome of Nevis Peak	1600-04=
Butte Creek (US-California)	Vent of Whaleback	.....
Button Hill (Africa-E)	Dome of Meru	0202-16=
Butubut, Mt. (Vanuatu-SW Pacific)	Cone of Kuwae	0507-07=
Butus, Gunung (Lesser Sunda Is)	Cone of Batur	0604-01=
Buyan-Bratan (Lesser Sunda Is)	Synonym of Bratan	0604-001
Buyuk Agri Dagi (Turkey)	Synonym of Ararat	0103-04-
Buyuk Kizil Tepe (Turkey)	Cone of Erciyes Dagi	0103-01=
Buyukkale Tepe (Turkey)	Dome of Erciyes Dagi	0103-01=
Buzz (Africa-E)	Synonym of Central Island	0202-01=
Buzzard Creek (Alaska-E)	Tuff rings (1, ~1050) Radiocarbon	**1105-001**
Bwanika (Africa-C)	Tuff cone of Fort Portal	0203-001
Bwasi-lai-lai (D'Entrecasteaux Is)	Therm. feature of Dawson Strait Group	0503-06=
Byakushi-ike (Kyushu-Japan)	Crater of Kirishima	0802-09=
Byakusi-ike [Byakushi-ike] (Kyushu-Japan)	Crater of Kirishima	0802-09=
Bylandt Rheyt (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Bylinkina (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Bylinkinoy [Bylinkina] (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Byobu-dake (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Byobu-yama (Hokkaido-Japan)	Dome of Tokachi-Eboshi	.....

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Caanoan (Luzon-N of)	Cone of Camiguin de Babuyanes	0704-01=
Caballan (Philippines-C)	Stratovolcano (1, 1820) Radiocarbon	**0702-05=**
Caballito (Mexico)	Cinder cone of Chichinautzin	1401-08=
Cabana (Chile-N)	Synonym of Apagado	.....
Cabeza de Vaca (Chile-S)	Cone of Cayutué-La Vigueria	1508-012
Cabeza de Vaca, Cerro (Costa Rica)	Stratovolcano of Irazú	1405-06=
Cabeza de Vaca, Cerro (Nicaragua)	Cinder cone of Pilas, Las	1404-08=
Cabeza, La (Mexico)	Stratovolcano of Iztaccihuatl	1401-082
Cabezuelo, Volcan de el (Spain)	Maar of Calatrava Volc Field	0100-04-
Cabo Cowan (Galapagos)	Tuff cone of Santiago	1503-09=
Cabra, Isla de [Cerro Grande] (El Salvador)	Dome of Coatepeque Caldera	1403-041
Cabras, Cerro las (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Cabras, Montana de las [San Antonio]	Cinder cone of La Palma	1803-01-
Cabras, Picos (Canary Is)	Dome of Tenerife	1803-03-
Cabret, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Cabrioler, Volcans de (Spain)	Cone of Olot Volc Field	0100-03-
Cabris, Piton des (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Cabrits, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Cabro Muco-La Giganta (Costa Rica)	Stratovolcano of Miravalles	1405-03=
Caburgua, Nevados de (Chile-C)	Stratovolcanoes (None) Pleistocene	.....
Caburgua, Volcanes de (Chile-C)	Cone of Caburgua-Huelemolle	1507-112
Caburgua-Huelemolle (Chile-C)	Cinder cones (1, ~5050) Tephrochron	**1507-112**
Cabut, Bukit (Sumatra)	Cone of Besar	0601-25=
Cacaguatique, Cerro (El Salvador)	Synonym of Cacahuatique, Cerro	.....
Cacahuatique, Cerro (El Salvador)	Stratovolcano (None) Pleistocene	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Cape Valdivia (Atlantic-S)	Dome of Bouvet	1806-02-
Capelas (Azores)	Tuff cone of Picos Volc System	1802-081
Capelinhos (Azores)	Cone of Fayal	1802-01=
Capesterre, Montagne de (W Indies)	Stratovolcano of Axial Chain	.....
Capilla, La (Mexico)	Crater of Cumbres, Las	1401-098
Capital (Alaska-E)	Shield volcano (None) Pleistocene	.....
Capitolo, Monte (Italy)	Cone of Roccamonfina	.....
Capo (Italy)	Stratovolcano of Salina	.....
Capo Grosso (Italy)	Submarine vent of Lipari	0101-042
Cappy Mountain (US-Oregon)	Stratovolcano (None) Pleistocene	.....
Caprara (Italy)	Dome of Campi Flegrei	0101-01=
Capricorn, Mt. (Canada)	Cone of Meager	1200-18-
Capulin (Mexico)	Cinder cone of Chichinautzin	1401-08=
Capulin Mountain (US-New Mexico)	Cone of Raton-Clayton	.....
Capullo (El Salvador)	Cone of Masahuat Volc Field	.....
Căpur (Chile-N)	Stratovolcano (None) Pleistocene	.....
Capurata (Chile-N)	Stratovolcano of Acotango	.....
Cap-Vert (Africa-N)	Volcanic field (None) Pleistocene	.....
Caquena (Chile-N)	Lava domes (None) Pleistocene	.....
Carabao Killer (Philippines-C)	Thermal feature of Kanlaon	0702-02=
Caracha, La (Ecuador)	Stratovolcano of Atacazo	1502-021
Caracol (Chile-C)	Crater of Azul, Cerro	1507-06=
Caracol, Volcan (Chile-C)	Cone of Tolguaca	1507-093
Caracoral, Cerro (Panama)	Dome of Valle, El	1406-03-
Caraibes, Monts (W Indies)	Stratovolcano (None) Pleistocene	.....
Carang Assam (Lesser Sunda Is)	Synonym of Agung	0604-02=
Carapacho (Chile-C)	Tuff ring of Llancanelo Volc Field	.....
Caravajales Crater (Mexico)	Crater of Pinacate	1401-001
Carbet, Fumeroles du (W Indies)	Therm. feature of Soufriere Guadeloupe	1600-06=
Carbets, Pitons de (W Indies)	Stratovolcano (None) Pleistocene	.....
Carbonera, La (El Salvador)	Pleistocene caldera of San Vicente	1403-07=
Carbonilla, La (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Carcabullo o Pedregal [Caldera Colorada]	Cinder cone of Lanzarote	1803-06-
Cardakh (Turkey)	Crater of Erciyes Dagi	0103-01=
Cardamomes (SE Asia)	Synonym of Pailin	.....
Cardos, Los (Mexico)	Cinder cone of Chichinautzin	1401-08=
Careme (Java)	Synonym of Cereme	0603-17=
Caribald Hill [Garibaldi Hill] (W Indies)	Stratovolcano of Soufriere Hills	1600-05=
Caribianco [Cerro Congo] (Costa Rica)	Stratovolcano of Poas	1405-04=
Caribou (US-California)	Volcanic field (None) Pleistocene	.....
Caribou Tuya (Canada)	Tuya of Tuya Volc Field	1200-031
Caricias (Costa Rica)	Stratovolcano of Barva	1405-05=
Carihuairazo (Ecuador)	Stratovolcano (None) Pleistocene	.....
Carik Tepe (Turkey)	Dome of Erciyes Dagi	0103-01=
Cari-Launa, Volcanes (Chile-C)	Dome of Maule, Laguna del	1507-061
Cariliao (Luzon-Philippines)	Stratovolcano (None) Pleistocene	.....
Cariquima, Cerro (Chile-N)	Stratovolcano (None) Pleistocene?	.....
Caririñe (Argentina)	Stratovolcano of Huanquihue Group	1507-123
Carling Hill (Mindanao-Philippines)	Dome of Camiguin	0701-08=
Carlisle (Aleutian Is)	Stratovolcano (2, 1828) Historical	**1101-23-**
Carmelo Crater (US-Washington)	Crater of Baker	1201-01=

Lee Siebert (Smithsonian)

A period of glacial erosion separates tephra layers from two late-Pleistocene eruptive episodes at **Chimborazo** volcano, Ecuador.

Carmelo, la montana del (US-Washington)	Synonym of Baker	1201-01=
Carmichael (W Indies)	Stratovolcano of Soufrière Guadeloupe	1600-06=
Carnegie Volcano (Mexico)	Cinder cone of Pinacate	1401-001
Carneiro, Monte (Azores)	Cone of Fayal	1802-01=
Carnero, Cerro el (Guatemala)	Cone of Flores	1402-14-
Caroli ? (Aleutian Is)	Synonym of Shishaldin	1101-36-
Carpintero Norte, El (Mexico)	Cinder cone of Colima	1401-04=
Carpintero Sur, El (Mexico)	Cinder cone of Colima	1401-04=
Carr Mountain (US-New Mexico)	Cone of Raton-Clayton	.....
Carran (Chile-C)	Maar of Carran-Los Venados	1507-14=
Carran, Cerro [Los Guindos] (Chile-C)	Stratovolcano of Carran-Los Venados	1507-14=
Carrán-Los Venados (Chile-C)	Pyroclastic cones (3, 1979) Historical	**1507-14=**
Carrizal I, Cerro del (Guatemala)	Cinder cone of Güistepeque Volc Field	.....
Carrizozo (US-New Mexico)	Cinder cones (1, -3250) Surface Exposure	**1210-01-**
Cartago, Volcan de (Costa Rica)	Synonym of Irazu	1405-06=
Carvao (Azores)	Cone of Sete Cidades	1802-08=
Casa Diablo Hot Springs (US-California)	Thermal feature of Long Valley	.....
Casablanca (Chile-C)	Stratovolcano of Antillanca Group	1507-153
Casas, Las (Costa Rica)	Thermal feature of Tenorio	1405-031
Cascajo, Montaña (Canary Is)	Cinder cone of Tenerife	1803-03-
Case Zacame (Italy)	Crater of Ustica	.....
Casiboy [Kasiboi] (Philippines-C)	Cone of Mahagnao	0702-07=
Casiri, Nevados (Peru)	Stratovolcanoes (None) Holocene	**1504-06-**
Casita (Nicaragua)	Stratovolcano of San Cristobal	1404-02=
Casitagua (Ecuador)	Stratovolcano (None) Pleistocene	.....
Casitas, Cerros las (Mexico)	Cinder cone of Camargo Volc Field	.....
Casitas, Volcan (Chile-C)	Fissure vent of Azul, Cerro	1507-06=
CASM Vent Field (Pacific-NE)	Thermal feature of Axial Seamount	1301-021
Casma, Cerro (Costa Rica)	Dome of Dürika	.....
Cassien, Cratere (Indian O.-W.)	Crater of Fournaise, Piton de la	0303-02=
Cassiope Cone (Alaska-W)	Cone of Imuruk Lake	1104-06-
Casteihano, Pico do (Azores)	Cone of Picos Volc System	1802-081
Castelgandolfo [Albano] (Italy)	Maar of Alban Hills	0101-004
Castellaro (Italy)	Pleistocene caldera of Lipari	0101-042
Castello (Italy)	Dome of Panarea	0101-041
Castello D'ischia (Italy)	Dome of Ischia	0101-03=
Castelo Branco (Azores)	Dome of Fayal	1802-01=
Castiglione (Italy)	Crater of Alban Hills	0101-004
Castiglione (Italy)	Dome of Ischia	0101-03=
Castillo, Cerro de los (Guatemala)	Cinder cone of Chingo	1402-17-
Castillo, Cerro el (Nicaragua)	Cone of Lajas, Las	1404-133
Castillo, El (Panamá)	Dome of Yeguada, La	.....
Castle of Ischia [Castello D'ischia] (Italy)	Dome of Ischia	0101-03=
Castle Peak (W Indies)	Dome of Soufrière Hills	1600-05=
Castle Rock (Aleutian Is)	Dome of Bogoslof	1101-30-
Castle Rock (Antarctica)	Cone of Hut Point Peninsula	.....
Castle Rock (Canada)	Cone of Klastline Group	.....
Castle, the (Canada)	Cone of Squamish	.....
Castor (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Castrino (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Castro Bank (Azores)	Synonym of Don Joao de Castro Bank	1802-07=
Casuela Juyu (Guatemala)	Synonym of Toliman	1402-07=
Cat Hills (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Catacu, Cerro (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Catania, Monte di (Italy)	Synonym of Etna	0101-06=
Catarman (Mindanao-Philippines)	Synonym of Camiguin	0701-08=
Catarman [Hibok-Hibok] (Philippines)	Stratovolcano of Camiguin	0701-08=
Catatungan (Mindanao-Philippines)	Synonym of Kalatungan	0701-061
Caterattte, Monte (Italy)	Cinder cone of Etna	0101-06=
Cathedral Rock [Naperito] (Africa-E)	Tuff cone of Barrier, The	0202-03=
Catherine (Ethiopia)	Tuff ring of Gada Ale	0201-05=
Catinocjuyup [Cerro Quemado] (Guatemala)	Dome of Almolonga	1402-04=
Catu (Lesser Sunda Is)	Crater of Batur	0604-01=
Catur Caldera (Lesser Sunda Is)	Synonym of Bratan	0604-001
Caua (Luzon-Philippines)	Synonym of Cagua	0703-09=
Caubet, Cratere (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Cauldron Dome (Canada)	Tuya of Cayley, Mt.	.....
Caulle Chico [Pichi Caulle] (Chile-C)	Cone of Puyehue-Cordon Caulle	1507-15=
Caulle Grande (Chile-C)	Synonym of Puyehue-Cordon Caulle	1507-15=
Cava Nocelle (Italy)	Crater of Ischia	0101-03=
Cava Petrella (Italy)	Cone of Ischia	0101-03=
Cavagnaro (Galapagos)	Crater of Santa Cruz	1503-091
Cavalo, Pico do (Azores)	Cone of Sete Cidades	1802-08=
Cave Gulch Hill (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Caverne Pomme de Terre, Piton (Indian O.)	Cinder cone of Fournaise, Piton de la	0303-02=
Caverne, Ile de la (Indian O.)	Synonym of Prince Edward Island	0304-06-
Caviahue (Chile-C)	Caldera of Copahue	1507-09=
Cavo, Monte (Italy)	Synonym of Alban Hills	0101-004
Cavo, Mt. (Italy)	Cinder cone of Alban Hills	0101-004
Cavoni (Italy)	Submarine vent of Stromboli	0101-04=
Cawalo (Lesser Sunda Is)	Thermal feature of Paluweh	0604-15=
Caws Road (New Zealand)	Dome of Maroa	0401-061
Cay (Chile-S)	Stratovolcano (None) Holocene?	**1508-055**
Cayambe (Ecuador)	Compound volcano (22, 1786) Historical	**1502-006**
Cayapiren (Chile-S)	Synonym of Minchinmavida	1508-04=
Cayley, Mt. (Canada)	Stratovolcano (None) Pleistocene	.....
Caycnan (Luzon-N of)	Cone of Babuyan Claro	0704-03=
Cayuse Cone (US-Oregon)	Cone of Broken Top	.....
Cayuse Cone (US-Oregon)	Cinder cone of South Sister	1202-08-
Cayute, Volcan (Chile-S)	Cone of Cayutue-La Vigueria	1508-012
Cayutué-La Vigueria (Chile-S)	Pyroclastic cones (1, -1050) Tephrochron	**1508-012**
Cazuel, Cerro (Galapagos)	Pyroclastic cone of Negra, Sierra	1503-05=
Cebollas, Las (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Ceboroquito (Mexico)	Cinder cone of Ceboruco	1401-03=
Ceboruco (Mexico)	Stratovolcano (4, 1875) Historical	**1401-03=**
Cedar Grove (US-Utah)	Cone of Mineral Mts-Cove Fort	.....
Cedar Hill (Africa-E)	Dome of Eburru, Ol Doinyo	0202-08=
Cedro, Pico do (Azores)	Cone of Sete Cidades	1802-08=
Cehennem Tepe (Turkey)	Crater of Tendurek Dagi	0103-03=
Ceiba Chacha, Cerro (El Salvador)	Cinder cone of Coatepeque Caldera	1403-041
Ceille, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Cekok, Kawah (Java)	Thermal feature of Galunggung	0603-14=
Celaya Crater (Mexico)	Maar of Pinacate	1401-001
Celle (Italy)	Crater of Campi Flegrei	0101-01=
Celletta (Italy)	Pyroclastic cone of Ernici, Monti	.....
Celosa, Cerro la (Chile-N)	Cone of Ollagüe	1505-06=
Cemara Lawang (Java)	Stratovolcano of Tengger Caldera	0603-31=
Cemara, Gunung (Java)	Cone of Ijen	0603-35=
Cemel Tepe (Turkey)	Maar of Kula	0103-00-

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Chato (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Chato Segundo (Argentina)	Cinder cone of Unnamed	.....
Chato, Cerrito (US-New Mexico)	Dome of Valles Caldera	.....
Chato, Cerro (Costa Rica)	Stratovolcano of Arenal	1405-033
Chato, Cerro (Mexico)	Dome of Primavera, Sierra la	.....
Chato, Cerro (Costa Rica)	Cone of Rincon de la Vieja	1405-02=
Chaudieres, Les (W Indies)	Thermal feature Soufrière Guadeloupe	1600-06=
Chaudron (Indian O.-S)	Cone of Amsterdam Island	0304-001
Chaumont, Puy de (France)	Cone of Chaîne des Puys	0100-02-
Chaupi Loma (Ecuador)	Cone of Santa Cruz	.....
Chaupi, Cerros de (Ecuador)	Synonym of Santa Cruz	.....
Chausu-dake (Honshu-Japan)	Dome of Nasu	0803-15=
Chausu-yama (Honshu-Japan)	Dome of Kita Yatsuga-take	0803-031
Chausu-yama (Honshu-Japan)	Synonym of Niigata-Yake-yama	0803-09=
Chavas (Colombia)	Crater of Galeras	1501-08=

Norm Banks (USGS/CVO)

The 6377-m-high Nevado **Coropuna**, Perú's highest and largest volcano, is a massive ice-covered volcanic complex with at least a half dozen summit cones.

Chavycha (Kamchatka)	Shield volcanoes (None) Pleistocene	.....
Chayachii (Kamchatka)	Dome of Kurile Lake	1000-023
Chayll (Chile-C)	Synonym of Llaima	1507-11=
Cheakamus Valley (Canada)	Vent of Cayley, Mt	.....
Cheb Basin (Czech)	Volcanic field (None) Pleistocene	.....
Chebbi (Ethiopia)	Stratovolcano of Corbetti Caldera	0201-29-
Chebrit Ale (Ethiopia)	Synonym of Gada Ale	0201-05=
Chechitno Peak (Alaska-E)	Synonym of Wrangell	1105-02-
Cheimu [Chaimu] (Africa-E)	Cone of Chyulu Hills	0202-13=
Cheju-do (Korea)	Synonym of Halla	1006-04-
Cheli Mine, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Cheminee Nord [Changomeni] (Indian O.-W)	Pit crater of Karthala	0303-01=
Cheminee Sud [Chahale] (Indian O.-W)	Pit crater of Karthala	0303-01=
Chengzilou (SE Asia)	Cone of Tengchong	0705-11-
Chenque, El (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Chepe (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Cheptomas (Africa-E)	Dome of Paka	0202-053
Chequepuquina (Perú)	Synonym of Huaynaputina	1504-03=
Cheringeran, Cerro de (México)	Cinder cone of Michoacán-Guanajuato	1401-06=
Cherinkutan (Kuril Is)	Synonym of Chirinkotan	0900-26=
Chernabura (Alaska-SW)	Synonym of Augustine	1103-01-
Chernoye Lake (Kamchatka)	Thermal feature of Bolshoi Semiachik	1000-15=
Cherny (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Cherny (Kamchatka)	Stratovolcano (None) Holocene?	**1000-46-**
Cherny (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Chernyi Utes (Kamchatka)	Dome of Ksudach	1000-05=
Cherpuk Group (Kamchatka)	Pyroclastic cones (1, -4550) Radiocarbon	**1000-273**
Chesoro (Africa-E)	Vent of Korosi	0202-054
Chetkin (Aleutian Is)	Synonym of Great Sitkin	1101-12-
Chew Bahir (Ethiopia)	Pyroclastic cones (None) Quaternary	.....
Cheyu (Africa-E)	Dome of SW Usangu Basin	0202-163
Chfealin (Kamchatka)	Synonym of Ichinsky	1000-28=
Chi, Tarso Emi (Africa-N)	Volcanic field (None) Quaternary	.....
Chiapa (México)	Shield volcano of Humeros, Los	1401-093
Chiar Kkollu (Bolivia)	Cinder cone of Jayu Khota, Laguna	1505-035
Chia-Ts'sung (China-E)	Synonym of Jiacong	.....
Chiaus (Banda Sea)	Synonym of Teon	0605-05=
Chibuzu (Costa Rica)	Synonym of Poás	1405-04=
Chicabal, Volcán (Guatemala)	Stratovolcano of Siete Orejas	.....
Chicaval [Volcán Chicabal] (Guatemala)	Stratovolcano of Siete Orejas	.....
Chichaldinskoi (Aleutian Is)	Synonym of Shishaldin	1101-36-
Chicharron, Cerro El (México)	Dome of Northern Guadalajara Mesa	.....
Chichicastepec [Cerro de Apaneca] (El Salv.)	Stratovolcano of Apaneca Range	1403-01=
Chichigalpa [Casita] (Nicaragua)	Stratovolcano of San Cristóbal	1404-02=
Chichihuale (México)	Dome of Cumbres, Las	1401-098
Chichimeco (México)	Dome of Orizaba, Pico de	1401-10=
Chichinautzin (México)	Volcanic field (8, 400) Radiocarbon	**1401-08=**
Chichinautzin, Cerro (México)	Shield volcano of Chichinautzin	1401-08=
Chichintor, Cerrito (Guatemala)	Cone of Ipala	1402-19-
Chichón, El (México)	Lava domes (13, 1982) Historical	**1401-12=**
Chichonal, El (México)	Synonym of Chichón, El	1401-12=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Chichontepec (El Salvador)	Synonym of San Vicente	1403-07=
Chichontepeque (El Salvador)	Synonym of San Vicente	1403-07=
Chichuj (Mexico)	Stratovolcano of Tacana	1401-13=
Chicken Killer (Philippines-C)	Thermal feature of Kanlaon	0702-02=
Chico (Argentina)	Stratovolcano Northern Mendoza Field	.....
Chico Volc Field (US-New Mexico)	Synonym of Raton-Clayton	.....
Chico, Pico [Yepocapa] (Guatemala)	Stratovolcano of Acatenango	1402-08=
Chico, Volcán (Galápagos)	Fissure vent of Negra, Sierra	1503-05=
Chiconautla (México)	Cone of Apan-Tezontepec	.....
Chien-shan (China-E)	Synonym of Jianshan	.....
Chien-Shui-Ting-Tzu [Jianshuidingzi] (China)	Cone of Longgang Group	1005-05-
Chiesa Vecchia (Italy)	Stratovolcano of Lipari	0101-042
Chiewo (Africa-E)	Cone of Homa Mountain	0202-07=
Chifeng (China-E)	Unknown (None) Quaternary	.....
Chigignagak (Alaska Peninsula)	Synonym of Chiginagak	1102-11-
Chiginagak (Alaska Peninsula)	Stratovolcano (2, 1998) Historical	**1102-11-**
Chigowe (Africa-E)	Dome of SW Usangu Basin	0202-163
Chi-Haedrong (SE Asia)	Crater of Pleiku-Bantour Volc Field	.....
Chi-Hodron Mount [Chi-haedrong] (SE Asia)	Crater of Pleiku-Bantour Volc Field	.....
Chi-Holam Mount (SE Asia)	Cone of Pleiku-Bantour Volc Field	.....
Chihsingshan [Cising] (Taiwan)	Dome of Tatun Group	0801-032
Chihuido (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Chihuio (Argentina)	Stratovolcano of Huanquihue Group	1507-123
Chikoida Mountain (Canada)	Cone of Atlin Volc Field	1200-03-
Chikose (Africa-E)	Dome of SW Usangu Basin	0202-163
Chikubo (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Chikurachki (Kuril Is)	Stratovolcanoes (15, 2008) Historical	**0900-36=**
Chikura-dake (Kuril Is)	Synonym of Chikurachki	0900-36=
Chilacayote, Cerro el (México)	Shield volc. of Zitacuaro-Valle de Bravo	1401-061
Ch'llalo (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Chilcapugro (Ecuador)	Dome of Casitagua	.....
Chilcas, Cerro las (Perú)	Dome of Huaynaputina	1504-03=
Chilcayoc Grande, Volcan (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Chilcayoc, Volcanes (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Chilcotin Creek (Canada)	Cinder cone of Satah Mountain	1200-13-
Chilcotin Group-North (Canada)	Volcanic field (None) Pleistocene	.....
Chilcotin Group-South (Canada)	Volcanic field (None) Pleistocene	.....
Chilena, La (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Chiles (Colombia)	Stratovolcano C. Negro de Mayasquer	1501-11=
Chiles, Los (Costa Rica)	Cinder cone of Platanar	1405-034
Chilesdo (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Chiliques (Chile-N)	Stratovolcano (None) Holocene?	**1505-098**
Chillahuita, Cerro (Chile-N)	Dome of Leon, Cerro del	.....
Chillan Viejo [Volcán Viejo] (Chile-C)	Stratovolcano of Chillán, Nevados de	1507-07=
Chillán, Nevados de (Chile-C)	Stratovolcano (25, 2003) Historical	**1507-07=**
Chilling Island [Silenge Island] (New Britain)	Cone of Mundua	0502-021
Chiloe, Volcan de? (Chile-S)	Synonym of Corcovado	1508-05=
Chiltazón (Ecuador)	Stratovolcano (None) Pleistocene	.....
Chiltepe (Nicaragua)	Synonym of Apoyeque	1404-091
Chiltepe, Volcan (Nicaragua)	Dome of Apoyeque	1404-091
Chilung Group (Taiwan)	Lava domes (None) Pleistocene	.....
Chimaltepeque, Cerro (Guatemala)	Cinder cone of Redondo, Cerro	.....
Chimborazo (Ecuador)	Stratovolcano (6, 550) Radiocarbon	**1502-071**
Chi-Mei (Taiwan)	Lava dome (None) Post-Miocene	.....
Chimney Crater (New Britain-SW Pac)	Crater of Langila	0502-01=
Chimney Mountain (Galapagos)	Cone of Santa Cruz	1503-091
China Hat (US-Oregon)	Dome of China Hat-East Butte	.....
China Hat-East Butte (US-Oregon)	Lava domes (None) Pleistocene	.....
Chinabora, Mt. (Alaska-SW)	Synonym of Augustine	1103-01-
Chinal (Chile-C)	Synonym of Llaima	1507-11=
Chinameca (El Salvador)	Stratovolcano (None) Holocene	**1403-09=**
Chinandega (Nicaragua)	Synonym of San Cristóbal	1404-02=
Chinapo, Cerro (México)	Dome of Azufres, Los	.....
Chinchillaguay, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Chincillas, Cerro las (Chile-N)	Cone of Cordón de Puntas Negras	1505-101
Chinconquiat, Cerro (México)	Cinder cone of Chichinautzin	1401-08=
Chinendega (Nicaragua)	Synonym of San Cristóbal	1404-02=
Chingana, Cerro la (Perú)	Dome of Chachani, Nevado	1504-007
Chingeingein (Kamchatka)	Shield volcano of Uksichan	1000-35-
Ching-i-shan [Jingyishan] (China-E)	Cone of Kuandian	.....
Chingo (Guatemala)	Stratovolcano (None) Holocene	**1402-17-**
Chingo, Volcan (Guatemala)	Stratovolcano of Chingo	1402-17-
Ching-pe (China-E)	Synonym of Jingbo	1005-04-
Chingpohu (China-E)	Synonym of Jingbo	1005-04-
Chingyu (China-E)	Synonym of Longgang Group	1005-05-
Chinitos, Los (El Salvador)	Fissure vent of San Salvador	1403-05=
Chino el Pital, Cerro (Guatemala)	Dome of Ixhuatan	.....
Chino, Cerro (Guatemala)	Cinder cone of Pacaya	1402-11=
Chino, Cerro [Olla, Cerro la] (El Salvador)	Cinder cone of Santa Ana	1403-02=
Chino, Cerro del (México)	Cinder cone of Michoacán-Guanajuato	1401-06=
Chino, Cerro el (México)	Dome of Acatlan Volc Field	.....
Chino, Cerro el (México)	Dome of Azufres, Los	.....
Chinoike-jigoku (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Chinyero (Canary Is)	Cinder cone of Tenerife	1803-03-
Chio, Montaña (Canary Is)	Fissure vent of Tenerife	1803-03-
Chipilapa (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Chiquimula Volc Field (Guatemala)	Cinder cones (None) Holocene	**1402-20-**
Chiquiomate (Perú)	Synonym of Huaynaputina	1504-03=
Chiquito, Cerro (Guatemala)	Dome of Pacaya	1402-11=
Chiracha (Ethiopia)	Stratovolcano (None) Holocene?	**0201-30-**
Chirica (Italy)	Stratovolcano of Lipari	0101-042
Chirihoi [Brat Chirpoev] (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Chirihoigaku [Brat Chirpoev] (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Chirinkotan (Kuril Is)	Stratovolcano (6, 2004) Historical	**0900-26=**

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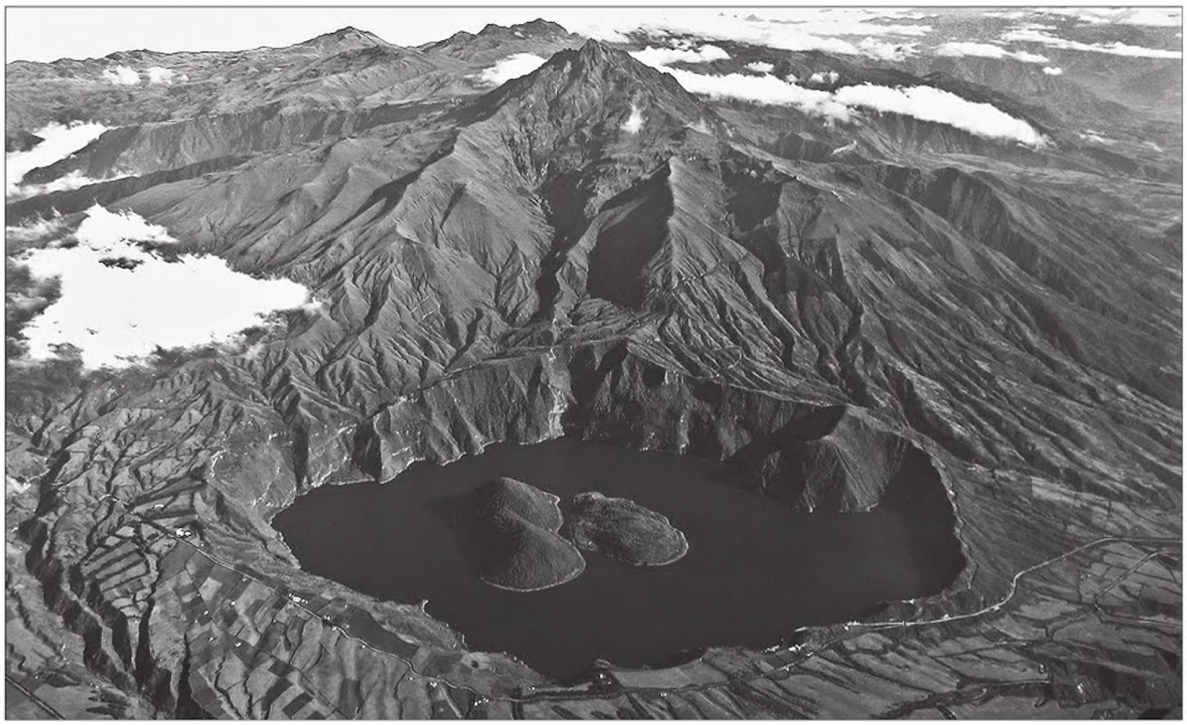
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Cordillera Blanca (Chile-C)	Synonym of Callaqui	1507-091
Cordillera del Pedregal [Cordon Caulle]	Fissure vent Puyehue-Cordon Caulle	1507-15=
Cordillera Dorsal (Canary Is)	Fissure vent of Tenerife	1803-03-
Cordillera Nevada (Chile-C)	Caldera of Puyehue-Cordon Caulle	1507-15=
Cordillera Pelada [Cordon Caulle] (Chile-C)	Fissure vent Puyehue-Cordon Caulle	1507-15=
Cordón Caulle (Chile-C)	Fissure vent Puyehue-Cordon Caulle	1507-15=
Cordon Cenizos (Chile-C)	Cone of Puntiagudo-Cordón Cenizos	1507-16-
Cordon de Alvarez (Chile-C)	Cone of Antillanca Group	1507-153
Cordon de Puntas Negras (Chile-N)	Stratovolcanoes (None) Holocene	**1505-101**
Cordon del Azufre (Chile-N)	Complex volcano (None) Holocene	**1505-121**
Cordon el Cauye (Chile-C)	Synonym Puntiagudo-Cordon Cenizos	1507-16-
Cordón Pelón (Mexico)	Stratovolcano of San Martin Pajapan	.....
Corero de la Charca, Cerro (Panama)	Dome of Yeguada, La	.....
Corinth Head (Indian O.-S)	Cone of Heard	0304-01=
Cormorant Point (Galapagos)	Tuff cone of Floreana	.....
Corno de Bellaria (Italy)	Dome of Amiata	.....
Corona, La [La Caldereta] (Canary Is)	Crater of Tenerife	1803-03-
Corona, Monte (Canary Is)	Cone of Lanzarote	1803-06-
Coronacion (Costa Rica)	Synonym of Chopo, Cerro	.....
Coronado (Mexico)	Stratovolcano (None) Fumarolic	**1401-005**
Coronel I (Costa Rica)	Shield volcano of Colorado, Lomas de	.....
Coronel II (Costa Rica)	Shield volcano of Colorado, Lomas de	.....
Coronel III (Costa Rica)	Shield volcano of Colorado, Lomas de	.....
Coronel, Cerro (Costa Rica)	Cone of Tortuguero	.....
Coronilla, Cerro la (México)	Dome of Acatlan Volc Field	.....
Coropuna (Perú)	Stratovolcano (None) Holocene	**1504-003**
Corozal Viejo, El (Nicaragua)	Cone of Maderas	1404-13-
Corral Knoll [Black Knoll] (US-Utah)	Cinder cone of Bald Knoll	1207-03-
Corral Quemado [Rininahue] (Chile-C)	Maar of Carrán-Los Venados	1507-14=
Corrales, Los (Argentina)	Cinder cone of Unnamed	.....
Corrales, Montaña (Canary Is)	Cone of Tenerife	1803-03-
Corrao [Giulia-Ferdinandea] (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Corregidor (Luzon-Philippines)	Caldera (None) Pleistocene	.....
Cortaderal, Cerro el (Perú)	Fissure vent of Chachani, Nevado	1504-007
Cortaderas, Las [Pampa de Palacio] (Perú)	Shield volcano of Chachani, Nevado	1504-007
Corvo (Azores)	Stratovolcano (None) Holocene	**1802-002**
Corvo (Italy)	Stratovolcano of Salina	.....
Cos (Greece)	Synonym of Kos	.....
Cosegüina (Nicaragua)	Synonym of Cosigüina	1404-01=
Cosigüina (Nicaragua)	Stratovolcano (5, 1859) Historical	**1404-01=**
Coso Hot Springs (US-California)	Thermal feature of Coso Volc Field	1203-18-
Coso Range (US-California)	Synonym of Coso Volc Field	1203-18-
Coso Volc Field (US-California)	Lava domes (None) Holocene?	**1203-18-**
Costa d'Agosto (Italy)	Stratovolcano of Lipari	0101-042
Costa De Lenzuola (Italy)	Crater of Ischia	0101-03=
Costa Del Fallo, Monte (Italy)	Cone of Ustica	.....
Costa Rica, Volcan (Costa Rica)	Synonym of Arenal	1405-033
Costa Sparaina (Italy)	Dome of Ischia	0101-03=
Costa, Puig de la (Spain)	Cone of Olot Volc Field	0100-03-
Coste San Domenico (Italy)	Crater of Campi Flegrei	0101-01=
Costo Maar (Mexico)	Maar of Michoacán-Guanajuato	1401-06=
Cotacachi (Ecuador)	Stratovolcano (None) Pleistocene	.....
Cotji, Cerro (Costo Maar) (Mexico)	Maar of Michoacán-Guanajuato	1401-06=
Cotopaxi (Ecuador)	Stratovolcano (83, 1940) Historical	**1502-05=**
Cotterll, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Cotto Barano, Mt (Italy)	Cone of Ischia	0101-03=
Cotto, Monte (Italy)	Cone of Ischia	0101-03=
Cotton Volcano (New Zealand)	Stratovolcano of Healy	0401-14-
Cottonwood Peak (Canada)	Cone of Tuya Volc Field	1200-031
Cougar Butte (US-California)	Cone of Medicine Lake	1203-02-
Coulman Island (Antarctica)	Shield volcano (None) Post-Miocene	.....
Courtney, Mt (Australia)	Cone of Nulla Volc Province	.....
Cova Da Burra [Pico da Areia] (Azores)	Dome of Furnas	1802-10=
Cova, Pico do (Azores)	Cone of Picos Volc System	1802-081
Cove Fort (US-Utah)	Cone of Mineral Mts-Cove Fort	.....
Cow Hill Soufriere [Tar River Soufriere]	Thermal feature of Soufriere Hills	1600-05=
Cow Lakes Lava Field (US-Oregon)	Synonym of Jordan Craters	1202-19-
Cowhorn Mountain (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Cowley Island (Galapagos)	Fissure vent of Alcedo	1503-04=
Coyoltepec (Mexico)	Cinder cone of Chichinautzin	1401-08=
Coyote Butte (US-Idaho)	Cone of Craters of the Moon	1204-02-
Coyotepe, Cerro el (Nicaragua)	Cinder cone of Masaya	1404-10=
Coyotes, Cerro los (El Salvador)	Cone of San Diego	1403-001
Crabier, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Crac, Piton de (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Cracatoa (Indonesia)	Synonym of Krakatau	0602-00=
Cracker Creek Cone (Canada)	Cone of Atlin Volc Field	1200-03-
Crary Group (Antarctica)	Shield volcanoes (None) Pleistocene	.....
Crater Basalt Volc Field (Chile/Arg.)	Cinder cones (None) Holocene	**1508-025**
Crater Butte (US-Oregon)	Cone of Diamond Peak	.....
Crater Buttes (US-Oregon)	Cone of Newberry	1202-11-
Crater Dome (New Zealand)	Dome of Okataina	0401-05=
Crater Flat (US-Nevada)	Volcanic field (None) Pleistocene	.....
Crater Forest (China-E)	Cinder cone of Jingbo	1005-04-
Crater Hill (New Zealand)	Tuff cone of Auckland Field	0401-02=
Crater Hill (Antarctica)	Cone of Hut Point Peninsula	.....
Crater Hill (US-Utah)	Cinder cone of Kolob	.....
Crater Hill (Alaska-W)	Cinder cone of St. Paul Island	1104-01-
Crater Knoll (US-Utah)	Cone of Mineral Mts-Cove Fort	.....
Crater Lake (US-Oregon)	Caldera (5, -2850) Radiocarbon	**1202-16-**
Crater Lake (Antarctica)	Maar of Deception Island	1900-03=
Crater Lake (New Zealand)	Crater of Ruapehu	0401-10=
Crater Mountain (New Guinea)	Stratovolcano (None) Holocene?	**0503-001**
Crater Mountain (US-California)	Dome of Mono Craters	1203-12-
Crater Mountain (Alaska-W)	Cone of St. Michael	1104-04-
Crater Peak (US-Oregon)	Cone of Crater Lake	1202-16-
Crater Peak (Alaska-SW)	Stratovolcano of Spurr	1103-04-
Crater Ridge (Alaska-E)	Dome of Edgecumbe	1105-04-
Crater Rock (US-Oregon)	Dome of Hood	1202-01-
Crater SE Springs (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Crater Springs (US-Utah)	Thermal feature of Fumarole Butte	.....
Crater Top (Kamchatka)	Dome of Shiveluch	1000-27=
Crater, Cratere see proper name (e.g. Citerne, Cratere)		
Cratered Dome (US-California)	Dome of Mono Craters	1203-12-



Patricio Ramon (Escuela Politecnica, Quito)

Post-caldera lava domes form islands in **Cuicocha** caldera lake at the foot of Pleistocene **Cotacachi** stratovolcano north of Quito, Ecuador. The 3-km-wide, steep-walled caldera was created during a major explosive eruption about 3100 years ago that produced nearly 5 km³ of pyroclastic-flow and airfall deposits.

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Crateres, Monte De (Indian O.-S)	Cone of Possession, Ile de la	0304-04-
Craters of the Moon (US-Idaho)	Cinder cones (10, -130) Radiocarbon	**1204-02-**
Craters of the Moon (New Zealand)	Thermal feature of Maroa	0401-061
Craven, Mt. (W Indies)	Dome of St. Catherine	1600-17=
Crawford Bay (Indian O.-S)	Tuff cone of Marion Island	0304-07-
Crescent (US-Utah)	Crater of Black Rock Desert	1207-05-
Crescent Butte (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Crescent Butte (US-California)	Cone of Medicine Lake	1203-02-
Crescent Crater (US-California)	Crater of Lassen Volc Center	1203-08-
Crescent, the (Africa-E)	Tuff ring of Namarunu	0202-04-
Crespo, Cerro [Cerro Quemado] (Guatemala)	Dome of Almolonga	1402-04=
Crimson Hill Cones (Antarctica)	Tuff cone of Deception Island	1900-03=
Cristal (Ecuador)	Dome of Guagua Pichincha	1502-02=
Cristi (Chile-N)	Stratovolcano of Tres Cruces	.....
Cristo Rey (Nicaragua)	Cinder cone of Negro, Cerro	1404-07=
Crocker, Mt. (Galapagos)	Cone of Santa Cruz	1503-091
Crocodile Island (Africa-E)	Synonym of Central Island	0202-01=
Crocodile Lake (Africa-E)	Crater of Central Island	0202-01=
Crocodrilos, Laguna (Mexico)	Maar of San Martin	1401-11=
Crommyonia (Greece)	Synonym of Susaki	0102-01=
Croscat, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Cross Hill (Antarctica)	Tuff cone of Deception Island	1900-03=
Crow Lagoon (Canada)	Pyroclastic cone (None) Holocene	**1200-11-**
Crown Island (New Guinea-NE of)	Stratovolcano (None) Quaternary	.....
Cruces, Cerro las (El Salvador)	Cinder cone of Santa Ana	1403-02=
Crucible Dome (Canada)	Tuya of Cayley, Mt.	.....
Cruz de Tea, Montaña la (Canary Is)	Cone of Tenerife	1803-03-
Cruz, Cerro de la (Honduras)	Cone of Pedregal, El	.....
Cruz, Cerro la (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Cruz, Cerro la (Mexico)	Cone of Southern Guadalajara	.....
Cruz, Cerro la (Mexico)	Cinder cone Zitácuaro-Valle de Bravo	1401-061
Cruz, Montaña de la (Canary Is)	Dome of Tenerife	1803-03-
Cruz, Montaña la (Canary Is)	Cinder cone of Tenerife	1803-03-
Cruz, Monte de la (Costa Rica)	Cinder cone of Barva	1405-05=
Cruz, Pico da (Azores)	Cone of Sete Cidades	1802-08=
Cruz, Pico do (Azores)	Cone of Picos Volc System	1802-081
Cryder Butte (US-Oregon)	Shield volcano of Davis Lake	1202-10-
Csobanc (Hungary)	Cone of Balaton Highland	.....
Cuadrado, Mount (Luzon-Philippines)	Dome of Pinatubo	0703-083
Cualta, La (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Cuatepetl, Volcan (Mexico)	Cinder cone of Chichinautzin	1401-08=
Cuates, Cerro los (Mexico)	Crater of Pinacate	1401-001
Cuates, Cerros (Mexico)	Shield volc. of Michoacán-Guanajuato	1401-06=
Cuatro, El (Mexico)	Stratovolcano of Southern Guadalajara	.....
Cuauatl (Mexico)	Cinder cone of Chichinautzin	1401-08=
Cuauhtemoc (Mexico)	Cinder cone of Colima	1401-04=
Cuautzin (Mexico)	Shield volcano of Chichinautzin	1401-08=
Cubilche, Loma (Ecuador)	Dome of Imbabura	1502-004
Cucco, Monte (Italy)	Cone of Sabatini Complex	.....
Cuchucavi (Chile-S)	Synonym of Minchinmavida	1508-04=
Cucundicata, Cerro (Mexico)	Cinder cone of Michoacán-Guanajuato	1401-06=
Cuddia, Cuddie (Itilian for Hill) see proper name (e.g. Rosse, Cuddia)		
Cuernos de Negros (Philippines-C)	Complex volcano (None) Fumarolic	**0702-01=**
Cuernos del Diablo (Chile-S)	Stratovolcano (None) Holocene	**1508-021**
Cuerrizi [Guarari] (Costa Rica)	Cinder cone of Barva	1405-05=
Cuervo, the [Caldera de los Lapas]	Cinder cone of Lanzarote	1803-06-
Cuervos, Caldera de los [Caldera Lapas]	Cinder cone of Lanzarote	1803-06-
Cuervos, Los (Chile-C)	Cinder cone of Chillan, Nevados de	1507-07=
Cuervos, Montaña de los [Caldera Lapas]	Cinder cone of Lanzarote	1803-06-
Cuesta del Guayabo (Guatemala)	Cinder cone of Suchitan	1402-16-
Cuesta, Cerro La (Mexico)	Dome of Primavera, Sierra la	.....
Cuevas Negras, Montaña (Canary Is)	Fissure vent of Tenerife	1803-03-
Cuevas, Cerro las (Mexico)	Dome of San Pedro	.....
Cuevas, Montaña de las (Canary Is)	Cinder cone of Hierro	1803-02-
Cuevas, Volcan las (Spain)	Maar of Calatrava Volc Field	0100-04-
Cuevos del Ratón, Volcan (Canary Is)	Fissure vent of Tenerife	1803-03-
Cugno di Mandra (Italy)	Stratovolcano of Lipari	0101-042
Cuicocha (Ecuador)	Caldera (4, 650) Radiocarbon	**1502-003**
Cuidad Arce, Cerrito (El Salvador)	Dome of Coatepeque Caldera	1403-041
Cuidad Guzman, Volcan de [Nevado de Colima]	Stratovolcano of Colima	1401-04=
Cuilapa Sur, Cerro (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Cuilapa, Volcan (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Cuilapa-Barbarena (Guatemala)	Volcanic field (None) Holocene	**1402-111**
Cuipilapa (Costa Rica)	Synonym of Miravalles	1405-03=
Cu-Lao Bo Bai (SE Asia)	Cone of Cú-Lao Re Group	0705-02-
Cú-Lao Re Group (SE Asia)	Volcanic field (None) Holocene	**0705-02-**
Culasi (Luzon-Philippines)	Stratovolcano of Cone-Culasi	.....
Culebra, Loma la (El Salvador)	Cinder cone of San Diego	1403-001
Culebras Bank ? (Tonga-SW Pacific)	Synonym of Falcon Island	0403-05=
Culebreado, Cerro el (Mexico)	Dome of Primavera, Sierra la	.....
Culiacan (Mexico)	Maar of Michoacán-Guanajuato	1401-06=
Culiacan, Cerro (Mexico)	Shield volc. of Michoacán-Guanajuato	1401-06=
Culma, Volcan (Guatemala)	Cinder cone of Santiago, Cerro	1402-15-
Culpepper (Galapagos)	Shield volcano (None) Pleistocene	.....
Cultus Mountain (US-Oregon)	Shield volcano (None) Pleistocene	.....
Cuma (Italy)	Dome of Campi Flegrei	0101-01=
Cumbal (Colombia)	Stratovolcano (2, 1926) Historical	**1501-10=**
Cumbal, Nevado de (Colombia)	Synonym of Cumbal	1501-10=
Cumbicata (Ecuador)	Synonym of Calpi	.....
Cumbre de la Linea (Chile-N)	Cone of Falso Azufre	1505-124
Cumbre del Laudo (Chile-N)	Stratovolcano of Nevada, Sierra	1505-123
Cumbre Grande, El (Mexico)	Dome of Cumbres, Las	1401-098
Cumbre Vieja (Canary Is)	Stratovolcano of La Palma	1803-01-
Cumbre, Cerro la (El Salvador)	Cinder cone of Apaneca Range	1403-01=
Cumbre, La (Galapagos)	Synonym of Fernandina	1503-01=
Cumbres, Las (Mexico)	Stratovolcano (1, -3920) Radiocarbon	**1401-098**
Cundung Kelam, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Cunistepeque, Cerro (Guatemala)	Cinder cone of Chingo	1402-17-
Cunru (Ecuador)	Dome of Imbabura	1502-004
Cupaello (Italy)	Pyroclastic cone (None) Pleistocene	.....
Cupahue (Chile-C)	Synonym of Copahue	1507-09=
Cupit Mary Mountain (US-Oregon)	Shield volcano (None) Pleistocene	.....
Cupu, Gunung (Java)	Cone of Lamongan	0603-32=
Cura, Baños del (Guatemala)	Thermal feature of Almolonga	1402-04=
Curacoa (Tonga-SW Pacific)	Submarine volcano (2, 1979) Historical	**0403-102**
Curiquinca, Cerro (Chile-N)	Stratovolcano of Sairecabur	1505-091
Curitzeran, Cerro de (Mexico)	Cinder cone of Michoacán-Guanajuato	1401-06=
Curry, Mount (Antarctica)	Submarine vent of Zavodovski	1900-13=
Curtis Island (Kermadec Is)	Submarine volcano (Uncertain)	**0402-01=**
Curub (Ethiopia)	Synonym of Kurub	0201-12=
Curungueo (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Curutú (Chile-N)	Stratovolcano (None) Pleistocene	.....
Cuscachapa, Laguna de (El Salvador)	Pit crater of Santa Ana	1403-02=
Cuscungo (Ecuador)	Dome of Atacazo	1502-021
Cushnirumi (Ecuador)	Stratovolcano of Mojanda	1502-005
Cusin (Ecuador)	Stratovolcano (None) Pleistocene	.....
Cutanga (Colombia)	Unknown (None) Quaternary	.....
Cutzato, Cerro de (Mexico)	Cinder cone of Michoacán-Guanajuato	1401-06=
Cuvigghiuni (Italy)	Cinder cone of Etna	0101-06=
Cuxliquel (Guatemala)	Lava domes (None) Pleistocene	.....
Cuyanausul (El Salvador)	Synonym of Apaneca Range	1403-01=
Cuyanausul, Ausoles de (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Cuyctepe (El Salvador)	Cone of Apaneca Range	1403-01=
Cuyucut (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Cuyufa (Ecuador)	Synonym of Sumaco	1502-04=
Cweajain (Kamchatka)	Synonym of Ichinsky	1000-28=

D

D.D. Cone (Pacific-NE)	Lava cone of Axial Seamount	1301-021
Da Ore (Ethiopia)	Tuff ring of Manda Hararo	0201-115
Daam (Banda Sea)	Synonym of Wurlali	0605-04=
Dabayra (Ethiopia)	Synonym of Dabbayra	0201-114
Dabbahu (Ethiopia)	Stratovolcano (1, 2005) Historical	**0201-113**
Dabbaira [Boina] (Ethiopia)	Cone of Dabbahu	0201-113
Dabbayra (Ethiopia)	Shield volcano (None) Holocene	**0201-114**
Dabingshan (China-E)	Shield volcano (None) Post-Miocene	.....
Dabita (Ethiopia)	Synonym of Adwa	0201-17=
Dabita Ale (Ethiopia)	Synonym of Hertali	0201-171
Dacht-i-Navar Group (Afghanistan)	Lava domes (None) Holocene?	**0302-06-**
Dacht-i-Nawar (Afghanistan)	Synonym of Dacht-i-Navar Group	0302-06-
Dadongbinglingshan (China-E)	Dome of Fanjiatung Group	.....
Da'enkei (Hokkaido-Japan)	Crater of Komaga-take	0805-02=
Dafni (Greece)	Dome of Santorini	0102-04=
Daftan (Iran)	Synonym of Taftan	0302-05-
Dagan, Jabal (Arabia-S)	Crater of Arhab, Harra of	0301-09-
Daganpao (China-E)	Cinder cone of Jingbo	1005-04-
Dagatan, Lake (Luzon-Philippines)	Maar of Banahaw	0703-05=
Dagelet (Korea)	Synonym of Ulreung	1006-03-
Dagit-Dagitan (Luzon-Philippines)	Stratovolcano (None) Pleistocene	.....
Dagnyhaugen (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Dagongjie (SE Asia)	Cone of Tengchong	0705-11-
Dagsa (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Dagushan (China-E)	Dome of Yitong Group	.....
Dagushanzi [Dayishan] (China-E)	Cone of Longgang Group	1005-05-
Dahei Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Dahei Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Daichigamori (Honshu-Japan)	Dome of Kurikoma	0803-21=
Daihannya-yama (Izu Is-Japan)	Fissure vent of Miyake-jima	0804-04=
Dai-Io-san [Tatarinov] (Kuril Is)	Stratovolcano of Chikurachki	0900-36=
Daikoku (Volcano Is-Japan)	Submarine volcano (None) Fumarolic	**0804-137**
Daikoku-yama (Hokkaido-Japan)	Cone of Akaigawa	.....
Daikon-jima (Honshu-Japan)	Pyroclastic cone (None) Pleistocene	.....
Dainichi-dake (Honshu-Japan)	Synonym of Dainichiga-take	.....
Dainichi-dake (Honshu-Japan)	Synonym of Kurikoma	0803-21=
Dainichiga-take (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Dainichi-yama (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Dainiti-yama (Honshu-Japan)	Synonym of Dainichi-yama	.....
Daino-yama (Honshu-Japan)	Dome of Izu-Tobu	0803-01=
Daintrees Lookout (Australia)	Cone of Nulla Volc Province	.....
Daira-Komaga-take (Honshu-Japan)	Stratovolcano (None) Quaternary	.....
Daisen (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Daisetsu (Hokkaido-Japan)	Stratovolcanoes (5, 1739) Tephrochron	**0805-06=**
Daisetu-zan (Hokkaido-Japan)	Synonym of Daisetsu	0805-06=
Daitimori [Daichigamori] (Honshu-Japan)	Dome of Kurikoma	0803-21=
Daito (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Daiton Geothermal Area (Taiwan)	Thermal feature of Tatun Group	0801-032
Dajianhoushan (Taiwan)	Dome of Tatun Group	0801-032
Dajianshan (Taiwan)	Dome of Tatun Group	0801-032
Dakara, Gof (Africa-E)	Maar of Marsabit	0202-021
Dakataua (New Britain-SW Pac)	Caldera (2, 1895) Anthropology	**0502-04=**
Dakelabai (Dakelabalai) (Luzon-N of)	Synonym of Camiguin de Babuyanes	0704-01=
Dake-yama (Honshu-Japan)	Dome of Shikuma	.....
Dakongshan (SE Asia)	Cone of Tengchong	0705-11-
Dakula, Mt. (Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Dakut (Sulu Is-Philippines)	Cone of Jolo	0700-01=
Dala Filla (Ethiopia)	Synonym of Dalaffilla	0201-07=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Dalaffilla (Ethiopia)	Stratovolcano (1, 2008) Historical	**0201-07=**
Dalaha'ale (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Dalahraun (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Dalahum (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Dalainuoer (China-E)	Cinder cones (None) Pleistocene	.....
Daleldar (Iceland-NE)	Crater Row of Krafla	1703-08=
Dalfjall (Iceland-NE)	Fissure vent of Krafla	1703-08=
Dalibo (China-E)	Synonym of Dalainuoer	.....
Dalinor (China-E)	Synonym of Dalainuoer	.....
Daliuchong (SE Asia)	Cone of Tengchong	0705-11-
Dalyny Plosky (Kamchatka)	Shield volcano of Ushkovsky	1000-261
Dallol (Ethiopia)	Explosion craters (1, 1926) Historical	**0201-041**
Dalman (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Dal'nee, Lake [Lake Dalny] (Kamchatka)	Maar of Uzon	1000-17=
Dal'nii Plosky [Dalyny Plosky] (Kamchatka)	Shield volcano of Ushkovsky	1000-261
Dalny (Kamchatka)	Cone of Bolshoi Semiachik	1000-15=
Dalny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Dalny, Lake (Kamchatka)	Maar of Uzon	1000-17=
Dalnyaya Plosky [Dalyny Plosky] (Kamchatka)	Shield volcano of Ushkovsky	1000-261
Dal'nyeye, Lake [Lake Dalny] (Kamchatka)	Maar of Uzon	1000-17=
Dalongwan (China-E)	Maar of Longgang Group	1005-05-
Dalton Dome (Canada)	Dome of Garibaldi	1200-20-
Daly-Tapa (Armenia)	Synonym of Dar-Alages	0104-08-
Dama Ale (Ethiopia)	Synonym of Dama Ali	0201-141
Dama Ali (Ethiopia)	Shield volcano (1, 1631) Historical	**0201-141**
Dama Hali (Damahale) (Ethiopia)	Synonym of Dama Ali	0201-141
Damar (Banda Sea)	Synonym of Wurlali	0605-04=
Damavand (Iran)	Stratovolcano (1, -5350) Uranium-series	**0302-01-**
Dammer (Banda Sea)	Synonym of Wurlali	0605-04=
Dampier Island (New Guinea-NE of)	Synonym of Karkar	0501-03=
Dana (Alaska Peninsula)	Stratovolcano (1, -1890) Radiocarbon	**1102-05-**
Danan (Philippines-C)	Thermal feature of Mahagnao	0702-07=
Danao, Lake (Philippines-C)	Crater of Mahagnao	0702-07=
Danau (Java)	Pleistocene caldera of Karang	0603-02=
Danau (Indonesian for Lake) see proper name (e.g. Talang, Danau)		
Danbaru (Kyushu-Japan)	Crater of Kuju	0802-12=
Danger Bay (US-Oregon)	Stratovolcano of Crater Lake	1202-16-
Dangey (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
D'ango, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Dangsanbong (Korea)	Tuff cone of Halla	1006-04-
Daniell Peninsula (Antarctica)	Shield volcanoes (None) Post-Miocene	.....
Dankole (Ethiopia)	Cone of Bishoftu Volc Field	0201-22-
Dansan (Korea)	Tuff cone of Halla	1006-04-
Da-pu (Taiwan)	Thermal feature of Tatun Group	0801-032
Darai Hills (New Guinea)	Volcanic field (None) Pleistocene	.....
Darajat (Java)	Thermal feature of Kendang	0603-11=
Dar-Alages (Armenia)	Pyroclastic cones (1, -2000) Anthropology	**0104-08-**
Daralages Kette (Armenia)	Synonym of Dar-Alages	0104-08-
Daralagezskiy Khrebet (Armenia)	Synonym of Dar-Alages	0104-08-
Dargo (Java)	Crater of Kelut	0603-28=
Dariganga Volc Field (Mongolia)	Cinder cones (None) Holocene	**1003-04-**
Dark Mountain (Canada)	Volcanic field (None) Pleistocene	.....
Dark Mountain North (Canada)	Cone of Dark Mountain	.....
Dark Mountain South (Canada)	Cone of Dark Mountain	.....
Dark Mountain West (Canada)	Cone of Dark Mountain	.....
Darlac Volc Field (SE Asia)	Cones (None) Pleistocene	.....
Darnley Island (Australia)	Cone of Maer Volc Province	.....
Darnley, Mount (Antarctica)	Cone of Bristol Island	1900-08=
Daroegan, Ranoe [Ranu Darungan] (Java)	Maar of Semeru	0603-30=
Daruma (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Darungan, Ranu (Java)	Maar of Semeru	0603-30=
Darwin (Galápagos)	Shield volc. (3, 1813) Surface Exposure	**1503-03=**
Darwin Bay (Galápagos)	Caldera of Genovesa	1503-081
Darwin Island (Galápagos)	Synonym of Culpepper	.....
Data Gabalti (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Datil, Cerro el (Mexico)	Cinder cone of Comondú-La Purisima	1401-012
Datong-Fengzen (China-E)	Volcanic field (None) Pleistocene	.....
Datun (China-E)	Synonym of Fanjiatung Group	.....
Datun Volcano Group (Taiwan)	Synonym of Tatun Group	0801-032
Datundongshan (China-E)	Dome of Fanjiatung Group	.....
Datunshan (Taiwan)	Dome of Tatun Group	0801-032
Dauar Island (Australia)	Cone of Maer Volc Province	.....
Daun, Bukit (Sumatra)	Stratovolcanoes (None) Fumarolic	**0601-21=**
Dauner (Germany)	Maar of West Eifel Volc Field	0100-01-
Daung (Sumatra)	Unknown (None) Post-Miocene	.....
Dauphine Estate, La (W Indies)	Crater of Qualibou	1600-14=
Da'Ure (Ethiopia)	Fissure vent of Dabbahu	0201-113
Davao Volcano (Mindanao-Philippines)	Synonym of Apo	0701-03=
Davapia Rocks (New Britain-SW Pac)	Cone of Rabaul	0502-14=
Davey Peak (Antarctica)	Cone of Toney Mountain	1900-026
Davidof (Aleutian Is)	Stratovolcano (None) Holocene?	**1101-04-**
Davis Lake (US-Oregon)	Volcanic field (1, -2790) Radiocarbon	**1202-10-**
Davis Mountain (US-Oregon)	Shield volcano of Davis Lake	1202-10-
Dawa Ale (Ethiopia)	Stratovolcano of Dawa Ale-Quarry	.....
Dawa Ale-Quarry (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Dawon, Boekit (Sumatra)	Synonym of Daun, Bukit	0601-21=
Dawson Strait Group	Volcanic field (1, 1350) Hydration Rind	**0503-06=**
Dayanzhifeng (China-E)	Cone of Changbaishan	1005-06-
Dayingshan (SE Asia)	Stratovolcano of Tengchong	0705-11-
Dayishan (China-E)	Cone of Longgang Group	1005-05-
Da-you-keng (Taiwan)	Thermal feature of Tatun Group	0801-032
Deacon Peak (Antarctica)	Cone of Penguin Island	1900-031
Dead Man's Hill (W Indies)	Dome of St. Catherine	1600-17=
Deadea [Deidei] (D'Entrecasteaux Is)	Thermal feature of Dawson Strait Group	0503-06=
Deadman Creek (US-California)	Dome of Inyo Craters	1203-13-
Debado Gera Hayk (Ethiopia)	Maar of Liado Hayk	0201-172
Debawala (D'Entrecasteaux Is)	Synonym of Iamalele	0503-05=
Debawala (D'Entrecasteaux Is)	Thermal feature of Iamalele	0503-05=
Debre Zeit (Ethiopia)	Synonym of Bishoftu Volc Field	0201-22-
Debunscha (Africa-W)	Cone of Cameroon	0204-01=
Deception Island (Antarctica)	Caldera (24, 1970) Historical	**1900-03=**
Ded i Baba (Kamchatka)	Shield volcano (None) Pleistocene	.....
Dedica (Dedicas) (Luzon-N of)	Synonym of Didicas	0704-02=
Deep Crater (US-California)	Crater of Medicine Lake	1203-02-
Deep Crater (Galápagos)	Crater of Santa Cruz	1503-091
Deer Hill (New Zealand)	Dome of Reporoa	0401-06-
Deer Mountain (US-California)	Dome of Long Valley	.....
Deer Mountain [Cerro Hueco] (US)	Shield volcano of Zuni-Bandera	1210-02-
Defiance (US-Oregon)	Shield volcano (None) Pleistocene	.....
Deformes (Colombia)	Thermal feature of Galeras	1501-08=
Dehaj-Meduk (Iran)	Volcanic field (None) Quaternary	.....
Deidei (D'Entrecasteaux Is)	Thermal feature of Dawson Strait Group	0503-06=
Delaire, Volcan (Mexico)	Cone of Chichinautzin	1401-08=
Delaki (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Delaki, Gunung (Lesser Sunda Is)	Synonym of Sirung	0604-27=
Delicias, Cerro las (El Salvador)	Dome of Apastepeque Field	1403-071
Delicias, Cerro las (El Salvador)	Dome of Ilopango	1403-06=
Delirio, El (Nicaragua)	Cone of Maderas	1404-13-
Dema Ali (Ethiopia)	Synonym of Dama Ali	0201-141
Demavend (Demawend) (Iran)	Synonym of Damavand	0302-01-
Democrático (Chile-C)	Stratovolcano of Chillán, Nevados de	1507-07=
Demon (Kuril Is)	Stratovolcano (None) Holocene	**0900-11-**
Dempo (Sumatra)	Stratovolcanoes (27, 2009) Historical	**0601-23=**
Denham Bay (Kermadec Is)	Caldera of Raoul Island	0402-03=
Denison (Alaska Peninsula)	Stratovolcano (None) Holocene?	**1102-21-**
Dent Bicorne (Indian O.-S)	Cone of Kerguelen Islands	0304-02=
Dent Blanches (Indian O.-S)	Cone of Kerguelen Islands	0304-02=
Depresión de San Lorenzo (Guatemala)	Maar of Chingo	1402-17-
Derbi-Taiga [Derbi-Tayga] (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Derbi-Tayga (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Deriba (Africa-N)	Caldera of Marra, Jebel	0205-03-
Derrumbadas, Las (Mexico)	Dome of Serdan-Oriental	1401-092
Des Voeux Peak (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Desantnaya Mountain (Kuril Is)	Stratovolcano (None) Pleistocene	.....
Descabezado Chico (Chile-C)	Cone of Calabozos	1507-042
Descabezado del Maule (Chile-C)	Synonym of Descabezado Grande	1507-05=
Descabezado Grande (Chile-C)	Stratovolcanoes (1, 1933) Historical	**1507-05=**
Desconocido-Tecomales (México)	Synonym of Gloria, La	1401-097
Desejado, Pico (Atlantic-C)	Dome of Trindade	1805-051
Deseret (US-Utah)	Vent of Black Rock Desert	1207-05-
Desert Cone (US-Oregon)	Cone of Crater Lake	1202-16-
Deslacs Island (New Britain-SW Pac)	Synonym of Garove	0502-03=

Asfawossen Asrat (Addis Ababa Univ.)

An explosive eruption on September 26, 2005, the first in historical time from **Dabbahu** in Ethiopia, took place from a 500-m-long, N-S-trending fissure vent; a small 30-m-wide pumice dome (upper left) was formed at the northern end of the fissure.

Deslinde (Chile-N)	Stratovolcano (None) Pleistocene	.....
Desmonte, Volcan (Mexico)	Dome of Mascota Volc Field	1401-031
Desolation Lava Field (Canada)	Vent of Edziza	1200-06-
Desolation, Valley of (W Indies)	Thermal feature of Watt, Morne	1600-101
Destinee, Morne (W Indies)	Dome of Diables, Morne aux	1600-08=
Deuxieme Formica Leo (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Devastation (Canada)	Vent of Meager	1200-18-
Devastation Volcano [Pogromni] (Aleutian Is)	Stratovolcano of Westdahl	1101-34-
Devastator, the (Canada)	Cone of Meager	1200-18-
Devil Mountain (Alaska-W)	Shield volcano of Espenberg	.....
Devil Rock [Ngwala Rock] (Vanuatu)	Tuff cone of Aoba	0507-03=
Devils Cauldron (US-Idaho)	Cone of Craters of the Moon	1204-02-
Devils Desk (Alaska Peninsula)	Stratovolcano (None) Pleistocene	.....
Devils Garden (US-Oregon)	Volcanic field (None) Holocene?	**1202-12-**

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Devils Hill (US-Oregon)	Dome of South Sister	1202-08-
Devils Kitchen (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Devil's Needle (Africa-E)	Vent of Lengai, Ol Doinyo	0202-12=
Devils Throat (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Dewa-Fuji (Honshu-Japan)	Synonym of Chokai	0803-22=
Dgida Basin (Russia-SE)	Cinder cones (None) Pleistocene	.....
Dhamar, Harras of (Arabia-S)	Volcanic field (1, 1937) Historical	**0301-12-**
Dhemeneghaki (Greece)	Pumice cone of Milos	0102-03=
Dhin, Jabal (Arabia-S)	Crater of Arhab, Harra of	0301-09-
Dhu Rakham, Jabal (Arabia-S)	Cone of Dhamar, Harras of	0301-12-
Di Baruh, Danau (Sumatra)	Crater of Talang	0601-16=
Diables, Morne aux (W Indies)	Stratovolcano (None) Holocene	**1600-08=**
Diablo, Cerro del (Chile-S)	Cinder cone of Palei-Aike Volc Field	1508-08-
Diablotins, Morne (W Indies)	Stratovolcano (None) Holocene?	**1600-09=**
Diamante (Chile-C)	Pleistocene caldera of Maipo	1507-021

Patricio Ramon (Escuela Politecnica, Quito)

The 5-km-wide caldera of **Darwin** volcano in the Galápagos Islands, named after the renowned naturalist, displays terraces of former caldera floor lava flows. Volcán Wolf (right) and the tip of Volcán Ecuador (far left) are in the background.

Diamante (Argentina)	Stratovolc of Northern Mendoza Field	.....
Diamond Craters (US-Oregon)	Volcanic field (None) Holocene?	**1202-17-**
Diamond Peak (US-Oregon)	Shield volcano (None) Pleistocene	.....
Diamond Rock (W Indies)	Dome of Kick 'em Jenny	1600-16=
Diamond Rockpile (US-Oregon)	Cone of Diamond Peak	.....
Diau [Mt. Diau] (D'Entrecasteaux Is)	Stratovolcano of Dawson Strait Group	0503-06=
Diaz, De (Argentina)	Cinder cone of Unnamed	.....
Diba' Al Hurus, Jibal (Arabia-W)	Dome of Rahat, Harrat	0301-07=
Dickah Hill (Australia)	Cone of Atherton Volc Province	.....
Didica (Didicas) (Luzon-N of)	Synonym of Didicas	0704-02=
Didicas (Luzon-N of)	Compound volcano (6, 1978) Historical	**0704-02=**
Didikas Rocks (Luzon-N of)	Synonym of Didicas	0704-02=
Didimtu (Ethiopia)	Cone of Mega Basalt Field	0201-33-
Didolli (Ethiopia)	Caldera (None) Pleistocene	.....
Diego Alvarez (Atlantic-S)	Synonym of Gough Island	.....
Diego de la Haya (Costa Rica)	Crater of Irazu	1405-06=
Diego de la Haya Fernandez	Crater of Irazu	1405-06=
Diego Hernandez (Canary Is)	Pleistocene caldera of Tenerife	1803-03-
Dieng Volc Complex (Java)	Complex volcano (26, 2009) Historical	**0603-20=**
Dietro Isola, Cuddioli di (Italy)	Shield volcano of Pantelleria	0101-071
Difeso, Monte (Italy)	Cinder cone of Etna	0101-06=
Diguillin (Chile-C)	Pleist. caldera of Chillan, Nevados de	1507-07=
Dikii Greben' [Dikiy Greben] (Kamchatka)	Synonym of Diky Greben	1000-022
Dikkartin Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Dikkartini (Turkey)	Dome of Erciyes Dagi	0103-01=
Diky Greben (Kamchatka)	Lava domes (4, 350) Radiocarbon	**1000-022**
Diky Khrebet [Dikye Greben] (Kamchatka)	Synonym of Diky Greben	1000-022
Dilekene (Halmahera-Indonesia)	Crater of Dukono	0608-01=
Dilham, Jabal (Arabia)	Tuff ring of Hutaymah, Harrat	.....
Diller Cone [Maklaks Crater] (US-Oregon)	Cinder cone of Crater Lake	1202-16-
Dima (Kamchatka)	Lava cone of Krasheninnikov	1000-19=
Dimmadalshaedh (Iceland-SW)	Shield volcano of Hengill	1701-05=
Dinero (Chile-S)	Cinder cone of Palei-Aike Volc Field	1508-08-
Dingin, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Diodio (D'Entrecasteaux Is)	Maar of Goodenough	0503-041
Diogeneas, Mt. [Hanging Rock] (Australia)	Dome of Newer Volcanics Prov	0509-01-
Dionisio (Luzon-N of)	Stratovolcano of Babuyan Claro	0704-03=
Dirdo Koma (Ethiopia)	Crater of Manda-Inakir	0201-122
Disappointment Cleaver (US-Washington)	Thermal feature of Rainier	1201-03-
Disappointment Peak (US-Washington)	Dome of Glacier Peak	1201-02-
Dishpan Gap (US-Washington)	Cinder cone of Glacier Peak	1201-02-
Ditmara (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Ditmar-Taushits-Sosed (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Dittmar (US-California)	Stratovolcano (None) Pleistocene	.....
Dives, Mont De La (Indian O.-S)	Stratovolcano of Amsterdam Island	0304-001
Divisadero, Cerro el (Mexico)	Cone of Camargo Volc Field	.....

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Dixon, Mt. (Indian O.-S)	Stratovolcano of Heard	0304-01=
Djabi (Ethiopia)	Synonym of Corbetti Caldera	0201-29-
Djailolo (Halmahera-Indonesia)	Synonym of Jailolo	0608-051
Djambangan [Jambangan] (Java)	Crater of Iyang-Argapura	0603-33=
Djambull, Bukit (Sumatra)	Synonym of Jambul, Bukit	.....
Djapati [Japati] (Java)	Crater of Guntur	0603-13=
Djar'a, Djebel (Arabia-W)	Synonym of Yar, Jabal	0301-08-
Djar'atain, Harra of [Jar'atain] (Arabia-W)	Cone of Yar, Jabal	0301-08-
Djarian, Kawah [Kawah Jarian] (Java)	Crater of Tangkubanparahu	0603-09=
Djarra (Arabia-W)	Synonym of Yar, Jabal	0301-08-
Djawalo [Jawalo] (Lesser Sunda Is)	Crater of Paluweh	0604-15=
Djebel (French; of Arabic word for Mt.) see proper name (e.g. Doukkhan, Djebel)		
Djembangan [Jambangan] (Java)	Caldera of Semeru	0603-30=
Djembangan [Jambangan] (Java)	Caldera of Semeru	0603-30=
Djerban (Arabia-S)	Crater of Arhab, Harra of	0301-09-
Djero [Jero] (Java)	Crater of Arjuno-Welirang	0603-29=
Djinggo, Kapundan [Kepundan Jinggo]	Crater of Marapi	0601-14=
Djiring Plateau (SE Asia)	Synonym of Haut Dong Nai	0705-04-
Djonggring Seloko [Jonggring Seloko] (Java)	Crater of Semeru	0603-30=
Djougoudja Dsaha (Indian O.-W)	Crater of Karthala	0303-01=
Djungo, Le (Africa-W)	Cone of Tombel Graben	0204-011
Djurig, Kawah [Kawah Jurig] (Java)	Crater of Tangkubanparahu	0603-09=
Dobu (D'Entrecasteaux Is)	Stratovolcano of Dawson Strait Group	0503-06=
Dodoekko (Halmahera-Indonesia)	Synonym of Dukono	0608-01=
Doe Mountain (US-California)	Dome of Maidu	.....
Doe Peak (US-California)	Cone of Medicine Lake	1203-02-
Doeang (Sangihe Is-Indonesia)	Synonym of Ruang	0607-01=
Doekono (Halmahera-Indonesia)	Synonym of Dukono	0608-01=
Doewang (Sangihe Is-Indonesia)	Synonym of Ruang	0607-01=
Dofan (Dofane, Dofani) (Ethiopia)	Synonym of Dofen	0201-18=
Dofen (Ethiopia)	Stratovolcano (None) Holocene	**0201-18=**
Dogana, La (Italy)	Cone of Vulsini	0101-003
Dogs Head (US-Washington)	Dome of St. Helens	1201-05-
Dohmberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Doinyo, Donyo (Masai for Mt.) see proper name (e.g. Buru, Doinyo)		
Dolinnyi (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Dolok (Indonesian for Mountain) see proper name (e.g. Singgalang, Dolok)		
Dolomieu (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Dolon Nor (China-E)	Synonym of Dalainuoer	.....
Dom Joao de Castro Bank (Azores)	Synonym of Don Joao de Castro Bank	1802-07=
Doma Ale (Ethiopia)	Synonym of Dama Ali	0201-141
Doma Carva (Indian O.-S)	Pleist. caldera of Kerguelen Islands	0304-02=
Doma Peaks (New Guinea)	Stratovolcano (None) Holocene?	**0503-00-**
Domadalshraun (Iceland-S)	Fissure vent of Torfajokull	1702-05=
Domain (New Zealand)	Tuff ring of Auckland Field	0401-02=
Domas, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Domashnii (Kamchatka)	Cinder cone of Kostakan	1000-122
Dombrovskiy (Russia-SE)	Cone of Vitim Plateau	1002-04-
Dome Mountain (Canada)	Cone of Dark Mountain	.....
Dome, Puy de (France)	Dome of Chaine des Puys	0100-02-
Dome, The (US-Oregon)	Cinder cone of Newberry	1202-11-
Dome, the (New Zealand)	Dome of Taranaki [Egmont]	0401-03=
Domeshnyaya (Kamchatka)	Dome of Ksudach	1000-05=
Domingo Spring (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Domo del Azufre (Chile-C)	Dome of Puyehue-Cordon Caulle	1507-15=
Domuyo (Argentina)	Stratovolcano (None) Holocene?	**1507-067**
Don Casimiro, Volcan (Chile-C)	Cinder cone of Maipo	1507-021
Don Chana, Cerro (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Don Chuco (Chile-C)	Stratovolcano of Tinguiririca	1507-03=
Don Gregorio [Cerro Don Chana] (Guat.)	Cinder cone of Cuilapa-Barbarena	1402-111
Don Joao de Castro Bank (Azores)	Submarine volcano (1, 1720) Historical	**1802-07=**
Don Pedro, Cerro (Mexico)	Cinder cone of Camargo Volc Field	.....
Dona Juana (Colombia)	Stratovolcano (2, 1906) Historical	**1501-07=**
Donald (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Donald Duck (New Zealand)	Crater of White Island	0401-04=
Dong Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Dongdapotou (SE Asia)	Cone of Tengchong	0705-11-
Donghengdaoshan (China-E)	Cone of Longgang Group	1005-05-
Donghuokou (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Dongjianshan (China-E)	Dome of Yitong Group	.....
Dongjiaodebushan (China-E)	Cone of Wudalianchi	1005-03-
Donglongmenshan (China-E)	Cone of Wudalianchi	1005-03-
Donglongwan (China-E)	Maar of Longgang Group	1005-05-
Dongo, Morne (W Indies)	Dome of Soufrière Guadeloupe	1600-06=
Dongshan (China-E)	Cone of Erkeshan	.....
Donkoro-yama (Hokkaido-Japan)	Cone of Usu	0805-03=
Donnoye (Kamchatka)	Thermal feature of Mutnovsky	1000-06=
Doon [Trou au Natron] (Africa-N)	Pleistocene caldera of Tousside, Tarso	0205-01=
Doon Kidimi (Africa-N)	Crater of Tousside, Tarso	0205-01=
Doon Kinimi [Doon Kidimi] (Africa-N)	Crater of Tousside, Tarso	0205-01=
Doon Orei [Trou au Natron] (Africa-N)	Pleistocene caldera of Tousside, Tarso	0205-01=
Dora, Mount (US-New Mexico)	Shield volcano of Raton-Clayton	.....
Doro Afi Toi (Lesser Sunda Is)	Dome of Tambora	0604-04=
Doro Api (Lesser Sunda Is)	Cone of Sangeang Api	0604-05=
Doro Mantai (Lesser Sunda Is)	Cone of Sangeang Api	0604-05=
Doro Mantoi [Doro Mantai] (Lesser Sunda Is)	Cone of Sangeang Api	0604-05=
Dorr Fumarole Field (US-Washington)	Thermal feature of Baker	1201-01=
Dos Cerros (Mexico)	Shield volcano of Chichinautzin	1401-08=
Dos Coyotes (Mexico)	Dome of Primavera, Sierra la	.....
Dos Equis (Mexico)	Dome of Ceboruco	1401-03=
Dos Hermanos (Hispaniola)	Volcanic field (None) Pleistocene	.....
Dos Novillos, Volcan (Costa Rica)	Stratovolcano of Turrialba	1405-07=
Dos Trinta, Cabeco (Azores)	Cone of Fayal	1802-01=
Dotsero (US-Colorado)	Maar (1, -2200) Radiocarbon	**1208-01-**

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Double Crater (Alaska Peninsula)	Stratovolcano of Emmons Lake	1102-02-
Double Glacier (Alaska-SW)	Lava domes (None) Pleistocene	.....
Double Head Mountain (US-California)	Cone of Hackamore	.....
Double Hole Crater (US-California)	Crater of Medicine Lake	1203-02-
Douglas (Alaska Peninsula)	Stratovolcano (None) Holocene	**1102-27-**
Doukkhan, Djebel [Jebel Duchan] (Red Sea)	Cone of Tair, Jebel at	0201-01=
Doussaints (Costa Rica)	Cone of Irazú	1405-06=
Dowi [Mt. Reaumur] (New Guinea-NE of)	Stratovolcano of Long Island	0501-05=
Downs Cone (Antarctica)	Cone of Toney Mountain	1900-026
Downton (Canada)	Cone of Itcha Range	.....
Doyo Seamount (Izu Is-Japan)	Submarine volcano (None) Fumarolic	**0804-095**
Dr. Ferreira, Pico (Azores)	Cone of Picos Volc System	1802-081
Dragon (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Drakesbad (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Drakon (Kuril Is)	Dome of Grozny Group	0900-07=
Drangagrundir (Iceland-NE)	Fissure vent of Krafla	1703-08=
Dreiser Weiher (Germany)	Maar of West Eifel Volc Field	0100-01-
Drekagigarod (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Dringo (Java)	Crater of Dieng Volc Complex	0603-20=
Drouz, Djebel ed (Syria)	Synonym of Druze, Jabal ad	0300-06-
Drum (Alaska-E)	Stratovolcano (None) Pleistocene	.....
Druse, Jabal (Syria)	Cone of Es Safa	0300-05-
Druz, Jabal al (Syria)	Synonym of Druze, Jabal ad	0300-06-
Druze, Jabal ad (Syria)	Volcanic field (None) Holocene	**0300-06-**
Dry Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Dry Crater (Africa-E)	Crater of Central Island	0202-01=
Dry Creek Dome (US-California)	Dome of Long Valley	.....
Dry Maar (US-Oregon)	Maar of Diamond Craters	1202-17-
Dryden's Rock [Hanging Rock] (Australia)	Dome of Newer Volcanics Prov	0509-01-
Drygalski, Mt. (Indian O.-S)	Cone of Heard	0304-01=
Du Faure (New Britain-SW Pac)	Stratovolcano (None) Post-Miocene	.....
Dua Saudara (Halmahera-Indonesia)	Cone of Amasing	0608-072
Dua Saudara (Sulawesi-Indonesia)	Stratovolcano of Tongkoko	0606-13=
Duang (Sangihe Is-Indonesia)	Synonym of Ruang	0607-01=
Duani (Africa-E)	Cone of Chyulu Hills	0202-13=
Duanzishan [Tuanzishan] (China-E)	Cinder cone of Keluo Group	1005-02-
Duau, Mt. (New Guinea)	Stratovolcano (None) Pleistocene	.....
Dubbeh, Djebel (Ethiopia)	Synonym of Dubbi	0201-10=
Dubbey, Gebel (Ethiopia)	Synonym of Dubbi	0201-10=
Dubbi (Ethiopia)	Stratovolcano (2, 1861) Historical	**0201-10=**
Duchan, Jebel (Red Sea)	Cone of Tair, Jebel at	0201-01=
Duck Lake (US-Wyoming)	Crater of Yellowstone	1205-01-
Ducrot (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Duders Hill (New Zealand)	Cone of Auckland Field	0401-02=
Duenjo (Masai for Mt.) see proper name (e.g. Ngai, Duenjo)		
Dufferinbreen (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Duffrin Island (Canada)	Cone of Milbanke Sound Group	1200-12-
Duffy Butte (US-Oregon)	Cone of Three Fingered Jack	.....
Duga (Kamchatka)	Cinder cone of Krasheninnikov	1000-19=
Duguna (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Dujianshan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Dukana Volc Field (Ethiopia)	Synonym of Mega Basalt Field	0201-33-
Duko Ma Tala (Halmahera-Indonesia)	Synonym of Dukono	0608-01=
Dukono (Halmahera-Indonesia)	Complex volcano (5, 2010) Historical	**0608-01=**
Dulan-Khara (Mongolia)	Cone of Orkhon Gol	.....
Dumas (Indian O.-S)	Cone of Amsterdam Island	0304-001
Dumauze, Piton (W Indies)	Dome of Carbets, Pitons de	.....
Dumilah (Java)	Crater of Lawu	0603-26=
Dumpel (Germany)	Maar of East Eifel Volc Field	.....
Duncan (Galápagos)	Synonym of Pinzon	.....
Duncan Canal (Alaska-E)	Volcanic field (None) Holocene	**1105-05-**
Dundee Island (Antarctica)	Cone of Tabarin Peninsula	.....
Dundoli (Africa-E)	Cone of Ngozi	0202-164
Dunhua (China-E)	Unknown (None) Quaternary	.....
Duniva Hora (Slovakia)	Vent of Filakovo-Salgotarjan	.....
Duportail (New Britain-SW Pac)	Synonym of Lolobau	0502-13=
Duppacher Weiher (Germany)	Maar of West Eifel Volc Field	0100-01-
Dupungan (Mindanao-Philippines)	Cone of Imbing	.....
Duranda! (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Durango Volc Field (Mexico)	Cinder cones (None) Holocene	**1401-022**
Duraz, Jebel (Syria)	Synonym of Druze, Jabal ad	0300-06-
Duraznero [San Juan] (Canary Is)	Fissure vent of La Palma	1803-01-
Duraznillo, Cerro (El Salvador)	Stratovolcano of Santa Ana	1403-02=
Durbulzhi-Ula (Mongolia)	Unknown (None) Pleistocene	.....
Dürika (Costa Rica)	Lava domes (None) Pleistocene	.....
Dürres (Germany)	Maar of West Eifel Volc Field	0100-01-
Duruz, Jabal ed (Syria)	Synonym of Druze, Jabal ad	0300-06-
Dusy (Mongolia)	Cone of Dariganga Volc Field	1003-04-
Dutton (Alaska Peninsula)	Stratovolcano (None) Holocene	**1102-011**
Dutton Cliff (US-Oregon)	Stratovolcano of Crater Lake	1202-16-
Duwang (Sangihe Is-Indonesia)	Synonym of Ruang	0607-01=
Dveggar (Iceland-NE)	Crater Row of Tungnafellsjokull	1703-04=
Dvergahraun (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Dvoinoi (Russia-SE)	Dome of Udokan Plateau	1002-03-
Dvoinoy (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Dvor (Kamchatka)	Stratovolcano of Karymsky	1000-13=
Dvukhglavy (Kamchatka)	Dome of Bezymianny	1000-25=
Dvukhyurtochny (Kamchatka)	Shield volcano (None) Pleistocene	.....
D'yakhtardakh (Russia-NE)	Cone of Unnamed	.....
Dyngjufjallahraun (Iceland-NE)	Crater Row of Askja	1703-06=
Dyngjufjoll (Iceland-NE)	Crater Row of Askja	1703-06=
Dyngjuhals (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Dyngnahraun (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Dynjufjoll (Dyngjufjall) (Iceland-NE)	Synonym of Askja	1703-06=
Dzan Tologai (Mongolia)	Cone of Taryatu-Chulutu	1003-01-
Dzenzurskaia, Sopka (Kamchatka)	Synonym of Dzenzursky	1000-11=
Dzenzursky (Kamchatka)	Compound volcano (None) Holocene	**1000-11=**
Dzhanga-Tapa (Armenia)	Cone of Aragats	0104-06-
Dzhida Basin (Russia-SE)	Synonym of Dgida Basin	.....
Dzigoku [Trezubetz] (Kuril Is)	Somma volcano of Kolokol Group	0900-12=
Dzun-Nerette (Mongolia)	Cone of Dariganga Volc Field	1003-04-

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Eacham, Lake (Australia)	Maar of Atherton Volc Province	.....
Eagle Lake Field (US-California)	Fissure vents (None) Holocene?	**1203-09-**
Eagle Peak (US-California)	Dome of Lassen Volc Center	1203-08-
Eagle Tail Mountain (US-New Mexico)	Cone of Raton-Clayton	.....
Eaglehawk Hill (Australia)	Cone of McBride Volc Province	.....
Eanastick Meadow (Canada)	Vent of Garibaldi	1200-20-
Earthquake Dome (US-California)	Dome of Mammoth Mountain	1203-15-
Earthquake Flat (New Zealand)	Crater of Kapenga	.....
East Butte (US-Oregon)	Dome of China Hat-East Butte	.....
East Cabrit (W Indies)	Dome of Diables, Morne aux	1600-08=
East Cape Volcano (Aleutian Is)	Stratovolcano of Buldir	1101-01-
East Crater (US-Washington)	Shield volcano of Indian Heaven	1201-07-
East Crater (US-Washington)	Crater of Rainier	1201-03-
East Crater (New Zealand)	Crater of Ruapehu	0401-10=
East Crater (New Zealand)	Crater of White Island	0401-04=
East Crater (Alaska-E)	Crater of Wrangell	1105-02-
East Diamante (Mariana Is-C Pacific)	Submarine volcano (None) Fumarolic	**0804-201**
East Dome (US-Washington)	Dome of St. Helens	1201-05-
East Dome (New Zealand)	Dome of Whale Island	.....
East Eifel Volc Field (Germany)	Maars (None) Pleistocene	.....
East Epi (Vanuatu-SW Pacific)	Caldera of Epi	0507-06=
East Island (Indian O.-S)	Synonym of Est, Ile de l'	0304-03-
East Lake Fissure (US-Oregon)	Fissure vent of Newberry	1202-11-
East Lava Field (US-Oregon)	Synonym of Squaw Ridge Lava Field	1202-13-
East Maar (Alaska Peninsula)	Maar of Ukinrek Maars	1102-131
East Maui Volcano (Hawaiian Is)	Synonym of Haleakala	1302-06-
East Molokai (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
East Rift Zone (Hawaiian Is)	Fissure vent of Kilauea	1302-01-
East Sand Butte (US-California)	Cone of Medicine Lake	1203-02-
East Sayan Volc Field (Russia-SE)	Synonym of Oka Plateau	1002-06-
East Sikhote-Alin (Russia-SE)	Synonym of Sikhote-Alin	1002-01-
East Tanaka (Aleutian Is)	Stratovolcano of Tanaga	1101-08-
East Tanna Volcano (Vanuatu)	Stratovolcano (None) Pleistocene	.....
East Trident (Alaska Peninsula)	Stratovolcano of Trident	1102-16-
East Tuva Plateau (Russia-SE)	Synonym of Azas Plateau	1002-07-
East Twin Crater (US-Oregon)	Maar of Diamond Craters	1202-17-
East Zeway (Ethiopia)	Synonym of East Zway	0201-252
East Ziway (Ethiopia)	Synonym of East Zway	0201-252
East Zwai (Ethiopia)	Synonym of East Zway	0201-252

Ben Edwards (Dickinson College)

Eve Cone is one of many pyroclastic cones at **Edziza** volcano in northern British Columbia.

East Zway (Ethiopia)	Fissure vents (None) Holocene	**0201-252**
Easter Island (Chile-Is)	Shield volcanoes (None) Holocene	**1506-011**
Eastern Dome (New Zealand)	Dome of Okataina	0401-05=
Eastern Gemini Seamount (SW Pac.)	Submarine volcano (1, 1996) Historical	**0508-001**
Eastern Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Eastern Mound (Aleutian Is)	Stratovolcano of Fisher	1101-35-
East-Matthew (SW Pacific)	Cone of Matthew Island	0508-01=
Ebeko (Kuril Is)	Somma volcano (17, 2009) Historical	**0900-38=**
Ebino-dake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Ebo Lobo (Eboeloba) (Lesser Sunda Is)	Synonym of Ebulobo	0604-10=
Eboga (Africa-W)	Pleistocene caldera of Manengouba	0204-02-
Eboshi (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Eboshi-dake (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Eboshi-dake (Hokkaido-Japan)	Stratovolcano of Daisetsu	0805-06=
Eboshi-dake (Kyushu-Japan)	Cone of Kirishima	0802-09=
Eboshi-dake (Honshu-Japan)	Cone of Norikura	0803-06=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Eboshi-dake (Nyuto-san) (Honshu-Japan)	Stratovolcano of Nyuto-Takakura	.....
Eboshi-Washigatake (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Eboshi-yama (Honshu-Japan)	Stratovolcano of Eboshi	.....
Eboshi-yama (Hokkaido-Japan)	Dome of Tokachi-Eboshi	.....
Ebosi-dake [Eboshi-dake] (Hokkaido-Japan)	Stratovolcano of Daisetsu	0805-06=
Ebosi-dake [Eboshi-dake] (Kyushu-Japan)	Cone of Kirishima	0802-09=
Ebu Lobo (Lesser Sunda Is)	Synonym of Ebulobo	0604-10=
Ebulobo (Lesser Sunda Is)	Stratovolcano (7, 1969) Historical	**0604-10=**
Eburru (Africa-E)	Synonym of Eburru, Ol Doinyo	0202-08=
Eburru, Ol Doinyo (Africa-E)	Complex volcano (None) Holocene	**0202-08=**
Ecatzingo Cones (Mexico)	Cinder cone of Popocatepetl	1401-09=
Eccles, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Echado (Cerro Chillahuita) (Chile-N)	Dome of Leon, Cerro del	.....
Echo Crater Butte (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Eckersley, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Ecoma, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Ecuador (Galapagos)	Shield volc (1, 1150) Surface Exposure	**1503-011**
Edd Lava Field (Ethiopia)	Volcanic field of Dubbi	0201-10=
Edd, Volcano of (Ethiopia)	Synonym of Dubbi	0201-10=
Eddystone Island (Solomon Is-SW Pacific)	Synonym of Simbo	0505-05=
Eden, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
Edgecumbe (Alaska-E)	Stratovolcanoes (3, -2220) Radiocarbon	**1105-04-**
Edgecumbe, Mt. (New Zealand)	Dome of Okataina	0401-05=
Edziza (Canada)	Stratovolcano (4, 950) Radiocarbon	**1200-06-**
Eek (Alaska Peninsula)	Synonym of Veniaminof	1102-07-

Jürg Alean (Stromboli Online)

The summit of **Erta Ale** volcano, the most active in Ethiopia, contains a dramatic 0.7 x 1.6 km, elliptical caldera housing steep-sided pit craters that have hosted long-term active lava lakes.

Egan (US-Oregon)	Cinder cone of Bachelor	1202-09-
Egersuwa (Ethiopia)	Lava domes (None) Pleistocene	.....
Eggella (Kamchatka)	Shield volcano (None) Holocene?	**1000-42-**
Eggoya (Atlantic-N-Jan Mayen)	Tuff cone of Jan Mayen	1706-01=
Egmont (New Zealand)	Synonym of Taranaki [Egmont]	0401-03=
Egon (Lesser Sunda Is)	Stratovolcano (4, 2008) Historical	**0604-16=**
Eguas (Azores)	Cone of Sete Cidades	1802-08=
Ehi (Chad term for Mountain) see proper name (e.g. Sosso, Ehi)		
Eickelberg Peak (Aleutian Is)	Stratovolcano of Fisher	1101-35-
Eifel Volc Field (Germany)	Synonym of West Eifel Volc Field	0100-01-
Eigo-zan (Honshu-Japan)	Synonym of Fuji	0803-03=
Eiler Butte (US-California)	Cinder cone of Tumble Buttes	1203-06-
Eimnakh (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Einindrangur (Iceland-S)	Submarine vent of Vestmannaeyjar	1702-01=
Eisenbuhl [Zelezna Hurka] (Czech)	Cinder cone of Cheb Basin	.....
Ekarma (Kuril Is)	Stratovolcano (2, 1980) Historical	**0900-27=**
Ekaruma (Kuril Is)	Synonym of Ekarma	0900-27=
Ekstrusivny Greben (Kamchatka)	Dome of Bezymianny	1000-25=
Ekundo (Africa-W)	Cone of Cameroon	0204-01=
El see proper name (e.g. Nuevo, El)		
El Fraile (Spain)	Cone of Cofrentes	.....
Ela (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Elaho Valley (Canada)	Vent of Meager	1200-18-
Elanairobi (Africa-E)	Synonym of Embagai	.....
Elbrus (Russia-SW)	Stratovolcano (1, 50) Tephrochronology	**0104-01-**
Eldborg (Iceland-W)	Cone of Ljosufjoll	1700-03=
Eldborg a Brennisteinsfjollum (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Eldborg Nyrdri at Lambafell (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Eldborg Sydri at Lambafell (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Eldborg undir Meitlum (Iceland-SW)	Crater Row of Hengill	1701-05=
Eldborg-Drottningu (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Eldborgir (Iceland-SW)	Crater Row of Hengill	1701-05=
Eldborgir-Tindaskaga (Iceland-SW)	Crater Row of Hengill	1701-05=
Eldborg-Thingvallavatn (Iceland-SW)	Crater Row of Hengill	1701-05=
Eldborg-Trolladyngja (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Eldey (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Eldeyjar (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Eldeyjarbodi (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Eldfell (Iceland-S)	Fissure vent of Vestmannaeyjar	1702-01=
Eldgigur (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Eldgja (Iceland-S)	Fissure vent of Katla	1702-03=
Eldvidarhraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Eldoerne [Eldeyjar] (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Eldvorp (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Electra, Mt. (Antarctica)	Synonym of Pleiades, The	1900-013
Elegante, Volcan el (Mexico)	Maar of Pinacate	1401-001
Eleitoga (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Elelau (Ethiopia)	Synonym of Jalua	0201-03=
Elena Capurata [Capurata] (Chile-N)	Stratovolcano of Acotango	.....
Elena, Crater (Mexico)	Crater of Pinacate	1401-001
Elengoum (Africa-W)	Pleistocene caldera of Manengouba	0204-02-
Elephant, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Eliane Cone (Indian O.-W)	Submarine vent Fournaise, Piton de la	0303-02=
Eliza, Mt. (Australia)	Dome of Newer Volcanics Prov	0509-01-
Elk Butte (US-Wyoming)	Dome of Yellowstone	1205-01-
Elk Mountain (US-Oregon)	Cone of Williamson Mountain	.....
Ellidaey (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Elliott's Crater (US-Wyoming)	Crater of Yellowstone	1205-01-
Ellis Cone (Antarctica)	Cone of Toney Mountain	1900-026
Elittico (Italy)	Pleistocene caldera of Etna	0101-06=
Elmau (Africa-E)	Cone of Chyulu Hills	0202-13=
Elmenteita Badlands (Africa-E)	Pyroclastic cones (None) Holocene	**0202-071**
Eloi, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Elovsky (Kamchatka)	Shield volcanoes (1, -7550) Tephrochron	**1000-59-**
Elwyn Hot Springs (Canada)	Thermal feature of Edziza	1200-06-
Emae (Vanuatu-SW Pacific)	Complex volcano (None) Pleistocene	.....
Emao [Loboa] (Vanuatu-SW Pacific)	Stratovolcano of North Vate	0507-081
Embagai (Africa-E)	Caldera (None) Quaternary	.....
Embajada, Cerro de la (Nicaragua)	Cinder cone of Nejapa-Miraflores	1404-092
Embanques, Los (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Ember Ridge (Canada)	Dome of Cayley, Mt.	.....
Embocadero, Volcan (Mexico)	Cinder cone of Mascota Volc Field	1401-031
Emborio (Greece)	Thermal feature of Nisyros	0102-05=
Emi (Chad term for Mountain) see proper name (e.g. Koussi, Emi)		
Emigrant Valley (US-Montana)	Unknown (None) Pleistocene	.....
Emma, Mt. (US-Arizona)	Cinder cone of Uinkaret Field	1209-01-
Emmons Lake (Alaska Peninsula)	Caldera (None) Holocene	**1102-02-**
Emmons, Mount (Alaska Peninsula)	Stratovolcano of Emmons Lake	1102-02-
Empaakai (Africa-E)	Synonym of Embagai	.....
Empajada, La (Nicaragua)	Cinder cone of Nejapa-Miraflores	1404-092
Empedrado, El (Honduras)	Cone of Pedregal, El	.....
Emperor Cone (Antarctica)	Cinder cone of Morning, Mt.	1900-020
Emperor of China (Banda Sea)	Submarine volcano? (Uncertain)	**0605-01=**
Emperor Range (Bougainville)	Calderas (None) Pleistocene	.....
Empoeng (Sulawesi-Indonesia)	Synonym of Lokon-Empung	0606-10=
Empong [Empung] (Sulawesi-Indonesia)	Crater of Lokon-Empung	0606-10=
Empung (Sulawesi-Indonesia)	Crater of Lokon-Empung	0606-10=
Emstruhruan (Iceland-S)	Fissure vent of Katla	1702-03=
Emu Hill (Australia)	Cone of McBride Volc Province	.....
Emuruangogolak (Africa-E)	Shield volcano (8, 1910) Radiocarbon	**0202-051**
Emuruepoli (Africa-E)	Cone of Emuruangogolak	0202-051
Enambaba (Africa-E)	Cone of Emuruangogolak	0202-051
'Enaz, Hala-'I- (Arabia-W)	Cone of 'Uwayrid, Harrat	0301-02=
Encantada Mayor, La (Mexico)	Synonym of San Luis, Isla	1401-003
Encantada, Caldera (Canary Is)	Cinder cone of Fuerteventura	1803-05-
Encantada, Laguna (Mexico)	Maar of San Martin	1401-11=
Encierro, Cerro (US-New Mexico)	Vent of Zuni-Bandera	1210-02-
Enclos Velain [Velain] (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Endeavour Ridge (Pacific-NE)	Submarine volcano (2, -3490) U-series	**1301-01-**
Endeh Api (Lesser Sunda Is)	Synonym of Iya	0604-11=
Enderby Island (Galapagos)	Tuff cone of Floreana	.....
Endut (Java)	Stratovolcano (None) Pleistocene	.....
Endut, Gunung (Java)	Stratovolcano of Perbakti-Gagak	0603-04=
Enforcado, Pico do (Azores)	Cone of Sete Cidades	1802-08=
Engare Sukuta [Suguta-Logkipi] (Africa-E)	Thermal feature of Barrier, The	0202-03=
Engeloreti, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
English's Crater (W Indies)	Crater of Soufriere Hills	1600-05=
Engorda, Volcan la (Chile-C)	Stratovolcano of San Jose	1507-02=
Enid Creek (Canada)	Cone of Dark Mountain	.....
Eniwa (Hokkaido-Japan)	Stratovolcano of Shikotsu	0805-04=
Enko-dake (Honshu-Japan)	Cone of Norikura	0803-06=
Enkorika (Africa-E)	Fissure vent of Suswa	0202-11=
Enostuck Meadow [Eanastick Meadow]	Vent of Garibaldi	1200-20-
Ensenada el Viejo (Nicaragua)	Tuff ring of Zapatera	1404-111
Ensenada los Chiqueros (Nicaragua)	Lava cone of Zapatera	1404-111
Ensenadas de Punta Gorda (Nicaragua)	Cone of Zapatera	1404-111
Entremontanas, Montaña (Canary Is)	Cinder cone of Hierro	1803-02-
Enval, Maar d' (France)	Maar of Chaine des Puys	0100-02-
Eonostuck Meadow [Eanastick Meadow]	Vent of Garibaldi	1200-20-
Epi (Vanuatu-SW Pacific)	Stratovolcanoes (8, 2004) Historical	**0507-06=**
Epi A (Vanuatu-SW Pacific)	Submarine vent of Epi	0507-06=
Epi B (Vanuatu-SW Pacific)	Submarine vent of Epi	0507-06=
Epi C (Vanuatu-SW Pacific)	Submarine vent of Epi	0507-06=
Epomeo (Italy)	Synonym of Ischia	0101-03=
Eppelsberg (Germany)	Cone of East Eifel Volc Field	.....
Epsom Avenue (New Zealand)	Cone of Auckland Field	0401-02=
Epun (Chile-C)	Crater of Callaqui	1507-091
Era Kohor (Africa-N)	Caldera of Koussi, Emi	0205-021
Er-Bal Haf (Arabia-S)	Synonym of Bal Haf, Harra of	0301-17-
Erbenschell (Germany)	Cone of West Eifel Volc Field	0100-01-
Erciyas Dagi (Turkey)	Synonym of Erciyes Dagi	0103-01=
Erciyes Dagi (Turkey)	Stratovolcano (1, -6880) Radiocarbon	**0103-01=**
Erdjas (Erdschias, Erdzhias) (Turkey)	Synonym of Erciyes Dagi	0103-01=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Erebus (Antarctica)	Stratovolcano (20, 2010) Historical	1900-02=
Erebus (Indian O -S)	Cone of Kerguelen Islands	0304-02=
Erh-Ko-shan (China-E)	Synonym of Erkeshan	.....
Erh-Lung-wan [Erlongwan] (China-E)	Maar of Longgang Group	1005-05-
Erie (US-Nevada)	Cinder cones (None) Pleistocene?	.....
Eriksjokull (Iceland-SW)	Tuya (None) Pleistocene	.....
Erita, La (Mexico)	Cinder cone of Colima	1401-04=
Erkeshan (China-E)	Shield volcano (None) Pleistocene	.....
Erk-Keh-shan (China-E)	Synonym of Erkeshan	.....
Erlongwan (China-E)	Maar of Longgang Group	1005-05-
Ermak (Kuril Is)	Dome of Grozny Group	0900-07=
Ernici, Monti (Italy)	Volcanic field (None) Pleistocene	.....
Erpingdingshan (Taiwan)	Dome of Tatun Group	0801-032
Errant Cone (Nicaragua)	Cinder cone of Masaya	1404-10=
Erta Ale (Ethiopia)	Shield volcano (4, 2010) Historical	0201-08=
Erta Ali (Ertahale, Erto Ale) (Ethiopia)	Synonym of Erta Ale	0201-08=
Es Safa (Syria)	Volcanic field (1, 1850) Historical	0300-05-
Esa 'Ala (D'Entrecasteaux Is)	Synonym of Dawson Strait Group	0503-06=
Esan (Hokkaido-Japan)	Synonym of E-san	0805-011
E-san (Hokkaido-Japan)	Stratovolcano (7, 1874) Historical	0805-011
E-san Maru-yama (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Escala (Bolivia)	Lava dome (None) Pleistocene	.....
Escalante (Chile-N)	Stratovolcano of Sairecabur	1505-091
Escanaba Segment (Pacific-NE)	Submarine volcano (1, -2260) U-series	1301-04-
Escangraga, Montana de (Canary Is)	Cone of Fuerteventura	1803-05-
Eschelle (W Indies)	Cinder cone of Soufrière Guadeloupe	1600-06=
Esclavos, Cerrito los (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Escobeta, Cerro (Mexico)	Cone of Chichinautzin	1401-08=
Escondida, Cerro Laguna (Chile-N)	Cone of Cordon de Puntas Negras	1505-101
Escondida, Laguna (Argentina)	Synonym of Condor, Cerro el	1505-19-
Escondido, Cerro (Mexico)	Cone of Southern Guadalajara	.....
Escorial (Argentina)	Cinder cone of Unnamed	.....
Escorial, Cerro (Chile-N)	Stratovolcano (None) Holocene?	1505-112
Escorial, Cerro (Achin-Niuellu) (Argentina)	Cone of Huanquihue Group	1507-123
Escorias, Crater de las (Chile-C)	Crater of Calabozos	1507-042
Escuro, Monte (Azores)	Cone of Agua de Pau	1802-09=
Eshougedashan (China-E)	Cone of Datong-Fengzen	.....
Esh-Shamit, Djebel (Arabia-W)	Cone of Khaybar, Harrat	0301-06=
Esi, Jabal el- (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Esjufjoll (Iceland-SE)	Stratovolcano (Uncertain)	1704-02=
Eski Acigol (Turkey)	Maar of Acigol-Nevsehir	0103-004
Eskihlidarfjoll (Iceland-S)	Crater Row of Hekla	1702-07=
Eskimo Hill (US-California)	Cinder cone of Table Mountain	.....
Eskkrateret (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Esmeralda Bank (Mariana Is-C Pacific)	Submarine volc. (Uncertain) Fumarolic	0804-21=
Espagnol, Morne (W Indies)	Dome of Diablotins, Morne	1600-09=
Espana, Cerro (Colombia)	Dome of Santa Isabel	1501-021
Española (Galapagos)	Shield volcano (None) Post-Miocene	.....
Esparrago, El (Canary Is)	Cone of Tenerife	1803-03-
Espazote, Cerro el (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Espejos, Loma de los (Chile-C)	Dome of Maule, Laguna del	1507-061
Espenberg (Alaska-W)	Volcanic field (None) Pleistocene	.....
Esperance, Mt. (Solomon Is-SW Pacific)	Cone of Gallego	0505-062
Espiritu Santo (Chile-C)	Stratovolcano of San Jose	1507-02=
Espina (Costa Rica)	Dome of Arenal	1405-033
Espinasse, Puy d' (France)	Cone of Chaine des Puys	0100-02-
Espino, Cerrito el (El Salvador)	Dome of Ilopango	1403-06=
Espiritu Santo (Costa Rica)	Stratovolcano of Miravalles	1405-03=
Essa (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Es-Sawad, Djebel (Arabia-S)	Synonym of Marha, Jabal el-	0301-10-
Essi, Djebel al [Jabal el-Esi] (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Essimingor (Africa-E)	Stratovolcano (None) Pliocene	.....
Essingen (Germany)	Maar of West Eifel Volc Field	0100-01-
Essino (Greece)	Thermal feature of Kos	.....
Est, Ile de l' (Indian O.-S)	Stratovolcano (None) Holocene?	0304-03-
Estancia, Cerro la (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Estany, Volca l' (Spain)	Cone of Olot Volc Field	0100-03-
Esteli (Nicaragua)	Fissure vents (None) Holocene?	1404-131
Estivadoux, Maar d' (France)	Maar of Chaine des Puys	0100-02-
Estrada (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
Estrecho, Montana del (Canary Is)	Cinder cone of Tenerife	1803-03-
Estrella, Cerro de la (Mexico)	Cone of Chichinautzin	1401-08=
Etapan (Kamchatka)	Synonym of Etopan	.....
Ethnein, Hala-'I- (Arabia-W)	Synonym of Ithnayn, Harrat	0301-05=
Etinde (Africa-W)	Stratovolcano of Cameroon	0204-01=
Etna (Italy)	Stratovolcanoes (193, 2009) Historical	0101-06=
Etnea (Italy)	Synonym of Etna	0101-06=
Etoile, Pic de l' (Vanuatu-SW Pacific)	Synonym of Mere Lava	0507-021
Etopan (Kamchatka)	Shield volcano (None) Pleistocene	.....
Etorofu-Atosa-dake (Kuril Is)	Synonym of Atsonupuri	0900-05=
Etorofu-Yake-yama [Ivan Grozny] (Kuril Is)	Somma volcano of Grozny Group	0900-07=
Et-Tadawin (Arabia-S)	Tuff cone of Haylan, Jabal	0301-11-
Euramoo, Lake (Australia)	Crater of Atherton Volc Province	.....
Eurh, Jabal El (Arabia-S)	Cone of Dhamar, Harras of	0301-12-
Evangelista, Mt. (Italy)	Cone of Vulsini	0101-003
Evans Knoll (Antarctica)	Cone of Hudson Mountains	1900-028
Eve (Canada)	Cinder cone of Edziza	1200-06-
Eve [Galloseulo] (New Britain-SW Pac)	Stratovolcano of Hargy	0502-10=
Evensen (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Everitt Hill (US-California)	Shield volcano of Shasta	1203-01-
Evermann, Cerro (Mexico-Is)	Stratovolcano of Socorro	1401-021
Evliya Tepe (Turkey)	Dome of Erciyes Dagi	0103-01=
Ewen, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Exile Hill (Canada)	Cone of Spectrum Range	1200-07-
Expedition Crater (Kermadec Is)	Crater of Raoul Island	0402-03=
Expeditsii (Kamchatka)	Dome of Bezymianny	1000-25=
Eyafjalla (Iceland-S)	Synonym of Eyjafjallajokull	1702-02=
Eyjafjallajokull (Iceland-S)	Stratovolcano (3, 1823) Historical	1702-02=
Eyjafjoll (Iceland-S)	Synonym of Eyjafjallajokull	1702-02=
Eyra (Iceland-SW)	Fissure vent of Brennisteinsfjoll	1701-04=
Ezh [Yezh] (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=

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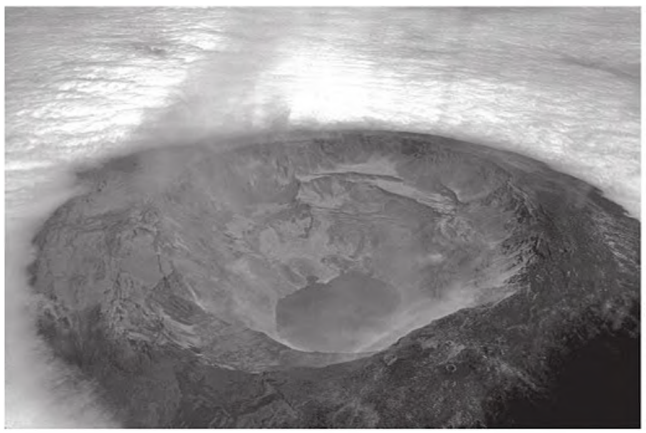
Fa'afafine Seamount (Samoa-SW Pacific)	Synonym of Vailulu'u	0404-00-
Faamotu (Tonga-SW Pacific)	Cone of Niuafo'ou	0403-11=
Fa'ani (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Fa'asemene (Samoa-SW Pacific)	Tuff cone of Ta'u	0404-001
Faete, Monte della (Italy)	Stratovolcano of Alban Hills	0101-004
Fagalo (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Fagamaa (Samoa-SW Pacific)	Tuff cone of Tutuila	0404-02-
Fagatele (Samoa-SW Pacific)	Tuff cone of Tutuila	0404-02-
Fagradalsfjall (Iceland-SW)	Tuya (None) Pleistocene	.....
Fagradalshraun (Iceland-SW)	Shield volcano of Krisuvik	1701-03=
Fagululu (D'Entrecasteaux Is)	Synonym of Iamalele	0503-05=
Faial (Azores)	Synonym of Fayal	1802-01=
Faina (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Fako (Africa-W)	Crater of Cameroon	0204-01=
Falaise, La (W Indies)	Dome of Plat Pays, Morne	1600-11=
Falcon Island (Tonga-SW Pacific)	Submarine volcano (5, 1936) Historical	0403-05=
Falconiera (Italy)	Cone of Ustica	.....
Faleasao (Samoa-SW Pacific)	Tuff cone of Ta'u	0404-001
Falen (Mindanao-Philippines)	Synonym of Parker	0701-011
Falling Mountain (Alaska Peninsula)	Dome of Trident	1102-16-
Falls Creek [Dragon Cone] (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Falso Azufre (Chile-N)	Complex volcano (None) Holocene?	1505-124
Fanal Island (New Zealand)	Dome of Mokohinau Islands	.....
Fan-Chia-Tung (China-E)	Synonym of Fanjiatung Group	.....
Fang (Antarctica)	Stratovolcano of Erebus	1900-02=
Fangshan (China-E)	Synonym of Jianghui Group	.....
Fanjiatung Group (China-E)	Cones (None) Quaternary	.....
Fantale (Fantali, Fantalle) (Ethiopia)	Synonym of Fentale	0201-19=
Fanthams Peak (New Zealand)	Cone of Taranaki [Egmont]	0401-03=
Fanua Lai (Tonga-SW Pacific)	Synonym of Fonualei	0403-10=
Fanuatapu (Samoa-SW Pacific)	Tuff ring of Upolu	0404-03-
Faraglione (Italy)	Cone of Vulcano	0101-05=
Farallon a Fortuna (Volcano Is-Japan)	Synonym of Ioto [Iwo-jima]	0804-12=
Farallon de Pajaros (Mariana Is)	Stratovolcano (16, 1967) Historical	0804-14=
Faris Peak (Aleutian Is)	Cone of Westdahl	1101-34-
Farm Flat (W Indies)	Dome of Liamuiga	1600-03=
Faro, Cerro el (Mexico)	Tuff cone of Isabel, Isla	1401-023
Faro, El (El Salvador)	Synonym of Izalco	1403-03=



Tom Simkin (Smithsonian)

Dust clouds rise from **Fernandina** caldera in the Galapagos Islands on July 4, 1968, about three weeks after a major explosive eruption that was followed by asymmetrical collapse up to 350 m of the floor of the 4 x 6.5 km wide caldera.

Farol (Azores)	Dome of Terceira	1802-05=
Fasnia, Volcan de (Canary Is)	Cinder cone of Tenerife	1803-03-
Father Clancy, Mt. (Australia)	Cone of Atherton Volc Province	.....
Father, the (New Britain-SW Pac)	Synonym of Ulawun	0502-12=
Fatmalapa (Vanuatu-SW Pacific)	Stratovolcanoes (None) Pleistocene	.....
Fatouleo-Kakoulo (Vanuatu-SW Pacific)	Stratovolcano of North Vate	0507-081
Fatu Hiva (Pacific-C)	Shield volcano (None) Pleistocene	.....
Fatuaga Point (Samoa-SW Pacific)	Cone of Ofu-Olosega	0404-01=
Faujas, Cratere (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Favare (Italy)	Thermal feature of Pantelleria	0101-071
Favenc, Mt. (New Guinea)	Stratovolcano (None) Pleistocene	.....
Fayal (Azores)	Stratovolcano (2, 1958) Historical	1802-01=
Fearn Island (SW Pacific)	Synonym of Hunter Island	0508-02=
Fedon's Camp (W Indies)	Stratovolcano of St. Catherine	1600-17=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Fedotych (Kamchatka)	Shield volcano (None) Holocene?	**1000-51-**
Fee, Mount (Canada)	Cone of Cayley, Mt	
Fefina (Tonga-SW Pacific)	Synonym of Falcon Island	0403-05=
Felci [Fossa delle Felci] (Italy)	Stratovolcano of Salina	
Fell (Chile-S)	Cinder cone of Palei-Aike Volc Field	1508-08-
Fellshraun (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Feni (New Ireland-SW Pacific)	Synonym of Ambitle	0504-02=
Fentale (Ethiopia)	Stratovolcano (2, 1820) Historical	**0201-19=**
Fente du Nord, Fumerolle de la (W Indies)	Therm. feature Soufrière Guadeloupe	1600-06=
Ferdinandea Bank [Guila-Ferdinandea] (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Ferle (Italy)	Cone of Pantelleria	0101-071
Fermin, Cerro (Chile-S/Argentina)	Cinder cone Crater Basalt Volc Field	1508-025
Fern Lake (US-Wyoming)	Crater of Yellowstone	1205-01-
Fernand (Indian O.-S)	Stratovolcano of Amsterdam Island	0304-001
Fernandez, Volcano de (Aleutian Is)	Synonym of Shishaldin	1101-36-

Tom Pierson (USGS/CVO)

Winter snows cover the slopes of Mount **Fuji**, Japan's highest and most renowned volcano. A 700-m-wide crater caps the 3776-m-high stratovolcano. Historical eruptions have been recorded from summit and flank vents since the 8th century.

Fernandina (Galápagos)	Shield volcano (28, 2009) Historical	**1503-01=**
Ferranto, Mount (Antarctica)	Cone of Fosdick Mountains	
Ferrarias (Azores)	Cone of Sete Cidades	1802-08=
Ferro (Canary Is)	Synonym of Hierro	1803-02-
Ferro, Pico do (Azores)	Dome of Furnas	1802-10=
Feuerberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Fiamoe (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Ficoreto, Monte (Italy)	Cone of Sabatini Complex	
Fierros, Cerro los (Mexico)	Cinder cone of Moctezuma Volc Field	
Fiftytwo Ridge (Canada)	Tuya of Wells Gray-Clearwater	1200-15-
Filakopi (Greece)	Pumice cone of Milos	0102-03=
Filakovo-Salgotarjan (Slovakia)	Volcanic field (None) Pleistocene	
Filete Cresta Montosa (Nicaragua)	Caldera of Cosigüina	1404-01=
Filete el Yankee (Nicaragua)	Cone of Cosigüina	1404-01=
Filete la Salvia (Nicaragua)	Cone of Cosigüina	1404-01=
Filicudi (Italy)	Stratovolcanoes (None) Pleistocene	
Filicudi Seamount (Italy)	Submarine vent of Filicudi	
Filines, Cerrito los (Guatemala)	Dome of Redondo, Cerro	
Filo dello Zolfo (Italy)	Vent of Stromboli	0101-04=
Fimerich (Germany)	Cone of West Eifel Volc Field	0100-01-
Finca Liebres, Volcan (Costa Rica)	Stratovolcano of Turrialba	1405-07=
Finch, Mt. (Aleutian Is)	Stratovolcano of Fisher	1101-35-
Finini (Ethiopia)	Stratovolcano (None) Pleistocene	
Finley Butte (US-Oregon)	Cone of Newberry	1202-11-
Fire Island (Aleutian Is)	Dome of Bogoslof	1101-30-
Firepit Knoll (US-Utah)	Cinder cone of Kolob	
Firestone Butte (US-Oregon)	Cone of Newberry	1202-11-
Firgas, Montana de (Canary Is)	Cone of Gran Canaria	1803-04-
First (Kamchatka)	Dome of Uzon	1000-17=
First Crater (Antarctica)	Crater of Hut Point Peninsula	
First Red Hill (Indian O.-S)	Cinder cone of Marion Island	0304-07-
Firura, Nevados (Perú)	Stratovolcanoes (None) Pleistocene	
Fischbach (Germany)	Cone of West Eifel Volc Field	0100-01-
Fischer, Mt. (Australia)	Cone of Atherton Volc Province	
Fisher (Aleutian Is)	Stratovolcano (6, 1830) Historical	**1101-35-**
Fissure Butte (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Fissure Cone (Pacific-NE)	Lava cone of Axial Seamount	1301-021
Fissure Crater (New Britain-SW Pac)	Crater of Langila	0502-01=
Fiteko (Africa-E)	Cone of Kieyo	0202-17=
Fito (Samoa-SW Pacific)	Cinder cone of Upolu	0404-03-
Fiucha (Chile-C)	Stratovolcano of Antillanca Group	1507-153
Fiumicello (Italy)	Tuff ring of Campi Flegrei	0101-01=
Fjallgardar Ridge (Iceland-NE)	Fissure vents (None) Pleistocene	
Fjarborg (Iceland-NE)	Fissure vent of Krafla	1703-08=
Fjarholadydyngja (Iceland-NE)	Shield volcano of Askja	1703-06=
Flagdahraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Flamingo Lake (Africa-E)	Crater of Central Island	0202-01=
Flat Top (US-Oregon)	Tuff ring of Fort Rock Volc Field	

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Flatadyngja (Iceland-NE)	Shield volcano of Askja	1703-06=
Flatiron (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Fleallin (Kamchatka)	Synonym of Ichinsky	1000-28=
Fleri (Italy)	Cinder cone of Etna	0101-06=
Fljotahraun (Iceland-S)	Fissure vent of Katla	1702-03=
Fljotsoddahraun (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Flor, Cerro de la (Nicaragua)	Dome of Lajas, Las	1404-133
Floreana (Galápagos)	Shield volcano (None) Pleistocene	
Florencia (Colombia)	Crater of Galeras	1501-08=
Flores (Azores)	Stratovolcanoes (2, -950) Radiocarbon	**1802-001**
Flores (Guatemala)	Volcanic field (None) Holocene	**1402-14-**
Flores, Cerro las (Nicaragua)	Cinder cone of Negro, Cerro	1404-07=
Flores, Cerro las (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Flores, Las (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Flores, Los (Mexico)	Volcanic field (None) Quaternary	
Flotudyngjuhraun (Iceland-NE)	Shield volcano of Askja	1703-06=
Flourmill (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Foerstner (Italy)	Submarine vent of Pantelleria	0101-071
Fogalepulu (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Fogapoa (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Fogo (Azores)	Synonym of Agua de Pau	1802-09=
Fogo (Cape Verde Is)	Stratovolcano (11, 1995) Historical	**1804-01=**
Fogo, Cabeco do (Azores)	Cone of Fayal	1802-01=
Fogo, Lagoa do (Azores)	Pleistocene caldera of Agua de Pau	1802-09=
Fogrufjoll (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Fonck (Chile-S)	Cinder cone of Tronador	1508-011
Fond Doux (W Indies)	Cone of Qualibou	1600-14=
Fondi di Baia (Italy)	Tuff ring of Campi Flegrei	0101-01=
Fondo Ferraro (Italy)	Dome of Ischia	0101-03=
Fondo Riccio (Italy)	Cone of Campi Flegrei	0101-01=
Fontaipe, Cratere (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Fontan (Armenia)	Dome of Ghegam Ridge	0104-07-
Fontpobra, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Fontur (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Fonua Fo'ou (Tonga-SW Pacific)	Synonym of Falcon Island	0403-05=
Fonuafoou (Tonga-SW Pacific)	Synonym of Metis Shoal	0403-07=
Fonualei (Tonga-SW Pacific)	Stratovolcano (6, 1957) Historical	**0403-10=**
Forecast Seamount (Mariana Is)	Submarine volcano (None) Fumarolic	**0804-22-**
Forest Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Forgia Vecchia (Italy)	Vent of Lipari	0101-042
Forgia Vecchia (Italy)	Crater of Vulcano	0101-05=
Forgotten Cone (US-Oregon)	Cinder cone of Crater Lake	1202-16-
Forgotten Crater [Williams Crater] (US)	Crater of Crater Lake	1202-16-
Forked Butte (US-Oregon)	Cinder cone of Jefferson	1202-02-
Formica Leo (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Forneau (Indian O.-S)	Cone of Amsterdam Island	0304-001
Fort Butte (US-Oregon)	Cinder cone of Olallie Butte	
Fort De Kock (Sumatra)	Synonym of Marapi	0601-14=
Fort Portal (Africa-C)	Tuff cones (2, -2120) Radiocarbon	**0203-001**
Fort Rock (US-Oregon)	Tuff ring of Fort Rock Volc Field	
Fort Rock Volc Field (US-Oregon)	Maars (None) Pleistocene	
Fort Selkirk (Canada)	Volcanic field (None) Holocene?	**1200-01-**
Fortuna, Cerro (Guatemala)	Cinder cone of Guistepeque Volc Field	
Fortuna, Cerro (Costa Rica)	Dome of Rincon de la Vieja	1405-02=
Fosdick Mountains (Antarctica)	Scoria cones (None) Post-Miocene	
Fossa (Italy)	Crater of Stromboli	0101-04=
Fossa Carbonara (Italy)	Dome of Pantelleria	0101-071
Fossa del Russo (Italy)	Dome of Pantelleria	0101-071
Fossa delle Felci (Italy)	Stratovolcano of Salina	
Fossa Grande (Italy)	Thermal feature of Vulcano	0101-05=
Fossa Lupara (Italy)	Crater of Campi Flegrei	0101-01=
Fossa Pagani (Italy)	Cinder cone of Etna	0101-06=
Fossa, Caldera della (Italy)	Caldera of Vulcano	0101-05=
Fossa, La (Italy)	Tuff cone of Vulcano	0101-05=
Fossamonaca (Italy)	Vent of Vesuvius	0101-02=
Fossetta (Italy)	Crater of Stromboli	0101-04=
Foster Crater (Antarctica)	Cone of Royal Society Range	1900-021
Foumbot Volc Field (Africa-W)	Synonym of Oku Volc Field	0204-03-
Foundland (W Indies)	Stratovolcano (None) Pleistocene	
Fountain Vent (Pacific-NE)	Thermal feature of Cleft Segment	1301-03-
Fouque (Greece)	Dome of Santorini	0102-04=
Four Craters Lava Field (US-Oregon)	Volcanic field (None) Holocene?	**1202-14-**
Four Peaks, Island of the (Alaska Peninsula)	Synonym of Fourpeaked	1102-26-
Fourche, Piton de (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Four-in-One Cone (US-Oregon)	Cinder cone of North Sister Field	1202-07-
Fourmile Hill (US-California)	Cone of Medicine Lake	1203-02-
Fournaise, Piton de la (Indian O.-W)	Shield volcano (177, 2010) Historical	**0303-02=**
Fourpeaked (Alaska Peninsula)	Stratovolcano (1, 2006) Historical	**1102-26-**
Fourth Top (Kamchatka)	Dome of Shiveluch	1000-27=
Fous, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Fox Hill (Alaska-W)	Cinder cone of St. Paul Island	1104-01-
Fox, Mt. (Australia)	Pyroclastic cone (None) Pleistocene	
Fragatas, Lagunas (Mexico)	Maar of Isabel, Isla	1401-023
Fraile, Montaña (Canary Is)	Cone of Tenerife	1803-03-
Fraile, Pico del (Mexico)	Dome of Toluca, Nevado de	1401-07-
Fraile, Volcan el (Mexico)	Stratovolcano of Popocatepetl	1401-09=
Frailes, Cerro los (Hispaniola)	Cone of Dos Hermanos	
Frailes, Los [Cerro Nocarne] (Perú)	Dome of Chachani, Nevado	1504-007
Frailes, Montaña de los (Canary Is)	Cinder cone of Hierro	1803-02-
Fraisse, Puy de (France)	Cone of Chaine des Puys	0100-02-
Frakes, Mount (Antarctica)	Shield volcano of Crary Group	
Franklin Island (Antarctica)	Shield volcano (None) Quaternary	
Franklin, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Frascati (Italy)	Crater of Alban Hills	0101-004
Frawley, Cerro (Nicaragua)	Cinder cone of Nejapa-Miraflores	1404-092
Fray Carlos, Cerro (Chile-C)	Stratovolcano of Tinguiririca	1507-03=
Frazer, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Freaner Peak (US-California)	Shield volcano of Magee Peak	.....
Fred Hudson Crater (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Fred's Hill (Indian O.-S)	Cone of Marion Island	0304-07-
Freeman Peak (Antarctica)	Synonym of Young Island	1900-011
Fremrinamur (Iceland-NE)	Stratovolcano (4, -1200) Tephrochron	**1703-07=**
Frenchmen's Solfatara (Vanuatu-SW Pacific)	Thermal feature of Suretamatai	0507-01=
Fresno, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Frosty (Alaska Peninsula)	Stratovolcanoes (None) Holocene	**1102-01-**
Frumento della Concazze, Monte (Italy)	Cinder cone of Etna	0101-06=
Frumento Supino, Monte (Italy)	Cinder cone of Etna	0101-06=
Frumento, Monte (Italy)	Cinder cone of Etna	0101-06=
Frutilla, Cerro (Chile-C)	Cone of Antillanca Group	1507-153
Fualua (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Fubo-san (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Fuchich (Africa-E)	Synonym of Central Island	0202-01=
Fudeshima (Izu Is-Japan)	Stratovolcano of Oshima	0804-01=
Fudo-ike (Kyushu-Japan)	Crater of Kirishima	0802-09=
Fuego (Guatemala)	Stratovolcano (61, 2010) Historical	**1402-09=**
Fuego de Colima (Mexico)	Synonym of Colima	1401-04=
Fuego de Timanfaya, Montañas del	Crater of Lanzarote	1803-06-
Fuego, Montanas del (Canary Is)	Cone of Lanzarote	1803-06-
Fuego, Volcán de (Mexico)	Synonym of Colima	1401-04=
Fueguino (Chile-S)	Lava domes (1, 1820) Historical	**1508-09-**
Fueguino, Volcán (Chile-S)	Synonym of Fueguino	1508-09-
Fuencaliente, Caldera de [Corazoncillo]	Crater of Lanzarote	1803-06-
Fuencalielne [San Antonio] (Canary Is)	Cinder cone of La Palma	1803-01-
Fuerteventura (Canary Is)	Fissure vents (None) Holocene	**1803-05-**
Fue-san (Kuril Is)	Synonym of Sarychev Peak	0900-24=
Fugen-dake (Kyushu-Japan)	Stratovolcano of Unzen	0802-10=
Fugendake-sancho (Kyushu-Japan)	Dome of Unzen	0802-10=
Fui, Volcanes de (Chile-C)	Cinder cone of Mocho-Choshuenco	1507-13=
Fui'avea (Samoa-SW Pacific)	Lava cone of Savai'i	0404-04=
Fuji (Honshu-Japan)	Stratovolcano (58, 1708) Historical	**0803-03=**
Fuji Mountain (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Fujiga-dake (Honshu-Japan)	Synonym of Fuji	0803-03=
Fujimikubo (Honshu-Japan)	Tuff ring of Izu-Tobu	0803-01=
Fuji-san (Honshu-Japan)	Synonym of Fuji	0803-03=
Fuji-san (Honshu-Japan)	Dome of Takahara	0803-143
Fukeno-yu (Honshu-Japan)	Thermal feature of Hachimantai	0803-25=
Fukiage-Onsen (Honshu-Japan)	Thermal feature of Onikobe	.....
Fukue-jima (Kyushu-Japan)	Shield volcanoes (1, -400) Tephrochron	**0802-091**
Fukujin (Volcano Is-Japan)	Submarine volcano (3, 1974) Historical	**0804-133**
Fukujin-kaizan (Volcano Is-Japan)	Synonym of Fukujin	0804-133
Fukujin-Nakanoba (Volcano Is-Japan)	Synonym of Minami Kasuga	0804-135
Fukujin-okanoba (Volcano Is-Japan)	Synonym of Fukujin	0804-133
Fukukazeana-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Fukutoku-Okanoba (Volcano Is-Japan)	Submarine volcano (8, 2005) Historical	**0804-13=**
Fumarole Butte (US-Utah)	Shield volcano (None) Pleistocene	.....
Fumarole Valley (US-California)	Thermal feature of Long Valley	.....
Fumarole, Fumarolle see proper name (e.g. Gambouli, Fumarole Field of)		
Fumaroles, Las (Costa Rica)	Thermal feature of Irazu	1405-06=
Fumarolles, Mont des (Indian O.-S)	Thermal feature of Kerguelen Islands	0304-02=
Funabara (Honshu-Japan)	Cinder cone of Izu-Tobu	0803-01=
Funagata (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Funda da Caldeira (Azores)	Cone of Fayal	1802-01=
Funda de Lajes, Caldeira (Azores)	Tuff ring of Flores	1802-001
Funda, Lagoa (Azores)	Stratovolcano of Flores	1802-001
Fundera (Italy)	Crater of Ischia	0101-03=
Funka-Asane (Volcano Is-Japan)	Crater of Kita-Iwo-jima	0804-11=
Fuppushi (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Fuppushi-dake (Hokkaido-Japan)	Stratovolcano of Shikotsu	0805-04=
Furebetsu (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Furihata-yama (Kyushu-Japan)	Dome of Sakura-jima	0802-08=
Furna (Azores)	Cone of Picos Volc System	1802-081
Furnas (Azores)	Stratovolcano (9, 1630) Historical	**1802-10=**
Furo-sen (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Furumio (Izu Is-Japan)	Maar of Miyake-jima	0804-04=
Furu-take (Ryukyu Is)	Stratovolcano of Kuchinoerabu-jima	0802-05=
Fuss Peak (Kuril Is)	Stratovolcano (1, 1854) Historical	**0900-34=**
Futago (Kyushu-Japan)	Lava domes (None) Pleistocene	.....
Futagoishi (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Futagomine (Honshu-Japan)	Cone of Kita Yatsuga-take	0803-031
Futago-san (Kyushu-Japan)	Dome of Futago	.....
Futago-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Futago-yama (Honshu-Japan)	Dome of Hakone	0803-02=
Futago-yama (Honshu-Japan)	Dome of Kusatsu-Shirane	0803-12=
Futago-yama (Izu Is-Japan)	Cone of Oshima	0804-01=
Futamata (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Futamata (Hokkaido-Japan)	Cone of Tomuraushi Volc Group	.....
Futamata-yama (Honshu-Japan)	Stratovolcano of Nasu	0803-15=
Futatsu-dake (Hokkaido-Japan)	Pyroclastic cone of Akan	0805-07=
Futatsu-dake (Honshu-Japan)	Dome of Haruna	0803-122
Futatsu-ishi (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Futatsu-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Futatsuzuka (Honshu-Japan)	Cone of Fuji	0803-03=
Futiga (Samoa-SW Pacific)	Cone of Tutuila	0404-02-
Fuya Fuya (Ecuador)	Stratovolcano of Mojanda	1502-005
Fuyoga-mine (Honshu-Japan)	Synonym of Fuji	0803-03=
Fuzztail Butte (US-Oregon)	Cone of Newberry	1202-11-
Fyriplaka (Greece)	Tuff ring of Milos	0102-03=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
G		
Gabellotto-Fiume Bianco (Italy)	Stratovolcano of Lipari	0101-042
Gabia, Cerro la (Guatemala)	Synonym of Pueblo Nuevo Viñas	.....
Gabii [Castiglione] (Italy)	Crater of Alban Hills	0101-004
Gabillema (Ethiopia)	Stratovolcano (None) Holocene	**0201-15=**
Gablaytu (Ethiopia)	Shield volcano of Manda Hararo	0201-115
Gabriel, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
Gabrielse Cone (Canada)	Cinder cone of Tuya Volc Field	1200-031
Gabuli (Ethiopia)	Synonym of Dalaffilla	0201-07=
Gachupin, El (Mexico)	Cone of Southern Guadalajara	.....
Gacong (China-E)	Synonym of Jiacong	.....
Gad Elu (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Gada Ale (Ethiopia)	Stratovolcano (None) Holocene	**0201-05=**
Gadamsa Caldera (Ethiopia)	Synonym of Gedamsa	0201-23-
Gadang, Bukit (Sumatra)	Stratovolcano (None) Post-Miocene	.....
Gadang, Gunung (Sumatra)	Synonym of Kerinci	0601-17=
Gademota Caldera (Ethiopia)	Caldera (None) Pleistocene	.....
Gadir, Cuddia del (Italy)	Shield volcano of Pantelleria	0101-071
Gadjah [Gajah] (Java)	Crater of Guntur	0603-13=
Gadjahmoengkoer [Gajamunkur] (Java)	Dome of Kelut	0603-28=
Gadut-Bungsu (Sumatra)	Unknown (None) Quaternary	.....
Gaesafjallarani (Iceland-NE)	Fissure vent of Krafla	1703-08=
Gaesafjoll (Iceland-NE)	Tuya (None) Pleistocene	.....
Gafanhoto (Azores)	Cone of Furnas	1802-10=
Gafuranindi (Africa-C)	Cone of Nyamuragira	0203-02=
Gaga Spa (Honshu-Japan)	Thermal feature of Zao	0803-19=
Gagak, Gunung (Java)	Stratovolcano of Perbakti-Gagak	0603-04=
Gage Hill (Canada)	Tuya of Wells Gray-Clearwater	1200-15-
Gages Lower Soufriere (W Indies)	Thermal feature of Soufriere Hills	1600-05=
Gage's Mountain (W Indies)	Dome of Soufriere Hills	1600-05=
Gages Upper Soufriere (W Indies)	Thermal feature of Soufriere Hills	1600-05=
Gagua (Luzon-Philippines)	Synonym of Cagua	0703-09=
Gagxanul (Guatemala)	Synonym of Santa Maria	1402-03=
Gahi (SW Pacific)	Tuff cone of Wallis Islands	0404-05-
Gahinga (Africa-C)	Cone of Muhavura	0203-06-
Gaia [Tavurvur] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Gairia, Caldera de (Canary Is)	Cinder cone of Fuerteventura	1803-05-
Gaital, Cerro (Panama)	Dome of Valle, El	1406-03-
Gajah (Java)	Crater of Guntur	0603-13=
Gajah (Sumatra)	Cone of Sarik-Gajah	0601-131
Gaja-jima (Ryukyu Is)	Stratovolcano (None) Pleistocene	.....
Gajamungkur (Java)	Dome of Kelut	0603-28=
Gajolesten (Sumatra)	Synonym of Kembar	.....
Gakararanga (Africa-C)	Cone of Nyamuragira	0203-02=
Gakurokuji (Kyushu-Japan)	Dome of Kuju	0802-12=
Galan, Cerro (Argentina)	Caldera (None) Pleistocene	.....
Galan, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Galan, Monte (Nicaragua)	Caldera of Momotombo	1404-09=
Galapago, Cerro [Las Majadas] (Guatemala)	Stratovolcano of Santa Maria	1402-03=
Galápagos Rift (Pacific-E)	Submarine volcano (2, 1996) Historical	**1304-07-**

Lee Siebert (Smithsonian)

Glacier Peak, the most isolated of the Cascade Range volcanoes, rises to 3213 m above the forested slopes of the Suiattle River valley. Glacier Peak resembles Mount St. Helens in its production of frequent powerful explosive eruptions with associated pyroclastic flows and lahars that traveled long distances from the volcano.

Galatea (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Galera (Bolivia)	Cone (None) Post-Miocene	.....
Galera, La (Colombia)	Synonym of Galeras	1501-08=
Galeras (Colombia)	Complex volcano (34, 2010) Historical	**1501-08=**
Galion (W Indies)	Thermal feature of Plat Pays, Morne	1600-11=
Gallego (Solomon Is-SW Pacific)	Volcanic field (None) Holocene?	**0505-062**
Gallo (Italy)	Vent of Pantelleria	0101-071
Gallo Cantano (Ecuador)	Dome of Atacazo	1502-021
Gallo, Cerro (Costa Rica)	Dome of Rincon de la Vieja	1405-02=
Gallo, Cerro el (Mexico)	Dome of Azufres, Los	.....
Gallo, Cerro el (Guatemala)	Cinder cone of Güistepeque Volc Field	.....
Gallo, Cuddia del (Italy)	Dome of Pantelleria	0101-071
Gallop (Africa-E)	Synonym of Central Island	0202-01=
Galloseulo (New Britain-SW Pac)	Stratovolcano of Hargy	0502-10=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Galloway, Mt. (Pacific-S)	Cone of Antipodes Island	1305-01-
Galoenggoeng (Java)	Synonym of Galunggung	0603-14=
Galunggung (Java)	Stratovolcano (6, 1984) Historical	**0603-14=**
Galway's Mountain (W Indies)	Dome of Soufrière Hills	1600-05=
Galway's Soufriere (W Indies)	Thermal feature of Soufriere Hills	1600-05=
Gam Itji, Lake (Halmahera-Indonesia)	Maar of Ibu	0608-03=
Gamalama (Halmahera-Indonesia)	Stratovolcanoes (61, 2003) Historical	**0608-06=**
Gambia, Volcán la (Guatemala)	Synonym of Pueblo Nuevo Viñas	.....
Gambier, Mt. (Australia)	Maar of Newer Volcanics Prov	0509-01-
Gambouli, Fumarole Field of (Djibouti)	Synonym of Boina	.....
Gamchen (Kamchatka)	Complex volcano (2, -550) Tephrochron	**1000-21=**
Gamchensky (Kamchatka)	Synonym of Gamchen	1000-21=
Gamkanora (Halmahera-Indonesia)	Synonym of Gamkonora	0608-04=
Gamkonora (Halmahera-Indonesia)	Stratovolcano (13, 2007) Historical	**0608-04=**
Gamkunora (Halmahera-Indonesia)	Synonym of Gamkonora	0608-04=
Gamma (Russia-NE)	Cinder cone of Aluchin Group	.....
Gamma Hot Springs (US-Washington)	Thermal feature of Glacier Peak	1201-02-
Gammacanore (Halmahera-Indonesia)	Synonym of Gamkonora	0608-04=
Gammakunowa (Halmahera-Indonesia)	Synonym of Gamkonora	0608-04=
Gamping (Java)	Crater of Lawu	0603-26=
Gamtschen (Kamchatka)	Synonym of Gamchen	1000-21=
Gan-ana (Honshu-Japan)	Vent of Fuji	0803-03=
Gananias, Montaña (Canary Is)	Cone of Tenerife	1803-03-
Ganaya (Africa-C)	Cone of Nyiragongo	0203-03=
Gandapura (Java)	Stratovolcano of Kamojang, Kawah	.....
Gando (Honshu-Japan)	Synonym of Ganto-Kamuro	.....
Gando-san (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Ganju-san (Ganzyu-san) (Honshu-Japan)	Synonym of Iwate	0803-24=
Gan-Kui (China-E)	Cone of Gankui Group	.....
Gankui Group (China-E)	Volcanic field (None) Quaternary	.....
Gankyoji (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Ganto-Kamuro (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Gaojianshi (SE Asia)	Unknown (None) Quaternary	.....
Gaolule (Ethiopia)	Synonym of Dalaffilla	0201-07=
Gaoshan (China-E)	Cinder cone of Arshan	1005-011
Gaoshanling (SE Asia)	Pyroclastic cone of Hainan Dao	0705-001
Gaozhi (SE Asia)	Cone of Tengchong	0705-11-
Garachico, Volcan de (Canary Is)	Cinder cone of Tenerife	1803-03-
Garafia (Canary Is)	Shield volcano of La Palma	1803-01-
Garan-dake (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Garang, Bukit (Sumatra)	Synonym of Garanggarag, Bukit	.....
Garanggarag, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Garat, Mt. (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Garbes (Djibouti)	Fumarole field (None) Pleist -Fumarolic	.....
Garbuna Group (New Britain-SW Pac)	Stratovolcanoes (4, 2008) Historical	**0502-07=**
Garca, Puig de la (Spain)	Cone of Olot Volc Field	0100-03-
Garda, Montaña (Canary Is)	Cone of Tenerife	1803-03-
Gardners Island (Tonga-SW Pacific)	Synonym of Fonualei	0403-10=
Gareloi (Aleutian Is)	Stratovolcano (12, 1989) Historical	**1101-07-**
Garet Chalfalla (Africa-N)	Cone of Haruj	0205-007
Garet El Graabia (Africa-N)	Cone of Haruj	0205-007
Garet, Mt. [Mt. Garat] (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Garian Volc Field (Africa-N)	Synonym of Gharyan Volc Field	.....
Garibaldi (Canada)	Stratovolcano (1, -8060) Radiocarbon	**1200-20-**
Garibaldi Hill (W Indies)	Stratovolcano of Soufriere Hills	1600-05=
Garibaldi Lake (Canada)	Volcanic field (None) Holocene	**1200-19-**
Gariboldi (Ethiopia)	Synonym of Kone	0201-20-
Gariboldi caldera (Ethiopia)	Caldera of Kone	0201-20-
Garnot Island (New Guinea-NE of)	Synonym of Blup Blup	0501-001
Garok Spring (Mindanao-Philippines)	Thermal feature of Apo	0701-03=
Garou, Morne (W Indies)	Synonym of Soufrière St. Vincent	1600-15=
Garove (New Britain-SW Pac)	Stratovolcano (None) Holocene	**0502-03=**
Garrinada, Volcà la (Spain)	Cone of Olot Volc Field	0100-03-
Garrotxa Volc Field (Spain)	Synonym of Olot Volc Field	0100-03-
Garu, Morne (W Indies)	Stratovolcano (None) Pleistocene	.....
Garu, Morne (W Indies)	Synonym of Soufrière St. Vincent	1600-15=
Garua Harbour (New Britain-SW Pac)	Volcanic field (None) Holocene?	**0502-06=**
Gar-uli (Ethiopia)	Synonym of Ma Alalta	0201-111
Gas Rocks, The (Alaska Peninsula)	Dome of Ukinrek Maars	1102-131
Gasenyi (Africa-C)	Cone of Nyamuragira	0203-02=
Gashovu (Africa-C)	Cone of Nyamuragira	0203-02=
Gaspar (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Gaspar, Pico Do (Azores)	Dome of Furnas	1802-10=
Gassan (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Gate Mountains (Luzon-Philippines)	Unknown (None) Pleistocene	.....
Gaua (Vanuatu-SW Pacific)	Stratovolcano (15, 2010) Historical	**0507-02=**
Gaudal, Volcan (Chile-C)	Stratovolcano of San Pedro-Pellado	1507-062
Gauro (Italy)	Tuff cone of Campi Flegrei	0101-01=
Gauss, Mt. (Antarctica)	Synonym of Gaussberg	.....
Gaussberg (Antarctica)	Cone (None) Pleistocene	.....
Gavilantepeque, Cerro (Honduras)	Shield volcano (None) Quaternary	.....
Gavrilova (Kamchatka)	Stratovolcano of Vysoky	1000-221
Gayolesten (Sumatra)	Synonym of Kembar	.....
Gebala, (Ethiopia)	Synonym of Katahelu	.....
Gebel (Italian: of Arabic word for Mt.) see proper name (e.g. Teer, Gebel)		
Geboeg, Gunung [Gunung Gebug] (Java)	Cone of Arjuno-Welirang	0603-29=
Gebug, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Gedamsa (Ethiopia)	Caldera (None) Holocene	**0201-23-**
Gede (Java)	Stratovolcano (22, 1957) Historical	**0603-06=**
Gede (Java)	Unknown (None) Quaternary	.....
Gedeh (Java)	Synonym of Gede	0603-06=
Gedemsa Caldera (Ethiopia)	Synonym of Gedamsa	0201-23-
Gedroits, Mount (Kuril Is)	Dome of Smirnov	0900-021
Gegamsk Upland (Armenia)	Synonym of Ghegam Ridge	0104-07-
Geger Halang (Java)	Pleistocene caldera of Cereme	0603-17=
Geirfugladrangur (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Geirfuglasker (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Geisers, Geysers see proper name (e.g. Copacoya, Geisers de)		
Geitlandshraun (Iceland-SW)	Fissure vent of Prestahnukur	1701-07=
Geizernaya (Kamchatka)	Dome of Uzon	1000-17=
Gelai (Africa-E)	Shield volcano (None) Pleistocene	.....
Gelaman, Gunung (Java)	Cone of Ijen	0603-35=
Gelfiser, Monte (Italy)	Cone of Pantelleria	0101-071
Geli Mutu (Geli Moetoe) (Lesser Sunda Is)	Synonym of Kelimutu	0604-14=
Gelimoen [Gelimun] (Lesser Sunda Is)	Crater of Lerobóleng	0604-20=
Gelimun (Lesser Sunda Is)	Crater of Lerobóleng	0604-20=
Gelkhamar, Monte (Italy)	Cone of Pantelleria	0101-071
Gellibrand, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Gelso (Italy)	Thermal feature of Vulcano	0101-05=
Gembong, Gunung (Java)	Maar of Muria	0603-251
Gembudo (Honshu-Japan)	Shield volcano of Kannabe	.....
Gemelkeret (Vanuatu-SW Pacific)	Crater of Suretamatai	0507-01=
Gemellaro, Monte (Italy)	Cinder cone of Etna	0101-06=
Gemelos, Cerro de los (Galapagos)	Cone of Floreana	.....
Gemelos-Saladillo (Argentina)	Scoria cones (None) Pleistocene	.....
Gemolong (Java)	Crater of Lawu	0603-26=
Gemündener (Germany)	Maar of West Eifel Volc Field	0100-01-
Gemurah Badas (Sumatra)	Thermal feature of Besar	0601-25=
Gemurah Bubur (Sumatra)	Thermal feature of Besar	0601-25=
Gemurah Ilahan (Sumatra)	Thermal feature of Besar	0601-25=
Gemurah Keniningan (Sumatra)	Thermal feature of Besar	0601-25=
Genbodo [Gembudo] (Honshu-Japan)	Shield volcano of Kannabe	.....
Genbudo [Gembudo] (Honshu-Japan)	Shield volcano of Kannabe	.....
Gendal, Kawah (Java)	Thermal feature of Merapi	0603-25=
Gendingwaluh, Gunung (Java)	Cone of Ijen	0603-35=
Gendol, Kawah (Java)	Thermal feature of Merbabu	0603-24=
Gengi, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Geng-zi-ping (Taiwan)	Thermal feature of Tatun Group	0801-032
Geni, Gunung (Java)	Cone of Lamongan	0603-32=
Genovesa (Galapagos)	Shield volcano (None) Holocene	**1503-081**
Genpuku-yama (Hokkaido-Japan)	Cone of Akaigawa	.....
Genta-ana (Hokkaido-Japan)	Crater of Usu	0805-03=
Genteng, Gunung (Java)	Cone of Ijen	0603-35=
Genuk (Java)	Dome of Muria	0603-251
Geodesistoy (Kamchatka)	Shield volcano (None) Holocene?	**1000-38-**
Georgios (Greece)	Dome of Santorini	0102-04=
Geraldino (Galápagos)	Synonym of Pinta	1503-07=
Gerente, Le (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
German Hill (New Zealand)	Cone of Pouakai	.....
Germav Tepe (Turkey)	Dome of Nemrut Dagi	0103-02=
Gerokgak Hot Spring (Lesser Sunda Is)	Thermal feature of Bratan	0604-001
Geronimo (US-Arizona)	Volcanic field (None) Pleistocene	.....
Gertrude Creek (Alaska Peninsula)	Scoria cone (None) Pleistocene	.....
Gervasi, Monte (Italy)	Cinder cone of Etna	0101-06=
Gesi (Java)	Crater of Lawu	0603-26=
Geststadavatn (Iceland-SW)	Maar of Krisuvik	1701-03=
Getang (Africa-E)	Crater of Korosi	0202-054
Getlandshraun [Geitlandshraun] (Iceland-SW)	Fissure vent of Prestahnukur	1701-07=
Geulis (Java)	Crater of Guntur	0603-13=
Geureudong (Sumatra)	Stratovolcano (None) Pleist -Fumarolic	.....
Geureugoh (Sumatra)	Fissure vents (None) Pleistocene	.....
Geyser Bight (Aleutian Is)	Thermal feature of Recheschnoi	1101-28-
Geyser Valley (New Zealand)	Thermal feature of Maroa	0401-061
Geysernaya (Kamchatka)	Pleistocene caldera of Uzon	1000-17=
Geysers, The (US-California)	Thermal feature of Clear Lake	1203-10-
Geysers, Valley of (Kamchatka)	Thermal feature of Uzon	1000-17=
Geysir (Iceland-SW)	Stratovolc. (None) Pleistocene-Geysers	.....
Geysir (Iceland-SW)	Thermal feature of Hveravellir	1701-08=
Geyzernaya [Geysernaya] (Kamchatka)	Pleistocene caldera of Uzon	1000-17=
Ghaie [Tavurvur] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Gharat, Mt. [Mt. Garat] (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Gharyan Volc Field (Africa-N)	Stratovolcanoes (None) Pleistocene	.....
Ghegam Ridge (Armenia)	Volcanic field (1, -1900) Anthropology	**0104-07-**
Gheghassar (Armenia)	Dome of Ghegam Ridge	0104-07-
Ghentolug (Vanuatu-SW Pacific)	Stratovolcano of Suretamatai	0507-01=
Gheraki (Greece)	Tuff ring of Milos	0102-03=
Ghost (SW Pacific)	Crater of Wallis Islands	0404-05-
Giano (Ethiopia)	Dome of Tullu Moje	0201-25-
Giant Crater (US-California)	Crater of Medicine Lake	1203-02-
Gianti (Java)	Stratovolcano of Sumbing	0603-22=
Giardina, Monte (Italy)	Dome of Lipari	0101-042
Gibbon Hill (US-Wyoming)	Dome of Yellowstone	1205-01-
Gibele, Monte (Italy)	Thermal feature of Pantelleria	0101-071
Gibille, Monti (Italy)	Dome of Pantelleria	0101-071
Gibrus (New Zealand)	Crater of White Island	0401-04=
Gifford Peak (US-Washington)	Shield volcano of Indian Heaven	1201-07-
Gigante, Cerro (Guatemala)	Cinder cone of Moyuta	1402-13-
Giggenbach (Kermadec Is)	Submarine volcano (None) Fumarolic	**0402-022**
Gigir at Storkonugja (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Gigoldugjoska (Iceland-NE)	Crater Row of Askja	1703-06=
Giguan (Aleutian Is)	Synonym of Seguam	1101-18-
Gil (Galapagos)	Synonym of Santiago	1503-09=
Gilbert Dome (US-California)	Dome of Long Valley	.....
Gilbert, Mt. (Aleutian Is)	Stratovolcano (None) Pleistocene	.....
Gilboa Hill (W Indies)	Cone of Northern Centres	.....
Gilboa Hill (W Indies)	Stratovolcano of Quill, The	1600-02=
Gilibanta (Lesser Sunda Is)	Stratovolcano? (None) Quaternary	.....
Gillett Nunataks (Antarctica)	Cone of Toney Mountain	1900-026

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Hadji, Kawah [Kawah Haji] (Java)	Crater of Karang	0603-02=
Hagafell (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Hagafell (Iceland-SW)	Shield volcano of Krisuvik	1701-03=
Hagavikurhraun (Iceland-SW)	Fissure vent of Hengill	1701-05=
Hagen, Mt. (New Guinea)	Stratovolcanoes (None) Pleistocene	.....
Hagley (W Indies)	Dome of Plat Pays, Morne	1600-11=
Hagong (Iceland-NE)	Dome of Krafla	1703-08=
Hagonguhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Hagongur (Iceland-NE)	Stratovolcano of Tungnafellsjokull	1703-04=
Hagoromo-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Hague (Alaska Peninsula)	Stratovolcano of Emmons Lake	1102-02-
Haid al-Isi [Jabal el-Esi] (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Haid el-'Arqub (Arabia-S)	Cone of Sawad, Harra es-	0301-16-
Haid El-esi [Jabal el-Esi] (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Haight Mountain (US-California)	Synonym of Rainbow Mountain	.....
Haimon-dake [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=

Oddur Sigurdsson (Icelandic National Energy Authority)

The elongated profile of snow-covered **Hekla**, one of Iceland's most prominent and active volcanoes, results from repeated eruptions along an ENE-WSW-trending rift. Lava flows from Hekla's historical eruptions, which date back to 1104 AD, cover much of the volcano's flanks.

Hain (Iceland-S)	Tuff ring of Vestmannaeyjar	1702-01=
Hainan Dao (SE Asia)	Pyroclastic cones (2, 1933) Historical	**0705-001**
Hainini (New Zealand)	Dome of Okataina	0401-05=
Hainoa Crater (Hawaiian Is)	Crater of Hualalai	1302-04-
Haique (Chile-C)	Cone of Antillanca Group	1507-153
Haiwahine, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Haji, Kawah (Java)	Crater of Karang	0603-02=
Hajnacka (Slovakia)	Vent of Filakovo-Salgotarjan	.....
Hakka (Honshu-Japan)	Stratovolcano of Towada	0803-271
Hakken-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Hakkoda Group (Honshu-Japan)	Stratovolcanoes (7, 1550) Radiocarbon	**0803-28=**
Hakkoda-odake (Honshu-Japan)	Stratovolcano of Hakkoda Group	0803-28=
Hakodate-yama (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Hakone (Honshu-Japan)	Complex volcano (7, 1170) Radiocarbon	**0803-02=**
Hakudairyo (Honshu-Japan)	Cone of Fuji	0803-03=
Hakuen (Hakuen-zan) (Kuril Is)	Synonym of Karpinsky Group	0900-35=
Haku-san (Honshu-Japan)	Stratovolcano (20, 1659) Historical	**0803-05=**
Hakuto (China-E)	Synonym of Changbaishan	1005-06-
Hakuun-dake (Hokkaido-Japan)	Dome of Daisetsu	0805-06=
Hakuun-zan (Hokkaido-Japan)	Dome of Shikaribetsu Group	0805-062
Hala- (Arabic for Volcanic Cone) see proper name (e.g. 'Asi, Hala- 1-)		
Halalii (Hawaiian Is)	Cone of Haleakala	1302-06-
Halap (Hungary)	Cone of Balaton Highland	.....
Haleakala (Hawaiian Is)	Shield volcano (40, 1750) Anthropology	**1302-06-**
Haleakala (Hawaiian Is)	Synonym of Kauai	.....
Halekamahina (Hawaiian Is)	Cone of Kilauea	1302-01-
Halemaumau (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Halepa (Greece)	Dome of Milos	0102-03=
Haleyjabunga (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Half Cone (Alaska Peninsula)	Cone of Aniakchak	1102-09-
Half Cone (US-Idaho)	Cone of Craters of the Moon	1204-02-
Half Cone (Indian O.)	Tuff cone of Prince Edward Island	0304-06-
Half Moon Crater (Antarctica)	Crater of Hut Point Peninsula	.....
Halimun (Java)	Stratovolcano (None) Pleistocene	.....
Halimun (Java)	Stratovolcano (None) Pleistocene	.....
Hall Butte (US-California)	Cinder cone of Tumble Buttes	1203-06-
Halla (Korea)	Shield volcano (4, 1007) Historical	**1006-04-**
Hallett Peninsula (Antarctica)	Shield volcanoes (None) Post-Miocene	.....
Hallmundarhraun (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Halsagigir (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Ha-Lun-Erh-shan (China-E)	Thermal feature of Baerqian	.....
Halvdan (Spitsbergen)	Explosion crater (None) Pleistocene	.....
Halvdanpiggen (Spitsbergen)	Synonym of Halvdan	.....
Halyagos (Hungary)	Cone of Balaton Highland	.....
Halyki (Greece)	Thermal feature of Milos	0102-03=
Hamarinn (Iceland-NE)	Stratovolcano of Bardarbunga	1703-03=
Hamateng (China-E)	Cinder cone of Jingbo	1005-04-
Hambariana (Armenia)	Cone of Ghegam Ridge	0104-07-
Hamiding (Halmahera-Indonesia)	Unknown (None) Quaternary	.....

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Hamilton, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Hamma al-hamdani [Jabal el-Esi] (Arabia-S)	Stratovolcano of Dhamar, Harras of	0301-12-
Hammam Damt (Arabia-S)	Synonym of Hamman Demt, Jabal	0301-13-
Hammam el-Zebib (Arabia-S)	Thermal feature of Dhamar, Harras of	0301-12-
Hamman Alessi, Djebel [Jabal el-Esi] (Arabia)	Stratovolcano of Dhamar, Harras of	0301-12-
Hamman Demt, Jabal (Arabia-S)	(None) Not a Volcano	0301-13-
Hammat Es-Sa'tar (Arabia-S)	Cone of Dhamar, Harras of	0301-12-
Hamner Butte (US-Oregon)	Shield volcano of Davis Lake	1202-10-
Hamragardarhraun (Iceland-S)	Fissure vent of Eyjafjallajokull	1702-02=
Hamudi, Jabal al (Arabia-S)	Stratovolcano of Arhab, Harra of	0301-09-
Hamugoma (Africa-C)	Tuff cone of Fort Portal	0203-001
Hana Ridge (Hawaiian Is)	Fissure vent of Haleakala	1302-06-
Hanahanapuni (Hawaiian Is)	Cone of Kauai	.....
Hanamagari (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Hanang (Africa-E)	Stratovolcano (None) Quaternary	.....
Hanare-yama (Honshu-Japan)	Dome of Asama	0803-11=
Hanatate (Izu Is-Japan)	Dome of Kozu-shima	0804-03=
Hanauma Bay (Hawaiian Is)	Tuff cone of Koolau	.....
Hando-iwa (Kyushu-Japan)	Vent of Unzen	0802-10=
Hane-yama (Kyushu-Japan)	Shield volcano (None) Pleistocene	.....
Hanga o Tea (Chile-Is)	Crater of Easter Island	1506-011
Hangar (Kamchatka)	Synonym of Khangar	1000-272
Hangayn Volc Field (Mongolia)	Synonym of Taryatu-Chulutu	1003-01-
Hangelberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Hangetsu-ko (Hokkaido-Japan)	Tuff cone of Yotei	0805-032
Hanging Rock (Australia)	Dome of Newer Volcanics Prov	0509-01-
Hangura [Khangura] (Russia-SE)	Cone of Udokan Plateau	1002-03-
Hani-Hani (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Hanish (Red Sea)	Shield volcano (None) Holocene	**0201-022**
Hanjale, Gof (Africa-E)	Maar of Marsabit	0202-021
Hankow Reef (New Guinea-NE of)	Synonym of Yomba	0501-041
Hannah, Mt (US-California)	Dome of Clear Lake	1203-10-
Hannington (Africa-E)	Synonym of Bogoria	.....
Hans Meyer Crater [Muntango] (Africa-C)	Pit crater of Karisimbi	0203-04-
Hansa Island (New Guinea-NE of)	Synonym of Manam	0501-02=
Hantsongoma (Indian O.-W)	Crater of Karthala	0303-01=
Hanui (Hanuy) Gol (Mongolia)	Synonym of Khanuy Gol	1003-02-
Hao, Maunga [Maunga Vao] (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Haofa (SW Pacific)	Tuff cone of Wallis Islands	0404-05-
Haolduhraun (Iceland-SW)	Fissure vent of Hofsjokull	1701-09=
Haolduhraun (Iceland-S)	Fissure vent of Torfajokull	1702-05=
Haotiansi (China-E)	Cone of Datong-Fengzen	.....
Haparangi (New Zealand)	Dome of Kapenga	.....
Hapberg [Kapberg] (New Britain-SW Pac)	Stratovolcano of Lolo	0502-071
Harai (Honshu-Japan)	Cinder cone of Izu-Tobu	0803-01=
Harai (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Harakandi (Africa-C)	Cone of Nyamuragira	0203-02=
Haranggaol (Sumatra)	Caldera of Toba	0601-09=
Hararo Manda (Ethiopia)	Synonym of Manda Hararo	0201-115
Hararu (Ethiopia)	Synonym of Manda Hararo	0201-115
Harasztos (Hungary)	Cone of Balaton Highland	.....
Harcourt, Mount (Antarctica)	Stratovolcano of Hallett Peninsula	.....
Hardin Butte (US-California)	Cone of Medicine Lake	1203-02-
Hardt-Maar (Germany)	Maar of West Eifel Volc Field	0100-01-
Hargy (New Britain-SW Pac)	Stratovolcano (2, 950) Radiocarbon	**0502-10=**
Ha-r-Hin-Tun (China-E)	Synonym of Baerqian	.....
Harimkotan (Kuril Is)	Synonym of Kharimkotan	0900-30=
Harkness, Mount (US-California)	Stratovolcano of Dittmar	.....
Haro Maja (Ethiopia)	Tuff ring of Bishoftu Volc Field	0201-22-
Haro Maja (Ethiopia)	Maar of Butajira-Silti Field	0201-26-
Haroharo (New Zealand)	Fissure vent of Okataina	0401-05=
Harosu (Izu Is-Japan)	Synonym of Bayonnaise Rocks	0804-07=
Haroto Bay (New Zealand)	Cone of Karioi	.....
Harotsiatsianopori (Kuril Is)	Synonym of Rasshua	0900-22=
Haroudj, Djebel (Africa-N)	Synonym of Haruj	0205-007
Harra, Harras, Harrat, Harret (Arabic for Lava Field) see proper name (e.g. Birk, Harrat al)		
Harrah, Al (Arabia-W)	Volcanic field (None) Holocene	**0301-001**
Harruj, Jabal um (Arabia)	Tuff ring of Hutaymah, Harrat	.....
Harry's Spa Hot Springs (US-Washington)	Thermal feature of St. Helens	1201-05-
Haruj (Africa-N)	Volcanic field (None) Holocene	**0205-007**
Haruki (Honshu-Japan)	Cinder cone of Ogino-Sen	.....
Haruman (Java)	Dome of Kaledong-Haruman	.....
Harumukotan (Kuril Is)	Synonym of Kharimkotan	0900-30=
Haruna (Honshu-Japan)	Stratovolcano (3, 550) Anthropology	**0803-122**
Haruna-Fuji (Honshu-Japan)	Cone of Haruna	0803-122
Haruta-yama (Kyushu-Japan)	Dome of Sakura-jima	0802-08=
Harvey's Knob (Australia)	Cone of Bundaberg-Boyne Province	.....
Hasan Dagi (Turkey)	Cone of Erciyes Dagi	0103-01=
Hasan Dagi (Turkey)	Stratovolcano (Uncertain) Holocene	**0103-002**
Haszard, Mt (Kermadec Is)	Cone of Macauley Island	0402-021
Hat Creek (US-California)	Fissure vent of Potato Butte	.....
Hat Mountain (US-California)	Cone of Lassen Volc Center	1203-08-
Hatachi-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Hatchobaru (Kyushu-Japan)	Thermal feature of Kuju	0802-12=
Hatchodaira (Izu Is-Japan)	Caldera of Miyake-jima	0804-04=
Hatenji (Africa-E)	Cone of Ngozi	0202-164
Hatimaki-yama [Hachimaki-yama] (Japan)	Dome of Unzen	0802-10=
Hatimantai (Honshu-Japan)	Synonym of Hachimantai	0803-25=
Hati-yama [Hachi-yama] (Honshu-Japan)	Cinder cone of Shiga	0803-121
Hatizyo-Huzi (Izu Is-Japan)	Synonym of Hachijo-jima	0804-05=
Hatizyo-zima Nisi-yama (Izu Is-Japan)	Synonym of Hachijo-jima	0804-05=
Hattab, Jabal [Kaulet Hattab] (Arabia-S)	Tuff cone of Arhab, Harra of	0301-09-
Hattur (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Ha'u Epa, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Hillview (Australia)	Cone of Atherton Volc Province	.....
Himaicagan [Kasiboi] (Philippines-C)	Cone of Mahagnao	0702-07=
Himalaya, Cerro (El Salvador)	Dome of Apaneca Range	1403-01=
Hime-shima Volc Group (Japan)	Lava domes (None) Pleistocene	.....
Himo (Africa-E)	Cone of Kilimanjaro	0202-15=
Hinamori-dake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Hinemoa Point (New Zealand)	Dome of Rotorua	.....
Hinkelsmaar (Germany)	Maar of West Eifel Volc Field	0100-01-
Hinokizuka (Honshu-Japan)	Cone of Fuji	0803-03=
Hino-take (Kyushu-Japan)	Cone of Fukue-jima	0802-091
Hinoyama-toge (Izu Is-Japan)	Fissure vent of Miyake-jima	0804-04=
Hipaua (New Zealand)	Thermal feature of Taupo	0401-07=
Hippersbach (Germany)	Tuff ring of West Eifel Volc Field	0100-01-
Hippo Butte (US-California)	Cone of Medicine Lake	1203-02-
Hirabe-yama (Izu Is-Japan)	Crater of Miyake-jima	0804-04=
Hiragakura-yama (Honshu-Japan)	Cone of Nyuto-Takakura	.....
Hirakiki-dake [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Hirase (Kyushu-Japan)	Cone of Sakura-jima	0802-08=
Hiratsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Hira-yama (Hokkaido-Japan)	Stratovolcano of Tengu-Hirayama	.....
Hiri (Halmahera-Indonesia)	Stratovolcano (None) Holocene	**0608-052**
Hiro (Lesser Sunda Is)	Synonym of Iliwerung	0604-25=
Hiroyiyama-Oyunuma-Urajigoku (Japan)	Fissure vent of Kuttara	0805-034
Hirup, Kawah (Java)	Thermal feature of Salak	0603-05=
Hiruzen (Honshu-Japan)	Cone of Daisen	.....
Hisagogata (Hokkaido-Japan)	Crater of Komaga-take	0805-02=
Histum Yani (US-California)	Synonym of Sutter Buttes	.....
Hitim (Sumatra)	Stratovolcano of Kaba	0601-22=
Hitokappu Volcano Group (Kuril Is)	Synonym of Bogatyr Ridge	0900-06-
Hitokappu-yama (Kuril Is)	Stratovolcano of Bogatyr Ridge	0900-06-
Hiuchi (Honshu-Japan)	Stratovolcano (2, 1544) Historical	**0803-131**
Hiuchiga-take (Honshu-Japan)	Synonym of Hiuchi	0803-131
Hiukau, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Hiva Hiva, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Hiva Hoa (Pacific-C)	Synonym of Hiva Oa	.....
Hiva Oa (Pacific-C)	Shield volcano (None) Pleistocene	.....
Hiwaish Abu Siba (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Hiyang (Java)	Synonym of Iyang-Argapura	0603-33=
Hiyori-yama (Hokkaido-Japan)	Dome of Kuttara	0805-034
Hiyoshi-okinoba (Volcano Is-Japan)	Synonym of Minami-Hiyoshi	0804-131
Hiyosi-okinoba (Volcano Is-Japan)	Synonym of Minami-Hiyoshi	0804-131
Hizengajo (Kyushu-Japan)	Dome of Kuju	0802-12=
Hiziori (Honshu-Japan)	Synonym of Hijiori	0803-191
Hlascar (Chile-N)	Synonym of Lascar	1505-10=
Hlidarfjall (Iceland-NE)	Dome of Krafla	1703-08=
Hlidargigar (Iceland-S)	Fissure vent of Hekla	1702-07=
Hlidarhraun (Iceland-SW)	Shield volcano of Brennisteinsfjoll	1701-04=
Hlidarsel [Dalfjall] (Iceland-NE)	Fissure vent of Krafla	1703-08=
Hlodufell (Iceland-SW)	Tuya (None) Pleistocene	.....
Hnappafellsjokull (Iceland-SE)	Synonym of Oraefajokull	1704-01=

Lee Siebert (Smithsonian)

Sharp-topped Mount **Hood**, Oregon's highest peak, rises above Lost Lake and is a prominent landmark on both sides of the Columbia River. At least four major eruptive periods have occurred during the past 15,000 years, the last of which was only about 170-220 years ago.

Hnausagigarod (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Hnausapollur (Iceland-NE)	Crater of Bardarbunga	1703-03=
Hoashen (Kamchatka)	Synonym of Ichinsky	1000-28=
Hobicha Caldera (Ethiopia)	Caldera (None) Holocene?	**0201-293**
Hobley Volcano (Africa-E)	Synonym of Olkaria	0202-09=
Hobson, Mt (New Zealand)	Cone of Auckland Field	0401-02=
Hochan [Pechan] (China-W)	Cone of Tianshan Volc Group	1004-02-
Hochsetter (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Hodaka Graben (Honshu-Japan)	Synonym of Hodaka-dake	.....
Hodaka-dake (Honshu-Japan)	Caldera (None) Pleistocene	.....
Hodder's Volcano (W Indies)	(None) Not a Volcano	1600-13=
Hodgson Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Hodo (Korea)	Dome of Halla	1006-04-
Hodson (Antarctica)	Stratovolcano (Uncertain) Holocene	**1900-11=**
Hoedberg (Indian O.)	Cone of Prince Edward Island	0304-06-
Hoefdhajokull (Iceland-S)	Synonym of Katla	1702-03=
Hoei Craters (Honshu-Japan)	Crater of Fuji	0803-03=
Hoeloebeloe (Sumatra)	Synonym of Hulubelu	0601-28=
Hofdahraun (Iceland-S)	Fissure vent of Eyjafjallajokull	1702-02=
Hofdarhraun (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Hofenfels (Germany)	Maar of West Eifel Volc Field	0100-01-
Hoffman, Mt (US-California)	Dome of Medicine Lake	1203-02-
Hofsfjall (Iceland-SE)	Cone of Oraefajokull	1704-01=
Hofsjokull (Iceland-SW)	Subglacial volcano (None) Holocene	**1701-09=**
Hog Killer (Philippines-C)	Thermal feature of Kanlaon	0702-02=
Hogback Mountain (US-Washington)	Shield volcano of Goat Rocks	.....
Hogg Rock (US-Oregon)	Cone of Three Fingered Jack	.....
Hogum Range (Canada)	Volcanic field (None) Pleistocene	.....
Hohen List (Germany)	Maar of West Eifel Volc Field	0100-01-
Hohenlohce (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Hohi (Kyushu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Hohnel Island (Africa-E)	Synonym of South Island	0202-02=
Hohonu, Lua (Hawaiian Is)	Pit crater of Mauna Loa	1302-02=
Hokibara-Higashi (Honshu-Japan)	Maar of Izu-Tobu	0803-01=
Hokkaido-Komagatake (Hokkaido-Japan)	Synonym of Komaga-take	0805-02=
Hokuchin-dake (Hokkaido-Japan)	Dome of Daisetsu	0805-06=
Hokusatsu (Kyushu-Japan)	Pyroclastic cone (None) Pleistocene	.....
Hokutin-dake [Hokuchin-dake] (Japan)	Dome of Daisetsu	0805-06=
Holaholar (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Holandesa, Volcán la (Chile-C)	Cinder cone of Lonquimay	1507-10=
Holandesa, Volcán la (Chile-C)	Cone of Tolguaca	1507-093
Holantindur (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Hole-in-the-Ground (US-Oregon)	Maar of Fort Rock Volc Field	.....
Holin [Kopan] (Slovakia)	Cone of Filakovo-Salgotarjan	.....
Hollowback, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Holm (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Holmshraun (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Holotepec, Volcan (Mexico)	Cinder cone of Chichinautzin	1401-08=
Holseldar (Iceland-NE)	Crater Row of Krafla	1703-08=
Holte Creek (Canada)	Cinder cone of Satah Mountain	1200-13-
Holuhraun (Iceland-NE)	Crater Row of Askja	1703-06=
Holzmaar (Germany)	Maar of West Eifel Volc Field	0100-01-
Homa Mountain (Africa-E)	Complex volcano (None) Holocene	**0202-07=**
Homahan, Mt (Luzon-Philippines)	Cone of Bulusan	0703-01=
Hombre Muerto, Montaña del (Canary Is)	Cinder cone of Hierro	1803-02-
Home Reef (Tonga-SW Pacific)	Submarine volcano (3, 2006) Historical	**0403-08=**
Home Valley Knoll (US-Utah)	Cinder cone of Kolob	.....
Hondo, Calderon (Canary Is)	Cinder cone of Fuerteventura	1803-05-
Hondura (Costa Rica)	Stratovolcano of Barva	1405-05=
Honggeertu (China-E)	Cinder cones (None) Holocene?	**1005-01-**
Honokahua (Hawaiian Is)	Cone of Haleakala	1302-06-
Honor, Mt (Halmahera-Indonesia)	Cone of Todoko-Ranu	0608-05=
Hontanigawa-Shiryu (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Hontsuka (Kyushu-Japan)	Cone of Aso	0802-11=
Hood (Galapagos)	Synonym of Española	.....
Hood (US-Oregon)	Stratovolcano (8, 1866) Historical	**1202-01-**
Hoodoo Butte (US-Oregon)	Tuya of Washington	.....
Hoodoo Mountain (Canada)	Subglacial volcano (1, ~7050) Tephrochron	**1200-08-**
Hookomo, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Hooper Crags (Antarctica)	Cone of Royal Society Range	1900-021
Hoopers Shoulder (Antarctica)	Cone of Erebus	1900-02=
Hopua (New Zealand)	Tuff ring of Auckland Field	0401-02=
Hora Arsedi Hayk (Ethiopia)	Tuff ring of Bishoftu Volc Field	0201-22-
Horace Mesa (US-New Mexico)	Cone of Taylor Volc Field	.....
Horaro Hayk (Ethiopia)	Tuff ring of Bishoftu Volc Field	0201-22-
Horcones, Cerro de (Guatemala)	Cone of Suchitán	1402-16-
Hormigón, El (Nicaragua)	Cinder cone of Nejapa-Miraflores	1404-092
Hornillas, Las (Costa Rica)	Thermal feature of Miravalles	1405-03=
Hornitos, Los (Chile-C)	Cone of Azul, Cerro	1507-06=
Hornitos, Los (Canary Is)	Fissure vent of Tenerife	1803-03-
Hornopirén (Chile-S)	Stratovolcano (Uncertain) Holocene	**1508-023**
Horog [Khorog] (Mongolia)	Cinder cone of Taryatu-Chulutu	1003-01-
Horohoro (New Zealand)	Dome of Kapenga	.....
Horohoro-Tokushumbetsu (Japan)	Stratovolcanoes (None) Pleistocene	.....
Horohoro-yama (Hokkaido-Japan)	Stratovolc Horohoro-Tokushumbetsu	.....
Horoka (Hokkaido-Japan)	Thermal feature Nipesotsu-Maruyama	0805-061
Horomatangi Reef (New Zealand)	Vent of Taupo	0401-07=
Horonai-gawa (Hokkaido-Japan)	Pleist caldera Okushiri-Katsuma-yama	.....
Horossadal [Hrossadalur] (Iceland-NE)	Crater Row of Krafla	1703-08=
Horqueta, Cerro (Perú)	Cone of Chachani, Nevado	1504-007
Horqueta, La (Colombia)	Pyrocl cone of San Augustin-Isnos	.....
Horse Butte (US-Oregon)	Cone of Newberry	1202-11-
Horseshoe Cone (US-Oregon)	Cinder cone of Jefferson	1202-02-
Horseshoe Crater (US-New Mexico)	Cone of Raton-Clayton	.....
Horseshoe Island (Alaska Peninsula)	Dome of Katmai	1102-17-
Hosh Ed Dalan (Africa-N)	Crater of Bayuda Volc Field	0205-06-
Hosh Es Siddig (Africa-N)	Crater of Bayuda Volc Field	0205-06-
Hosh Umm Araysh, Jebel (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Hosho-zan (Kyushu-Japan)	Dome of Kuju	0802-12=
Hosyo-zan [Hosho-zan] (Kyushu-Japan)	Dome of Kuju	0802-12=
Hot Creek (US-California)	Thermal feature of Long Valley	.....
Hot Lagoon (Solomon Is-SW Pacific)	Thermal feature of Simbo	0505-05=
Hot Springs Bay (Aleutian Is)	Thermal feature of Akutan	1101-32-
Hot Springs Cone (Aleutian Is)	Thermal feature of Okmok	1101-29-
Hot Springs Cove (Aleutian Is)	Thermal feature of Recheschnoi	1101-28-
Hotaka (Honshu-Japan)	Synonym of Hodaka-dake	.....
Hotaka (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Hotcheou (China-W)	Synonym of Turfan	1004-01-
Hotham [Giulia-Ferdinandea] (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Hutapanjang (Sumatra)	Stratovolcano (None) Holocene	**0601-172**
Hutaym, Harrat (Arabia-W)	Synonym of Ithnayn, Harrat	0301-05=
Hutaymah, Harrat (Arabia)	Volcanic field (None) Quaternary	.....
Hutchinson Hill (Alaska-W)	Shield volcano of St. Paul Island	1104-01-
Hutchison (Kermadec Is)	Stratovolcano of Raoul Island	0402-03=
Hutt Peak (Antarctica)	Shield volcano of Bursey, Mt.	.....
Huzi (Honshu-Japan)	Synonym of Fuji	0803-03=
Hvannadalshnjúkur (Iceland-SE)	Dome of Oraefajokull	1704-01=
Hvannstod (Iceland-NE)	Crater Row of Krafla	1703-08=
Hveradalahraun (Iceland-SW)	Crater Row of Hengill	1701-05=
Hveradalur (Iceland-NE)	Thermal feature of Kverkfjoll	1703-05=
Hveragerdi (Iceland-S)	Thermal feature of Grensdalur	.....
Hveragil (Iceland-NE)	Crater of Krafla	1703-08=
Hveravellir (Iceland-SW)	Subglacial volcano (6, 950) Radiocarbon	**1701-08=**
Hverfjall (Iceland-NE)	Tuff ring of Krafla	1703-08=
Hweiain (Kamchatka)	Synonym of Ichinsky	1000-28=
Hwniindi K'elt'aeni (Alaska-E)	Synonym of Sanford	1105-01-
Hyalo Ridge (Canada)	Tuya of Wells Gray-Clearwater	1200-15-
Hydewell, Mt (Australia)	Shield volcano Newer Volcanics Prov	0509-01-
Hydrographers Range (New Guinea)	Stratovolcano (None) Holocene	**0503-011**
Hyogowan (Izu Is-Japan)	Crater of Tori-shima	0804-09=
Hyotan-yama (Izu Is-Japan)	Cone of Miyake-jima	0804-04=
Hypipamee (Australia)	Vent of Atherton Volc Province	.....
Hyuuga-dake (Kyushu-Japan)	Dome of Tsurumi	0802-13=

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I Monticelli (Italy)	Vent of Vesuvius	0101-02=
Ia Bang Mount [La Bang Mount] (SE Asia)	Crater of Pleiku-Bantour Volc Field	.....
Iahu (Iahue, Iahul) (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Ialibu, Mt. (New Guinea)	Stratovolcano (None) Pleistocene	.....
Iamalele (D'Entrecasteaux Is)	Lava domes (None) Holocene	**0503-05=**
Iamelele (D'Entrecasteaux Is)	Synonym of Iamalele	0503-05=
Iasur (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Iavinskiy (Kamchatka)	Synonym of Yavinsky	1000-021
Ibayl, Jabal (Arabia-W)	Dome of Khaybar, Harrat	0301-06=
Ibex Mountain Cone (Canada)	Cone of Alligator Lake	1200-02-
Ibi [Galloseulo] (New Britain-SW Pac)	Stratovolcano of Hargy	0502-10=
Iblean Volc Complex (Italy)	Synonym of Iblei	.....
Iblei (Italy)	Shield volcano? (None) Pleistocene	.....
Iboe (Halmahera-Indonesia)	Synonym of Ibu	0608-03=
Ibu (Halmahera-Indonesia)	Stratovolcano (5, 2010) Historical	**0608-03=**
Ibul, Bukit (Sumatra)	Synonym of Telor, Bukit	.....
Ibungu Hills (Africa-E)	Cone of Kieyo	0202-17=
Ibusuki Volc Field (Kyushu-Japan)	Calderas (23, 885) Historical	**0802-07=**
Ice Peak (Canada)	Stratovolcano of Edziza	1200-06-
Ice Spring (US-Utah)	Crater of Black Rock Desert	1207-05-
Icefall (Canada)	Cone of Edziza	1200-06-
Icha (Kamchatka)	Synonym of Ichinsky	1000-28=

Lee Siebert (Smithsonian)

Wilson Butte, the northermost lava dome of the **Inyo Craters** in California, is seen from the Obsidian Flow lava dome. The Inyo Craters are a 12-km-long chain of silicic lava domes, lava flows, and explosion craters along the eastern margin of Sierra Nevada near the town of Mammoth. The latest eruptions at Inyo Craters took place about 600 years ago.

Ichino-ike (Honshu-Japan)	Crater of Norikura	0803-06=
Ichino-ike (Honshu-Japan)	Crater of On-take	0803-04=
Ichinomegata (Honshu-Japan)	Maar of Megata	0803-262
Ichino-take (Kyushu-Japan)	Dome of Kinpo	.....
Ichinsky (Kamchatka)	Stratovolcano (14, 1740) Historical	**1000-28=**
Ida (Honshu-Japan)	Stratovolcano of Daruma	.....
Ida Ridge (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Idak, Mount (Aleutian Is)	Cone of Okmok	1101-29-
Idamdehe (Halmahera-Indonesia)	Caldera of Jailolo	0608-051
Idjen, Kawah (Java)	Synonym of Ijen	0603-35=
Ido-dake (Honshu-Japan)	Cone of Hakkoda Group	0803-28=
Idolo, Cerro el (Mexico)	Cone of Zitácuaro-Valle de Bravo	1401-061
Idolos, Los (Colombia)	Pyroclastic cone San Augustin-Isnos	.....
Idup, Kawah (Java)	Thermal feature of Salak	0603-05=
Idwa, Jebel (Africa-N)	Cone of Marra, Jebel	0205-03-
Ie Joe (Sumatra)	Thermal feature of Seulawah Agam	0601-02=
Iegata-yama (Honshu-Japan)	Cone of Azuma	0803-18=
Iettunup (Kamchatka)	Shield volcanoes (None) Holocene?	**1000-71-**
Ifagao (Luzon-Philippines)	Thermal feature of Pocdol Mountains	0703-02=
Ifwoka (Africa-E)	Cone of Ngozi	0202-164
Igatono-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Igaya (Izu Is-Japan)	Fissure vent of Miyake-jima	0804-04=
Igek (Alaska Peninsula)	Synonym of Veniaminof	1102-07-
Igir Binem [Binem] (Java)	Cone of Dieng Volc Complex	0603-20=
Igla Mountain (Kuril Is)	Stratovolcano of Goriaschaia Sopka	0900-17=
Iglesia, La (Mexico)	Dome of Mispia	.....
Iglesias (Costa Rica)	Shield volcano of Coco, Isla del	.....
Ignaignaru, Mt (Vanuatu-SW Pacific)	Cone of Paama Island	.....
Igolki (Kamchatka)	Shield volcanoes (None) Pleistocene	.....
Igorevsky Volcano (Kamchatka)	Synonym of Dzenzursky	1000-11=
Igorewskiy (Kamchatka)	Synonym of Dzenzursky	1000-11=
Igualata (Ecuador)	Stratovolcano (None) Pleistocene	.....
Iguan (Ecuador)	Stratovolcano (None) Pleistocene	.....
Iguana, Loma (El Salvador)	Cinder cone of San Diego	1403-001
Iguanero, Cerro (Guatemala)	Cinder cone of Ixtepeque	1402-18-
Igwisi Hills (Africa-E)	Tuff cones (None) Holocene	**0202-161**
Ih-Chia-shan (China-E)	Synonym of Yijiashan	.....
Ihumatao [Maungataketake] (New Zealand)	Cone of Auckland Field	0401-02=
Iiji (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Iilewa (Hawaiian Is)	Cone of Kilauea	1302-01-
Iimori-yama (Kyushu-Japan)	Dome of Imuta	.....
Iimori-yama (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Iiusu (Kuril Is)	Synonym of Baransky	0900-08=
Iizi (Honshu-Japan)	Synonym of Iiji	.....
Iizuna (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Ija (Lesser Sunda Is)	Synonym of Iya	0604-11=
Ijang-Argapura (Java)	Synonym of Iyang-Argapura	0603-33=
Ijen (Java)	Stratovolcanoes (9, 1999) Historical	**0603-35=**
Ijen, Kawah (Java)	Synonym of Ijen	0603-35=
Ikanmikot (Kuril Is)	Stratovolcano (None) Pleistocene	.....
Ikapo (Africa-E)	Maar of Kieyo	0202-17=
Ikarma (Kuril Is)	Synonym of Ekarma	0900-27=
Ikathiwik Crater (Alaska-W)	Cone of Nunivak Island	1104-02-
Ika-Togo-Ula (Mongolia)	Pyroclastic cones (None) Quaternary	.....
Ikeda-Higashi (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Ikeda-ko (Kyushu-Japan)	Caldera of Ibusuki Volc Field	0802-07=
Ikenohara (Honshu-Japan)	Synonym of Nanzaki	.....
Ikenokubo (Kyushu-Japan)	Tuff ring of Aso	0802-11=
Ikenosawa (Izu Is-Japan)	Caldera of Aoga-shima	0804-06=
Ikezoko (Kyushu-Japan)	Maar of Ibusuki Volc Field	0802-07=
Ikh Togo Uul (Mongolia)	Cinder cone of Khanuy Gol	1003-02-
Ikha-Togo-Ula [Ikh Togo Uul] (Mongolia)	Cinder cone of Khanuy Gol	1003-02-
Iki Volc Group (Kyushu-Japan)	Pyroclastic cones (None) Pleistocene	.....
Ikincilgol Tepe (Turkey)	Cone of Nemrut Dagi	0103-02=
Iktunup (Kamchatka)	Shield volcanoes (None) Holocene?	**1000-67-**
Ilaemaen (Ilaemanschen) (Alaska-SW)	Synonym of Iliamna	1103-02-
Ilalo (Ecuador)	Stratovolcano (None) Pleistocene	.....
Ilamatepec (El Salvador)	Synonym of Santa Ana	1403-02=
Ilchulbong (Korea)	Tuff cone of Halla	1006-04-
Ildborg [Eldborg] (Iceland-W)	Cone of Ljosufjoll	1700-03=
Ile (French for Island) see proper name (e.g. Cendres, Ile des)		
Ilheu Dos Mosteiros (Azores)	Cone of Sete Cidades	1802-08=
Iliamna (Alaska-SW)	Stratovolcano (7, 1876) Historical	**1103-02-**
Iliberapun (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Iliboleng (Lesser Sunda Is)	Stratovolcano (20, 1993) Historical	**0604-22=**
Ilibotong (Lesser Sunda Is)	Dome of Ilimuda	0604-17=
Iliburak (Lesser Sunda Is)	Synonym of Leroboleng	0604-20=
Iligripe (Lesser Sunda Is)	Dome of Iliwerung	0604-25=
Iliinskaia, Sopka (Kamchatka)	Synonym of Ilyinsky	1000-03=
Iliinskaya (Iliinsky) (Kamchatka)	Synonym of Ilyinsky	1000-03=
Ilikedang (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Ilikedeka (Lesser Sunda Is)	Stratovolcano (None) Pleist-Fumarolic	.....
Illabalekan (Lesser Sunda Is)	Stratovolcano (None) Fumarolic	**0604-24=**
Illamarap (Illamararap) (Lesser Sunda Is)	Synonym of Illabalekan	0604-24=
Illawuung (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Illewoto (Illewotolo) (Lesser Sunda Is)	Synonym of Lewotolo	0604-23=
Ilimangga (Lesser Sunda Is)	Cone of Illawuung	.....
Ilinggar (Lesser Sunda Is)	Stratovolcano (None) Post-Miocene	.....
Ilimoeda (Lesser Sunda Is)	Synonym of Ilimuda	0604-17=
Ilimonjet (Lesser Sunda Is)	Dome of Iliwerung	0604-25=
Ilimuda (Lesser Sunda Is)	Stratovolcano (None) Fumarolic	**0604-17=**
Ilina (Kamchatka)	Synonym of Ilyinsky	1000-03=
Iliniza (Ecuador)	Synonym of Illiniza	1502-041
Iliniza (Ecuador)	Synonym of Illiniza	1502-041
Ilinsky (Kamchatka)	Synonym of Ilyinsky	1000-03=
Ilipasengdaeng (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Ilipenutun (Lesser Sunda Is)	Dome of Iliwerung	0604-25=
Ilipetrus [Iligripe] (Lesser Sunda Is)	Dome of Iliwerung	0604-25=
Ilipoegora (Lesser Sunda Is)	Synonym of Iliwerung	0604-25=
Illseburi (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Ilitebulele (Lesser Sunda Is)	Cone of Illabalekan	0604-24=
Illwaitami (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Iliweroeng (Lesser Sunda Is)	Synonym of Iliwerung	0604-25=
Iliwerung (Lesser Sunda Is)	Complex volcano (12, 1999) Historical	**0604-25=**
Iliwokar (Lesser Sunda Is)	Cone of Lewotobi	0604-18=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Jigoku (Kyushu-Japan)	Thermal feature of Aso	0802-11=
Jigoku (Honshu-Japan)	Crater of On-take	0803-04=
Jigoku (Honshu-Japan)	Thermal feature of Osore-yama	0803-29=
Jigoku Spa (Kyushu-Japan)	Vent of Aso	0802-11=
Jigoku Yama [Trezubetz] (Kuril Is)	Somma volcano of Kolokol Group	0900-12=
Jigoku-ato (Kyushu-Japan)	Crater of Unzen	0802-10=
Jigoku-dani (Hokkaido-Japan)	Pyroclastic cone of Kuttara	0805-034
Jigoku-dani (Honshu-Japan)	Crater of Tate-yama	0803-08=
Jigoku-no-oana (Honshu-Japan)	Crater of Haku-san	0803-05=
Jigoku-numa (Honshu-Japan)	Crater of Hakkoda Group	0803-28=
Jii-dake (Honshu-Japan)	Shield volcano Washiba-Kumonotaira	0803-071
Jilguero, Cerro el (Mexico)	Dome of Azufres, Los	.....
Jiloa [Xiloa] (Nicaragua)	Caldera of Apoyeque	1404-091
Jim Jim, the (Australia)	Cone of Newer Volcanics Prov	0509-01-
Jimat (Java)	Cone of Dieng Volc Complex	0603-20=
Jimo (China-E)	Unknown (None) Quaternary	.....
Jinaka-yama (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Jinamar, Montana (Canary Is)	Cone of Gran Canaria	1803-04-
Jinetsu Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Jing-bei (Jingbohu, Jingpohu) (China-E)	Synonym of Jingbo	1005-04-
Jingbo (China-E)	Volcanic field (3, -520) Radiocarbon	**1005-04-**
Jinggo, Kepundan (Sumatra)	Crater of Marapi	0601-14=
Jinglongdingzi (China-E)	Pyroclastic cone of Longgang Group	1005-05-
Jingyishan (China-E)	Cone of Kuandian	.....
Jinjinshansi (China-E)	Cone of Datong-Fengzen	.....
Jinshan (China-E)	Cone of Datong-Fengzen	.....
Jirou-Uemontsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Jiskooksnuk Hill (Alaska-W)	Cone of Nunivak Island	1104-02-
Jiyunling (SE Asia)	Cone of Leizhou Bandao	0705-01-
Jizo Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Jizo-dake (Honshu-Japan)	Dome of Akagi	0803-13=
Jizodo Group (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Jizono-yu (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Jizo-san (Honshu-Japan)	Dome of Zao	0803-19=
Iliamna (Alaska-SW)	Synonym of Iliamna	1103-02-
Joao Fernandes, Pico (Azores)	Cone of Agua de Pau	1802-09=
Job, Mt. (Canada)	Cone of Meager	1200-18-
Joboshi (Honshu-Japan)	Cinder cone of Izu-Tobu	0803-01=
Jocotillo, Cerro el (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Jocotitlan (Mexico)	Stratovolcano (2, 1270) Radiocarbon	**1401-062**
Joe's Hill (Atlantic-S)	Cinder cone of Inaccessible Island	.....
Joglo, Mt. (Java)	Dome of Muria	0603-251
Jogo-yama (Izu Is-Japan)	Dome of Kozu-shima	0804-03=
Johann Albrecht Hafen (New Britain-SW Pac)	Caldera of Garove	0502-03=
John, Morne (W Indies)	Dome of Watt, Morne	1600-101
Johnson Glacier (Alaska-SW)	Dome of Iliamna	1103-02-
Jokulstallar (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Jolo (Sulu Is-Philippines)	Pyroclastic cones (1, 1897) Historical	**0700-01=**
Jolo (Sulu Is-Philippines)	Synonym of Jolo	0700-01=
Jolom, Cerro (Guatemala)	Dome of Santo Tomas	.....
Jolotepec, Cerro los (Mexico)	Cinder cone of Gloria, La	1401-097
Jonassen Island (Antarctica)	Cone of Tabarin Peninsula	.....
Jonggring Seloko (Java)	Crater of Semeru	0603-30=
Jorcada (Bolivia)	Stratovolcano (None) Pleistocene	.....
Jorda, Puig (Spain)	Cone of Olot Volc Field	0100-03-
Jordan Craters (US-Oregon)	Volcanic field (1, -1250) Radiocarbon	**1202-19-**
Jorgencal (Jorjencal) (Chile-N)	Synonym of Putana	1505-09=
Jormajan, Mt. (Luzon-Philippines)	Dome of Bulusan	0703-01=
Jornada del Muerto (US-New Mexico)	Shield volcano (None) Pleistocene	.....
Jorobado (Chile-S)	Synonym of Corcovado	1508-05=
Jorullo (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Jorundur (Iceland-NE)	Dome of Krafla	1703-08=
Jose Butte (US-New Mexico)	Cone of Raton-Clayton	.....
Josephine, Mt. (Canada)	Cone of Tuya Volc Field	1200-031
Joshu-Hotaka (Honshu-Japan)	Synonym of Hotaka	.....
Joya de Limon, Cerrito (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Joya de los Contreras, La (Mexico)	Maar of Santo Domingo Volc Field	.....
Joya Honda, La (Mexico)	Maar of Ventura Volc Field	.....
Joya Prieta, La (Mexico)	Maar of Santo Domingo Volc Field	.....
Joya, Cerro la (Mexico)	Cinder cone of Chichinautzin	1401-08=
Joya, Cerro la (Mexico)	Cinder cone of Comondu-La Purisima	1401-012
Joya, La (Mexico)	Cinder cone of Cofre de Perote	1401-096
Joya, La (Colombia)	Crater of Galeras	1501-08=
Joya, La (Nicaragua)	Vent of Granada	1404-101
Joya, La (Nicaragua)	Maar of Pilas, Las	1404-08=
Joya, La (El Salvador)	Cinder cone of San Salvador	1403-05=
Joyuela (Mexico)	Tuff cone of Ventura Volc Field	.....
Jrbashyana (Armenia)	Cone of Ghegam Ridge	0104-07-
Juan Murillo (Costa Rica)	Cinder cone of Platanar	1405-034
Juan Perdomo, Montana de (Canary Is)	Cone of Lanzarote	1803-06-
Juanacanla (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Juanoy (Colombia)	Unknown (None) Post-Miocene	.....
Juban, Mt. (Luzon-Philippines)	Cone of Bulusan	0703-01=
Jubilee [Yubileinoye] (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Jucuapa (El Salvador)	Synonym of Tigre, El	1403-082
Jueockack (Korea)	Cone of Halla	1006-04-
Julan, Montañas de (Canary Is)	Cinder cone of Hierro	1803-02-
Julien, Morne (W Indies)	Cone of Pelee	1600-12=
Jumay Volc Field (Guatemala)	Stratovolcano (None) Quaternary	.....
Jumay, Volcan (Guatemala)	Stratovolcano of Jumay Volc Field	.....
Jumaytepeque (Guatemala)	Stratovolcano (None) Holocene?	**1402-121**
Jumbo Dome (Alaska-W)	Lava dome (None) Pleistocene	.....
Jumento (Mexico)	Cinder cone of Chichinautzin	1401-08=
Jumes, Puy de (France)	Cone of Chaine des Puys	0100-02-
Junacanila, Cerro (Mexico)	Cinder cone Zitacuaro-Valle de Bravo	1401-061
Junga-ike (Honshu-Japan)	Crater of Yake-dake	0803-07=
Junior's Kop (Indian O.-S)	Cinder cone of Marion Island	0304-07-
Junquillo Norte, Cerro el (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Junquillo Sur, Cerro el (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Junquillo, Cerro (El Salvador)	Cinder cone of San Diego	1403-001
Junquillo, Cerro el (Guatemala)	Cinder cone of Redondo, Cerro	.....
Junta, Cerro la (Mexico)	Cinder cone of Comondu-La Purisima	1401-012
Jurang Siunik (Sumatra)	Crater of Sorikmarapi	0601-12=
Jurig, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Juriques, Volcan (Chile-N)	Stratovolcano of Licancabur	1505-092
Jute, Cerro del (Guatemala)	Cinder cone of Moyuta	1402-13-
Jutiapa Group (Guatemala)	Synonym of Santiago, Cerro	1402-15-
Jyobu Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Jyogahana (Ryukyu Is)	Stratovolcano of Kuchinoerabu-jima	0802-05=

Tom Simkin (Smithsonian)

Large areas of hydrothermally altered ground occur at the **Jigoku-dani** ("Valley of Hell") thermal area of Kuttara volcano in Hokkaido, a popular resort area.

K

Ka Moa O Pele (Hawaiian Is)	Cone of Haleakala	1302-06-
Kaaba (Sumatra)	Synonym of Kaba	0601-22=
Kaalkoppie (Indian O.-S)	Tuff cone of Marion Island	0304-07-
Kaba (Sumatra)	Stratovolcano (11, 2000) Historical	**0601-22=**
Kaba (Indonesian for Crater) see proper name (e.g. Baru, Kaba)		
Kabalan (Kamchatka)	Synonym of Kobalan	.....
Kabara (Fiji Is-SW Pacific)	Unknown (None) Pleistocene	.....
Kabargin Oth Group (Georgia)	Cinder cones (None) Holocene	**0104-03-**
Kabarugi (Africa-C)	Crater of Bunyaruguru	0203-004
Kabhegy (Hungary)	Shield volcano of Balaton Highland	.....
Kabinlangan (Luzon-Philippines)	Thermal feature of Cagua	0703-09=
Kabiranjuma (Africa-C)	Crater of Muhavura	0203-06-
Kabiu [Kombiu] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Kabujutan [Kabuyutan] (Java)	Crater of Guntur	0603-13=
Kabun Bungo [Kebun Bungo] (Sumatra)	Crater of Marapi	0601-14=
Kabuto-yama (Honshu-Japan)	Cone of Azuma	0803-18=
Kabuyutan (Java)	Crater of Guntur	0603-13=
Kadiendi Nae (Lesser Sunda Is)	Dome of Tambora	0604-04=
Kadjor [Kajor] (Java)	Fissure vent of Merbabu	0603-24=
Kadogo (Africa-C)	Cone of Nyamuragira	0203-02=
Kadono (Honshu-Japan)	Cinder cone of Izu-Tobu	0803-01=
Kadovar (New Guinea-NE of)	Stratovolcano (Uncertain) Holocene	**0501-002**
Kadowaki-kaikyu (Honshu-Japan)	Submarine vent of Izu-Tobu	0803-01=
Kadyr-Sugskii (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Kadyr-Tayga (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Kaeo (Hawaiian Is)	Cone of Niihau	.....
Ka-er-Daxi [Ashi Shan] (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Kagamil (Aleutian Is)	Stratovolcano (1, 1929) Historical	**1101-26-**
Kagano (Africa-C)	Cone of Nyamuragira	0203-02=
Kagode (Africa-C)	Tuff cone of Fort Portal	0203-001
Kago-yama (Honshu-Japan)	Dome of Adatara	0803-17=
Kagusa Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Kaguyak (Alaska Peninsula)	Lava domes (2, -3850) Holocene	**1102-25-**
Kahala (Hawaiian Is)	Synonym of Kohala	.....
Kahaualea, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Kahe Kahe (Tonga-SW Pacific)	Synonym of Falcon Island	0403-05=
Kahekahe Tangata (Tonga-SW Pacific)	Synonym of Metis Shoal	0403-07=
Kahepuku (New Zealand)	Synonym of Kakepuku	.....
Kaholua O Kahawali (Hawaiian Is)	Cone of Kilauea	1302-01-
Kahongole (Africa-C)	Cone of Nyamuragira	0203-02=
Kahoolawe (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
Kahualoa (Hawaiian Is)	Tuff cone of Koolau	.....
Kahuwai (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Kaia [Tavurvur] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Kaiamu (New Britain-SW Pac)	Maar of Sulu Range	0502-09=
Kaibun [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Kaikata Seamount (Volcano Is-Japan)	Submarine volcano (None) Fumarolic	**0804-097**
Kaikohe (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Khobok Group (Russia-SE)	Cone of Tunkin Depression	1002-05-
Khodukta Springs (Kamchatka)	Thermal feature of Khodutka	1000-053
Khodutka (Kamchatka)	Stratovolcanoes (3, -300) Radiocarbon	**1000-053**
Khodutkinsky (Kamchatka)	Maar of Khodutka	1000-053
Khoiokhongen (Kamchatka)	Synonym of Khodutka	1000-053
Khonarassar (Armenia)	Cone of Porak	0104-09-
Khorog (Mongolia)	Cinder cone of Taryatu-Chulutu	1003-01-
Khubsugal Region (Mongolia)	Volcanic field (None) Quaternary	.....
Khulugayshi (Russia-SE)	Explosion crater (None) Quaternary	.....
Khurai-Tsakir (Russia-SE)	Cinder cone of Dgida Basin	.....
Khurdj El-Aisar (Arabia-S)	Tuff cone of Haylan, Jabal	0301-11-
Khutsi (Honshu-Japan)	Synonym of Fuji	0803-03=
Khutza-Ula (Mongolia)	Unknown (None) Pleistocene?	.....
Khuvkholtun (Kamchatka)	Complex volcano (None) Pleistocene	.....
Kialagvik (Alaska Peninsula)	Stratovolcano (None) Holocene	**1102-12-**
Kiamis, Gunung (Java)	Dome of Kendang	0603-11=
Kiapu (Hawaiian Is)	Cone of Kilauea	1302-01-
Kiaraberes (Java)	Crater of Perbakti-Gagak	0603-04=
Kibati (Africa-C)	Cone of Nyiragongo	0203-03=
Kibikoni (Africa-E)	Dome of Olkaria	0202-09=
Kibithewa (Africa-E)	Pyroclastic cone of Nyambeni Hills	0202-056
Kibo (Africa-E)	Stratovolcano of Kilimanjaro	0202-15=
Kibongoto (Africa-E)	Cone of Kilimanjaro	0202-15=
Kibreale (Ethiopia)	Synonym of Gada Ale	0201-05=
Kichpinitsch (Kamchatka)	Synonym of Kikhpinych	1000-18=
Kichwambe Volc Field (Africa-C)	Synonym of Bunyaruguru	0203-004
Kick 'em Jack (W Indies)	Submarine vent of Kick 'em Jenny	1600-16=
Kick 'em Jenny (W Indies)	Submarine volcano (13, 2001) Historical	**1600-16=**
Kicker Rock (Galapagos)	Tuff cone of San Cristobal	1503-12-
Kie Besi (Halmahera-Indonesia)	Synonym of Makian	0608-07=
Kiematabu, Bukit (Halmahera-Indonesia)	Stratovolcano of Tidore	0608-061
Kieyo (Africa-E)	Stratovolcano (1, 1800) Historical	**0202-17=**
Kiezu-ike (Honshu-Japan)	Crater of Norikura	0803-06=
Kifune (Honshu-Japan)	Cinder cone of Mutsure-jima	.....
Kigalgin (Aleutian Is)	Synonym of Carlisle	1101-23-
Kigamil (Kigamiljach) (Aleutian Is)	Synonym of Kagamil	1101-26-
Kigere (Africa-C)	Tuff cone of Fort Portal	0203-001
Kigezi (Africa-C)	Crater of Bunyaruguru	0203-004
Kigo-yama (Honshu-Japan)	Dome of Tomuro	.....
Kiguga Warm Springs (Aleutian Is)	Thermal feature of Moffett	1101-111
Kijongo Kalema (Africa-C)	Tuff cone of Fort Portal	0203-001
Kijongo Katabyire (Africa-C)	Tuff cone of Fort Portal	0203-001
Kikai (Ryukyu Is)	Caldera (22, 2004) Historical	**0802-06=**
Kikaiga-shima (Ryukyu Is)	Synonym of Kikai	0802-06=
Kikdooli Butte (Alaska-W)	Cone of Nunivak Island	1104-02-
Kikhiikhylkhangei (Kamchatka)	Cone (None) Pleistocene	.....
Kikhpinych (Kamchatka)	Synonym of Bolshoi Semiachik	1000-15=
Kikhpinych (Kamchatka)	Stratovolcanoes (8, 1550) Radiocarbon	**1000-18=**
Kikikyak Hill (Alaska-W)	Cone of Nunivak Island	1104-02-
Kikombe (Africa-C)	Cone of Karisimbi	0203-04-
Kikorongo (Africa-C)	Tuff cone of Katwe-Kikorongo	0203-003
Kilauea (Hawaiian Is)	Shield volcano (95, 2010) Historical	**1302-01-**
Kilauea (Hawaiian Is)	Caldera of Kilauea	1302-01-
Kilauea Iki (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Kilbourne Hole (US-New Mexico)	Maar of Potrillo Volc Field	.....
Kilchu-Myongch'on (Korea)	Volcanic field (None) Pleistocene	.....
Kilema (Africa-E)	Cone of Kilimanjaro	0202-15=
Kileo (Africa-E)	Cone of Kilimanjaro	0202-15=
Kilian Cratere (France)	Dome of Chaine des Puys	0100-02-
Kilima Dscharo (Kilima Njaro) (Africa-E)	Synonym of Kilimanjaro	0202-15=
Kilimandjaro (Africa-E)	Synonym of Kilimanjaro	0202-15=
Kilimanjaro (Africa-E)	Stratovolcano (None) Holocene	**0202-15=**
Kilohana Crater (Hawaiian Is)	Shield volcano of Kauai	.....
Kilole (Ethiopia)	Tuff ring of Bishoftu Volc Field	0201-22-
Kilombe Caldera (Africa-E)	Caldera (None) Pleistocene?	.....
Kimanura (Africa-C)	Cone of Nyamuragira	0203-02=
Kimbe (New Britain-SW Pac)	Stratovolcano (None) Post-Miocene	.....
Kimen-zan (Honshu-Japan)	Dome of Adatara	0803-17=
Kimera (Africa-C)	Cone of Nyamuragira	0203-02=
Kimjooksuk Butte (Alaska-W)	Cone of Nunivak Island	1104-02-
Kimiksthek Hill (Alaska-W)	Cone of Nunivak Island	1104-02-
Kimikthak Hills (Alaska-W)	Cone of Nunivak Island	1104-02-
Kimilos (Greece)	Cone of Milos	0102-03=
Kimitina (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Kimpo (Kyushu-Japan)	Synonym of Kinpo	.....
Kimsachata (Perú)	Synonym of Quimsachata	1504-00-
Kinami (New Ireland-SW Pacific)	Stratovolcano of Lihir	0504-01=
Kinanga (Africa-E)	Cone of Kilimanjaro	0202-15=
Kinchokla (Kamchatka)	Synonym of Nikolka	.....
Kinenin (Kamchatka)	Maar (1, 850) Radiocarbon	**1000-551**
King Creek (Canada)	Cone of Iskut-Unuk River Cones	1200-09-
King Mountain Fissure (US-Washington)	Fissure vent of Adams	1201-04-
Kingiri (Africa-E)	Maar of Kieyo	0202-17=
King's Bowl Rift (US-Idaho)	Fissure vent of Wapi Lava Field	1204-03-
Kinia River (Alaska-W)	Cinder cones (None) Post-Miocene	.....
Kiniha (Africa-C)	Cone of Nyiragongo	0203-03=
Kino Crater (Mexico)	Maar of Pinacate	1401-001
Kinpo (Kyushu-Japan)	Stratovolcano (None) Pleistocene	.....
Kinpo-san (Honshu-Japan)	Synonym of Tokuyama-Mitake	.....
Kinrara (Australia)	Cone of McBride Volc Province	.....
Kinugasa (Kyushu-Japan)	Stratovolcano of Unzen	0802-10=
Kinunuma-Nenakusa (Honshu-Japan)	Lava domes (None) Pleistocene	.....

Tom Casadevall (USGS)

The renowned double crater lakes of **Kelimutu** volcano on Indonesia's Flores Island display variable water colors and are separated by a narrow septum about 35 m high. Phreatic eruptions have occurred from the left-hand lake in the 19th and 20th centuries, and continuous upwelling occurs at both lakes.

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Ko-Fuji (Honshu-Japan)	Stratovolcano of Fuji	0803-03=
Kogaja-jima (Ryukyu Is)	Lava domes (None) Holocene?	**0802-041**
Koganegahara (Hokkaido-Japan)	Cone of Tomuraushi Volc Group	.....
Kohala (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
Koh-i Bazman (Iran)	Synonym of Bazman	0302-03-
Koh-i Sultan (Pakistan)	Synonym of Sultan	.....
Koh-i Taftan (Iran)	Synonym of Taftan	0302-05-
Ko-Hiyoshi [Volcano Is-Japan)	Submarine vent of Minami-Hiyoshi	0804-131
Kohuora (New Zealand)	Tuff cone of Auckland Field	0401-02=
Koike (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Koilonga (Africa-E)	Cone of Sultan Hamud-Simba	.....
Koinaka-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Koizumi-dake (Hokkaido-Japan)	Stratovolcano of Daisetsu	0805-06=
Ko-jima (Izu Is-Japan)	Stratovolcano of Hachijo-jima	0804-05=
Kojin-yama (Honshu-Japan)	Dome of Chokai	0803-22=
Kok-Hem (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Kok-Hemskii [Kok-Hem) (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Kokhera (China-E)	Synonym of Wudalianchi	1005-03-
Kokh-i-Sultan (Pakistan)	Synonym of Sultan	.....
Kokkino Vouno (Greece)	Cinder cone of Santorini	0102-04=
Koko (Hawaiian Is)	Tuff cone of Koolau	.....
Koko Head (Hawaiian Is)	Tuff cone of Koolau	.....
Kokon (Banda Sea)	Synonym of Nila	0605-06=
Kokon-empung (Sulawesi-Indonesia)	Synonym of Lokon-Empung	0606-10=
Kokongo (New Zealand)	Cone of South Auckland	.....
Kokoolau (Hawaiian Is)	Cone of Kilauea	1302-01-
Kokor, Wai (Lesser Sunda Is)	Thermal feature of Poco Leok	0604-07=
Koksan-Singye (Korea)	Shield volcano (None) Pleistocene	.....
Kolanh Dag (Turkey)	Cone of Erciyes Dagi	0103-01=
Kolanli Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Kolbeinsey Ridge (Iceland-N of)	Submarine volcano (2, 1755) Historical	**1705-01=**
Kolbo, Gof (Africa-E)	Maar of Marsabit	0202-021
Kolchon (Kamchatka)	Synonym of Ichinsky	1000-28=
Koldukvislarhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Kole, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Kolekole (Hawaiian Is)	Cone of Haleakala	1302-06-
Kolekole, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Kolgrafarholl (Iceland-SW)	Cone of Grimsnes	1701-06=
Kollottadyngja (Iceland-NE)	Shield volcano of Askja	1703-06=
Kolo (Solomon Is-SW Pacific)	Synonym of Kanekolo, Mt	.....
Kolob (US-Utah)	Volcanic field (None) Pleistocene	.....
Kolob Peak (US-Utah)	Cinder cone of Kolob	.....
Kolobochon (Africa-E)	Tuff ring of Korosi	0202-054
Kolokol (Kuril Is)	Stratovolcano of Kolokol Group	0900-12=
Kolokol Group (Kuril Is)	Somma volcanoes (9, 1973) Historical	**0900-12=**
Kolombangara (Solomon Is-SW Pacific)	Stratovolcano (None) Pleistocene	.....
K'o-lo-Nan-shan (China-E)	Synonym of Keluo Group	1005-02-
Kolumbangara (Solomon Is-SW Pacific)	Synonym of Kolombangara	.....
Koma Kulshan (US-Washington)	Synonym of Baker	1201-01=
Koma-dake (Honshu-Japan)	Synonym of Akita-Komaga-take	0803-23=
Komaga-take (Honshu-Japan)	Dome of Hakone	0803-02=
Komaga-take (Hokkaido-Japan)	Stratovolcano (19, 2000) Historical	**0805-02=**
Komaga-take (Honshu-Japan)	Synonym of Kurikoma	0803-21=
Komakata-yama (Honshu-Japan)	Synonym of Akita-Komaga-take	0803-23=
Komanago (Honshu-Japan)	Dome of Omanago Group	0803-142
Komarov (Kamchatka)	Stratovolcano (2, 950) Radiocarbon	**1000-22=**
Komarova (Kamchatka)	Synonym of Komarov	1000-22=
Kombang (Java)	Dome of Kelut	0603-28=
Kombiu (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Komboro (Solomon Is-SW Pacific)	Stratovolcano (None) Post-Miocene	.....
Kombosi (New Britain-SW Pac)	Dome of Unea	.....
Kombung (Admiralty Is-SW Pacific)	Cone of St. Andrew Strait	0500-01=
Kometsuka (Kyushu-Japan)	Cone of Aso	0802-11=
Komia (Greece)	Thermal feature of Milos	0102-03=
Komikasa-yama (Honshu-Japan)	Cone of On-take	0803-04=
Komitake (Honshu-Japan)	Stratovolcano of Fuji	0803-03=
Komochi-Onoko (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Komochi-yama (Honshu-Japan)	Stratovolcano of Komochi-Onoko	.....
Komochi-yama (Izu Is-Japan)	Cone of Tori-shima	0804-09=
Komolion (Africa-E)	Vent of Korosi	0202-054
Komorni Hurka (Czech)	Cinder cone of Cheb Basin	.....
Komoti-Oncko (Honshu-Japan)	Synonym of Komochi-Onoko	.....
Komoti-yama [Komochi-yama] (Izu Is-Japan)	Cone of Tori-shima	0804-09=
Kompira-yama (Hokkaido-Japan)	Dome of Usu	0805-03=
Komuro-yama (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Kone (Ethiopia)	Calderas (1, 1820) Historical	**0201-20-**
Konechnaya (Kamchatka)	Shield volcano (None) Pleistocene	.....
Kongolo (Africa-E)	Dome of SW Usangu Basin	0202-163
Kongsfell (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Koni (Ethiopia)	Synonym of Kone	0201-20-
Konia (Aleutian Is)	Stratovolcano of Korovin	1101-161
Koniuji (Aleutian Is)	Stratovolcano (3, ~1150) Ar/Ar	**1101-14-**
Koniushi (Aleutian Is)	Synonym of Koniuji	1101-14-
Kono (Honshu-Japan)	Crater of Akagi	0803-13=
Konocti, Mt (US-California)	Dome of Clear Lake	1203-10-
Konpira-yama [Kompira-yama] (Japan)	Dome of Usu	0805-03=
Konradi (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Konsei-zan (Honshu-Japan)	Dome of Nikko-Shirane	0803-14=
Kontaro (Greece)	Dome of Milos	0102-03=
Konwonsavaro (Vanuatu-SW Pacific)	Crater of Suretamatai	0507-01=
Kookooligit Mountains (Alaska-W)	Shield volcano (None) Holocene	**1104-05-**
Kookoolit Hill (Alaska-W)	Cone of Kookooligit Mountains	1104-05-
Koolau (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
Kooper [Laguna Rio Cuarto] (Costa Rica)	Maar of Poas	1405-04=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Kopacsihegy (Hungary)	Cone of Balaton Highland	.....
Kopan (Slovakia)	Cone of Filakovo-Salgotarjan	.....
Kopeng (Java)	Fissure vent of Merbabu	0603-24=
Kopkan (Kamchatka)	Shield volcanoes (None) Pleistocene	.....
Koponui (New Zealand)	Cone of Pirongia	.....
Kopukairoa (New Zealand)	Dome of Kaimai	.....
Korakia (Greece)	Dome of Milos	0102-03=
Koranga (New Guinea)	Maar (None) Holocene	**0503-003**
Korath Range (Ethiopia)	Tuff cones (None) Holocene?	**0201-32-**
Koriaka (Koriaksky) (Kamchatka)	Synonym of Koryaksky	1000-09=
Koriana (Honshu-Japan)	Vent of Fuji	0803-03=
Koriatzkaia, Sopka (Kamchatka)	Synonym of Koryaksky	1000-09=
Kori-ike (Honshu-Japan)	Vent of Fuji	0803-03=
Korinci (Korintji) (Sumatra)	Synonym of Kerinci	0601-17=
Korjaka (Korjazkij) (Kamchatka)	Synonym of Koryaksky	1000-09=

Ichio Moriya (Kanazawa Univ.)

Sharp-peaked Takachiho-mine (center) of the **Kirishima** volcanic complex is flanked on the east (right) by Ohachi, with its broad summit crater. Kirishima is a large group of more than 20 Quaternary volcanoes that is the centerpiece of Kirishima National Park in Kyushu.

Koro (Fiji Is-SW Pacific)	Cinder cones (None) Holocene?	**0405-02-**
Korona (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Koroninokonoko (Fiji Is-SW Pacific)	Cone of Waikama	.....
Korosi (Africa-E)	Shield volcano (None) Holocene	**0202-054**
Korotyshka (Kuril Is)	Cinder cone of Medvezhia	0900-10=
Korovin (Aleutian Is)	Stratovolcanoes (8, 2007) Historical	**1101-161**
Korowinsky (Aleutian Is)	Synonym of Korovin	1101-161
Korretsberg (Germany)	Cone of East Eifel Volc Field	.....
Korudagi (Turkey)	Dome of Acigol-Nevsehir	0103-004
Koryaka (Kamchatka)	Synonym of Koryaksky	1000-09=
Koryakskaya Sopka (Kamchatka)	Synonym of Koryaksky	1000-09=
Koryaksky (Kamchatka)	Stratovolcano (7, 2009) Historical	**1000-09=**
Kos (Greece)	Calderas (None) Pleist.-Fumarolic	.....
Kosanbe (Honshu-Japan)	Dome of Sanbe	0803-002
Koschelewa (Kamchatka)	Synonym of Koshelev	1000-02=
Koschelewa Peak (Kamchatka)	Synonym of Opala	1000-08=
Kosciusko (Antarctica)	Shield volcano of Andrus	1900-023
Kosekumaru (Honshu-Japan)	Cone of Fuji	0803-03=
Koshegochek (Kamchatka)	Shield volcano (None) Pleistocene	.....
Koshelev (Kamchatka)	Stratovolcano (4, 1690) Historical	**1000-02=**
Kosheleva, Sopka (Kamchatka)	Synonym of Koshelev	1000-02=
Koshelevsky (Kamchatka)	Synonym of Koshelev	1000-02=
Koshiki (Izu Is-Japan)	Crater of Miyake-jima	0804-04=
Koshiki-ana (Izu Is-Japan)	Crater of Miyake-jima	0804-04=
Koshiki-dake (Kyushu-Japan)	Cone of Kirishima	0802-09=
Koshikirizuka (Honshu-Japan)	Cone of Fuji	0803-03=
Koshin-zan (Honshu-Japan)	Cone of Sukai-Kesemaru	.....
Kosiki-dake [Koshiki-dake] (Kyushu-Japan)	Cone of Kirishima	0802-09=
Kosinge Reef (Solomon Is-SW Pacific)	Thermal feature of Simbo	0505-05=
Kostakan (Kamchatka)	Cinder cones (6, 1350) Holocene	**1000-122**
Kostal (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Kotamoi [Tebenkov] (Kuril Is)	Stratovolcano of Grozny Group	0900-07=
Kotchlonga (Kamchatka)	Synonym of Ichinsky	1000-28=
Kotengu-dake (Hokkaido-Japan)	Stratovolcano of Nipesotsu-Maruyama	0805-061
Kothraunskula (Iceland-W)	Cone of Ljosufjoll	1700-03=
Kotiato San (Kuril Is)	Synonym of Rasshua	0900-22=
Kotkhlonga (Kamchatka)	Synonym of Ichinsky	1000-28=
Kotlugja (Iceland-S)	Synonym of Katla	1702-03=
Ko-Tokachi-dake (Hokkaido-Japan)	Stratovolcano of Tokachi	0805-05=
Kou, Puu (Hawaiian Is)	Shield volcano of Kilauea	1302-01-
Kou'a, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Koudiat, El (Africa-N)	Cone of Azrou Volc Field	.....
Kouh-e-Shahsavaran (Iran)	Synonym of Shahsavaran	.....
Koussi, Emi (Africa-N)	Pyroclastic shield (None) Holocene	**0205-021**
Ko-Usu (Hokkaido-Japan)	Dome of Usu	0805-03=
Koutsounorachi (Greece)	Dome of Milos	0102-03=
Kovachi (Solomon Is-SW Pacific)	Synonym of Kavachi	0505-06=
Koveshegy (Hungary)	Cone of Balaton Highland	.....
Kovrizhka (Russia-SE)	Cone of Tunkin Depression	1002-05-
Koya-jigoku (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Ko-yama [Taka-yama] (Honshu-Japan)	Cone of Azuma	0803-18=
Kozei Group (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Kozel [Kozelskiy] (Kamchatka)	Stratovolcano of Avachinsky	1000-10=
Kozelskiy (Kamchatka)	Stratovolcano of Avachinsky	1000-10=
Ko-zima [Ko-jima] (Izu Is-Japan)	Stratovolcano of Hachijo-jima	0804-05=
Kozin-yama [Kojin-yama] (Honshu-Japan)	Dome of Chokai	0803-22=
Kozuka-yama (Honshu-Japan)	Dome of Hakone	0803-02=
Kozukushi-yama (Honshu-Japan)	Dome of Osore-yama	0803-29=
Kozukusi-yama [Kozukushi-yama] (Japan)	Dome of Osore-yama	0803-29=
Kozu-shima (Izu Is-Japan)	Lava domes (4, 838) Historical	**0804-03=**
Kozu-sima (Izu Is-Japan)	Synonym of Kozu-shima	0804-03=
Kozyrevskii (Kuril Is)	Cone of Vernadskii Ridge	0900-37-
Kozyrevsky (Kamchatka)	Shield volcano (None) Holocene?	**1000-33-**
Krab (Kamchatka)	Dome of Kikhpinych	1000-18=
Kraeduborgir (Iceland-NE)	Fissure vent of Fremrinamur	1703-07=
Kraeveddchesky (Kamchatka)	Thermal feature of Dzenzursky	1000-11=
Krafakholahraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Krafla (Iceland-NE)	Caldera (30, 1984) Historical	**1703-08=**
Krainy (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Krainy (Kamchatka)	Shield volcano (None) Holocene?	**1000-40-**
Krakagigar (Iceland-S)	Fissure vent of Hekla	1702-07=
Krakar (New Guinea-NE of)	Synonym of Karkar	0501-03=
Krakatao (Indonesia)	Synonym of Krakatau	0602-00=
Krakatau (Indonesia)	Caldera (50, 2009) Historical	**0602-00=**
Krakatoa (Indonesia)	Synonym of Krakatau	0602-00=
Krakshraun (Iceland-SW)	Fissure vent of Hveravellir	1701-08=
Krakshraun (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Kramosan (Java)	Dome of Kelut	0603-28=
Krasheninnikov (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Krasheninnikov (Kamchatka)	Caldera (31, 1550) Radiocarbon	**1000-19=**
Krasheninnikov (Kuril Is)	Crater of Vernadskii Ridge	0900-37-
Krasnaya (Kamchatka)	Dome of Shiveluch	1000-27=
Krasnukh, Mt (Kuril Is)	Cone of Vernadskii Ridge	0900-37-
Krasny (Kamchatka)	Cinder cone of Kostakan	1000-122
Kratioti (Greece)	Dome of Nisyros	0102-05=
Krayniy (Kamchatka)	Synonym of Krainy	1000-40-
Krenitzyn Peak (Kuril Is)	Stratovolcano of Tao-Rusyr Caldera	0900-31=
Kreppuhraun (Iceland-NE)	Fissure vent of Kverkfjoll	1703-05=
Krepputunguhraun (Iceland-NE)	Fissure vent of Kverkfjoll	1703-05=
Krestovskaya [Krestovsky] (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Krestovskii [Krestovsky] (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Krestovsky (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Krikahraun (Iceland-S)	Fissure vent of Katla	1702-03=
Krincing (Java)	Cone of Iyang-Argapura	0603-33=
Kringluhraun (Iceland-S)	Crater Row of Hekla	1702-07=
Krisuvík (Iceland-SW)	Crater rows (11, 1340) Historical	**1701-03=**
Kroflueldar (Iceland-NE)	Crater Row of Krafla	1703-08=
Krokagilsolduhraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Krokahraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Krokur (Kamchatka)	Maar of Krasheninnikov	1000-19=
Kromyonia (Greece)	Synonym of Susaki	0102-01=
Kroner Lake (Antarctica)	Maar of Deception Island	1900-03=
Kronotsky (Kamchatka)	Stratovolcano (3, 1923) Historical	**1000-20=**
Kronotzkaia Sopka (Kamchatka)	Synonym of Kronotsky	1000-20=
Kronotzky (Kronozky) (Kamchatka)	Synonym of Kronotsky	1000-20=
Kropotkin (Russia-SE)	Cinder cone of Oka Plateau	1002-06-
Krotiraki (Greece)	Dome of Milos	0102-03=
Krug (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Kruglaya (Kamchatka)	Dome of Uzon	1000-17=
Kruglenky (Kamchatka)	Shield volcano of Kopkan	.....
Kruglenky (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Krugliy (Kamchatka)	Shield volcano (None) Pleistocene	.....
Krummel (New Britain-SW Pac)	Stratovolcano of Garbuna Group	0502-07=
Krummel (Germany)	Cone of West Eifel Volc Field	0100-01-
Krutaya Mountain (Kuril Is)	Cone of Ivao Group	0900-111
Krutoi (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Krutoi (Kuril Is)	Dome of Golovnin	0900-01=
Kryshanovskogo [Kryzhanovskiy]	Fissure vent of Kliuchevskoi	1000-26=
Krysuvik (Iceland-SW)	Synonym of Krisuvik	1701-03=
Krysuvik (Iceland-SW)	Thermal feature of Krisuvik	1701-03=
Kryzhanovskii (Kuril Is)	Caldera of Tao-Rusyr Caldera	0900-31=
Kryzhanovskiy (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Kskhudach (Kamchatka)	Synonym of Ksudach	1000-05=
Ksudach (Kamchatka)	Stratovolcano (15, 1907) Historical	**1000-05=**
Ksudatsch (Kamchatka)	Synonym of Ksudach	1000-05=
Ktenas (Greece)	Dome of Santorini	0102-04=
Kuandian (China-E)	Pyroclastic cones (None) Quaternary	.....
Kuani Hill (Africa-E)	Cone of Nyambeni Hills	0202-056
Kuantan (SE Asia)	Volcanic field (None) Pleistocene	.....
K'uan-tien (China-E)	Synonym of Kuandian	.....
Kuan-Tzo-Ling (China-E)	Cone of Longgang Group	1005-05-
Kuanyinshan (Taiwan)	Dome of Tatun Group	0801-032
Kuba-jima (Ryukyu Is)	Synonym of Kobi-sho	.....
Kuccharo (Hokkaido-Japan)	Synonym of Kutcharo	0805-08=
Kuchierabu-jima (Ryukyu Is)	Synonym of Kuchinoerabu-jima	0802-05=
Kuchinoerabu-jima (Ryukyu Is)	Stratovolcanoes (24, 1980) Historical	**0802-05=**
Kuchino-shima (Ryukyu Is)	Stratovolcanoes (4, 1190) Radiocarbon	**0802-043**
Kucuk Ararat (Turkey)	Cone of Ararat	0103-04-
Kucuk Kefeli (Turkey)	Cone of Erciyes Dagi	0103-01=
Kucukmedet Tepe (Turkey)	Cone of Karapinar Field	0103-001
Kudari-yama (Honshu-Japan)	Fissure vent of Fuji	0803-03=
Kudriavy (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Kueishantao (Taiwan-E of)	Stratovolcano (1, 1785) Historical	**0801-031**
Kugak (Kugat) (Alaska Peninsula)	Synonym of Kukak	1102-23-
Kugidach-Jagutscha [Pogromni] (Aleutian Is)	Stratovolcano of Westdahl	1101-34-
Kuharua (New Zealand)	Dome of Taupo	0401-07=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Kuh-e Bazman (Iran)	Synonym of Bazman	0302-03-
Kuh-e Sultan (Pakistan)	Synonym of Sultan	.....
Kuh-e Taftan (Iran)	Synonym of Taftan	0302-05-
Kuh-e-Sahand (Iran)	Synonym of Sahand	0302-001
Kuhha-ye Sabalan (Iran)	Synonym of Sabalan	0302-002
Kuh-i-Daftan (Iran)	Synonym of Taftan	0302-05-
Kuirau Park (New Zealand)	Thermal feature of Rotorua	.....
Kuju (Kyushu-Japan)	Stratovolcanoes (13, 1996) Historical	**0802-12=**
Kuju Naka-dake (Kyushu-Japan)	Dome of Kuju	0802-12=
Kujyu Group (Kyushu-Japan)	Synonym of Kuju	0802-12=
Kukai, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Kukak (Alaska Peninsula)	Stratovolcano (None) Fumarolic	**1102-23-**
Kukii, Puu [Puu Kukai] (Hawaiian Is)	Cone of Kilauea	1302-01-
Kukusan (Java)	Cone of Ijen	0603-35=
Kukusan (Sumatra)	Unknown (None) Post-Miocene	.....
Kukusan (Java)	Cone of Semeru	0603-30=
Kula (Turkey)	Cinder cones (None) Holocene	**0103-00-**
Kula Divlit (Turkey)	Cone of Kula	0103-00-
Kulabu (Sumatra)	Cone of Sorikmarapi	0601-12=
Kulakov (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Kulal (Africa-E)	Shield volcano (None) Pleistocene	.....
Kulan Spring (Mindanao-Philippines)	Thermal feature of Apo	0701-03=
Kulanapahu (Hawaiian Is)	Cone of Haleakala	1302-06-
Ku-lao-rhe (SE Asia)	Synonym of Cu-Lao Re Group	0705-02-
Kulich (Kamchatka)	Dome of Bezymianny	1000-25=
Kulichi (Kuril Is)	Dome of Medvezhia	0900-10=
Kulkev (Kamchatka)	Shield volcano (None) Holocene?	**1000-37-**
Kulkul (New Guinea-NE of)	Synonym of Ritter Island	0501-07=
Kulshan (US-Washington)	Synonym of Baker	1201-01=
Kulshan Caldera (US-Washington)	Pleistocene caldera of Baker	1201-01=
Kulua, Puu (Hawaiian Is)	Cone of Mauna Loa	1302-02=
Kuma, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Kuma-dake (Hokkaido-Japan)	Stratovolcano of Daisetsu	0805-06=
Kumaneshiri (Hokkaido-Japan)	Stratovolcanoes (None) Pleistocene	.....
Kumaneshiri-dake (Hokkaido-Japan)	Stratovolcano of Kumaneshiri	.....
Kumano-dake (Honshu-Japan)	Synonym of Zao	0803-19=
Kumano-dake (Honshu-Japan)	Dome of Zao	0803-19=
Kuma-Otoshi (Hokkaido-Japan)	Crater of Kutcharo	0805-08=
Kuma-Otosi [Kuma-Otoshi] (Hokkaido-Japan)	Crater of Kutcharo	0805-08=
Kumbang (Java)	Therm. feature of Dieng Volc Complex	0603-20=
Kumbang (Sumatra)	Stratovolcano (None) Pleistocene	.....
Kumbolo, Ranu (Java)	Maar of Semeru	0603-30=
Kumboro (Solomon Is-SW Pacific)	Synonym of Komboro	.....
Kumbu (New Britain-SW Pac)	Dome of Unea	.....
Kumburi [Kombosi] (New Britain-SW Pac)	Dome of Unea	.....
Kummen (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Kumono-taira (Honshu-Japan)	Shield volcano Washiba-Kumonotaira	0803-071
Kumu, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Kuna Butte (US-Idaho)	Cinder cones (None) Pleistocene	.....
Kunashiri-Rausu (Kuril Is)	Synonym of Mendeleev	0900-02=
Kundi-Baruklingting-Sapikerep (Java)	Pleistocene caldera Tengger Caldera	0603-31=
Kung-po (SE Asia)	Synonym of Tengchong	0705-11-
Kuniang, Kapundan [Kepundan Kuniang]	Crater of Marapi	0601-14=
Kuniang, Kepundan (Sumatra)	Crater of Marapi	0601-14=
Kunii [Kunir] (Java)	Dome of Dieng Volc Complex	0603-20=
Kuninofuka-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Kunir (Java)	Dome of Dieng Volc Complex	0603-20=
Kunjit (Sumatra)	Synonym of Kunyit	0601-171
Kunkhilok (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Kunlun Volc Group (China-W)	Pyroclastic cones (1, 1951) Historical	**1004-03-**
Kuntomintar (Kuril Is)	Hydrotherm. field (None) Pleist.-Fumarolic	.....
Kunua (Bougainville-SW Pacific)	Stratovolcano of Emperor Range	.....
Kunumi-dake (Kyushu-Japan)	Dome of Unzen	0802-10=
Kunuweri (Banda Sea)	Synonym of Teon	0605-05=
Kunyit (Sumatra)	Stratovolcano (None) Fumarolic	**0601-171**
Kupaianaha (Hawaiian Is)	Shield volcano of Kilauea	1302-01-
Kupenui (New Zealand)	Cone of Whangarei	0401-011
Kupol (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Kupol Skalisty (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Kupreanof (Alaska Peninsula)	Stratovolcano (1, 1987) Historical	**1102-06-**
Kuraishi-dake (Honshu-Japan)	Synonym of Zao	0803-19=
Kuraiswa (Africa-E)	Vent of Korosi	0202-054
Kurasaki (Izu Is-Japan)	Stratovolcano of Aoga-shima	0804-06=
Kurdj Ayman (Arabia-S)	Cone of Haylan, Jabal	0301-11-
Kurgannaya (Kamchatka)	Unknown (None) Pleistocene	.....
Kurikoma (Honshu-Japan)	Stratovolcano (7, 1950) Historical	**0803-21=**
Kuril Lake (Kamchatka)	Synonym of Kurile Lake	1000-023
Kurile Lake (Kamchatka)	Caldera (2, -6440) Radiocarbon	**1000-023**
Kurilskoe, Lake (Kamchatka)	Synonym of Kurile Lake	1000-023
Kurino-dake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Kuro-dake (Hokkaido-Japan)	Dome of Daisetsu	0805-06=
Kuro-dake (Kyushu-Japan)	Dome of Kuju	0802-12=
Kuro-dake (Kuril Is)	Synonym of Sinarka	0900-29=
Kurodani (Honshu-Japan)	Crater of Yake-dake	0803-07=
Kurofuji (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Kurofu-yama (Honshu-Japan)	Stratovolcano of Asama	0803-11=
Kurohime (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Kuroi (Kuroisi) (Kuril Is)	Synonym of Tao-Rusyr Caldera	0900-31=
Kuroishi-dake (Kuril Is)	Synonym of Tao-Rusyr Caldera	0900-31=
Kuroishimori (Honshu-Japan)	Dome of Akita-Yake-yama	0803-26=
Kurokwa-yama (Kyushu-Japan)	Cone of Kuju	0802-12=
Kuro-jima (Kyushu-Japan)	Cone of Fukue-jima	0802-091
Kurokawa (Kyushu-Japan)	Thermal feature of Kuju	0802-12=
Kurose (Kyushu-Japan)	Volcanic neck (None) Pleistocene	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Kurose Hole (Izu Is-Japan)	Submarine volcano (None) Holocene?	**0804-042**
Kuro-shima (Ryukyu Is)	Stratovolcano (None) Pleistocene	.....
Kurotsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Kursi, Gunung (Java)	Cinder cone of Tengger Caldera	0603-31=
Kurttepe (Turkey)	Thermal feature of Hasan Dagi	0103-002
Kurub (Ethiopia)	Shield volcano (None) Holocene	**0201-12=**
Kurub Koba [Kurub Koma] (Ethiopia)	Synonym of Kurub	0201-12=
Kurum (New Guinea-NE of)	Crater of Karkar	0501-03=
Kurumiga-dake (Honshu-Japan)	Dome of Narugo	0803-20=
Kururi (New Guinea)	Cinder cone of Managlase Plateau	0503-021
Kurweeton, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Kusatsu-Shirane (Honshu-Japan)	Stratovolcanoes (27, 1983) Historical	**0803-12=**
Kusatu-Sirane (Honshu-Japan)	Synonym of Kusatsu-Shirane	0803-12=
Kusenbu (Kyushu-Japan)	Stratovolcano of Unzen	0802-10=
Kusenrigahama (Kyushu-Japan)	Pyroclastic cone of Aso	0802-11=
Kushiga-mine (Honshu-Japan)	Stratovolcano of Bandai	0803-16=
Kushuihuan-Beishan (China-W)	Cone of Unnamed	1004-04-
Kusigamine [Kushigamine] (Honshu-Japan)	Stratovolcano of Bandai	0803-16=
Kuska (Aleutian Is)	Synonym of Kiska	1101-02-
Kussharo (Hokkaido-Japan)	Synonym of Kutcharo	0805-08=
Kust (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Kusuku (Ryukyu Is)	Dome of Iwo-Tori-shima	0802-02=
Kutali, Tavani [Pomare] (Vanuatu-SW Pacific)	Stratovolcano of Epi	0507-06=
Kutcharo (Hokkaido-Japan)	Caldera (6, 1320) Tephrochronology	**0805-08=**
Kutierabu-zima (Ryukyu Is)	Synonym of Kuchinoerabu-jima	0802-05=
Kutina (Kamchatka)	Synonym of Spokoiny	1000-671
Kutinoerabu-zima (Ryukyu Is)	Synonym of Kuchinoerabu-jima	0802-05=
Kutino-sima (Ryukyu Is)	Synonym of Kuchino-shima	0802-043
Kutinskaya Group [Kutinsky Group] (Russia)	Cone of Tunkin Depression	1002-05-
Kutinsky Group (Russia-SE)	Cone of Tunkin Depression	1002-05-
Kutlyukhat (Alaska Peninsula)	Synonym of Kukak	1102-23-
Kuttara (Hokkaido-Japan)	Stratovolcanoes (3, 1820) Tephrochron	**0805-034**
Kuttyaro (Hokkaido-Japan)	Synonym of Kutcharo	0805-08=
Kutum Volc Field (Africa-N)	Scoria cones (None) Holocene?	**0205-04-**
Kuwae (Vanuatu-SW Pacific)	Caldera (12, 1974) Historical	**0507-07=**
Kuwakidaira (Izu Is-Japan)	Caldera of Miyake-jima	0804-04=
Kuwanoki-daira (Izu Is-Japan)	Cone of Miyake-jima	0804-04=
Kuyup (Kamchatka)	Shield volcano of Uksichan	1000-35-
Kuzanek (Kamchatka)	Shield volcano (None) Pleistocene	.....
Kuzay (Turkey)	Dome of Acigol-Nevsehir	0103-004
Kuzheten (Kamchatka)	Shield volcano (None) Pleistocene	.....
Kuzyu Volcano Group (Kyushu-Japan)	Synonym of Kuju	0802-12=
Kverkfjallaranamyndun (Iceland-NE)	Crater Row of Kverkfjoll	1703-05=
Kverkfjoll (Iceland-NE)	Stratovolcano (8, 1968) Historical	**1703-05=**
Kviahnjukur (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Kvostof Island (Aleutian Is)	Synonym of Davidof	1101-04-
Kwa Mikungu (Africa-E)	Cone of Kilimanjaro	0202-15=
Kwadisha (Africa-E)	Cone of Chyulu Hills	0202-13=
Kwamwiga (Africa-C)	Crater of Bunyaruguru	0203-004
Kwangeta (Africa-E)	Cone of Sultan Hamud-Simba	.....
Kwankaiji-onsen (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Kwaraha (Africa-E)	Stratovolcano (None) Pleistocene	.....
Kweo Butte (US-Oregon)	Cone of Newberry	1202-11-
Kweteon (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Kwinnum Butte (US-Oregon)	Cone of Newberry	1202-11-
Kwtintog (Vanuatu-SW Pacific)	Stratovolcano of Suretamatai	0507-01=
Kwohl Butte (US-Oregon)	Shield volcano of Bachelor	1202-09-
Kyamweru (Africa-C)	Crater of Bunyaruguru	0203-004
Kyatwa (Africa-C)	Tuff cones (None) Holocene?	**0203-002**
Kyaukka (SE Asia)	Vent of Lower Chindwin	0705-09-
Kyaukmyet (SE Asia)	Vent of Lower Chindwin	0705-09-
Kyeganywa (Africa-C)	Tuff cone of Fort Portal	0203-001
Kyema (Africa-C)	Crater of Bunyaruguru	0203-004
Kyiwin Taung (SE Asia)	Vent of Lower Chindwin	0705-09-
Kyle Cone (Antarctica)	Cone of Terror, Mt	.....
Kyoga (Africa-C)	Crater of Bunyaruguru	0203-004
Kyoga-take (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Kyowa-yama (Honshu-Japan)	Dome of Chokai	0803-22=

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La see proper name (e.g. Corona, La)		
La Bang Mount (SE Asia)	Crater of Pleiku-Bantour Volc Field	.....
La Palma (Canary Is)	Stratovolcanoes (13, 1971) Historical	**1803-01-**
La Roja (Italy)	Thermal feature of Vulcano	0101-05=
Laacher Kopf (Germany)	Cone of East Eifel Volc Field	.....
Laacher See (Germany)	Maar of East Eifel Volc Field	.....
Labo (Luzon-Philippines)	Compound volc (None) Pleist.-Hot Springs	.....
Labor, Ausoles de la (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Labronzo (Italy)	Crater of Stromboli	0101-04=
Laco (Chile-N)	Lava dome (None) Pleistocene?	.....
Lacona (Vanuatu-SW Pacific)	Synonym of Gaua	0507-02=
Lacroix, Fumerolle (W Indies)	Thermal feature Soufriere Guadeloupe	1600-06=
Lacroix, Piton (W Indies)	Dome of Carbets, Pitons de	.....
Lacroix, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Ladolam (New Ireland-SW Pacific)	Thermal feature of Lihir	0504-01=
Laena (Solomon Is-SW Pacific)	Unknown (None) Post-Miocene	.....
Lagafell (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Lagenda (New Britain-SW Pac)	Synonym of Garua Harbour	0502-06=
Lagerny (Kamchatka)	Dome of Akademia Nauk	1000-125
Lagerny (Kamchatka)	Shield volcano of Bely	1000-64-
Lagerny (Kuril Is)	Cinder cone of Medvezhia	0900-10=
Lagerny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Laghetto (Italy)	Maar of Alban Hills	0101-004
Laghetto (Italy)	Cinder cone of Etna	0101-06=
Lago, Lagoa, Laguna (Portuguese and Spanish for Lake) see proper name		
Lagoinha (Azores)	Dome of Terceira	1802-05=
Lagrimas, Las (Argentina)	Cinder cone of Atuel, Caldera del	1507-023
Lagula, Mt. (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Lagumishera (Africa-E)	Cone of Kilimanjaro	0202-15=
Laguna (Halmahera-Indonesia)	Crater of Gamalama	0608-06=
Laguna (US-New Mexico)	Fissure vent of Zuni-Bandera	1210-02-
Laguna Caldera (Luzon-Philippines)	Caldera (None) Fumarolic	**0703-08=**
Laguna Volc Field (Luzon-Philippines)	Synonym of San Pablo Volc Field	0703-06=
Laguna, Alto de la (Colombia)	Dome of Ruiz, Nevado del	1501-02=
Laguna, Caldera de (Canary Is)	Cinder cone of Fuerteventura	1803-05-
Laguna, De la (Argentina)	Vent of Unnamed	.....
Laguna, La (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061

Carlos Felipe Ramírez (courtesy O. González-Ferran, Univ. Chile)

Prominent lateral levees mark a steep-sided lava flow (center) and another ~7000-year-old lava flow descending from the left side of the summit crater of **Lascár** volcano in central Chile. Light-colored pyroclastic-flow deposits from a 1993 eruption are in the foreground.

Laguna-Pulacayo, Cerro (Chile-N)	Unknown (None) Post-Miocene	.....
Lagunas, Las [Monte de la Cruz] (Costa Rica)	Cinder cone of Barva	1405-05=
Lagunillas, Las (Chile-C)	Cinder cone of Chillan, Nevados de	1507-07=
Lagunita, La [Laguna las Ninfas] (El Salv)	Crater of Apaneca Range	1403-01=
Lahendong (Sulawesi-Indonesia)	Maar of Tondano Caldera	0606-07-
Laher, Kawah (Java)	Thermal feature of Kendang	0603-11=
Laifengshan (SE Asia)	Cone of Tengchong	0705-11-
Laigongkenshan (Taiwan)	Dome of Tatun Group	0801-032
Laika (Vanuatu-SW Pacific)	Cone of Kuwae	0507-07=
Laika Bank [Karua] (Vanuatu-SW Pacific)	Submarine vent of Kuwae	0507-07=
Laimana, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Laina, Puu (Hawaiian Is)	Cone of West Maui	.....
Laja (Chile-C)	Synonym of Antuco	1507-08=
Laja los Cerritos, Cerro la [La Laja] (Mexico)	Shield volcano of Northern Atenguillo	.....
Laja, La (Mexico)	Shield volcano of Northern Atenguillo	.....
Lajara (Chile-C)	Synonym of Mocho-Choshuenco	1507-13=
Lajas, Cerro las (Mexico)	Shield volcano of Cofre de Perote	1401-096
Lajas, Las (Nicaragua)	Shield volcano (None) Holocene?	**1404-133**
Lajas, Montanas las (Canary Is)	Fissure vent of Tenerife	1803-03-
Lakagigar [Laki] (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Lake see proper name (e.g. Wisdom, Lake)		
Lake Hill (Alaska-W)	Cinder cone of St. Paul Island	1104-01-
Lakeshore Cone (Aleutian Is)	Cone of Semisopochnoi	1101-06-
Lakeview Mountain (US-Oregon)	Shield volcano of Red Top Mountain	.....
Laki (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Lakona (Vanuatu-SW Pacific)	Synonym of Gaua	0507-02=
Lakwa, Vuti (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Lalala (New Britain-SW Pac)	Cone of Dakataua	0502-04=
Lalasho, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
Laloanea (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Lalolalo (SW Pacific)	Crater of Wallis Islands	0404-05-
Laluai (Bougainville-SW Pacific)	Pleistocene caldera of Loloru	0505-03=
Lam Teuba (Sumatra)	Pleist caldera of Seulawah Agam	0601-02=
Lama Heru (Lesser Sunda Is)	Synonym of Iliwerung	0604-25=
Lama, Kaba (Sumatra)	Crater of Kaba	0601-22=
Lamatelang (Lesser Sunda Is)	Synonym of Iliboleng	0604-22=
Lamb, Mt (Australia)	Cone of McBride Volc Province	.....
Lambadalshraun (Iceland-S)	Crater Row of Hekla	1702-07=
Lambafit (Iceland-S)	Fissure vent of Hekla	1702-07=
Lambafjoll (Iceland-NE)	Fissure vents (None) Pleistocene	.....
Lambagai, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
Lambagigar [Lambafit] (Iceland-S)	Fissure vent of Hekla	1702-07=
Lambahraun (Iceland-SW)	Fissure vent of Hofsjokull	1701-09=
Lambahraun (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Lambavatnsgigar (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Lambo (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Lambuwu, Doro (Lesser Sunda Is)	Stratovolcano (None) Quaternary	.....
Lamington (New Guinea)	Stratovolcano (3, 1956) Historical	**0503-01=**
Lamins Hill (Australia)	Cone of Atherton Volc Province	.....
Lamona [Lamonai] (D'Entrecasteaux Is)	Stratovolcano of Dawson Strait Group	0503-06=

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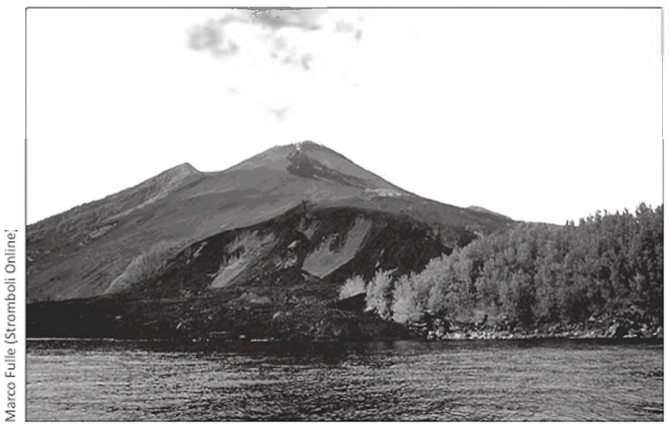
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Little Odell Butte (US-Oregon)	Cinder cone of Davis Lake	1202-10-
Little Pavlof (Alaska Peninsula)	Cone of Pavlof	1102-03-
Little Potato Butte (US-California)	Cinder cone of Potato Butte	.....
Little Rangitoto (New Zealand)	Cone of Auckland Field	0401-02=
Little Sand Butte (US-California)	Cone of Medicine Lake	1203-02-
Little Sitchin (Aleutian Is)	Synonym of Little Sitkin	1101-05-
Little Sitkin (Aleutian Is)	Stratovolcano (2, 1830) Historical	**1101-05-**
Little Soda Lake (US-Nevada)	Maar of Soda Lakes	1206-01-
Little Springs (US-Arizona)	Cinder cone of Uinkaret Field	1209-01-
Little Whitney (US-California)	Cinder cone of Golden Trout Creek	1203-17-
Liuchow Peninsula (SE Asia)	Synonym of Leizhou Bandao	0705-01-
Liuhuangdaban (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Livingston-Greenwich Is (Antarctica)	Tuff cones (None) Pleistocene	.....
Liwowo (Africa-W)	Cone of Cameroon	0204-01=
Ljosakridha (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Ljosufjallahraun (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Ljosufjoll (Iceland-W)	Fissure vents (5, 960) Anthropology	**1700-03=**
Ljotipollur (Iceland-NE)	Crater of Bardarbunga	1703-03=
Llafenco Group (Chile-C)	Crater of Villarrica	1507-12=
Llagdeguin (Chile-C)	Synonym of Callaqui	1507-091
Llaima (Chile-C)	Stratovolcano (56, 2009) Historical	**1507-11=**
Llallicupe (Chile-C)	Synonym of Sollipulli	1507-111
Llancahue, Volcanes de (Chile-C)	Cinder cone of Quetrupillan	1507-121
Llancanelo Volc Field (Chile-C)	Scoria cones (None) Pleistocene	.....
Llanganate (Ecuador)	(None) Not a Volcano	1502-07=
Llangorse Mountain (Canada)	Cone of Atlin Volc Field	1200-03-
Llangorse Volc Field (Canada)	Synonym of Atlin Volc Field	1200-03-
Llanillos, Los (Canary Is)	Cinder cone of Hierro	1803-02-
Llano Del Banco (Canary Is)	Fissure vent of La Palma	1803-01-
Llano Grande (Mexico)	Pleistocene caldera of Iztaccihuatl	1401-082
Llano Grande (Mexico)	Vent of Primavera, Sierra la	.....
Llano, Cerro el (Nicaragua)	Dome of Zapatera	1404-111
Llano, El (Nicaragua)	Caldera of Zapatera	1404-111
Llanos, Los [Tacande] (Canary Is)	Cinder cone of La Palma	1803-01-
Llanquihue (Chile-S)	Synonym of Osorno	1508-01=
Llao Bay (US-Oregon)	Shield volcano of Crater Lake	1202-16-
Llao Rock (US-Oregon)	Vent of Crater Lake	1202-16-
Llaymas (Chile-C)	Synonym of Llaima	1507-11=
L'Liet, Piton de (Indian O -W)	Cinder cone of Fournaise, Piton de la	0303-02=
Llimpi (Ecuador)	Stratovolcano (None) Pleistocene	.....
Llolli, Baños de (Chile-C)	Thermal feature of Calabozos	1507-042
Llullaillaco (Chile-N)	Stratovolcano (3, 1877) Historical	**1505-11=**
Loa, Mt (Hawaiian Is)	Synonym of Mauna Loa	1302-02=
Loa, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Loaloa, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Lobetobi (Lesser Sunda Is)	Synonym of Lewotobi	0604-18=
Lobo Radja (Lobo Raja) (Sumatra)	Synonym of Rajabasa	0601-29=
Loboa (Vanuatu-SW Pacific)	Stratovolcano of North Vate	0507-081
Lobobutu (Lesser Sunda Is)	Pleistocene caldera of Inielika	0604-09=



Marco Fulle (Stromboli Online)

Charred vegetation marks the path of a pyroclastic flow that swept to the sea on the SW flank of **Lopevi** volcano on February 19, 2000 and formed a 300-m-wide delta. Many historical eruptions at this basaltic-to-andesitic volcano, one of the most active in Vanuatu, have occurred along the same NW-SE-trending fissure that cuts across the island.

Loboleke, Wolo (Lesser Sunda Is)	Crater of Inielika	0604-09=
Lobos, Cerro (Mexico)	Dome of San Pedro	.....
Lobos, Cerro los (Mexico)	Dome of Michoacan-Guanajuato	1401-06=
Lobos, Isla de (Canary Is)	Crater of Fuerteventura	1803-05-
Lobos, Montana (Canary Is)	Cone of Lanzarote	1803-06-
Lockit Butte (US-Oregon)	Cone of Newberry	1202-11-
Lodhmundur (Iceland-SW)	Dome of Hofsjokull	1701-09=
Lodo Prieto, Cerro (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Loemoet Balai, Boekit (Sumatra)	Synonym of Lumut Balai, Bukit	0601-24=
Loeroes (Java)	Synonym of Lurus	0603-321
Loewinsson-Lessin (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Lofia (Tonga-SW Pacific)	Cone of Tofua	0403-06=
Lofos (Greece)	Dome of Nisyros	0102-05=
Logkipi Geyser (Africa-E)	Thermal feature of Barrier, The	0202-03=
Logothetis (Greece)	Vent of Nisyros	0102-05=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Logudoro (Italy)	Volcanic field (None) Pleistocene	.....
Loi Han Hun (SE Asia)	Lava dome (None) Pleistocene	.....
Loihi (Hawaiian Is)	Submarine volcano (4, 1996) Historical	**1302-00-**
Loijme, Mt (SE Asia)	Synonym of Loijme, Mt	.....
Loinyoliunguso (Africa-E)	Cone of Sultan Hamud-Simba	.....
Loiyme, Mt. (SE Asia)	Lava dome (None) Post-Miocene	.....
Lokhmaty (Kamchatka)	Dome of Bezymianny	1000-25=
Loki (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Loki-Fogrufjoll (Iceland-NE)	Submarine vent of Bardarbunga	1703-03=
Lokippi [Suguta-Logkipi] (Africa-E)	Thermal feature of Barrier, The	0202-03=
Lokon (Sulawesi-Indonesia)	Cone of Lokon-Empung	0606-10=
Lokon Wallenaure [Tompaluan] (Indonesia)	Crater of Lokon-Empung	0606-10=
Lokon-empoeng (Sulawesi-Indonesia)	Synonym of Lokon-Empung	0606-10=
Lokon-Empung (Sulawesi-Indonesia)	Stratovolcano (25, 2003) Historical	**0606-10=**
Lokris (Greece)	Dome of Volos-Atalanti	.....
Lokukus (Africa-E)	Vent of Paka	0202-053
Lolah Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Lolaru (Bougainville-SW Pacific)	Synonym of Loloru	0505-03=
Lolatolo [Kasolali] (New Britain-SW Pac)	Thermal feature of Pago	0502-08=
Lolco, Volcan (Chile-C)	Cone of Tolguaca	1507-093
Lolco, Volcan (Chile-C)	Cinder cone of Lonquimay	1507-10=
Lollo (New Britain-SW Pac)	Synonym of Lolo	0502-071
Lolo (New Britain-SW Pac)	Stratovolcano (None) Holocene?	**0502-071**
Lolo Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Lolobau (New Britain-SW Pac)	Caldera (3, 1912) Historical	**0502-13=**
Loloda (Halmahera-Indonesia)	Synonym of Tobaru	0608-02-
Loloru (Bougainville-SW Pacific)	Pyroclastic shield (6, -1050) Radiocarbon	**0505-03=**
Lolotique, Cerro (El Salvador)	Unknown (None) Quaternary	.....
Lolrupande, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
Lolwai (Vanuatu-SW Pacific)	Tuff cone of Aoba	0507-03=
Lom Kot (SE Asia)	Crater of Bokeo Volc Field	.....
Loma (Spanish for Hill) see proper name (e.g. Achacara, Loma)		
Loma Negra, Volcan (Argentina)	Vent of Infiernillo	1507-041
Loman Volcano Group (Afghanistan)	Lava domes (None) Quaternary	.....
Lomas (Costa Rica)	Shield volcano of Sierpe, Lomas de	.....
Lombenben (Vanuatu-SW Pacific)	Shield volcano of Aoba	0507-03=
Lombok (Lesser Sunda Is)	Synonym of Rinjani	0604-03=
Lomo Negro, Volcan de (Canary Is)	Cinder cone of Hierro	1803-02-
Lomonosov Group (Kuril Is)	Cinder cones (None) Holocene	**0900-351**
Lompobatang (Sulawesi-Indonesia)	Stratovolcano (None) Quaternary	.....
Londolovit (New Ireland-SW Pacific)	Stratovolcano of Lihir	0504-01=
London, Isla (Chile-S)	Synonym of Fueguino	1508-09-
Lone Butte (US-Washington)	Tuya of Indian Heaven	1201-07-
Long Island (New Guinea-NE of)	Complex volcano (11, 1993) Historical	**0501-05=**
Long Valley (US-California)	Caldera (None) Pleist.-Fumarolic	.....
Longavi, Nevado de (Chile-C)	Stratovolcano (1, -4890) Radiocarbon	**1507-063**
Long-fong-ku (Taiwan)	Thermal feature of Tatun Group	0801-032
Longgang Group (China-E)	Cinder cones (1, 350) Radiocarbon	**1005-05-**
Longhai (China-E)	Unknown (None) Quaternary	.....
Longhushan (SE Asia)	Cone of Tengchong	0705-11-
Longhuxiaoshan (SE Asia)	Cone of Tengchong	0705-11-
Longlang (SE Asia)	Pyroclastic cone of Hainan Dao	0705-001
Longonot (Africa-E)	Stratovolcano (3, 1863) Anthropology	**0202-10=**
Longtan (SE Asia)	Cone of Tengchong	0705-11-
Longuen, Nevado de (Chile-C)	Synonym of Longavi, Nevado de	1507-063
Longwan Group (China-E)	Synonym of Longgang Group	1005-05-
Lonpuimay (Chile-C)	Synonym of Lonquimay	1507-10=
Lonquen, Nevado de (Chile-C)	Synonym of Longavi, Nevado de	1507-063
Lonquimay (Chile-C)	Stratovolcano (4, 1990) Historical	**1507-10=**
Lookout Butte (US-Oregon)	Cone of Crater Lake	1202-16-
Lookout Butte (US-California)	Cone of Medicine Lake	1203-02-
Lookout Butte (US-Wyoming)	Dome of Yellowstone	1205-01-
Lookout Mountain (US-Oregon)	Shield volcano of Bachelor	1202-09-
Lookout Mountain (US-California)	Dome of Long Valley	.....
Lookout Point [Kakapiko Lookout]	Dome of Kapenga	.....
Loolmalasin (Africa-E)	Unknown (None) Pleistocene?	.....
Loolsuni (Banda Sea)	Synonym of Wurlali	0605-04=
Loomalasin (Africa-E)	Synonym of Loolmalasin	.....
Loowit Boulder Basin Hot Springs (US)	Thermal feature of St. Helens	1201-05-
Loowit Source Hot Springs (US-Washington)	Thermal feature of St. Helens	1201-05-
Loowit Travertine Hot Springs (US-Wash.)	Thermal feature of St. Helens	1201-05-
Loowitlatkla (US-Washington)	Synonym of St. Helens	1201-05-
Lopatina (Loputin) (Russia-SE)	Cinder cone of Vitim Plateau	1002-04-
Lopevi (Vanuatu-SW Pacific)	Stratovolcano (29, 2007) Historical	**0507-05=**
Lopez de Villalobos, Cerro (Mexico-Is)	Dome of Barcena	1401-02=
Loreto, Cerro (Mexico)	Cone of Chichinautzin	1401-08=
Lorusio Hot Springs (Africa-E)	Thermal feature of Silali	0202-052
Los see proper name (e.g. Volos, Los)		
Losetom (Africa-E)	Tuff cone of Emuruangogolak	0202-051
Losloyo (Chile-N)	Stratovolcano (None) Pleistocene	.....
Losolava-Tarasag (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
Lost Jim (Alaska-W)	Cone of Imuruk Lake	1104-06-
Lost Lake Butte (US-Oregon)	Shield volcano (None) Pleistocene	.....
Lost Lake Group (US-Oregon)	Cinder cone of Sand Mountain Field	1202-04-
Lost Woman (US-New Mexico)	Cone of Zuni-Bandera	1210-02-
Lotigelli (Africa-E)	Cone of Kilimanjaro	0202-15=
Lotin Island (New Guinea-NE of)	Synonym of Crown Island	.....
Lotomgan Group (New Britain-SW Pac)	Pyroclastic cones (None) Quaternary	.....
Lot's Wife (New Zealand)	Former crater of White Island	0401-04=
Lot's Wife Rock (Izu Is-Japan)	Synonym of Sofugan	0804-091
Lou (Admiralty Is-SW Pacific)	Synonym of St. Andrew Strait	0500-01=
Louchadiere, Puy de (France)	Cone of Chaîne des Puys	0100-02-
Louse (Kuril Is)	Synonym of Mendeleev	0900-02=
Loutra Methana (Greece)	Thermal feature of Methana	0102-02=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Low Island (Red Sea)	Cone of Hanish	0201-022
Low Island (Red Sea)	Cone of Zubair, Jebel	0201-02=
Lower Chindwin (SE Asia)	Volcanic field (None) Holocene?	**0705-09-**
Lower Geyser Basin (US-Wyoming)	Thermal feature of Yellowstone	1205-01-
Lower Glacier Valley (Aleutian Is)	Thermal feature of Makushin	1101-31-
Lower Maruanot (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Lowetobi (Lesser Sunda Is)	Synonym of Lewotobi	0604-18=
Lowullo Butte (US-Oregon)	Cone of Newberry	1202-11-
Lquilla, Cerro (Chile-N)	Dome of Lexone	.....
Lua (Hawaiian for Crater) see proper name (e.g. Hohonu, Lua)		
Lualaiiti (Samoa-SW Pacific)	Pit crater of Ta'u	0404-001
Luamakami (Hawaiian Is)	Cone of Hualalai	1302-04-
Lua-o-Fafine (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Lua-o-Tane (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Luatele (Samoa-SW Pacific)	Shield volcano of Ta'u	0404-001
Lubbock, Mount (Antarctica)	Cone of Daniell Peninsula	.....
Lubuk Raja (Sumatra)	Synonym of Lubukraya	0601-111
Lubukraya (Sumatra)	Stratovolcano (None) Holocene?	**0601-111**
Lubwa (Africa-E)	Dome of Nyambeni Hills	0202-056
Lucaret (Romania)	Dome of Beritia	.....
Lucero (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Lucifer Hill (Antarctica)	Cone of Candlemas Island	1900-10=
Ludent (Iceland-NE)	Tuff ring of Krafla	1703-08=
Ludentsborgir (Iceland-NE)	Crater Row of Krafla	1703-08=
Lugad (Philippines-C)	Crater of Kanlaon	0702-02=
Lugugugut [Andrew's Cone] (Africa-E)	Stratovolcano of Barrier, The	0202-03=
Luise (New Ireland-SW Pacific)	Stratovolcano of Lihir	0504-01=
Lujongo (Africa-C)	Crater of Bunyaruguru	0203-004
Lukovitsa (Kamchatka)	Dome of Gamchen	1000-21=
Lukuka (Africa-C)	Cone of Karisimbi	0203-04-
Luligi (New Britain-SW Pac)	Cone of Lotomgan Group	.....
Lulukan (Mindanao-Philippines)	Synonym of Latukan	0701-05=
Lulunurcu (Ecuador)	Dome of Casitagua	.....
Lumanto, Cerro (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Lumbung Selajur [Lumbung Selayur] (Java)	Crater of Lawu	0603-26=
Lumbung Selayur (Java)	Crater of Lawu	0603-26=
Lummerfeld (Germany)	Maar of East Eifel Volc Field	.....
Lumrun Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Lumut Balai, Bukit (Sumatra)	Stratovolcano? (None) Fumarolic	**0601-24=**
Lumut, Bukit (Sumatra)	Stratovolcano of Lumut Balai, Bukit	0601-24=
Lumutdaun, Bukit (Sumatra)	Synonym of Daun, Bukit	0601-21=
Luna Butte (US-Oregon)	Cone of Newberry	1202-11-
Luna, Volcan la (Mexico)	Crater of Pinacate	1401-001
Lunaiyir, Harrat (Arabia-W)	Synonym of Lunayyir, Harrat	0301-04-
Lunar Crater Field (US-Nevada)	Cinder cones (None) Pleistocene	.....
Lunas, Los (US-New Mexico)	Vent of Cat Hills	.....
Lunayyir, Harrat (Arabia-W)	Volcanic field (1, 1000) Historical	**0301-04-**
Lung-wan Group (China-E)	Synonym of Longgang Group	1005-05-
Lun-Ula (Mongolia)	Cone of Dariganga Volc Field	1003-04-
Luogangling (SE Asia)	Cone of Leizhou Bandao	0705-01-
Lurbun (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Lurus (Java)	Complex volcano (None) Holocene?	**0603-321**
Lusiba (Africa-E)	Crater of Rungwe	0202-166
Lusitobe North (Lesser Sunda Is)	Crater of Iliwerung	0604-25=
Lusitobe South (Lesser Sunda Is)	Crater of Iliwerung	0604-25=
Luxsar, Cerro (Bolivia)	Stratovolcano of Pampa Luxsar	1505-042
Lvinaya Past (Kuril Is)	Stratovolcano (1, -7480) Radiocarbon	**0900-041**
L'vinaya Pasti (Kuril Is)	Synonym of Lvinaya Past	0900-041
Lyeskov Island (Antarctica)	Synonym of Leskov Island	1900-12=
Lynces Crater (Australia)	Cone of Atherton Volc Province	.....
Lyngdalsheidi (Iceland-SW)	Shield volcano (None) Pleistocene	.....
Lynn, Mt. (Australia)	Cone of McBride Volc Province	.....
Lyons Peak (US-California)	Cone of Medicine Lake	1203-02-
Lysuhöll (Iceland-W)	Synonym of Helgrindur	1700-02=
Lysuhyrna (Iceland-W)	Vent of Helgrindur	1700-02=
Lysuskard (Iceland-W)	Synonym of Helgrindur	1700-02=
Lyzyk (Kamchatka)	Unknown (None) Pleistocene	.....

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Ma Alalta (Ethiopia)	Stratovolcano (None) Holocene	**0201-111**
Ma'a, Mt. (New Guinea)	Cone of Darai Hills	.....
Maalsom (Luzon-Philippines)	Thermal feature of Isarog	0703-042
Maanling (SE Asia)	Pyroclastic cone of Hainan Dao	0705-001
Maanshan (SE Asia)	Pyroclastic cone of Hainan Dao	0705-001
Maanshan (SE Asia)	Cinder cone of Tengchong	0705-11-
Maanshan (China-E)	Dome of Yitong Group	.....
Maar see proper name (e.g. Estivadoux, Maar D')		
Maasok (Luzon-Philippines)	Thermal feature of Cagua	0703-09=
Mabda (Ethiopia)	Dome of Dubbi	0201-10=
Mabilog, Mt. (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Mabollo Spring (Mindanao-Philippines)	Thermal feature of Apo	0701-03=
Mabuani (Africa-E)	Cone of Chyulu Hills	0202-13=
Maca (Chile-S)	Stratovolcano (1, 410) Radiocarbon	**1508-056**
Macanze, Cerro (El Salvador)	Cinder cone of Guazapa	1403-052
Macaque, Morne [Micotrin] (W Indies)	Dome of Trois Pitons, Morne	1600-10=
Macas, Volcan de (Ecuador)	Synonym of Sangay	1502-09=
Macauley Island (Kermadec Is)	Caldera (1, -4360) Radiocarbon	**0402-021**
Maccotta, Cuddia (Italy)	Shield volcano of Pantelleria	0101-071
Macdonald (Austral Is-C Pacific)	Submarine volcano (12, 1989) Historical	**1303-06-**
Macdougal (Mexico)	Maar of Pinacate	1401-001
Macey Cone (Indian O.-S)	Cone of Heard	0304-01=
Machekh (Kuril Is)	Crater of Grozny Group	0900-07=
Machekha [Machekh] (Kuril Is)	Crater of Grozny Group	0900-07=
Machin (Colombia)	Stratovolcano (?, 1180) Radiocarbon	**1501-04=**
Machioto (Africa-E)	Dome of SW Usangu Basin	0202-163
Machmel River (Canada)	Cone of Silverthrone	1200-16-
Machuca (Chile-N)	Synonym of Putana	1505-09=
Macico da Agualva [Guilherme Moniz]	Stratovolcano of Terceira	1802-05=
MacKenney (Guatemala)	Cone of Pacaya	1402-11=
Macolod (Luzon-Philippines)	Stratovolcano of Taal	0703-07=
Macon, Cerros de (Chile-N)	Stratovolcano of Purico Complex	1505-094
Macouba, Morne (W Indies)	Crater of Pelee	1600-12=
Macuturin (Macutusing) (Philippines)	Synonym of Makaturing	0701-04=
Madahraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Madarao (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Madden's Mount (W Indies)	Dome of Nevis Peak	1600-04=
Madeira (Azores)	Shield volcano (1, -4500) Radiocarbon	**1802-12-**

Ian Meiklejohn (Univ Pretoria)

Marion Island in the Indian Ocean, South Africa's only Holocene volcano, first erupted historically in 1980. The 1230-m-high island is dotted by about 150 cinder cones, smaller scoria cones, and coastal tuff cones.

Madeleine (W Indies)	Dome of Soufriere Guadeloupe	1600-06=
Madera, La (Nicaragua)	Synonym of Maderas	1404-13-
Maderas (Nicaragua)	Stratovolcano (Uncertain) Holocene	**1404-13-**
Madiena, Bukit [Bukit Keramat] (Indonesia)	Cone of Gamalama	0608-06=
Madiera (Azores)	Synonym of Madeira	1802-12-
Madilogo (New Guinea)	Pyroclastic cone (None) Holocene	**0503-004**
Madinah, Harrat [Harrat Rashid] (Arabia-W)	Volcanic field of Rahat, Harrat	0301-07=
Madrepore (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Madrón, El (Mexico)	Dome of Primavera, Sierra la	.....
Mae-dake (Ryukyu Is)	Dome of Kuchino-shima	0802-043
Mae-dake [Mayu-yama] (Kyushu-Japan)	Dome of Unzen	0802-10=
Maeeboshi-dake (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Maega-take (Honshu-Japan)	Stratovolcano of Adatara	0803-17=
Maekake-yama (Honshu-Japan)	Stratovolcano of Asama	0803-11=
Maelifell (Iceland-S)	Tuya of Hromundartindur	1701-051
Maelifellshraun (Iceland-S)	Fissure vent of Katla	1702-03=
Maenir (Iceland-SW)	Dome of Hofsjokull	1701-09=
Maer Volc Province (Australia)	Pyroclastic cones (None) Pleistocene	.....
Maestras, Las (Spain)	Maar of Calatrava Volc Field	0100-04-
Maetambe (Solomon Is-SW Pacific)	Unknown (None) Pleistocene?	.....
Mae-Tokachi-dake (Hokkaido-Japan)	Stratovolcano of Tokachi	0805-05=
Mae-yama (Honshu-Japan)	Dome of Numazawa	0803-151
Mafane (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Mafarem (Luzon-N of)	Synonym of Matarem	.....
Mafra, Pico de (Azores)	Cone of Sete Cidades	1802-08=
Mafura Craters (Africa-C)	Crater of Bunyaruguru	0203-004
Maga (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Maga Point (Samoa-SW Pacific)	Cone of Ofu-Olosega	0404-01=
Magadini (Africa-E)	Cone of Kilimanjaro	0202-15=
Magaso (Magasu) (Philippines-C)	Synonym of Cuernos de Negros	0702-01=
Magasu (Mindanao-Philippines)	Synonym of Ragang	0701-06=
Magdgo (Africa-C)	Crater of Bunyaruguru	0203-004
Magee Peak (US-California)	Stratovolcano (None) Pleistocene	.....
Mageik (Alaska Peninsula)	Stratovolcano (8, -500) Radiocarbon	**1102-15-**
Maggiore, Monte (Italy)	Cone of Sabatini Complex	.....
Magne, Cratere (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Magneto, El (Chile-S)	Cone of Cayutue-La Viguería	1508-012
Mago (Fiji Is-SW Pacific)	Scoria cones (None) Pleistocene	.....
Magolo (Mindanao-Philippines)	Cone of Matutum	0701-02=
Magrafil (Luzon-Philippines)	Thermal feature of Cagua	0703-09=
Magsuyuan (Mindanao-Philippines)	Dome of Paco	0701-09-
Ma-gu-li? [Makuli] (China-E)	Dome of Sung-Hua-Chiang	.....
Magusa-dake (Honshu-Japan)	Stratovolcano of Kurikoma	0803-21=
Maguskin (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Mahagnao (Philippines-C)	Stratovolcano (Uncertain) Fumarolic	**0702-07=**
Mahagnaw (Philippines-C)	Synonym of Mahagnao	0702-07=
Mahameru (Java)	Synonym of Semeru	0603-30=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Mahatua, Volcan (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Mahawoe (Sulawesi-Indonesia)	Synonym of Mahawu	0606-11=
Mahawu (Sulawesi-Indonesia)	Stratovolcano (7, 1977) Historical	**0606-11=**
Mahega (Africa-C)	Tuff cone of Katwe-Kikorongo	0203-003
Mahengetang (Sangihe Is-Indonesia)	Synonym of Banua Wuhu	0607-03=
Mahoe, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Mahokdum (Mindanao-Philippines)	Crater of Paco	0701-09-
Mahukona (Hawaiian Is)	Submarine volcano (None) Pleistocene	.....
Maichin, Cerro (Chile-C)	Stratovolcano (None) Pleistocene	.....
Maiden Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Maiden Peak (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Maidu (US-California)	Stratovolcano (None) Pleistocene	.....
Maile (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Maile, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Maillard (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Main Crater (Antarctica)	Crater of Erebus	1900-02=
Main Endeavour (Pacific-NE)	Thermal feature of Endeavour Ridge	1301-01-
Mainit [Maquiling] (Luzon-Philippines)	Stratovolcano of San Pablo Volc Field	0703-06=
Mainit Hot Springs (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
Maioro (Kuril Is)	Synonym of Medvezhia	0900-10=
Maipo (Chile-C)	Caldera (4, 1912) Historical	**1507-021**
Maipo (Chile-C)	Synonym of San Jose	1507-02=
Maipu (Chile-C)	Synonym of Maipo	1507-021
Maipu (Chile-C)	Synonym of San Jose	1507-02=
Maish Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Maitabi (Solomon Is-SW Pacific)	Synonym of Maetambe	.....
Maitambe (Solomon Is-SW Pacific)	Synonym of Maetambe	.....
Maitara (Halmahera-Indonesia)	Cone of Tidore	0608-061
Maitei (Africa-E)	Cone of Nyambeni Hills	0202-056
Maitland, Mount (W Indies)	Stratovolcano of St. Catherine	1600-17=
Majadas, Las (Guatemala)	Stratovolcano of Santa Maria	1402-03=
Majaijai (Luzon-Philippines)	Synonym of Banahaw	0703-05=
Majak (Russia-NE)	Dome of Balagan-Tas	.....
Majatepec, Volcan (Mexico)	Cinder cone San Sebastian Volc Field	.....
Majdel Shams (Syria)	Cone of Golan Heights	0300-03-
Maji ja Moto (Africa-C)	Synonym of May-ya-moto	0203-01=

Jaime Incer

The floor of Nicaragua's steep-sided Santiago crater of **Masaya** volcano is covered by recent lava flows that are cut by a small inner crater. Crater walls expose stacked lava flows, truncated lava lakes, and pyroclastic material erupted from earlier vents.

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Majitaka-yama (Honshu-Japan)	Dome of Oetaka-yama	.....
Majua, Montana (Canary Is)	Dome of Tenerife	1803-03-
Maka (Tonga-SW Pacific)	Submarine vent of Tafu-Maka	0403-12-
Makalia, Mt. (New Britain-SW Pac)	Shield volcano of Dakataua	0502-04=
Makanaka, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Makanru Island (Kuril Is)	Stratovolcano (None) Pleistocene	.....
Makanruru (Kuril Is)	Synonym of Brontona Island	.....
Makanrushi Islands (Kuril Is)	Synonym of Makanru Island	.....
Makara Mountain (Kamchatka)	Synonym of Kikhiikhylkhangei	.....
Makatiti (New Zealand)	Dome of Okataina	0401-05=
Makaturing (Mindanao-Philippines)	Stratovolcano (2, 1882) Historical	**0701-04=**
Makhahnas (Mariana Is-C Pacific)	Submarine vent of Farallon de Pajaros	0804-14=
Maklan (Halmahera-Indonesia)	Stratovolcano (8, 1988) Historical	**0608-07=**
Makiling [Maquiling] (Luzon-Philippines)	Stratovolcano of San Pablo Volc Field	0703-06=
Makiling, Mt. (Luzon-Philippines)	Stratovolcano of Taal	0703-07=
Makinku [Mwailo] (Africa-E)	Cone of Chyulu Hills	0202-13=
Makinoto (Kyushu-Japan)	Thermal feature of Kuju	0802-12=
Makjan (Halmahera-Indonesia)	Synonym of Makian	0608-07=
Makko-dai (Ryukyu Is)	Stratovolcano of Suwanose-jima	0802-03=
Maklaks Crater (US-Oregon)	Cinder cone of Crater Lake	1202-16-
Maklaks Mountain (US-Oregon)	Shield volcano of Maiden Peak	.....
Makome (Africa-C)	Dome of Fort Portal	0203-001
Makouchine (Aleutian Is)	Synonym of Makushin	1101-31-
Makua, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Makuli (China-E)	Dome of Sung-Hua-Chiang	.....
Makulot [Macolod] (Luzon-Philippines)	Stratovolcano of Taal	0703-07=
Makuopuhi (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Makura (Vanuatu-SW Pacific)	Cone of Emae	.....
Makushin (Aleutian Is)	Stratovolcano (19, 1995) Historical	**1101-31-**
Makushin Valley (Aleutian Is)	Thermal feature of Makushin	1101-31-
Makuwan-Chisappu (Hokkaido-Japan)	Dome of Kutcharo	0805-08=
Makuwan-Tisappu [Makuwan-Chisappu]	Dome of Kutcharo	0805-08=
Makwet (Africa-W)	Cone of Oku Volc Field	0204-03-
Makyan (Halmahera-Indonesia)	Synonym of Makian	0608-07=
Malabar (Java)	Stratovolcano (None) Holocene?	**0603-081**
Malabsing, Mt. (Luzon-N of)	Dome of Camiguin de Babuyanes	0704-01=
Malacara (Guatemala)	Cinder cone of Chingo	1402-17-
Malacara (Chile-C)	Tuff cone of Llancanelo Volc Field	.....
Malacara (El Salvador)	Stratovolcano of Santa Ana	1403-02=
Malacara (El Salvador)	Cinder cone of Singüil, Cerro	1403-002
Malacate, Cerro el (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Malagsom, Lake (Philippines-C)	Crater of Mahagnao	0702-07=
Malaia Semiachik (Kamchatka)	Synonym of Maly Semiachik	1000-14=
Malaia Udina [Malaya Udina] (Kamchatka)	Stratovolcano of Udina	1000-241
Malaja Katepana (Kamchatka)	Synonym of Malaya Ketepana	.....
Malala, Mount [Mt. Makalia] (New Britain)	Shield volcano of Dakataua	0502-04=
Malanda (Australia)	Cone of Atherton Volc Province	.....
Malang (Java)	Crater of Tangkubanparahu	0603-09=
Malang Ii, Gunung (Java)	Cone of Slamet	0603-18=
Malang Plain (Java)	Maars (None) Holocene	**0603-292**
Malang, Gunung (Java)	Cone of Slamet	0603-18=
Malaspina (Philippines-C)	Synonym of Kanlaon	0702-02=
Malaya Ipelka (Kamchatka)	Complex volcano (None) Pleistocene	.....
Malaya Ketepana (Kamchatka)	Shield volcano (None) Pleistocene	.....
Malaya Ploskaya [Krestovsky] (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Malaya Udina (Kamchatka)	Stratovolcano of Udina	1000-241
Malenkiy (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Malenky (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Malen'ky (Kamchatka)	Cone of Bolshoi Semiachik	1000-15=
Malepunyo (Luzon-Philippines)	Stratovolcano (None) Pleistocene	.....
Malespina (Philippines-C)	Synonym of Kanlaon	0702-02=
Maletto, Monte (Italy)	Cinder cone of Etna	0101-06=
Malgretoute (W Indies)	Dome of Qualibou	1600-14=
Malha (Africa-N)	Maar of Meidob Volc Field	0205-05-
Malheur Maar (US-Oregon)	Maar of Diamond Craters	1202-17-
Malil (Bolivia)	Stratovolcano of Ocaña	.....
Malinao (Luzon-Philippines)	Stratovolcano (None) Pleist -Fumarolic	.....
Malinche, Cerro de la (Mexico)	Cone of San Borja Volc Field	1401-007
Malinche, La (Mexico)	Stratovolcano (7, ~1170) Radiocarbon	**1401-091**
Malindang (Mindanao-Philippines)	Stratovolcano (None) Holocene	**0701-071**
Malindig (Luzon-Philippines)	Stratovolcano (None) Hot Springs	**0703-044**
Maling (Sulawesi-Indonesia)	Unknown (None) Quaternary	.....
Malingtang (Sumatra)	Synonym of Melintang	.....
Malintang (Sumatra)	Stratovolcano (None) Holocene	**0601-121**
Maliota (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Malisbog (Philippines-C)	Thermal feature of Silay	0702-04=
Malishi (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Malitawan (Philippines-C)	Stratovolcano of Biliran	0702-08=
Malja Glat (Greece)	Dome of Methana	0102-02=
Malja Khoriou (Greece)	Dome of Methana	0102-02=
Malja Skurti (Greece)	Dome of Methana	0102-02=
Maljsa (Greece)	Dome of Methana	0102-02=
Mallahle (Ethiopia)	Stratovolcano (None) Holocene?	**0201-102**
Mallali (Ethiopia)	Synonym of Mallahle	0201-102
Mallard Lake (US-Wyoming)	Dome of Yellowstone	1205-01-
Mallola, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Malo (New Britain-SW Pac)	Cone of Lolobau	0502-13=
Malo, Passo (Italy)	Vent of Stromboli	0101-04=
Malobago (Luzon-Philippines)	Dome of Bulusan	0703-01=
Malobu, Mount [Malopu] (New Britain)	Cone of Sulu Range	0502-09=
Maloepang Magiwe [Malupang Magiwe]	Crater of Dukono	0608-01=
Maloepang Wariang [Malupang Wariang]	Stratovolcano of Dukono	0608-01=
Malopu, Mount (New Britain-SW Pac)	Cone of Sulu Range	0502-09=
Malpais (Mexico)	Synonym of Michoacan-Guanajuato	1401-06=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Mauga Silisili (Samoa-SW Pacific)	Cinder cone of Savai'i	0404-04=
Maugaloa (Samoa-SW Pacific)	Pyroclastic cone of Savai'i	0404-04=
Mauga-o-Savai'i (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Maughan, Lake (Mindanao-Philippines)	Synonym of Parker	0701-011
Maui, Puu O (Hawaiian Is)	Cone of Haleakala	1302-06-
Mauku (New Zealand)	Cone of South Auckland	.....
Maule, Domos del (Chile-C)	Dome of Maule, Laguna del	1507-061
Maule, Laguna del (Chile-C)	Caldera (None) Holocene	**1507-061**
Mauna Haleakala (Hawaiian Is)	Synonym of Haleakala	1302-06-
Mauna Hina (Hawaiian Is)	Cone of Haleakala	1302-06-
Mauna Iki (Hawaiian Is)	Shield volcano of Kilauea	1302-01-
Mauna Kea (Hawaiian Is)	Shield volcano (6, -2460) Radiocarbon	**1302-03-**
Mauna Loa (Hawaiian Is)	Shield volcano (109, 1984) Historical	**1302-02=**
Mauna Loa (Hawaiian Is)	Synonym of West Molokai	.....
Mauna Ulu (Hawaiian Is)	Shield volcano of Kilauea	1302-01-
Maunga (Polynesian for Mt.) see proper name (e.g. Kuma, Maunga)		
Maungaiti (New Zealand)	Dome of Maroa	0401-061
Maungakakaramea (New Zealand)	Cone of Okataina	0401-05=
Maungakaramea (New Zealand)	Cone of Whangarei	0401-011
Maungakawakawa (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Maungaku (New Zealand)	Stratovolc. Northern Tongariro Group	.....
Maunganamu (New Zealand)	Dome of Taupo	0401-07=
Maungaongaonga (New Zealand)	Cone of Okataina	0401-05=
Maungataketake (New Zealand)	Cone of Auckland Field	0401-02=
Maungatapere (New Zealand)	Cone of Whangarei	0401-011
Maungaturoto (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Maunu (New Zealand)	Cone of Whangarei	0401-011
Mauras, Cerro (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Maurelle Island of 1781 ? (Tonga-SW Pacific)	Synonym of Metis Shoal	0403-07=
Maurice and Katia Krafft Crater (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Mauritius (Indian O.-W)	Shield volcano (None) Pleistocene	.....
Mavahlidargigir (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Mavro Vouni (Greece)	Dome of Milos	0102-03=
Mavros Kavos (Greece)	Dome of Milos	0102-03=
Mawenzi (Africa-E)	Stratovolcano of Kilimanjaro	0202-15=
Mawra Cremna (Greece)	Thermal feature of Milos	0102-03=
Maxwell Butte (US-Oregon)	Shield volcano of Three Fingered Jack	.....
Mayabobo (Luzon-Philippines)	Cone of Banahaw	0703-05=
Mayal, Cerro [Volcan Sillanegra] (Argentina)	Pyroclastic cone Cochiquito Volc Group	1507-071
Maye-yama [Mayu-yama] (Kyushu-Japan)	Dome of Unzen	0802-10=
Mayon (Luzon-Philippines)	Stratovolcano (59, 2010) Historical	**0703-03=**
Mayondon Point (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Mayor Island (New Zealand)	Shield volcano (2, -5060) Radiocarbon	**0401-021**
Mayor, Pico (Guatemala)	Synonym of Acatenango	1402-08=
Mayotepe, Cerro [Cerro Moyotepe] (Nica.)	Stratovolcano of San Cristobal	1404-02=
Mayotte Island (Indian O.-W)	Shield volcano (None) Pleistocene	.....
Mayugata (Hokkaido-Japan)	Crater of Komaga-take	0805-02=
Mayu-yama (Kyushu-Japan)	Dome of Unzen	0802-10=
May-ya-moto (Africa-C)	Fumarole field (None) Fumarolic	**0203-01=**
Mazama, Mt. (US-Oregon)	Synonym of Crater Lake	1202-16-
Mazatepec (Mexico)	Cone of Chichinautzin	1401-08=
Mazatepec, Cerro (Mexico)	Cone of Acatlan Volc Field	.....
Mazhang (SE Asia)	Cone of Leizhou Bandao	0705-01-
Mazik Dagi (Turkey)	Dome of Nemrut Dagi	0103-02=
Mazo, Mount (Mexico)	Cinder cone of San Quintin Volc Field	1401-002
Mazo, Volcan de [Caldera Roja de Mazo]	Cinder cone of Lanzarote	1803-06-
Mazrub, Jebel (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Maztaloya (Mexico)	Cone of Humeros, Los	1401-093
Mazzacaruso, Monte (Italy)	Stratovolcano of Lipari	0101-042
Mbaniata (Solomon Is-SW Pacific)	Stratovolcano (None) Post-Miocene	.....
Mbareke (Solomon Is-SW Pacific)	Stratovolcano (None) Pleistocene	.....
Mbati (Africa-C)	Cone of Nyiragongo	0203-03=
Mbatnou (Africa-W)	Cone of Oku Volc Field	0204-03-
Mbenumbenu (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Mborokua (Solomon Is-SW Pacific)	Stratovolcano (None) Post-Miocene	.....
Mborukua (Solomon Is-SW Pacific)	Synonym of Mborokua	.....
Mbuelesu [Mbwelesu] (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=
Mbuga (Africa-C)	Maar of Katwe-Kikorongo	0203-003
Mbuyuni (Africa-E)	Cone of Kilimanjaro	0202-15=
Mbuzi (Africa-C)	Tuff cone of Fort Portal	0203-001
Mbwelesu (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=
Mcall Kop (Indian O.)	Cone of Prince Edward Island	0304-06-
McBride Volc Province (Australia)	Shield volcanoes (None) Pleistocene	.....
McCartys (US-New Mexico)	Fissure vent of Zuni-Bandera	1210-02-
Mccauley Spring (US-New Mexico)	Thermal feature of Valles Caldera	.....
Mcconnell Creek Volc Province (Canada)	Synonym of Hogum Range	.....
Mccormick Island (Antarctica)	Cone of Adare Peninsula	.....
McCoy (US-Colorado)	Scoria cones (None) Pleistocene	.....
Mcculloch Peak (Aleutian Is)	Former dome of Bogoslof	1101-30-
McDonald Islands (Indian O.-S)	Complex volcano (4, 2005) Historical	**0304-011**
Mcintyre, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
McKay Butte (US-Oregon)	Dome of Newberry	1202-11-
Mckee (SW Pacific)	Cone of Wallis Islands	0404-05-
Mckenzie Butte (US-California)	Dome of Shasta	1203-01-
Mckenzie Highway Lava Field (US-Oregon)	Synonym of Belknap	1202-06-
Mckinney Butte (US-Idaho)	Cone of Shoshone Lava Field	1204-01-
Mclean Volc Province (Australia)	Scoria cones (None) Pleistocene	.....
Mclennan's Hill (New Zealand)	Cone of Auckland Field	0401-02=
Mcleod Hill (Canada)	Tuya of Wells Gray-Clearwater	1200-15-
McLoughlin (US-Oregon)	Stratovolcano (None) Pleistocene	.....
Mcloughlin's Hill [Matukurua] (New Zealand)	Cone of Auckland Field	0401-02=
Mcmasters, Mt. (Australia)	Cone of McBride Volc Province	.....
Mcnish Bay Cone (Indian O.)	Tuff cone of Prince Edward Island	0304-06-
Meager (Canada)	Complex volcano (1, -400) Radiocarbon	**1200-18-**
Meager Creek Hot Spring (Canada)	Thermal feature of Meager	1200-18-
Meager Creek Volc Field (Canada)	Synonym of Meager	1200-18-
Me-Akan (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Meanguera, Isla (El Salvador)	Stratovolcanoes (None) Quaternary	.....
Me-dake (Honshu-Japan)	Cone of Akita-Komaga-take	0803-23=
Medam, Jabal (Arabia-S)	Crater of Arhab, Harra of	0301-09-
Medaw Island (SE Asia)	Fissure vents (None) Pleistocene	.....
Media Luna (Panama)	Cinder cone of Yeguada, La	.....
Media Luna, La (Nicaragua)	Cinder cone of Masaya	1404-10=
Media Luna, Volcan (Chile-C)	Cone of Carran-Los Venados	1507-14=
Media Montaña (Canary Is)	Cone of Tenerife	1803-03-
Medicine Lake (US-California)	Shield volcano (9, 1080) Radiocarbon	**1203-02-**
Medicine Lake Highland (US-California)	Synonym of Medicine Lake	1203-02-
Medina, Harrat el- [Harrat Rashid] (Arabia-W)	Volcanic field of Rahat, Harrat	0301-07=
Medio, Cerro del [Quizapu] (Chile-C)	Crater of Azul, Cerro	1507-06=

Lee Siebert (Smithsonian)

Laguna Grande de Mojanda occupies the caldera of **Mojanda** volcano, one of the largest volcanoes of Ecuador's northern Interandean Depression.

Medio, Cerro el (Chile-C)	Cone of Calabozos	1507-042
Medio, Cerro El (US-New Mexico)	Dome of Valles Caldera	.....
Medio, Del (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Medja [Pui] (Lesser Sunda Is)	Cone of Iya	0604-11=
Mednyi (Kuril Is)	Stratovolcano of Tao-Rusyr Caldera	0900-31=
Medves (Hungary)	Vent of Nograd	.....
Medvevezhy (Kamchatka)	Stratovolcano of Leutongey	1000-53-
Medvezhia (Kuril Is)	Somma volcano (5, 1999) Historical	**0900-10=**
Medvezhii (Kuril Is)	Synonym of Medvezhia	0900-10=
Medvezhii (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Meehaz Mountain (Canada)	Cone of Kawdy Metah	.....
Meerfelder (Germany)	Maar of West Eifel Volc Field	0100-01-
Meetia (Society Is-C Pacific)	Synonym of Mehetia	1303-04-
Mega Basalt Field (Ethiopia)	Pyroclastic cones (None) Holocene	**0201-33-**
Megalo Vouno (Greece)	Cinder cone of Santorini	0102-04=
Megalos Polybotes [Polyvotis Megalos]	Vent of Nisyros	0102-05=
Megata (Honshu-Japan)	Maars (2, -2050) Tephrochronology	**0803-262**
Mehetia (Society Is-C Pacific)	Stratovolcano (Uncertain) Anthropology	**1303-04-**
Meidob Volc Field (Africa-N)	Scoria cones (6, -2950) Holocene	**0205-05-**
Meiji-Shinzan (Hokkaido-Japan)	Dome of Usu	0805-03=
Meinhuahsu (Taiwan)	Synonym of Mienhuayu	.....
Meizi-Sinzan [Meiji Shinzan] (Japan)	Dome of Usu	0805-03=
Meja [Pui] (Lesser Sunda Is)	Cone of Iya	0604-11=
Meke Dag (Turkey)	Cone of Karapinar Field	0103-001
Mekegolu (Turkey)	Crater of Karapinar Field	0103-001
Mekeobruk (Turkey)	Crater of Karapinar Field	0103-001
Meketia (Society Is-C Pacific)	Synonym of Mehetia	1303-04-
Mekuninai (Hokkaido-Japan)	Cone of Niseko	0805-031
Mekunnai-dake (Hokkaido-Japan)	Cone of Raiden	.....
Melalo, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Melamete (Africa-W)	Cone of Cameroon	0204-01=
Melan Oros (Arabia-S)	Synonym of Sawad, Harra es-	0301-16-
Melaten, Gunung (Java)	Cone of Ijen	0603-35=
Melayu, Bukit (Halmahera-Indonesia)	Cone of Gamalama	0608-06=
Melbourne (Antarctica)	Stratovolcano (1, 1750) Tephrochron	**1900-015**
Melholl (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Melholl (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Melimoto (Melimoya) (Chile-S)	Synonym of Melimoyu	1508-052
Melimoyu (Chile-S)	Stratovolcano (2, 200) Radiocarbon	**1508-052**
Melintang (Sumatra)	Stratovolcano (None) Quaternary	.....
Melkum, Mt. (Vanuatu-SW Pacific)	Stratovolcanoes (None) Pleistocene	.....
Melon, Volcan (Mexico)	Dome of Mascota Volc Field	1401-031
Melon, Volcan el (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Melon, Volcan el (Mexico)	Cinder cone San Sebastian Volc Field	.....
Melrakkahraun (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Meluak (Sumatra)	Cone of Kembar	.....
Melville (Antarctica)	Stratovolcano (None) Quaternary	.....
Melvin Butte (US-Oregon)	Dome of Tumalo	.....
Menan Buttes (US-Idaho)	Tuff cones (None) Pleistocene	.....
Mencenares, Cerro (Mexico)	Lava domes (None) Pleistocene	.....
Mencheca (Chile-C)	Stratovolcano Puyehue-Cordon Caulle	1507-15=

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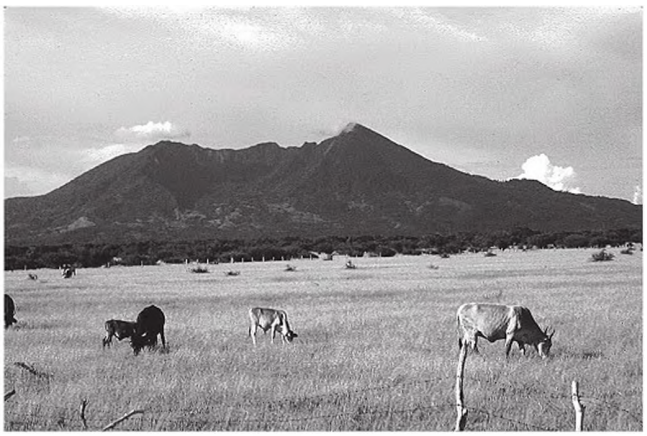
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Menco, Cerro el (Nicaragua)	Cone of Zapatera	1404-111
Mendana (Santa Cruz Is-SW Pacific)	Cone of Tinakula	0506-01=
Mendeleev (Kuril Is)	Stratovolcano (2, 1880) Historical	**0900-02=**
Mendeleyev (Kuril Is)	Synonym of Mendeleev	0900-02=
Menengai (Africa-E)	Shield volcano (2, -6050) Tephrochron	**0202-06=**
Menjer (Java)	Crater of Dieng Volc Complex	0603-20=
Menmarubi (Honshu-Japan)	Vent of Fuji	0803-03=
Menner (Kamchatka)	Shield volcano of Gamchen	1000-21=
Menshiy Brat [Menshoi Brat] (Kuril Is)	Dome of Medvezhia	0900-10=
Menshoi Brat (Kuril Is)	Dome of Medvezhia	0900-10=
Mentolat (Chile-S)	Stratovolcano (2, 1710) Historical	**1508-054**
Menuma (Honshu-Japan)	Crater of Azuma	0803-18=
Mera Lava (Vanuatu-SW Pacific)	Synonym of Mere Lava	0507-021
Merah, Danau (Sumatra)	Crater of Sorikmarapi	0601-12=
Meralab (Vanuatu-SW Pacific)	Synonym of Mere Lava	0507-021



Jaime Incer

The irregular summit of Nicaragua's **Mombacho** volcano resulted from edifice collapse, which left the horseshoe-shaped depression in the center of the photo and produced a large debris avalanche, one of several such events at the volcano.

Merapi (Java)	Stratovolcano of Ijen	0603-35=
Merapi (Sumatra)	Synonym of Marapi	0601-14=
Merapi (Java)	Stratovolcano (99, 2007) Historical	**0603-25=**
Merbaboe (Java)	Synonym of Merbabu	0603-24=
Merbabu (Java)	Stratovolcano (2, 1797) Historical	**0603-24=**
Merbuk (Lesser Sunda Is)	Unknown (None) Quaternary	.....
Mercadel, Montaña de (Canary Is)	Cinder cone of Hierro	1803-02-
Mercedes, Cerro las (Costa Rica)	Cinder cone (None) Pleistocene	.....
Mercer (New Zealand)	Tuff ring of South Auckland	.....
Mercimek Tepe (Turkey)	Cone of Acigol-Nevsehir	0103-004
Mercoeur, Puy de (France)	Cone of Chaine des Puys	0100-02-
Mercury Islands (New Zealand)	Volcanic field (None) Pleistocene	.....
Merdada (Java)	Cone of Dieng Volc Complex	0603-20=
Merdodo [Merdada] (Java)	Cone of Dieng Volc Complex	0603-20=
Mere Lava (Vanuatu-SW Pacific)	Stratovolcano (Uncertain) Holocene	**0507-021**
Mere, Wai (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Meremberg (Colombia)	Stratovolcano of Unnamed	.....
Mergi, Gunung (Java)	Cone of Ungaran	0603-23=
Merig (Vanuatu-SW Pacific)	Stratovolcano (None) Pleistocene	.....
Merker Kegel [Ash Cone] (Africa-E)	Cone of Meru	0202-16=
Merkurhraun (Iceland-S)	Fissure vent of Torfajokull	1702-05=
Merrem Peak (Antarctica)	Caldera of Berlin	1900-022
Merriam Cone (US-Oregon)	Cinder cone of Crater Lake	1202-16-
Merriam Cone (US-Arizona)	Cone of San Francisco Volc Field	.....
Merriam Point (US-Oregon)	Dome of Crater Lake	1202-16-
Mersidat (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Meru (Africa-E)	Stratovolcano (4, 1910) Historical	**0202-16=**
Merubai (Sumatra)	Unknown (None) Post-Miocene	.....
Mesa (Argentina)	Stratovolc. of Northern Mendoza Field	.....
Mesa Chivato (US-New Mexico)	Cone of Taylor Volc Field	.....
Mesa de Huanarucua (Mexico)	Lava cone of Michoacan-Guanajuato	1401-06=
Mesa de San Jeronimo (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Mesa de Zirimondiro (Mexico)	Lava cone of Michoacan-Guanajuato	1401-06=
Mesa el Bosque (Mexico)	Dome of Azufres, Los	.....
Mesa el Burro (Mexico)	Dome of Primavera, Sierra la	.....
Mesa el Carpintero (Mexico)	Dome of Azufres, Los	.....
Mesa el Chiquihuitillo (Mexico)	Dome of Primavera, Sierra la	.....
Mesa el Leon (Mexico)	Dome of Primavera, Sierra la	.....
Mesa el Majaguate [Mesa el Najahuete]	Dome of Primavera, Sierra la	.....
Mesa el Najahuete (Mexico)	Dome of Primavera, Sierra la	.....
Mesa el Rosario (Mexico)	Dome of Azufres, Los	.....
Mesa la Lobera (Mexico)	Dome of Primavera, Sierra la	.....
Mesa Nevada de Herveo (Colombia)	(None) Not a Volcano	1501-01=
Mesa, Cerro de La (Luzon-Philippines)	Tuff cone of San Pablo Volc Field	0703-06=
Mesa, La (Mexico)	Cone of Chichinautzin	1401-08=
Mesa, La (Panama)	Pleistocene caldera of Valle, El	1406-03-
Mesah (Banda Sea)	Synonym of Teon	0605-05=
Mesaka (Honshu-Japan)	Cinder cone of Kannabe	.....
Mesas, Cerro las (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Mesas, Volcan las (Mexico)	Dome of Mascota Volc Field	1401-031

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Meseta (Guatemala)	Stratovolcano of Fuego	1402-09=
Meso-Semiachik (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Mess Creek Hot Spring (Canada)	Thermal feature of Spectrum Range	1200-07-
Mess Lake Hot Springs (Canada)	Thermal feature of Spectrum Range	1200-07-
Mess Lake Lava Field (Canada)	Vent of Spectrum Range	1200-07-
Mesurai-Ulu Nino (Sumatra)	Unknown (None) Post-Miocene	.....
Meszah Peak (Canada)	Cone of Level Mountain	1200-05-
Metahag Creek Ne (Canada)	Tuya of Kawdy Metah	.....
Metahag Creek Nw (Canada)	Tuya of Kawdy Metah	.....
Metate, Cerro el (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Metcalf Domes (Aleutian Is)	Former dome of Bogoslof	1101-30-
Metepec (Mexico)	Cone of Chichinautzin	1401-08=
Methana (Greece)	Lava domes (1, -258) Historical	**0102-02=**
Metis Shoal (Tonga-SW Pacific)	Submarine volcano (9, 1995) Historical	**0403-07=**
Metlalcueyatle (Mexico)	Synonym of Malinche, La	1401-091
Metrogoon Lake (Aleutian Is)	Synonym of Fisher	1101-35-
Mets Tsouglioukh (Armenia)	Cone of Ghegam Ridge	0104-07-
Meugeurinceng (Sumatra)	Fissure vents (None) Pleistocene	.....
Mey, Puy de (France)	Cone of Chaîne des Puys	0100-02-
Meyers Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Mezarliktepe (Turkey)	Cone of Nemrut Dagi	0103-02=
Mezhdusopochny (Kamchatka)	Shield volcano (None) Holocene?	**1000-57-**
Mfomben (Africa-W)	Cone of Oku Volc Field	0204-03-
Mgahinga [Gahinga] (Africa-C)	Cone of Muhavura	0203-06-
Miantianshan (Taiwan)	Dome of Tatun Group	0801-032
Michael (Antarctica)	Stratovolcano (12, 2006) Historical	**1900-09=**
Michico, Cerro (Argentina)	Cone of Tromen	1507-072
Michincha, Cerro (Chile-N)	Stratovolcano of Olca-Paruma	1505-05=
Michinmahuida (Michinmavida) (Chile-S)	Synonym of Minchinmavida	1508-04=
Michoacan-Guanajuato (Mexico)	Cinder cones (7, 1952) Historical	**1401-06=**
Micos, Cerro de los (El Salvador)	Dome of Ilopango	1403-06=
Micotrin (W Indies)	Dome of Trois Pitons, Morne	1600-10=
Micros Polybotes [Polyvotis Micros] (Greece)	Vent of Nisyros	0102-05=
Microthebe (Greece)	Dome of Volos-Atalanti	.....
Mida, Cuddia (Italy)	Vent of Pantelleria	0101-071
Midagahara (Honshu-Japan)	Synonym of Tate-yama	0803-08=
Midashi-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Middle Gobi (Mongolia)	Cinder cones (None) Holocene?	**1003-05-**
Middle Hill (Australia)	Cone of McBride Volc Province	.....
Middle Hill [Mt. Patukio] (Solomon Is)	Cone of Simbo	0505-05=
Middle Range (W Indies)	Stratovolcano of Liamuiga	1600-03=
Middle Sister (US-Oregon)	Stratovolcano of North Sister Field	1202-07-
Midfell (Iceland-S)	Tuya of Hrómundartindur	1701-051
Midhdalsjokull (Iceland-S)	Synonym of Katla	1702-03=
Midkvislarhraun (Iceland-S)	Fissure vent of Katla	1702-03=
Midori (Honshu-Japan)	Cinder cone of Kannabe	.....
Midori (Honshu-Japan)	Cinder cone of Ogino-Sen	.....
Midori (Kuril Is)	Synonym of Zavaritzki Caldera	0900-18=
Midoriga-ike (Honshu-Japan)	Crater of Haku-san	0803-05=
Midoriiko (Kuril Is)	Synonym of Zavaritzki Caldera	0900-18=
Midskalarheidarhraun (Iceland-S)	Fissure vent of Eyjafjallajokull	1702-02=
Mienhuayu (Taiwan)	Stratovolcano (None) Pleistocene	.....
Mie-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Migong Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Migong Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Migululu (Africa-E)	Cone of Chyulu Hills	0202-13=
Mihaga (Africa-C)	Cone of Nyamuragira	0203-02=
Mihara (Izu Is-Japan)	Pleistocene caldera of Hachijo-jima	0804-05=
Miharashi-yama (Honshu-Japan)	Dome of Akagi	0803-13=
Mihara-yama (Izu Is-Japan)	Cone of Oshima	0804-01=
Mihonga (Africa-C)	Cone of Nyamuragira	0203-02=
Mihunzheng (China-E)	Cinder cone of Jingbo	1005-04-
Mi-ike (Kyushu-Japan)	Maar of Kirishima	0802-09=
Miike-dake (Honshu-Japan)	Dome of Hiuchi	0803-131
Mikage-san (Honshu-Japan)	Synonym of Fuji	0803-03=
Mikami-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Mikasa-yama (Honshu-Japan)	Stratovolcano of On-take	0803-04=
Mikeno (Africa-C)	Stratovolcano (None) Pleistocene	.....
Mikombe (Africa-C)	Cone of Nyamuragira	0203-02=
Mikros Polybotes [Polyvotis Micros] (Greece)	Vent of Nisyros	0102-05=
Mikura-jima (Izu Is-Japan)	Stratovolcano (2, -4100) Tephrochron	**0804-041**
Mikurigaike (Honshu-Japan)	Crater of Tate-yama	0803-08=
Milbanke Sound Group (Canada)	Cinder cones (None) Holocene	**1200-12-**
Milky River (Aleutian Is)	Thermal feature of Atka	1101-16-
Miller Knoll (US-Utah)	Cone of Markagunt Plateau	1207-04-
Milliri, Cerro (Chile-N)	Cone of Copa, Cerro	.....
Milne (Kuril Is)	Somma volcano (None) Holocene	**0900-161**
Milos (Greece)	Stratovolcanoes (1, 140) Radiocarbon	**0102-03=**
Milt's Pond Hot Springs (US-Washington)	Thermal feature of St. Helens	1201-05-
Milu Tatu (Africa-E)	Cone of Nyambeni Hills	0202-056
Mimata-yama (Kyushu-Japan)	Dome of Kuju	0802-12=
Mimot (SE Asia)	Cone of Snoul	.....
Mina Azufral (Galapagos)	Thermal feature of Negra, Sierra	1503-05=
Mina, Volcan la (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Minabul (Luzon-N of)	Cone of Camiguin de Babuyanes	0704-01=
Minakami (Honshu-Japan)	Lava dome (None) Pleistocene	.....
Minami Kasuga (Volcano Is-Japan)	Submarine volcano (None) Holocene	**0804-135**
Minami-Chirippu [Bogdan Khmelnitskii]	Stratovolcano of Chirip	0900-09=
Minami-dake (Hokkaido-Japan)	Stratovolcano of Akan	0805-07=
Minami-dake (Kyushu-Japan)	Stratovolcano of Sakura-jima	0802-08=
Minami-dake (Hokkaido-Japan)	Crater of Shiretoko-Iwo-zan	0805-09=
Minami-Gassan (Honshu-Japan)	Stratovolcano of Nasu	0803-15=
Minami-Hiyoshi (Volcano Is-Japan)	Submarine volcano (1, 1975) Historical	**0804-131**
Minami-Hiyoshi Kaizan (Volcano Is-Japan)	Synonym of Minami-Hiyoshi	0804-131

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Monowai Seamount (Kermadec Is)	Submarine volcano (20, 2008) Historical	**0402-05-**
Monpeloso (Italy)	Cinder cone of Etna	0101-06=
Monpilieri, Monte (Italy)	Cinder cone of Etna	0101-06=
Mons Gibel Ullamat (Italy)	Synonym of Etna	0101-06=
Monserrat, Cerro (Chile-C)	Stratovolcano of Tinguiririca	1507-03=
Moni, Montagne, Montana, Monte, Morne, Mount, Mt. see proper name		
Montagnola, La (Italy)	Dome of Amiata	.....
Montagnola, La (Italy)	Cinder cone of Etna	0101-06=
Montagnone-Maschiata (Italy)	Dome of Ischia	0101-03=
Montagu Island (Antarctica)	Shield volcano (1, 2007) Historical	**1900-081**
Montalto (Italy)	Dome of Vico-Cimino Complex	.....
Montanha (Azores)	Stratovolcano of Pico	1802-02=
Montanosa, Cerro la (Costa Rica)	Stratovolcano of Miravalles	1405-03=
Montchal, Puy de (France)	Cone of Chaine des Puys	0100-02-
Montchatre, Maar de (France)	Maar of Chaine des Puys	0100-02-
Montchier, Puy (France)	Cone of Chaine des Puys	0100-02-
Montcineyre, Puy de (France)	Cone of Chaine des Puys	0100-02-
Monte, Cerro de (Nicaragua)	Dome of Lajas, Las	1404-133
Monte, Cuddia del (Italy)	Cone of Pantelleria	0101-071
Montecchio (Italy)	Dome of Vico-Cimino Complex	.....
Montefiascone (Italy)	Cone of Vulsini	0101-003
Montenard, Puy de (France)	Cone of Chaine des Puys	0100-02-
Monterosa (Italy)	Submarine vent of Lipari	0101-042
Montezuma, Cerro (Costa Rica)	Stratovolcano of Tenorio	1405-031
Montgy, Puy de (France)	Cone of Chaine des Puys	0100-02-
Monticelli (Italy)	Crater of Campi Flegrei	0101-01=
Monticulo Cineritico (Mexico-Is)	Tuff cone of Bárcena	1401-02=
Montione, Mt. (Italy)	Cone of Vulsini	0101-003
Montjugeat, Puy de (France)	Cone of Chaine des Puys	0100-02-
Montolivet, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Monton de Trigo (Chile-S)	Crater of Osorno	1508-01=
Montoso, Cerro (Nicaragua)	Cinder cone of Masaya	1404-10=
Montoso, Cerro (Nicaragua)	Stratovolcano of Momotombo	1404-09=
Montoso, Cerro (Nicaragua)	Cone of Telica	1404-04=
Montsacopa, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Montuso (Colombia)	Pyroclastic cone San Augustin-Isnos	.....
Monumento (Atlantic-C)	Dome of Trindade	1805-051
Moolort, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Moon Crater (Mexico)	Maar of Pinacate	1401-001
Moorea (Pacific-C)	Shield volcano (None) Pleistocene	.....
Moorookyle, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Mora Volc Field (US-New Mexico)	Synonym of Ocate	.....
Morabu (Africa-C)	Crater of Bunyaruguru	0203-004
Morado (Argentina)	Stratovolc. of Northern Mendoza Field	.....
Morado (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Morado (Argentina)	Cinder cone of Unnamed	.....
Morados Grandes, Los (Argentina)	Cone of Payún Matru	1507-066
Moraine (Canada)	Cone of Edziza	1200-06-
Morazan (Costa Rica)	Shield volcano of Sierpe, Lomas de	.....
More, Crater (New Britain-SW Pac)	Crater of Garove	0502-03=
Morera, Loma (Costa Rica)	Cinder cone of Platanar	1405-034
Morgabim, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Morgan Hot Springs (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Morgan Mountain (US-California)	Dome of Maidu	.....
Moriyoshi (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Morlupo-Castelnuovo di Porto (Italy)	Cone of Sabatini Complex	.....
Morning, Mt. (Antarctica)	Shield volcano (None) Holocene	**1900-020**
Moro (Halmahera-Indonesia)	Crater of Ibu	0608-03=
Moro, Cuddia del (Italy)	Shield volcano of Pantelleria	0101-071
Morro (Chile-C)	Therm. feature Puyehue-Cordón Caulle	1507-15=
Morro de Azufre (Chile-C)	Synonym of Tinguiririca	1507-03=
Morro de las Atalayas (Canary Is)	Cone of Lanzarote	1803-06-
Morro Desconhecido (Atlantic-C)	Dome of Trindade	1805-051
Morro Vermelho (Atlantic-C)	Cone of Trindade	1805-051
Morro, El (Chile-S)	Crater of Osorno	1508-01=
Morro, El (Colombia)	Pyroclastic cone of Unnamed	.....
Mortero, El (Spain)	Maar of Calatrava Volc Field	0100-04-
Morucu (Ecuador)	Dome of Cotopaxi	1502-05=
Morzhovoi (Alaska Peninsula)	Stratovolcano of Frosty	1102-01-
Morzhovoi (Alaska Peninsula)	Stratovolcano (None) Pleistocene	.....
Mos (Azores)	Cone of Agua de Pau	1802-09=
Mosakiti-yama (Kuril Is)	Synonym of Ebeko	0900-38=
Mosbruch (Germany)	Maar of West Eifel Volc Field	0100-01-
Mosenberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Moses (Aleutian Is)	Synonym of Shishaldin	1101-36-
Moses, Mount (Antarctica)	Stratovolcano of Hudson Mountains	1900-028
Moshkovskaya (Kamchatka)	Synonym of Mashkovtsev	1000-001
Mosimus, Mt. (Luzon-Philippines)	Twin volcano of Ambalatungan Group	0703-088
Mosonik (Africa-E)	Stratovolcano (None) Pliocene	.....
Mosquito Mound (Canada)	Tuya of Wells Gray-Clearwater	1200-15-
Mosquito Mountain (W Indies)	Dome of Diablotins, Morne	1600-09=
Mosquito, Cerro el (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Mostaza, Montaña (Canary Is)	Cinder cone of Tenerife	1803-03-
Mostyn (New Guinea-W)	Fissure vents? (None) Quaternary	.....
Mota (Vanuatu-SW Pacific)	Stratovolcano (None) Pleistocene	.....
Mota Lava (Vanuatu-SW Pacific)	Synonym of Motlav	0507-001
Motastepe, Cerro (Nicaragua)	Cinder cone of Nejapa-Miraflores	1404-092
Mother Goose (Alaska Peninsula)	Thermal feature of Chiginagak	1102-11-
Mother, the [Kombiu] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Mothra (Pacific-NE)	Thermal feature of Endeavour Ridge	1301-01-
Moti (Halmahera-Indonesia)	Stratovolcano (None) Holocene	**0608-063**
Motianling Group (China-E)	Volcanic field (None) Quaternary	.....
Motir (Halmahera-Indonesia)	Synonym of Moti	0608-063
Motlav (Vanuatu-SW Pacific)	Stratovolcano (None) Holocene	**0507-001**
Motmot (New Guinea-NE of)	Cone of Long Island	0501-05=
Motodori (Honshu-Japan)	Lava dome (None) Pleistocene	.....
Motonupuri (Kuril Is)	Cone of Grozny Group	0900-07=
Moto-Shirane (Honshu-Japan)	Cone of Kusatsu-Shirane	0803-12=
Moto-yama (Volcano Is-Japan)	Stratovolcano of Ioto [Iwo-jima]	0804-12=
Mottaga-dake (Honshu-Japan)	Dome of Aono-yama	.....
Motu Lahi (Tonga-SW Pacific)	Cone of Niuafo'ou	0403-11=
Motu Molimoli (Tonga-SW Pacific)	Cone of Niuafo'ou	0403-11=
Motuapu (New Zealand)	Dome of Taupo	0401-07=
Motuhora Island (New Zealand)	Synonym of Whale Island	.....
Motukaiko (New Zealand)	Dome of Taupo	0401-07=
Motukorea (New Zealand)	Cone of Auckland Field	0401-02=
Motuma (New Zealand)	Dome of Taupo	0401-07=
Motuopuhi Island (New Zealand)	Cone of Northern Tongariro Group	.....
Moua Pihaa (Society Is-C Pacific)	Submarine volcano (2, 1970) Seismicity	**1303-03-**
Moumoukai (Kermadec Is)	Stratovolcano of Raoul Island	0402-03=
Mouna Huararai (Hawaiian Is)	Synonym of Hualalai	1302-04-
Moundhill (Aleutian Is)	Lava cone of Seguam	1101-18-
Mountain Lakes (US-Oregon)	Volcanic field (None) Quaternary	.....
Mountain Top (W Indies)	Dome of Plat Pays, Morne	1600-11=
Mousa Alli (Ethiopia)	Stratovolcano (None) Holocene	**0201-123**
Mousgou, Ehi (Africa-N)	Stratovolcano of Voon, Tarso	0205-02=
Moussa Alli (Ethiopia)	Synonym of Mousa Alli	0201-123
Moustabismen, Piton de (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Moustique, Morne (W Indies)	Stratovolcano of Axial Chain	.....
Mowna Roa (Hawaiian Is)	Synonym of Mauna Loa	1302-02=
Mowna Worrarar (Hawaiian Is)	Synonym of Hualalai	1302-04-
Moye (Ethiopia)	Synonym of Tullu Moje	0201-25-
Moyoro-dake [Kudriavy] (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Moyotepe, Cerro (Nicaragua)	Stratovolcano of San Cristóbal	1404-02=
Moyuta (Guatemala)	Stratovolcano (None) Hot Springs	**1402-13-**
Mpoli (Africa-E)	Cone of Izumbwe-Mpoli	0202-165
Mrit-Ment Volc Field (Africa-N)	Volcanic field (None) Quaternary	.....
Muaga Mua [Mauga Afi] (Samoa-SW Pacific)	Fissure vent of Savai'i	0404-04=
Muangakatote (New Zealand)	Stratovolc. Northern Tongariro Group	.....
Mubonyakya (Africa-E)	Cone of Chyulu Hills	0202-13=
Mucu (Lesser Sunda Is)	Thermal feature of Poco Leok	0604-07=
Mud Bay (D'Entrecasteaux Is)	Cone of Goodenough	0503-041
Mud Hill (US-New Mexico)	Cone of Raton-Clayton	.....
Mud Spring (US-Nevada)	Cone of Aurora-Bodie	.....
Mue (Africa-E)	Cone of Kilimanjaro	0202-15=
Mueggen, Cuddia (Italy)	Shield volcano of Pantelleria	0101-071
Muerto, Isla el (Nicaragua)	Cone of Zapatera	1404-111
Muerto, Volcán el (Chile-N)	Stratovolc. Ojos del Salado, Nevados	1505-13=
Mugara (Africa-C)	Cone of Nyiragongo	0203-03=
Mugogo (Africa-C)	Cone of Visoke	0203-05-
Muhabura (Africa-C)	Synonym of Muhavura	0203-06-
Muhavura (Africa-C)	Stratovolcano (None) Holocene	**0203-06-**
Muhavuru (Africa-C)	Synonym of Muhavura	0203-06-
Muhlenberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Muhoti (Africa-C)	Tuff cone of Fort Portal	0203-001
Muhuboli (Africa-C)	Vent of Nyamuragira	0203-02=
Muirhead, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Muja (Africa-C)	Cone of Nyiragongo	0203-03=
Mukaimachi (Honshu-Japan)	Caldera (None) Pleistocene	.....
Mukai-yama (Izu Is-Japan)	Dome of Ni-jima	0804-02=
Muko-yama [Mukai-yama] (Izu Is-Japan)	Dome of Ni-jima	0804-02=
Mukuani Hill (Africa-E)	Dome of Nyambeni Hills	0202-056
Mulas, Alto de las (Chile-C)	Fissure vent of Descabezado Grande	1507-05=
Mulata (Azores)	Cone of Sete Cidades	1802-08=
Mulcares Soufriere (W Indies)	Thermal feature of Soufrière Hills	1600-05=
Mulderi (Africa-C)	Crater of Karisimbi	0203-04-
Mule Mountain (US-Oregon)	Dome of Cinnamon Butte	1202-15-
Mule Peak (US-Oregon)	Cone of Cappy Mountain	.....
Mule, Cerro la (Nicaragua)	Cinder cone of Negro, Cerro	1404-07=
Mulimauga (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Mulino De Valentano (Italy)	Cone of Vulsini	0101-003
Mullet Island (US-California)	Dome of Salton Buttes	1203-20-
Mulukroko [Ilitebulele] (Lesser Sunda Is)	Cone of Ililabalekan	0604-24=
Mululus (New Britain-SW Pac)	Stratovolcano of Oto Group	.....
Munana, Mt. (Australia)	Cone of McBride Volc Province	.....
Mundafell (Iceland-S)	Fissure vent of Hekla	1702-07=
Mundagigar [Mundafell] (Iceland-S)	Fissure vent of Hekla	1702-07=
Mundi (Africa-E)	Cone of Paka	0202-053
Munding, Kawah (Java)	Thermal feature of Kamojang, Kawah	.....
Mundo Nueva (Colombia)	Crater of Cumbal	1501-10=
Mundo, Cerro (Galapagos)	Cone of San Cristobal	1503-12-
Mundua (New Britain-SW Pac)	Complex volcano (None) Holocene	**0502-021**
Munduzhyak (Russia-SE)	Dome of Udokan Plateau	1002-03-
Mungker, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Mungogo wa Bogwe (Africa-E)	Synonym of Lengai, Ol Doinyo	0202-12=
Mungo-ma-loba (Africa-W)	Synonym of Cameroon	0204-01=
Munlulu (New Britain-SW Pac)	Crater of Langila	0502-01=
Munlulu, Mount (New Britain-SW Pac)	Cone of Langila	0502-01=
Muntango (Africa-C)	Pit crater of Karisimbi	0203-04-
Munyanyangi (Africa-C)	Tuff cone of Katwe-Kikorongo	0203-003
Munyinya (Africa-C)	Crater of Karisimbi	0203-04-
Murakami-yama (Honshu-Japan)	Dome of Eboshi	.....
Murambe (Africa-C)	Crater of Bunyaruguru	0203-004
Murara (Africa-C)	Cone of Nyamuragira	0203-02=
Murcondas, Pica das [Marcondas] (Azores)	Dome of Furnas	1802-10=
Murdoch (Antarctica)	Cone of Seal Nunataks Group	1900-05=
Muria (Java)	Stratovolcano (1, ~160) Holocene	**0603-251**
Muriah (Java)	Synonym of Muria	0603-251

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Nama Salah (Sumatra)	Unknown (None) Pleistocene	.....
Nama, Mt (Vanuatu-SW Pacific)	Cone of Paama Island	.....
Namafjall (Iceland-NE)	Thermal feature of Krafla	1703-08=
Namafjall-Krofluhals (Iceland-NE)	Crater Row of Krafla	1703-08=
Namagura (New Britain-SW Pac)	Thermal feature of Pago	0502-08=
Namako-yama (Hokkaido-Japan)	Dome of Shiretoko-Iwo-zan	0805-09=
Namana O Ke Akua (Hawaiian Is)	Cone of Haleakala	1302-06-
Namang (Lesser Sunda Is)	Synonym of Egon	0604-16=
Namarunu (Africa-E)	Shield volcano (1, -6550) Tephrochron	**0202-04-**
Nambroque [San Juan] (Canary Is)	Fissure vent of La Palma	1803-01-
Nambroque, Pico del (Canary Is)	Synonym of La Palma	1803-01-
Nambu (Honshu-Japan)	Caldera of Akita-Komaga-take	0803-23=
Nambu-fuji (Nambu-Huzi) (Honshu-Japan)	Synonym of Iwate	0803-24=
Namlagira (Africa-C)	Synonym of Nyamuragira	0203-02=
Namshraun (Iceland-S)	Crater Row of Torfajokull	1702-05=

Ichio Moriya (Kanazawa Univ.)

The ash cone and crater in the foreground were formed during an eruption on the caldera floor of **Nisyros** volcano in the Aegean Islands in 1871. Five explosion craters pocket the 800 x 1400 m caldera floor. Post-caldera lava domes form the horizon.

Namu'a (Samoa-SW Pacific)	Tuff ring of Upolu	0404-03-
Namui, Vusi (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Namur (New Britain-SW Pac)	Cone of Tangi	.....
Namurinyang (Africa-E)	Tuff cone of Barrier, The	0202-03=
Namyong (SE Asia)	Fissure vents (None) Pleistocene	.....
Nanashigure (Honshu-Japan)	Lava dome (None) Pleistocene	.....
Nanawarez (Vanuatu-SW Pacific)	Stratovolcano of Aneityum	0507-11-
Nandatunshan (Taiwan)	Dome of Tatun Group	0801-032
Nangarabat Springs (Africa-E)	Thermal feature of Emuruangogolak	0202-051
Nangelaqiushan (China-E)	Cone of Wudalianchi	1005-03-
Nangetsu-yama (Honshu-Japan)	Stratovolcano of Nasu	0803-15=
Nangila (New Britain-SW Pac)	Synonym of Langila	0502-01=
Nangklak, Kawah (Java)	Crater of Papandayan	0603-10=
Nangoena (Sulawesi-Indonesia)	Synonym of Colo [Una Una]	0606-01=
Nani [Motmot] (New Guinea-NE of)	Cone of Long Island	0501-05=
Nan-Ko-la-shan [Nangelaqiushan] (China-E)	Cone of Wudalianchi	1005-03-
Nanla (New Britain-SW Pac)	Synonym of Langila	0502-01=
Nanlongwan (China-E)	Maar of Longgang Group	1005-05-
Nanook (Canada)	Dome of Edziza	1200-06-
Nanshan (China-E)	Cinder cone of Keluo Group	1005-02-
Nantai (Honshu-Japan)	Stratovolcano (1, -9540) Radiocarbon	**0803-141**
Nanti, Bukit (Sumatra)	Unknown (None) Quaternary	.....
Nanum River (New Ireland-SW Pacific)	Thermal feature of Ambitle	0504-02=
Nanwaksjiak (Alaska-W)	Maar of Nunivak Island	1104-02-
Nanxing (SE Asia)	Cone of Leizhou Bandao	0705-01-
Nanzaki (Honshu-Japan)	Pyroclastic cone (None) Pleistocene	.....
Nanzal, Cerro (El Salvador)	Cinder cone of Usulutan	1403-081
Naolinca de Victoria Volc Field (Mexico)	Synonym of Naolinco Volc Field	1401-095
Naolinco Volc Field (Mexico)	Pyroclastic cones (1, -1200) Radiocarbon	**1401-095**
Napa, Cerro (Chile-N)	Stratovolcano (None) Pleistocene	.....
Napau (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Naperito (Africa-E)	Tuff cone of Barrier, The	0202-03=
Napier, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Napoleon, Cratere (W Indies)	Crater of Soufrière Guadeloupe	1600-06=
Nappatecuhtlan (Mexico)	Synonym of Cofre de Perote	1401-096
Nappe ee Lave ee Damar (Arabia-S)	Synonym of Dhamar, Harras of	0301-12-
Nar, Djebel en- (Arabia-S)	Synonym of Nar, Jabal an	0301-14-
Nar, Harrat en- (Arabia-W)	Synonym of 'Uwayrid, Harrat	0301-02=
Nar, Jabal an (Arabia-S)	(None) Not a Volcano	0301-14-
Narage (New Britain-SW Pac)	Stratovolcano (None) Pleist -Geysers	.....
Naranjo, El (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Naranjos, Cerro los (El Salvador)	Stratovolcano of Apaneca Range	1403-01=
Narao-dake (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Narata (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Narborough (Galapagos)	Synonym of Fernandina	1503-01=
Narcondam (Andaman Is-Indian O)	Synonym of Narcondum	0600-001
Narcondum (Andaman Is-Indian O)	Stratovolcano (None) Holocene	**0600-001**
Narega (New Britain-SW Pac)	Synonym of Narage	.....
Nari (Korea)	Caldera of Ulreung	1006-03-

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Narikawa (Kyushu-Japan)	Maar of Ibusuki Volc Field	0802-07=
Naricka (Honshu-Japan)	Pleistocene caldera of Futamata	.....
Nariz, La (Argentina)	Cone of Payún Matru	1507-066
Narove Island (Solomon Is-SW Pacific)	Synonym of Simbo	0505-05=
Narraga (Narrage) (New Britain-SW Pac)	Synonym of Narage	.....
Narse D'ampoix (France)	Maar of Chaine des Puys	0100-02-
Narse D'espinsasse (France)	Maar of Chaine des Puys	0100-02-
Narugo (Honshu-Japan)	Caldera (5, 837) Historical	**0803-20=**
Naruko (Honshu-Japan)	Synonym of Narugo	0803-20=
Narusawatakane (Honshu-Japan)	Synonym of Fuji	0803-03=
Nash Crater (US-Oregon)	Cinder cone of Sand Mountain Field	1202-04-
Naso (Honshu-Japan)	Synonym of Nasu	0803-15=
Nasu (Honshu-Japan)	Stratovolcanoes (20, 1963) Historical	**0803-15=**
Nasu-yama (Honshu-Japan)	Synonym of Nasu	0803-15=
Nasu-Yumoto Spa (Honshu-Japan)	Thermal feature of Nasu	0803-15=
Natalia (Chile-C)	Stratovolcano of Tinguiririca	1507-03=
Natib (Luzon-Philippines)	Stratovolcano (None) Holocene?	**0703-082**
Natividad, Cerro (Guatemala)	Cinder cone of Güistepeque Volc Field	.....
Natororoto (Vanuatu-SW Pacific)	Thermal feature of Kuwae	0507-07=
Natugnos (Luzon-Philippines)	Thermal feature San Pablo Volc Field	0703-06=
Natyin Taung (SE Asia)	Cone of Lower Chindwin	0705-09-
Naucampatepetl (Mexico)	Synonym of Cofre de Perote	1401-096
Naue, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Nauga (Chile-S)	Synonym of Calbuco	1508-02=
Nauhcampta-tepetl (Mexico)	Synonym of Cofre de Perote	1401-096
Nauthunilawe (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Navajas, Las (Mexico)	Shield volcano (None) Pleistocene	.....
Navenchauc (Mexico)	Dome of Apas-Navenchauc	.....
Navidad (Chile-C)	Cinder cone of Lonquimay	1507-10=
Navolivoli (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Nawasif, Harrat (Arabia)	Volcanic field (None) Post-Miocene	.....
Nayavuloa (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Naydi (Luzon-N of)	Stratovolcano of Babuyan Claro	0704-03=
Nazko (Canada)	Cinder cones (1, -5220) Radiocarbon	**1200-14-**
Ndabibi (Africa-E)	Dome of Olkaria	0202-09=
Ndakaza (Africa-C)	Crater of Nyamuragira	0203-02=
Ndale (Africa-C)	Synonym of Kyatwa	0203-002
Ndamukoro (Africa-C)	Cone of Nyiragongo	0203-03=
Ndana (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Ndeke (Africa-C)	Tuff cone of Fort Portal	0203-001
Ndelaitho (Fiji Is-SW Pacific)	Cone of Waikama	.....
Ndelaivonda (Fiji Is-SW Pacific)	Cone of Waikama	.....
Ndete Napu (Lesser Sunda Is)	Fumarole field (None) Fumarolic	**0604-13=**
Ndetu Napu (Ndetoe Napoe)	Synonym of Ndete Napu	0604-13=
Ndiru (Africa-E)	Cone of Homa Mountain	0202-07=
Ndobwa (Africa-E)	Dome of Nyambeni Hills	0202-056
Ndoinyolendikir (Africa-E)	Cone of Sultan Hamud-Simba	.....
Ndonyu Yuki Hill (Africa-E)	Pyroclastic cone of Nyambeni Hills	0202-056
Ndughore (Solomon Is-SW Pacific)	Dome of Kolombangara	.....
Ndwati (Africa-E)	Crater of Rungwe	0202-166
NE Anatahan (Mariana Is-C Pacific)	Submarine vent of Anatahan	0804-20=
Ne Ch'e Ddhawa (Canada)	Cone of Fort Selkirk	1200-01-
NE Lau Spreading Center (Tonga-SW Pacific)	Synonym of Tafu-Maka	0403-12-
Ne, Mt (New Guinea)	Stratovolcano of Kerewa	.....
Neapolitan Yellow Tuff (Italy)	Pleistocene caldera of Campi Flegrei	0101-01=
Near Island (Red Sea)	Cone of Zukur	0201-021
Neck, the (Canada)	Cone of Edziza	1200-06-
Nedostupny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Negami-dake [Nabedao] (Ryukyu Is)	Stratovolcano of Suwanose-jima	0802-03=
Negit Island (US-California)	Cone of Mono Lake Volc Field	1203-11-
Negop-Ghang (Africa-W)	Maar of Oku Volc Field	0204-03-
Negra, La (Argentina)	Cinder cone of Unnamed	.....
Negra, Montaña [Siete Fuentes] (Canary Is)	Cinder cone of Tenerife	1803-03-
Negra, Montaña [Volcán de Garachico]	Cinder cone of Tenerife	1803-03-
Negra, Montaña [Volcán Nuevo del Fuego]	Cinder cone of Lanzarote	1803-06-
Negra, Sierra (Chile-C)	Synonym of Blancas, Lomas	1507-064
Negra, Sierra (Galapagos)	Shield volcano (17, 2005) Historical	**1503-05=**
Negra, Sierra (Mexico)	Stratovolcano de Orizaba, Pico de	1401-10=
Negras, Montañas de (Canary Is)	Fissure vent of Tenerife	1803-03-
Negras, Montañetas las (Canary Is)	Fissure vent of Tenerife	1803-03-
Negrillar de Ensenada, Volcanes el (Chile-S)	Fissure vent of Osorno	1508-01=
Negrillar, El (Chile-N)	Pyroclastic cones (None) Holocene	**1505-106**
Negrillar, La (Chile-N)	Pyroclastic cones (None) Holocene?	**1505-108**
Negritas, Las (Mexico)	Therm. feature Michoacan-Guanajuato	1401-06=
Negro (Chile-S)	Cinder cone of Palei-Aike Volc Field	1508-08-
Negro (Argentina)	Cinder cone of Unnamed	.....
Negro de Mayasquer, Cerro	Stratovolcano (1, 1936) Holocene?	**1501-11=**
Negro del Tromen, Cerro (Argentina)	Stratovolcano of Tromen	1507-072
Negro, Cerro (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Negro, Cerro (Chile-C)	Pleist. caldera of Chillan, Nevados de	1507-07=
Negro, Cerro (Chile-S/Argentina)	Cinder cone Crater Basalt Volc Field	1508-025
Negro, Cerro (Bolivia)	Synonym of Moiro, Cerro	.....
Negro, Cerro (Costa Rica)	Shield volcano (None) Pleistocene	.....
Negro, Cerro (Nicaragua)	Cinder cones (23, 1999) Historical	**1404-07=**
Negro, Cerro (Bolivia)	Maar of Pampa Luxsar	1505-042
Negro, Cerro (Chile-N)	Dome of Purico Complex	1505-094
Negro, Cerro Volcan (Argentina)	Shield volcano Northern Mendoza Field	.....
Negro, Crater (Chile-C)	Crater of Maule, Laguna del	1507-061
Negro, El (Mexico)	Cinder cone of Chichinautzin	1401-08=
Negro, Laguna (Chile-C)	Maar of Carran-Los Venados	1507-14=
Negro, Montagnon (Canary Is)	Cone of Gran Canaria	1803-04-
Negron, Mount (Luzon-Philippines)	Dome of Pinatubo	0703-083
Negros de Aras (Chile-N)	Synonym of Negrillar, El	1505-106
Nejapa (Nicaragua)	Maar of Nejapa-Miraflores	1404-092

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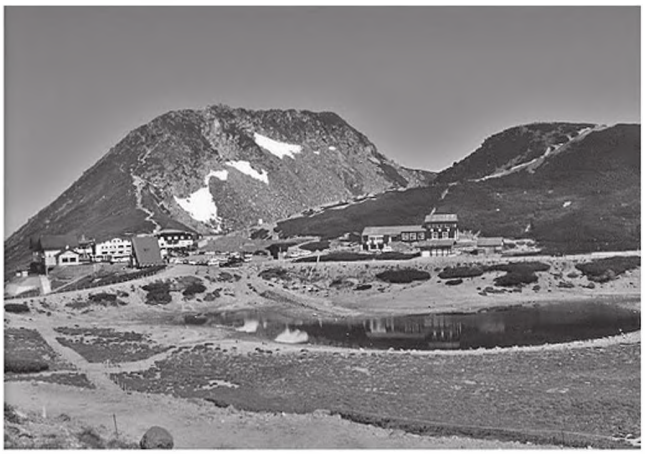
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Nejapa-Miraflores (Nicaragua)	Fissure vents (8, 710) Tephrochronology	1404-092
Nejapa-Ticoma (Nicaragua)	Synonym of Nejapa-Miraflores	1404-092
Nekhe Khota (Bolivia)	Maar of Jayu Khota, Laguna	1505-035
Nekhe Kkota [Nekhe Khota] (Bolivia)	Maar of Jayu Khota, Laguna	1505-035
Neko-dake [Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Nekoma (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Nekomaga-take (Honshu-Japan)	Synonym of Nekoma	.....
Nel Cannestra (Italy)	Fissure vent of Stromboli	0101-04=
Nellie's Hump (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Nelma Plateau Volc Field (Russia-SE)	Fissure vent of Sikhote-Alin	1002-01-
Nelruna [Volcano Mountain] (Canada)	Cone of Fort Selkirk	1200-01-
Nelson, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Nemashi (Africa-E)	Cone of Chyulu Hills	0202-13=
Nemi (Italy)	Maar of Alban Hills	0101-004
Nemo Peak (Kuril Is)	Caldera (11, 1938) Historical	0900-32=
Nemo-san (Kuril Is)	Synonym of Nemo Peak	0900-32=
Nemours-Nedroma (Africa-N)	Volcanic field (None) Pleistocene	.....
Nemrut Boynu (Turkey)	Fissure vent of Nemrut Dagi	0103-02=
Nemrut Dagi (Turkey)	Stratovolcano (26, 1650) Historical	0103-02=
Nemrut Kale [Nemrutbasi] (Turkey)	Cone of Nemrut Dagi	0103-02=
Nemrutbasi (Turkey)	Cone of Nemrut Dagi	0103-02=
Nenakusa-yama (Honshu-Japan)	Dome of Kinunuma-Nenakusa	.....
Neostromboli (Italy)	Stratovolcano of Stromboli	0101-04=
Neozhidannyi (Kuril Is)	Cone of Ebeko	0900-38=
Neozhidannyi (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Nepriyatnaya (Kamchatka)	Dome of Diky Greben	1000-022
Neptune Cone (Aleutian Is)	Stratovolcano of Fisher	1101-35-
Nereuantop (Vanuatu-SW Pacific)	Thermal feature of Suretamatai	0507-01=
Nerita [Giulia-Ferdinandea] (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Nerita Bank (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Nero delle Concazze, Monte (Italy)	Cinder cone of Etna	0101-06=
Nero, Monte (Italy)	Cinder cone of Etna	0101-06=
Nesige (Kuril Is)	Synonym of Nemo Peak	0900-32=
Nesjahraun (Iceland-SW)	Fissure vent of Hengill	1701-05=
Nesjavellir (Iceland-SW)	Thermal feature of Hengill	1701-05=
Nevada de Lagunas Bravas, Sierra (Chile-N)	Synonym of Nevada, Sierra	1505-123
Nevada, Sierra (Chile-C)	Stratovolcano (None) Pleistocene	.....
Nevada, Sierra (Chile-N)	Complex volcano (None) Holocene	1505-123
Nevado (Spanish for Mt.) see proper name (e.g. Cumbal, Nevado de)		
Nevado [Cerro Blanco] (Chile-C)	Stratovolcano of Chillan, Nevados de	1507-07=
Nevidimka (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Nevis Peak (W Indies)	Stratovolcano (None) Holocene?	1600-04=
New Amsterdam (Indian O.-S)	Synonym of St. Paul	0304-002
New Bogoslof [Fire Island] (Aleutian Is)	Former dome of Bogoslof	1101-30-
New Cone (Alaska Peninsula)	Cone of Aniakchak	1102-09-
New Crater, The (W Indies)	Crater of Soufriere St. Vincent	1600-15=
Newberry (US-Oregon)	Shield volcano (11, 690) Radiocarbon	1202-11-
Newberry (US-Oregon)	Dome of South Sister	1202-08-
Newer Volcanics Prov (Australia)	Shield volcanoes (4, ~2900) Radiocarbon	0509-01-
Nexpayantla (Mexico)	Stratovolcano of Popocatepetl	1401-09=
Nezametnaya (Kamchatka)	Dome of Ksudach	1000-05=
Nezametnyi (Kuril Is)	Cone of Ebeko	0900-38=
Nezametnyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Nfou, Lake (Africa-W)	Maar of Oku Volc Field	0204-03-
Nfouet, Lake (Africa-W)	Maar of Oku Volc Field	0204-03-
Ngabone (Africa-E)	Cone of Sultan Hamud-Simba	.....
Ngadisari (Java)	Pleist. caldera of Tengger Caldera	0603-31=
Ngahewa, Lake (New Zealand)	Crater of Reporoa	0401-06-
Ngahuha (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Ngai, Donyo (Africa-E)	Synonym of Lengai, Ol Doinyo	0202-12=
Ngai, Duenjo (Africa-E)	Synonym of Lengai, Ol Doinyo	0202-12=
Ngalata (Africa-E)	Cone of Chyulu Hills	0202-13=
Ngalupala (Africa-E)	Dome of SW Usangu Basin	0202-163
Ngangiho (New Zealand)	Dome of Maroa	0401-061
Nganha (Africa-W)	Stratovolcano of Ngaoundere Plateau	0204-04-
Ngaoundere Plateau (Africa-W)	Volcanic field (None) Holocene?	0204-04-
Ngapi (Lesser Sunda Is)	Synonym of Lewotolo	0604-23=
Ngapouri, Lake (New Zealand)	Crater of Reporoa	0401-06-
Ngapuna (New Zealand)	Thermal feature of Rotorua	.....
Ngaramo (Africa-E)	Crater of Kieyo	0202-17=
Ngatamariki (New Zealand)	Thermal feature of Maroa	0401-061
Ngatoro Cone (New Zealand)	Stratovolcano of White Island	0401-04=
Ngatutura Volc Field (New Zealand)	Synonym of South Auckland	.....
Ngauruhoe (New Zealand)	Stratovolcano of Tongariro	0401-08=
Ngautuku (New Zealand)	Dome of Maroa	0401-061
Ngawha Hot Springs (New Zealand)	Thermal feature Kaikohe-Bay of Islands	0401-01=
Ngawkasoli [Paraso] (Solomon Is-SW Pacific)	Thermal feature of Nonda	.....
Ngazani (Africa-E)	Cone of Chyulu Hills	0202-13=
Ngebel, Lake (Java)	Crater of Wilis	0603-27=
Ngere Kwon (Vanuatu-SW Pacific)	Stratovolcano of Suretamatai	0507-01=
Ngesong (Java)	Stratovolcano of Dieng Volc Complex	0603-20=
Ngezi (Africa-C)	Cone of Visoke	0203-05-
Nggatokae (Solomon Is-SW Pacific)	Stratovolcano (None) Pleistocene	.....
Ngongotaha (New Zealand)	Dome of Rotorua	.....
Ngorongoro (Africa-E)	Caldera (None) Pleistocene	.....
Ngozi (Africa-E)	Caldera (3, 1450) Radiocarbon	0202-164
Ngulia Hills [Chaimu] (Africa-E)	Cone of Chyulu Hills	0202-13=
Nguna [Tabutera] (Vanuatu-SW Pacific)	Stratovolcano of North Vate	0507-081
Ngurdoto (Africa-E)	Caldera (None) Post-Miocene	.....
Ngurdoto Crater (Africa-E)	Cone of Meru	0202-16=
Ngusuna (Solomon Is-SW Pacific)	Crater of Simbo	0505-05=
Nguu (Africa-E)	Cone of Sultan Hamud-Simba	.....
Ngwala Rock (Vanuatu-SW Pacific)	Tuff cone of Aoba	0507-03=
Ngwangu (Africa-E)	Cone of Ngozi	0202-164
Niafu (Tonga-SW Pacific)	Synonym of Niuafo'ou	0403-11=
Nianiau, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Niawuan (Sulawesi-Indonesia)	Crater of Mahawu	0606-11=
Niblinto, Volcan (Chile-C)	Cinder cone of Chillan, Nevados de	1507-07=
Nibushi-Oyakotsu (Hokkaido-Japan)	Dome of Kutcharo	0805-08=
Nibusi-Oyakotu [Nibushi-Oyakotsu] (Japan)	Dome of Kutcharo	0805-08=
Nicanor, Cerro (Chile-C)	Cinder cone of Maipo	1507-021
Nicholson, Cerro (Perú)	Cinder cone (None) Holocene	1504-008
Nickens, Mount (Antarctica)	Cone of Hudson Mountains	1900-028
Nick's Cone (Aleutian Is)	Cone of Fisher	1101-35-
Nicolson Rock (Antarctica)	Cone of Toney Mountain	1900-026
Nido, Del (Argentina)	Cinder cone of Unnamed	.....
Niebla, Cerro de la (Chile-N)	Compound volcano (None) Pleistocene?	.....
Nieges, Piton des (Indian O.-W)	Shield volcano (None) Pleistocene	.....
Nieuwerkerk (Banda Sea)	Submarine volcano? (Uncertain)	0605-02=
Nightingale Island (Atlantic-S)	Stratovolcano (1, 2004) Historical	1806-011
Nigorigawa (Hokkaido-Japan)	Hydrotherm. field (None) Pleist.-Fumarolic	.....
Nigorikawa (Hokkaido-Japan)	Synonym of Nigorigawa	.....
Nihonmatsurei (Honshu-Japan)	Synonym of Adatara	0803-17=
Nihuil (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Niigata-Yake-yama (Honshu-Japan)	Lava dome (20, 1998) Historical	0803-09=
Niihau (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
Nii-jima (Izu Is-Japan)	Lava domes (5, 886) Historical	0804-02=
Niijima-yama (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Nii-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Niiyama-zawa (Honshu-Japan)	Thermal feature of Hachimantai	0803-25=
Niizima-yama [Niijima-yama] (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Nika (Banda Sea)	Synonym of Nila	0605-06=
Niki (Greece)	Dome of Santorini	0102-04=
Nikia (Greece)	Thermal feature of Nisyros	0102-05=
Nikko (Volcano Is-Japan)	Submarine volcano (Uncertain) Fumarolic	0804-132
Nikko-ba (Nikko-kaizan) (Volcano Is-Japan)	Synonym of Nikko	0804-132
Nikko-Shirane (Honshu-Japan)	Shield volcano (11, 1952) Historical	0803-14=
Nikko-Sirane (Honshu-Japan)	Synonym of Nikko-Shirane	0803-14=
Nikolka (Kamchatka)	Unknown (None) Pleistocene	.....



Ichio Moriya (Kanazawa Univ.)

Ebisu-dake lava dome in the background and Tsuruga-ike crater lake at the lower right occupy part of the elongated summit complex of **Norikura** volcano in central Honshu. A highway leads to the summit of this 3026-m-high volcano in Japan's Chubu Sangaku National Park.

Nikura-yama (Honshu-Japan)	Stratovolcano of Ayame-daira	.....
Nila (Banda Sea)	Stratovolcano (4, 1968) Historical	0605-06=
Nilahue (Chile-C)	Synonym of Carran-Los Venados	1507-14=
Nilam, Mt. (Sumatra)	Cone of Talakmau	0601-13=
Niland Field (US-California)	Synonym of Salton Buttes	1203-20-
Nimrud Dagh (Turkey)	Synonym of Nemrut Dagi	0103-02=
Ninagongo (Africa-C)	Synonym of Nyiragongo	0203-03=
Ninahuilca (Ecuador)	Dome of Atacazo	1502-021
Ninahuilca Chico I (Ecuador)	Dome of Atacazo	1502-021
Ninahuilca Chico II (Ecuador)	Dome of Atacazo	1502-021
Nindiri (Nicaragua)	Crater of Masaya	1404-10=
Ninepin Rock (Indian O.-S)	Synonym of St. Paul	0304-002
Ninfas, Cerro de las (El Salvador)	Stratovolcano of Apaneca Range	1403-01=
Ninfas, Laguna las (El Salvador)	Crater of Apaneca Range	1403-01=
Niño de Jesus [Santiaguito] (Guatemala)	Dome of Santa Maria	1402-03=
Nino-ike (Honshu-Japan)	Crater of On-take	0803-04=
Ninokura (Honshu-Japan)	Stratovolcano of Towada	0803-271
Ninomegata (Honshu-Japan)	Maar of Megata	0803-262
Nicikande (Kamchatka)	Shield volcano of Tynua	.....
Nipesotsu-Maruyama (Japan)	Stratovolcanoes (2, 1898) Historical	0805-061
Nipesotsu-yama (Hokkaido-Japan)	Stratovolcano of Nipesotsu-Maruyama	0805-061
Nipha, Mount (Antarctica)	Cone of White Island	.....
Niragongo (Niragonwe) (Africa-C)	Synonym of Nyiragongo	0203-03=
Nire Co (Argentina)	Cinder cone of Unnamed	.....
Nireco (Chile-C)	Crater of Callaqui	1507-091
Niri Mbwelesu (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=
Niri Mbwelesu Taten (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=
Niri Taten (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Oereparapara (Vanuatu-SW Pacific)	Synonym of Ureparapara	.....
Oerteale (Ethiopia)	Synonym of Erta Ale	0201-08=
Oetaka-yama (Honshu-Japan)	Lava domes (None) Pleistocene	.....
Ofu-Olosega (Samoa-SW Pacific)	Shield volcanoes (1, 1866) Historical	**0404-01=**
Ogari-yama (Hokkaido-Japan)	Dome of Usu	0805-03=
Ogasawara-Io-jima (Volcano Is-Japan)	Synonym of Iotc [Iwo-jima]	0804-12=
Oga-take (Honshu-Japan)	Dome of Narugo	0803-20=
Ogi (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Ogigahana (Kyushu-Japan)	Dome of Kuju	0802-12=
Ogino-Sen (Honshu-Japan)	Scoria cones (None) Pleistocene	.....
Ogmundargigar (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Ogmundur (Iceland-SW)	Dome of Hofsjokull	1701-09=
Ognedieshutshai Gora (Aleutian Is)	Synonym of Makushin	1101-31-
Ogoamas (Sulawesi-Indonesia)	Unknown (None) Quaternary	.....
Ogura-yama (Honshu-Japan)	Dome of Towada	0803-271

Lee Siebert (Smithsonian)

Ichino-ike pond in the foreground is one of a series of small explosion craters that cut the broad, elongated summit of **On-take** volcano. Its first historical eruption in 1979 followed a lengthy period of quiescence. Norikura volcano forms the broad massif in the middle distance, with the northern Japan Alps in the background.

Ohaaki [Broadlands] (New Zealand)	Thermal feature of Reporoa	0401-06-
Ohachi (Honshu-Japan)	Crater of Iwate	0803-24=
Ohachi (Kyushu-Japan)	Crater of Kirishima	0802-09=
Ohachi (Honshu-Japan)	Crater of Niigata-Yake-yama	0803-09=
Ohachidaira (Hokkaido-Japan)	Pleistocene caldera of Daisetsu	0805-06=
Ohaki [Broadlands] (New Zealand)	Thermal feature of Reporoa	0401-06-
Ohakune (New Zealand)	Tuff ring of Ruapehu	0401-10=
Ohalahoum [Dalahum] (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Ohanabe-yama (Honshu-Japan)	Stratovolcano of Towada	0803-271
Ohata-ike (Kyushu-Japan)	Crater of Kirishima	0802-09=
Ohatano (Honshu-Japan)	Maar of Izu-Tobu	0803-01=
Ohata-yama (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Ohati [Ohachi] (Honshu-Japan)	Crater of Iwate	0803-24=
Ohati [Ohachi] (Kyushu-Japan)	Crater of Kirishima	0802-09=
Ohati [Ohachi] (Honshu-Japan)	Crater of Niigata-Yake-yama	0803-09=
Oheinui (New Zealand)	Dome of Maroa	0401-061
Ohinemutu (New Zealand)	Thermal feature of Rotorua	.....
Ohira-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Ohmachi Seamount (Izu Is-Japan)	Synonym of Omachi Seamount	0804-092
Oiakoba (Kuril Is)	Synonym of Alaid	0900-39=
Oiau, Mount (D'Entrecasteaux Is)	Stratovolcano of Dawson Strait Group	0503-06=
Oiava-Ai, Mount (D'Entrecasteaux Is)	Cone of Goodenough	0503-041
Oibor, Oldoinyo (Africa-E)	Synonym of Kilimanjaro	0202-15=
Oike (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Oike-Minami (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Oile, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Oira (New Zealand)	Pumice cone of Mayor Island	0401-021
Oirase (Honshu-Japan)	Cone of Towada	0803-271
Ojigoku (Honshu-Japan)	Thermal feature of Iwate	0803-24=
Ojika-jima (Kyushu-Japan)	Shield volcanoes (None) Pleistocene	.....
Ojima (Kyushu-Japan)	Cone of Fukue-jima	0802-091
Ojima-jima (Kyushu-Japan)	Synonym of Ojika-jima	.....
Ojo de Agua de la Virgen, Cerro el (El Salv.)	Stratovolcano of Apaneca Range	1403-01=
Ojo de Agua, Cerro (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Ojo de Agua, Cerro (Nicaragua)	Cinder cone of Pilas, Las	1404-08=
Ojo de Agua, Loma (Nicaragua)	Cinder cone of San Cristobal	1404-02=
Ojo del Mar (El Salvador)	Synonym of Coatepeque Caldera	1403-041
Ojo del Salado (Chile-N)	Synonym of Ojos del Salado, Nevados	1505-13=
Ojochal, Cerro [El Bosque] (Nicaragua)	Dome of Rota	1404-06-
Ojo-dake (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Ojos del Salado, Nevados (Chile-N)	Stratovolcano (1, 700) Tephrochronology	**1505-13=**
Ojotes, Los (Mexico)	Dome of San Pedro	.....
Ok (Iceland-SW)	Shield volcano (None) Pleistocene	.....
Oka Plateau (Russia-SE)	Cinder cones (None) Holocene	**1002-06-**
Oka Upland Volc Field (Russia-SE)	Synonym of Oka Plateau	1002-06-
Okaihau (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Okama (Honshu-Japan)	Crater of Asama	0803-11=
Okama (Honshu-Japan)	Crater of Iwate	0803-24=
Okama (Honshu-Japan)	Crater of Zao	0803-19=
Okamado-yama (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Okaro, Lake (New Zealand)	Crater of Reporoa	0401-06-
Okata (Izu Is-Japan)	Stratovolcano of Oshima	0804-01=
Okataina (New Zealand)	Lava domes (31, 1981) Historical	**0401-05=**
Okeanskoe (Kuril Is)	Thermal feature of Baransky	0900-08=
Oke-numa (Honshu-Japan)	Crater of Azuma	0803-18=
Oki-Dogo (Honshu-Japan)	Shield volcano (None) Anthropology	**0803-003**
Okinawa-Tori-shima (Ryukyu Is)	Synonym of Iwo-Tori-shima	0802-02=
Okise (Kyushu-Japan)	Cone of Sakura-jima	0802-08=
Okiura (Honshu-Japan)	Caldera (None) Pleistocene	.....
Okkata-dake (Honshu-Japan)	Synonym of Aoso	.....
Okmok (Aleutian Is)	Shield volcano (18, 2008) Historical	**1101-29-**
Okoli (Africa-W)	Crater of Cameroon	0204-01=
Okoma-yama (Honshu-Japan)	Synonym of Kurikoma	0803-21=
Okpo Hill (SE Asia)	Cone of Lower Chindwin	0705-09-
Oku Volc Field (Africa-W)	Stratovolcano (Uncertain) Holocene?	**0204-03-**
Oku, Mount (Africa-W)	Stratovolcano of Oku Volc Field	0204-03-
Okuno-Fuji (Honshu-Japan)	Synonym of Iwaki	0803-27=
Okushiri-Katsuma-yama (Japan)	Shield volcano (None) Pleistocene	.....
Okutai-san (Kyushu-Japan)	Dome of Futago	.....
Ol Buru, Doinyo (Africa-E)	Synonym of Eburru, Ol Doinyo	0202-08=
Ol Kokwe (Africa-E)	Shield volcano (None) Holocene	**0202-055**
Ol Morouk (Africa-E)	Cone of Kilimanjaro	0202-15=
Ol Olongot (Africa-E)	Synonym of Longonot	0202-10=
Olaf (Atlantic-S)	Cone of Tristan da Cunha	1806-01=
Olai, Puu (Hawaiian Is)	Cone of Haleakala	1302-06-
Olakkran (Turkey)	Cone of Erciyes Dagi	0103-01=
Olallie Butte (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Olca Sur, Cerro (Chile-N)	Stratovolcano of Olca-Paruma	1505-05=
Olca-Paruma (Chile-N)	Stratovolcanoes (1, 1867) Historical	**1505-05=**
Old Bogoslof [Castle Rock] (Aleutian Is)	Dome of Bogoslof	1101-30-
Old Booby Hill (W Indies)	Dome of Saba	1600-01=
Old Craggy (US-California)	Dome of Sutter Buttes	.....
Old Crater (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Old Crater, The (W Indies)	Crater of Soufriere St. Vincent	1600-15=
Old Snowy Mountain (US-Washington)	Cone of Goat Rocks	.....
Oldeani (Africa-E)	Stratovolcano (None) Post-Miocene	.....
Oldoinyo, Oldonyo, Ol Doinyo (Masai for Mt.) see proper name (e.g. Lengai, Ol Doinyo)		
Oldugigar (Iceland-S)	Fissure vent of Hekla	1702-07=
O'Leary Peak (US-Arizona)	Cone of San Francisco Volc Field	.....
Olenguruoni (Africa-E)	Synonym of Olkaria	0202-09=
Olenguruoni (Africa-E)	Dome of Olkaria	0202-09=
Oleniy [Oleny] (Kamchatka)	Shield volcano of Zaozerny	1000-48-
Oleny (Kamchatka)	Shield volcano of Zaozerny	1000-48-
Olet Takan (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Olgaria [Olkaria Hill] (Africa-E)	Pumice cone of Olkaria	0202-09=
Olgoreti, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
Olgurtam (Africa-E)	Cone of Chyulu Hills	0202-13=
Olibano, Mt. (Italy)	Dome of Campi Flegrei	0101-01=
Olila, Mt. (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Olim (Sumatra)	Fissure vents (None) Pleistocene	.....
Olivas, Cerro los (Guatemala)	Cone of Suchitan	1402-16-
Olive, Mt. (Aleutian Is)	Cone of Shishaldin	1101-36-
Olivina, La [Cerro el Salto] (Mexico)	Cinder cone of Camargo Volc Field	.....
Olka (Kamchatka)	Shield volcano of Chavycha	.....
Olkaria (Africa-E)	Pumice cones (3, 1770) Radiocarbon	**0202-09=**
Olkaria Hill (Africa-E)	Pumice cone of Olkaria	0202-09=
Olkeduhals (Iceland-S)	Thermal feature of Hromundartindur	1701-051
Olkoviy (Kamchatka)	Shield volcano of Olkoviy Volc Group	1000-052
Olkoviy Volc Group (Kamchatka)	Volcanic field (None) Holocene	**1000-052**
Olla de Carne (Costa Rica)	Cone of Tenorio	1405-031
Olla de Flores (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
Olla de Zintora [Hoya de Cintora] (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
Olla Spring (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
Olla, Cerro la (Guatemala)	Cinder cone of Chingo	1402-17-
Olla, Cerro la (El Salvador)	Cinder cone of Santa Ana	1403-02=
Ollada de los Geisers del Tatio (Chile-N)	Synonym of Tatio, El	.....
Ollada, La (Nicaragua)	Crater of San Cristobal	1404-02=
Ollagua (Chile-N)	Synonym of Ollague	1505-06=
Ollague (Chile-N)	Stratovolcano (Uncertain) Holocene?	**1505-06=**
Olleta, La (Colombia)	Dome of Ruiz, Nevado del	1501-02=
Olmedo (Galapagos)	Synonym of Santiago	1503-09=
Olmoti (Africa-E)	Cone of Chyulu Hills	0202-13=
Olmoti (Africa-E)	Caldera (None) Quaternary	.....
Oloimoti (Africa-E)	Synonym of Olmoti	.....
Ololbutot (Africa-E)	Fissure vent of Olkaria	0202-09=
Ololica (Mexico)	Cinder cone of Chichinautzin	1401-08=
Olomanu (Samoa-SW Pacific)	Cone of Ta'u	0404-001
Olomanu Tai (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Olomanu Uta (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Olomatimu (Samoa-SW Pacific)	Cone of Ta'u	0404-001
Olomoana (Samoa-SW Pacific)	Shield volcano of Tutuila	0404-02-
Olonongot (Africa-E)	Synonym of Longonot	0202-10=
Olorerer (Africa-E)	Cone of Chyulu Hills	0202-13=
Olot Volc Field (Spain)	Pyroclastic cones (None) Holocene	**0100-03-**
Olotania (Samoa-SW Pacific)	Cone of Ta'u	0404-001
Olotele (Samoa-SW Pacific)	Cone of Tutuila	0404-02-
Olympe (Indian O.-S)	Cone of Amsterdam Island	0304-001
Olympus, Mt. (Galapagos)	Cone of Floreana	.....
Omachi Seamount (Izu Is-Japan)	(None) Not a Volcano	0804-092
Omae-dake (Honshu-Japan)	Cone of Akita-Komaga-take	0803-23=
Omanago Group (Honshu-Japan)	Lava domes (1, -3050) Radiocarbon	**0803-142**
Omaokoili (Hawaiian Is)	Cone of Mauna Kea	1302-03-

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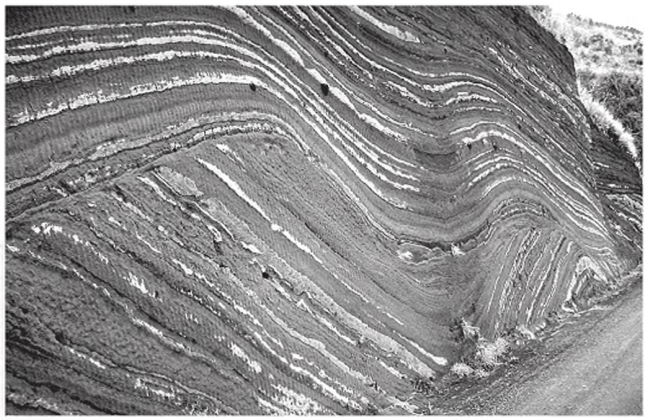
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Oto (New Britain-SW Pac)	Stratovolcano of Oto Group	.....
Oto Group (New Britain-SW Pac)	Stratovolcanoes (None) Pleistocene	.....
Otomeko-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Otoroa (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Otota, Doro (Lesser Sunda Is)	Unknown (None) Quaternary	.....
Otro Lado, Cerro el (Guatemala)	Cinder cone of Chiquimula Volc Field	1402-20-
Otsubo-no-ike (Honshu-Japan)	Crater of Akita-Komaga-take	0803-23=
Otsukue-yama (Honshu-Japan)	Cinder cone of Kannabe	.....
Otter Island (Alaska-W)	Unknown (None) Pleistocene	.....
Ottley's Level (W Indies)	Dome of South East Range	.....
Ottomoi (Kuril Is)	Synonym of Ebeko	0900-38=
Otuataua (New Zealand)	Cone of Auckland Field	0401-02=
Otubo-no-ike [Otsubo-no-ike] (Japan)	Crater of Akita-Komaga-take	0803-23=
Oturu (New Zealand)	Pumice cone of Mayor Island	0401-021
Otutarara Springs (New Zealand)	Thermal feature of Rotorua	.....
Otu'u, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Otvazhny (Kuril Is)	Crater of Tiatia	0900-03=
Ouaha (New Zealand)	Dome of Taupo	0401-07=
Oujda Volc Field (Africa-N)	Volcanic field (None) Quaternary	.....
Oukcem (Africa-N)	Maar of Manzaz Volc Field	0205-006
Oulenou (Vanuatu-SW Pacific)	Cone of Traitor's Head	0507-09=
Oulmes (Africa-N)	Synonym of Mrit-Ment Volc Field	.....
Oulmès Volc Field (Africa-N)	Volcanic field (None) Pleistocene	.....
Ounda Ginna Koma (Djibouti)	Tuff cone of Ardoukôba	0201-126
Ouson (Kamchatka)	Synonym of Uzon	1000-17=
O-Usu (Hokkaido-Japan)	Dome of Usu	0805-03=
Outcast Hill (Canada)	Cone of Spectrum Range	1200-07-
Outgui, Jebel (Africa-N)	Cone of Azrou Volc Field	.....
Outhwaite Park (New Zealand)	Cone of Auckland Field	0401-02=
Outigui Volc Field (Africa-N)	Synonym of Azrou Volc Field	.....
Oval Crater (US-Oregon)	Crater of Diamond Craters	1202-17-
Ovaljny (Kamchatka)	Synonym of Ovalny	.....
Ovalnaya Zimina (Kamchatka)	Stratovolcano of Zimina	1000-242
Ovalny (Kamchatka)	Shield volcano (None) Pleistocene	.....
Ovalnye (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Ove (Solomon Is-SW Pacific)	Synonym of Simbo	0505-05=
Ove, Lake (Solomon Is-SW Pacific)	Crater of Simbo	0505-05=
Ovejero, Cerro el (Guatemala)	Cone of Suchitan	1402-16-
Overo, Cerro (Chile-N)	Maar (None) Holocene?	**1505-097**
Overo, Volcan (Argentina)	Stratovolcano of Atuel, Caldera del	1507-023
Ow Rig (Vanuatu-SW Pacific)	Stratovolcano of Suretamatai	0507-01=
Ow Sorlav-Ow Planmen (Vanuatu)	Stratovolcano of Suretamatai	0507-01=
Owakudani (Honshu-Japan)	Thermal feature of Hakone	0803-02=
Oxi (Iceland-S)	Fissure vent of Hekla	1702-07=
Oyagua (Chile-N)	Synonym of Ollague	1505-06=
Oyahue (Chile-N)	Synonym of Ollague	1505-06=
Oyakoba-yama (Oyakobatska) (Kuril Is)	Synonym of Alaid	0900-39=
Oyama (Izu Is-Japan)	Caldera of Miyake-jima	0804-04=



Richard Fiske (Smithsonian)

This classic outcrop at **Oshima** volcano, in the Izu Islands, south of Tokyo, shows more than 100 individual layers of pyroclastic-fall deposits produced by eruptions of Oshima volcano at fairly regular intervals over a period of about 10,000 years. A prominent unconformity in the center of the outcrop is an erosional surface that truncated deposits of the earlier eruptions.

Oyameles (Mexico)	Dome of Humeros, Los	1401-093
Oyma (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Oyunuma (Hokkaido-Japan)	Crater of Kuttara	0805-034
O-Yunuma (Hokkaido-Japan)	Crater of Kuttara	0805-034
Ozernaia (Kamchatka)	Synonym of Ilyinsky	1000-03=
Ozernaya (Kamchatka)	Synonym of Ozernoy	1000-051
Ozernovsky Potok (Kamchatka)	Vent of Elovsky	1000-59-
Ozernoy (Kamchatka)	Shield volcano of Elovsky	1000-59-
Ozernoy (Kamchatka)	Cone of Krasheninnikov	1000-19=
Ozernoy (Kamchatka)	Synonym of Nachikinsky	.....
Ozernoy (Kamchatka)	Shield volcano (None) Holocene	**1000-051**
Ozigoku [Ojigoku] (Honshu-Japan)	Thermal feature of Iwate	0803-24=
Ozima-zima (Kyushu-Japan)	Synonym of Ojika-jima	.....
Ozukushi-yama (Honshu-Japan)	Dome of Osore-yama	0803-29=
Ozukusi-yama [Ozukushi-yama] (Japan)	Dome of Osore-yama	0803-29=
Ozyo-dake [Ojo-dake] (Kyushu-Japan)	Stratovolcano of Aso	0802-11=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number

P

Pa Hill (New Zealand)	Dome of Whale Island	.....
Paama Island (Vanuatu-SW Pacific)	Complex volcano (None) Pleistocene	.....
Pabellon Mauras, Volcan (Peru)	Cinder cone of Andahua-Orcopampa	1504-004
Pabellón, Cerro (Chile-N)	Dome of Azufre, Cerro del	1505-061
Pablo, Cerro el (Mexico)	Cinder cone of Camargo Volc Field	.....
Pabus, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Pacaracua, Cerro (Mexico)	Shield volc. of Michoacán-Guanajuato	1401-06=
Pacaya (Guatemala)	Complex volcano (28, 2010) Historical	**1402-11=**
Pacayal, El (El Salvador)	Synonym of Chinameca	1403-09=
Pacayal, Laguna Seca el (El Salvador)	Crater of Chinameca	1403-09=
Pacha, Loma (El Salvador)	Cinder cone of Taburete	1403-072
Pacheco, Cabecos do (Azores)	Cone of Fayal	1802-01=
Pacho, Cerro (El Salvador)	Dome of Coatepeque Caldera	1403-041
Pacho, Cerro (El Salvador)	Stratovolcano of Tablas, Cerro las	.....
Pachuca (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Packsaddle Mountain (US-Oregon)	Shield volcano of Williamson Mountain	.....
Paco (Mindanao-Philippines)	Stratovolcano (None) Anthropology	**0701-09-**
Paddo (US-Washington)	Synonym of Adams	1201-04-
Paeh, Kawah (Java)	Thermal feature of Salak	0603-05=
P'aektu-san (China-E)	Synonym of Changbaishan	1005-06-
Pagan (Mariana Is-C Pacific)	Stratovolcanoes (17, 2006) Historical	**0804-17=**
Pagerkandang (Java)	Cone of Dieng Volc Complex	0603-20=
Pagerkandang, Kawah (Java)	Thermal feature Dieng Volc Complex	0603-20=
Pagerluhir, Gunung (Java)	Vent of Sundoro	0603-21=
Pago (New Britain-SW Pac)	Caldera (18, 2007) Historical	**0502-08=**
Pago (Samoa-SW Pacific)	Pleistocene caldera of Tutuila	0404-02-
Pahangahanga (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Pahinga, Tavani [Tavani Pahunga] (Vanuatu)	Cone of Emae	.....
Pahto (US-Washington)	Synonym of Adams	1201-04-
Pahunga, Tavani (Vanuatu-SW Pacific)	Cone of Emae	.....
Pailas, Las (Costa Rica)	Thermal feature of Rincon de la Vieja	1405-02=
Pailin (SE Asia)	Unknown (None) Pleistocene	.....
Pailoushan (China-E)	Cone of Datong-Fengzen	.....
Paimún Cones (Chile-C)	Cinder cone of Lanin	1507-122
Paint Pot Crater (US-California)	Crater of Medicine Lake	1203-02-
Paisita, El (Colombia)	Crater of Galeras	1501-08=
Paisley (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Paja I, Cerro la (Guatemala)	Cinder cone of Güistepeque Volc Field	.....
Pajalitos, Loma los (El Salvador)	Cinder cone of San Diego	1403-001
Pajanales, Cerro (Chile-N)	Stratovolcano of Pular	1505-107
Pajang [Payang] (Lesser Sunda Is)	Crater of Batur	0604-01=
Pajarita, Cerro la (Guatemala)	Cone of Flores	1402-14-
Pajaritos (Chile-C)	Cone of Antillanca Group	1507-153
Pajaros (Mariana Is-C Pacific)	Synonym of Farallon de Pajaros	0804-14=
Pajas, Cerro de (Galápagos)	Cone of Floreana	.....
Pajita, Cerro (Panamá)	Dome of Valle, El	1406-03-
Pajo (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Pajonales, Cerro (Chile-N)	Stratovolcano of Pular	1505-107
Paka (Africa-E)	Shield volcano (1, -7550) Ar/Ar	**0202-053**
Pakehoolua (Hawaiian Is)	Shield volcano of Niihau	.....
Pakis, Ranu (Java)	Maar of Lamongan	0603-32=
Pakis, Ranu (Java)	Maar of Semeru	0603-30=
Pakka (Africa-E)	Synonym of Paka	0202-053
Pakushin (Aleutian Is)	Cone of Makushin	1101-31-
Pakuwaja (Java)	Cone of Dieng Volc Complex	0603-20=
Pakuwodjo [Pakuwaja] (Java)	Cone of Dieng Volc Complex	0603-20=
Pakuwojo [Pakuwaja] (Java)	Cone of Dieng Volc Complex	0603-20=
Palabuno Hot Spring (Mindanao-Philippines)	Thermal feature of Balut	0701-01=
Palacpaquen, Lake (Luzon-Philippines)	Maar of San Pablo Volc Field	0703-06=
Palad (SE Asia)	Vent of Lampang	.....
Palaeochori Bay (Greece)	Thermal feature of Milos	0102-03=
Palamito (Mexico)	Cinder cone of Chichinautzin	1401-08=
Palangiagia (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Palanush Butte (US-Oregon)	Cone of Wuksi Butte-Twin Lakes	.....
Palao Ragang (Mindanao-Philippines)	Synonym of Ragang	0701-06=
Palar (Chile-N)	Synonym of Pular	1505-107
Palau, Laguna de los (Mexico)	Maar of Ventura Volc Field	.....
Paleg (Lesser Sunda Is)	Cone of Batur	0604-01=
Palei-Aike Volc Field (Chile-S)	Cinder cones (1, -5550) Anthropology	**1508-08-**
Palena Volc Group (Chile-S)	Cinder cones (None) Holocene	**1508-051**
Paleo-Semiachik (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Paleostromboli (Italy)	Stratovolcano of Stromboli	0101-04=
Paletera (Colombia)	Cone of Purace	1501-06=
Palffy (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Pali Dome (Canada)	Dome of Cayley, Mt	.....
Palinpinon (Philippines-C)	Thermal feature of Cuernos de Negros	0702-01=
Palinuro (Italy)	Submarine volc. (1, -8040) Radiocarbon	**0101-031**
Paliorewma (Greece)	Thermal feature of Milos	0102-03=
Paliron (Mindanao-Philippines)	Dome of Paco	0701-09-
Palizada, Volcan (Chile-C)	Stratovolc. of Descabezado Grande	1507-05=
Pallanzana, La (Italy)	Dome of Vico-Cimino Complex	.....
Pallas Peak (Kuril Is)	Stratovolcano of Ketoi	0900-20=
Palma Sol Volc Field (Mexico)	Synonym of Atlixcos, Los	1401-094
Palma Sur, Cerrito la (El Salvador)	Dome of Ilopango	1403-06=
Palma, La (Colombia)	Pyroclastic cone of Unnamed	.....
Palmarola (Italy)	Cone of Pontine Islands	.....
Palmas, Cerro las (Mexico)	Cinder cone of Mascota Volc Field	1401-031
Palmas, Cerro las (El Salvador)	Stratovolcano of Tecapa	1403-08=
Palmas, Montana de las (Canary Is)	Cone of Gran Canaria	1803-04-
Palmira, Cerros (Costa Rica)	Stratovolcano of Platanar	1405-034
Palo Blanco (US-New Mexico)	Cone of Raton-Clayton	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Pontine Islands (Italy)	Lava domes (None) Pleistocene	.....
Ponza (Italy)	Cone of Pontine Islands	.....
Ponziane, Isola (Italy)	Synonym of Pontine Islands	.....
Popa (SE Asia)	Stratovolcano (1, -442) Anthropology	0705-08-
Popkov (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Poplovaya (Kuril Is)	Vent of Ebeko	0900-38=
Popocatepetl (Mexico)	Stratovolcanoes (41, 2010) Historical	**1401-09=**
Popocatzin [Popocatepec] (Mexico)	Synonym of Popocatepetl	1401-09=
Popolojo, Mt. (Halmahera-Indonesia)	Cone of Gamkonora	0608-04=
Popori, Mt. (Solomon Is-SW Pacific)	Cone of Gallego	0505-062
Poquintica, Cerro [Cerro Puquintica] (Chile-N)	Stratovolcano of Arintica	.....
Poquis (Chile-N)	Stratovolcano (None) Pleistocene	.....
Pora, Mt. (Halmahera-Indonesia)	Cone of Todoko-Ranu	0608-05=
Porak (Armenia)	Stratovolcano (2, -778) Anthropology	**0104-09-**
Porcelana (Chile-S)	Cone of Huequi	1508-03=
Pordon, Mt. (Australia)	Cone of Newer Volcanics Prov	0509-01-
Poros (Greece)	Fissure vent (None) Pleistocene	.....
Poroto Ridge (Africa-E)	Synonym of Ngozi	0202-164
Porphyrion (Greece)	Dome of Volos-Atalanti	.....
Porquesa (Chile-N)	Lava domes (None) Pleistocene	.....
Porr (Africa-E)	Pyroclastic cone (None) Quaternary	.....
Porri, Monte de (Italy)	Cone of Salina	.....
Porsea (Sumatra)	Caldera of Toba	0601-09=
Port Foster (Antarctica)	Caldera of Deception Island	1900-03=
Port Resolution (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Porterillos (Ecuador)	Dome of Chacana	1502-022
Portezuelo, Volcanes del (Chile-C)	Cone of Chillan, Nevados de	1507-07=
Portillo, Volcan el (Chile-C)	Cone of Maule, Laguna del	1507-061
Porto D'ischia (Italy)	Vent of Ischia	0101-03=
Porto Miseno (Italy)	Crater of Campi Flegrei	0101-01=
Portrilla (Colombia)	Crater of Galeras	1501-08=
Portrillo, Los (Nicaragua)	Cone of Telica	1404-04=
Poruña, La (Chile-N)	Cone of San Pedro	1505-07=
Poruñita, La (Chile-N)	Cone of Ollague	1505-06=
Porvenir, Cerro (Costa Rica)	Stratovolcano of Platanar	1405-034
Porvenir, Cerro el (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Posintepe, Cerro (Nicaragua)	Cone of Mombacho	1404-11=
Posos, Cerros De Los (US-New Mexico)	Dome of Valles Caldera	.....
Possession, Ile de la (Indian O.-S)	Stratovolcano (None) Holocene	0304-04-
Post Office Hill (Antarctica)	Cone of Terror, Mt	.....
Posta Lubrano (Italy)	Dome of Ischia	0101-03=
Pot Hill [North Hill] (Alaska-W)	Cinder cone of St. Paul Island	1104-01-
Potato Butte (US-Oregon)	Cinder cone of Olallie Butte	.....
Potato Butte (US-California)	Shield volcanoes (None) Pleistocene	.....
Potato Hill (US-Washington)	Cinder cone of Adams	1201-04-
Potato Moutain [Morne Patates] (W Indies)	Dome of Plat Pays, Morne	1600-11=
Poteryanny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Pothole Butte (US-Oregon)	Cone of Crater Lake	1202-16-
Potio Aike, Lago (Chile-S)	Maar of Palei-Aike Volc Field	1508-08-
Potjo Dedehg [Poco Dedehg] (Indonesia)	Cone of Sano, Wai	0604-06=
Potjo Leok [Potjok Leok] (Lesser Sunda Is)	Synonym of Poco Leok	0604-07=
Potor (Chile-N)	Stratovolcano (None) Pleistocene	.....
Potosi (Colombia)	Unknown (None) Post-Miocene	.....
Potreros, Los (Mexico)	Pleistocene caldera of Humeros, Los	1401-093
Potret, Kawah (Sumatra)	Crater of Telong, Bur ni	0601-05=
Potrillo (US-New Mexico)	Maar of Potrillo Volc Field	.....
Potrillo Volc Field (US-New Mexico)	Cinder cones (None) Pleistocene	.....
Potta (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Pouakai (New Zealand)	Stratovolcano (None) Pleistocene	.....
Poucharet, Puy de (France)	Cone of Chaine des Puys	0100-02-
Povoacao (Azores)	Pleistocene caldera of Furnas	1802-10=
Povorotnaia Sopka (Kamchatka)	Synonym of Mutnovsky	1000-06=
Powder Hill (US-California)	Cone of Medicine Lake	1203-02-
Powell (W Indies)	Dome of Plat Pays, Morne	1600-11=
Powell Butte (US-Oregon)	Cone of Boring Lava	.....
Powers Caldera (Hawaiian Is)	Caldera of Kilauea	1302-01-
Poworotnaja Assatscha (Kamchatka)	Synonym of Mutnovsky	1000-06=
Poyauhtecatl (Mexico)	Synonym of Orizaba, Pico de	1401-10=
Poza Rica (Mexico)	Volcanic field (None) Pleistocene	.....
Pozas, Cerro las (Guatemala)	Cone of Ixtepeque	1402-18-
Pozo (Argentina)	Crater of Northern Mendoza Volc Field	.....
Pozo del Carmen (Mexico)	Maar of Ventura Volc Field	.....
Pozo, El (El Salvador)	Pit crater of Santa Ana	1403-02=
Pozo, El (Argentina)	Crater of Tromen	1507-072
Pozo, El (Argentina)	Cinder cone of Unnamed	.....
Praga [Sarvaly] (Hungary)	Shield volcano of Balaton Highland	.....
Prahu (Java)	Stratovolcano of Dieng Volc Complex	0603-20=
Pra-Karymsky (Kamchatka)	Stratovolcano of Karymsky	1000-13=
Prambanan (Java)	Cone of Dieng Volc Complex	0603-20=
Prambanan (Java)	Dome of Dieng Volc Complex	0603-20=
Prarauque (Chile-S)	Synonym of Osorno	1508-01=
Prata Porci (Italy)	Maar of Alban Hills	0101-004
Pravaia Mutnovskaia Sopka (Kamchatka)	Synonym of Gorely	1000-07=
Pravilny (Kamchatka)	Dome of Bezymianny	1000-25=
Pra-Visokaya (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Pravyi Lurban (Russia-SE)	Dome of Udokan Plateau	1002-03-
Prawaja Mutnowskaja (Kamchatka)	Synonym of Gorely	1000-07=
Preciosa, La (Mexico)	Maar of Serdan-Oriental	1401-092
Predskanzannyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Predvidennoye (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Preito, Cerro (Mexico)	Dome of Toluca, Nevado de	1401-07-
Prek Kak (SE Asia)	Synonym of Cham	.....
Prestahnukur (Iceland-SW)	Subglacial volc (3, -3350) Radiocarbon	1701-07=
Preto, Pico (Atlantic-C)	Dome of Trindade	1805-051
Prevo Peak (Kuril Is)	Stratovolcano (2, 1825) Historical	**0900-19=**
Prevoste (Kuril Is)	Synonym of Prevo Peak	0900-19=
Pribrezhny (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Pribrezhny Severny (Kamchatka)	Stratovolcano of Pribrezhny	.....
Pribrezhny Yuzhny (Kamchatka)	Stratovolcano of Pribrezhny	.....
Pribrezhnyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Price Bay (Canada)	Cone of Garibaldi Lake	1200-19-
Price Island (Canada)	Cone of Milbanke Sound Group	1200-12-
Price, Mount (Canada)	Stratovolcano of Garibaldi Lake	1200-19-
Priemysh (Kamchatka)	Stratovolcano of Khodutka	1000-053
Prieto, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Prieto, Cerro (Mexico)	Lava dome (None) Holocene?	**1401-00-**
Prieto, Volcan (Mexico)	Synonym of Leon, Cerro	.....
Primavera (Colombia)	Pyroclastic cone San Augustin-Isnos	.....

Paul Kimberly (Smithsonian)

A narrow sand-and-gravel bar connects the picturesque fishing village of Scotts Head, the southernmost on Dominica, to the Scotts Head lava dome. The village, also known as Cachacrou, overlies volcaniclastic deposits on the SW flank of Crabier lava dome, a post-caldera dome near the southern rim of the Morne **Plat Pays** caldera.

Primavera, Sierra la (Mexico)	Caldera (None) Pleistocene-Hot Springs	.....
Prince Edward Island (Indian O.)	Shield volcano (None) Holocene	**0304-06-**
Prince Island (Antarctica)	Synonym of Zavodovski	1900-13=
Princess (New Zealand)	Crater of White Island	0401-04=
Princess Peak (Alaska Peninsula)	Synonym of Snowy Mountain	1102-20-
Prindle (Alaska-E)	Cinder cone (None) Pleistocene	.....
Priozernaya (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Priozernyi [Priozernaya] (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Priyemysh [Priemysh] (Kamchatka)	Stratovolcano of Khodutka	1000-053
Prizrak (Kamchatka)	Pleistocene caldera of Kell	1000-041
Problematichny (Kamchatka)	Cone of Bolshoi Semiachik	1000-15=
Prodolny (Kamchatka)	Shield volcanoes (None) Pleistocene	.....
Profit Elias [Profitis Ilias] (Greece)	Dome of Nisyros	0102-05=
Profitis Ilias (Greece)	Pumice cone of Milos	0102-03=
Profitis Ilias (Greece)	Dome of Nisyros	0102-05=
Prometheus (Tonga-SW Pacific)	Vent of West Mata	0403-13-
Prongoli (Java)	Dome of Tengger Caldera	0603-31=
Propushchennyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Prospect Cone (US-Arizona)	Cinder cone of Uinkaret Field	1209-01-
Prospect Peak (US-California)	Shield volcano of Lassen Volc Center	1203-08-
Protector Shoal (Antarctica)	Submarine volcano (1, 1962) Historical	**1900-14-**
Prouty Hill [Black Hump] (US-Oregon)	Dome of North Sister Field	1202-07-
Provatas (Greece)	Thermal feature of Milos	0102-03=
Providencia, Cerro la (Mexico)	Dome of Azufres, Los	.....
Providencia, Cerro la (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Providencia, Volcan (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Pryor Cliff (Antarctica)	Cone of Hudson Mountains	1900-028
Psathoura (Greece)	Synonym of Sporades	.....
Psorochoma (Greece)	Synonym of Susaki	0102-01=
Puai, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Puaialua (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Puas [Puas, Puas] (Costa Rica)	Synonym of Poas	1405-04=
Pucanu (Chile-C)	Synonym of Villarrica	1507-12=
Pucara, Cerro (Bolivia)	Volcanic field (None) Pleistocene	.....
Puchuldiza (Chile-N)	Hydrotherm. field (None) Pleist.-Geysers	.....
Puchura, Volcan (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Pucon (Chile-C)	Synonym of Villarrica	1507-12=
Pucu Mauras, Cerro (Peru)	Cinder cone of Andahua-Orcopampa	1504-004
Pue, Le (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Pueblito, El (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Pueblo Nuevo (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Pueblo Nuevo Vinas (Guatemala)	Stratovolcano (None) Pleistocene	.....
Pueblo Viejo, Cerro del (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Puelamarum [Marum] (Vanuatu-SW Pacific)	Crater of Ambrym	0507-04=
Puelche Volc Field (Chile-C)	Volcanic field (None) Pleistocene	.....
Puellaro (Ecuador)	Dome of Mojanda	1502-005
Puente-Chapua Volc Field (Argentina)	Volcanic field (None) Pleistocene	.....
Puerta de la Laguna (El Salvador)	Maar of San Salvador	1403-05=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Puerta, La (Mexico)	Dome of Primavera, Sierra la	.....
Puerta, Volcan (Mexico)	Cinder cone of Mascota Volc Field	1401-031
Puerto, Cerro del (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Puerto, Volcan el (Mexico)	Cinder cone of Mascota Volc Field	1401-031
Puerto, Volcan el (Mexico)	Dome of Mascota Volc Field	1401-031
Puesto Cortaderas (Argentina)	Pyroclastic cone (None) Holocene	**1507-073**
Puet Sagu (Sumatra)	Synonym of Peuet Sague	0601-03=
Pugung (Sumatra)	Unknown (None) Post-Miocene	.....
Puhimau (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Puhipuhi (New Zealand)	Dome of Okataina	0401-05=
Puhuahuen (Chile-S)	Synonym of Osorno	1508-01=
Pui (Lesser Sunda Is)	Cone of Iya	0604-11=
Pu'i, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Puia Hou [Te Mari] (New Zealand)	Crater of Tongariro	0401-08=

Hugo Delgado-Granados (UNAM)

This 1997 aerial photo shows the summit crater of Mexico's **Popocatépetl** volcano with its floor covered by a newly extruded lava dome. Repeated lava dome growth and explosive destruction took place during a long-term eruption beginning in 1994.

Puig (Spanish for Hill) see proper name (e.g. Subia, Puig)		
Pujajauco (Pujajen) (Chile-S)	Synonym of Osorno	1508-01=
Pujalos, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Pukaki (New Zealand)	Tuff ring of Auckland Field	0401-02=
Pukeahua (New Zealand)	Dome of Maroa	0401-061
Pukeiti (New Zealand)	Cone of Auckland Field	0401-02=
Pukeiti (New Zealand)	Cone of Kaitake	.....
Pukekahu (New Zealand)	Dome of Reporoa	0401-06-
Pukekaikione (New Zealand)	Cone of Tongariro	0401-08=
Pukekaikiore (New Zealand)	Dome of Taupo	0401-07=
Pukekawa (New Zealand)	Shield volcano of South Auckland	.....
Pukekawa (New Zealand)	Cone of South Auckland	.....
Pukekiwiriki (New Zealand)	Tuff ring of Auckland Field	0401-02=
Pukekohe Hill (New Zealand)	Shield volcano of South Auckland	.....
Pukekohe Volc Field (New Zealand)	Synonym of South Auckland	.....
Pukekohu (Kermadec Is)	Crater of Raoul Island	0402-03=
Pukemoremore (New Zealand)	Dome of Maroa	0401-061
Pukeonake (New Zealand)	Cone of Ruapehu	0401-10=
Pukeonake (New Zealand)	Cone of Tongariro	0401-08=
Pukepoto (New Zealand)	Dome of Okataina	0401-05=
Pukepoto (New Zealand)	Cone of Whangarei	0401-011
Pukeroa (New Zealand)	Dome of Rotorua	.....
Puketarata (New Zealand)	Dome of Maroa	0401-061
Puketutu (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Puketutu Island (New Zealand)	Cone of Auckland Field	0401-02=
Puk'h'kowitz (US-Washington)	Synonym of Baker	1201-01=
Pukopuhi, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Puku Ngaahaaha (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Pula (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Pulacayo, Cerro (Chile-N)	Stratovolc. of Laguna-Pulacayo, Cerro	.....
Pulai [Kabhegy] (Hungary)	Shield volcano of Balaton Highland	.....
Pulali [Paraso] (Solomon Is-SW Pacific)	Thermal feature of Nonda	.....
Pular (Chile-N)	Stratovolcanoes (Uncertain) Holocene?	**1505-107**
Pulasari (Java)	Synonym of Pulosari	0603-01=
Pulau Weh (Sumatra)	Stratovolcano (None) Pleist.-Fumarolic	.....
Pule (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Pulea (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Pulo (Luzon-Philippines)	Synonym of Taal	0703-07=
Pulo Weh (Sumatra)	Synonym of Pulau Weh	.....
Pulosari (Java)	Stratovolcano (None) Holocene	**0603-01=**
Pulpito, Punta (Mexico)	Lava dome (None) Pleist.-Fumarolic	.....
Pulu Betah (Lesser Sunda Is)	Synonym of Tara, Batu	0604-26=
Pulu Kambing II (Pulu Komba) (Indonesia)	Synonym of Tara, Batu	0604-26=
Pulu Weh (Sumatra)	Synonym of Pulau Weh	.....
Pulucha, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Pululagua (Ecuador)	Caldera (4, 290) Radiocarbon	**1502-011**
Pululahua (Ecuador)	Synonym of Pululagua	1502-011

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Pulvermaar (Germany)	Maar of West Eifel Volc Field	0100-01-
Puma Ranga, Cerro (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Pumas, Los (Chile-S)	Crater of Osorno	1508-01=
Pumice Dome (Alaska Peninsula)	Dome of Aniakchak	1102-09-
Pumice Pit Dome (US-California)	Dome of Mono Craters	1203-12-
Pumice Stone Mountain (US-California)	Cone of Medicine Lake	1203-02-
Pumire, Cerro (Chile-N)	Unknown (None) Post-Miocene	.....
Pumpan, Mt. (Vanuatu-SW Pacific)	Stratovolcano (None) Pleistocene	.....
Pumpkin Hill (Honduras)	Cinder cone of Utila Island	1403-16-
Puna (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Punalica, Volcan (Ecuador)	Cone of Carihuairazo	.....
Punata (Chile-N)	Synonym of Guallatiri	1505-02=
Puncara [Anburo] (Ecuador)	Dome of Chachimbiro	1502-002
Punchbowl (US-California)	Dome of Mono Craters	1203-12-
Punchbowl, The (W Indies)	Crater of St. Catherine	1600-17=
Pundak, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Pundutan North (Java)	Crater of Lawu	0603-26=
Pundutan South (Java)	Crater of Lawu	0603-26=
Pung (New Guinea-NE of)	Crater of Umboi	0501-06=
Punggur, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Puni (New Zealand)	Cone of South Auckland	.....
Punikan (Lesser Sunda Is)	Unknown (None) Quaternary	.....
Punon Trehue (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Punta Conigliara (Italy)	Thermal feature of Vulcano	0101-05=
Punta de Iacopo (Italy)	Submarine vent of Lipari	0101-042
Punta del'Arco (Italy)	Vent of Pantelleria	0101-071
Punta Della Cannuccia (Italy)	Cone of Ischia	0101-03=
Punta Gorda (Nicaragua)	Cone of Concepción	1404-12=
Punta Imperatore (Italy)	Crater of Ischia	0101-03=
Punta La Scrofa (Italy)	Cone of Ischia	0101-03=
Punta Levante (Italy)	Thermal feature of Panarea	0101-041
Punta Marmolite (Italy)	Dome of Campi Flegrei	0101-01=
Punta Serra (Italy)	Tuff ring of Campi Flegrei	0101-01=
Punta Tosca (Mexico-Is)	Dome of Socorro	1401-021
Punta Tracino (Italy)	Vent of Pantelleria	0101-071
Punta Vincente Roca (Galapagos)	Tuff cone of Ecuador	1503-011
Punta Zacatepeque (El Salvador)	Dome of Ilopango	1403-06=
Puntas Negras, Volcan (Chile-N)	Stratovolc. Cordon de Puntas Negras	1505-101
Puntas, Cerro (Ecuador)	Stratovolcano (None) Pleistocene	.....
Punteagudo, Cerro (Chile-C)	Synonym Puntiagudo-Cordon Cenizos	1507-16-
Puntiagudo, Cerro (Mexico)	Cinder cone of San Martin	1401-11=
Puntiagudo-Cordón Cenizos (Chile)	Stratovolcano (1, 1850) Historical	**1507-16-**
Puntudo (Argentina)	Cinder cone of Unnamed	.....
Puntudo, El (Argentina)	Shield volc. of Northern Mendoza Field	.....
Pupandji (Sumatra)	Pyroclastic cone of Geureudong	.....
Pupuke, Lake (New Zealand)	Tuff ring of Auckland Field	0401-02=
Puquentica, Cerro [Cerro Puquintica] (Chile)	Stratovolcano of Arintica	.....
Puquintica, Cerro (Chile-N)	Stratovolcano of Arintica	.....
Puracé (Colombia)	Stratovolcanoes (25, 1977) Historical	**1501-06=**
Purahilla (Purahuille) (Chile-S)	Synonym of Osorno	1508-01=
Purakkanginan (Lesser Sunda Is)	Crater of Batur	0604-01=
Purakkauhan (Lesser Sunda Is)	Crater of Batur	0604-01=
Puraknja, Bukit (Lesser Sunda Is)	Cone of Batur	0604-01=
Purarrahue (Chile-S)	Synonym of Osorno	1508-01=
Purau (Vanuatu-SW Pacific)	Cone of Kuwae	0507-07=
Purchas Hill (New Zealand)	Cone of Auckland Field	0401-02=
Pureora (New Zealand)	Dome of Mangakino	.....
Pureora (New Zealand)	Dome of Maroa	0401-061
Purerua (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Purico Complex (Chile-N)	Pyroclastic shield (None) Holocene	**1505-094**
Purkholar (Iceland-W)	Cone of Snaefellsjökull	1700-01=
Purple (Alaska Peninsula)	Synonym of Black Peak	1102-08-
Purrumbete, Lake (Australia)	Maar of Newer Volcanics Prov	0509-01-
Purupuruni, Cerros (Perú)	Lava domes (None) Pleistocene	.....
Purutal (Colombia)	Pyroclastic cone San Augustin-Isnos	.....
Purvine Mesa (US-New Mexico)	Fissure vent of Raton-Clayton	.....
Pusukbukit (Sumatra)	Stratovolcano of Toba	0601-09=
Putahi (New Zealand)	Dome of Kaikohe-Bay of Islands	0401-01=
Putana (Chile-N)	Stratovolcano (1, 1810) Historical	**1505-09=**
Putas, Cerro (Chile-N)	Dome of Purico Complex	1505-094
Putih, Kawah (Java)	Crater of Patuha	0603-07=
Putikov Vrsok (Slovakia)	Cone of Central Slovakia	.....
Puting Lupa East (Luzon-Philippines)	Thermal feature San Pablo Volc Field	0703-06=
Puting Lupa Southeast (Luzon-Philippines)	Thermal feature San Pablo Volc Field	0703-06=
Putre, Nevados de (Chile-N)	Synonym of Taapaca	1505-011
Putre, Nevados de (Chile-N)	Stratovolcano of Taapaca	1505-011
Putri, Gunung (Java)	Cone of Guntur	0603-13=
Putri-Ewaranda, Gunung (Java)	Stratovolcano of Talagabodas	0603-15=
Putzalagua (Ecuador)	Lava dome (None) Pleistocene	.....
Putzalahua (Ecuador)	Synonym of Putzalagua	.....
Puu, Puy (Hawaiian and French for Hill) see proper name (e.g. Hualalai, Puu)		
Puulani (Hawaiian Is)	Cone of Kauai	.....
Puulena (Hawaiian Is)	Pit crater of Kilauea	1302-01-
Puyehue-Aguas Calientes Hot Springs (Chile)	Thermal feature of Antillanca Group	1507-153
Puyehue-Cordón Caulle (Chile-C)	Stratovolcano (25, 1990) Historical	**1507-15=**
Puyo (Ecuador)	Scoria cones (None) Pleistocene	.....
Puyuguapi (Chile-S)	Synonym of Puyuhuapi	1508-053
Puyuhuapi (Chile-S)	Cinder cones (None) Holocene	**1508-053**
Puyulek (Alaska Peninsula)	Synonym of Ugashik-Peulik	1102-13-
Pyramid (Canada)	Dome of Edziza	1200-06-
Pyramid Mountain (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Pyre Peak (Aleutian Is)	Cinder cone of Seguam	1101-18-
Pyro Hill (Aleutian Is)	Maar of Fisher	1101-35-

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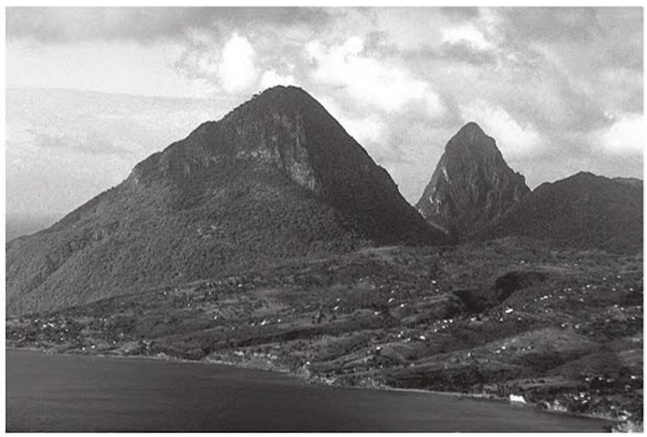
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Qal'eh Hasan Ali (Iran)	Maars (None) Holocene?	0302-02-
Qeni, Tell (Syria)	Cone of Druze, Jabal ad	0300-06-
Qiangbaqian (China-W)	Shield volcano of Unnamed	1004-04-
Qidr, Jabal (Arabia-W)	Stratovolcano of Khaybar, Harrat	0301-06=
Qishr, Jabal al (Arabia-W)	Cinder cone of Lunayyir, Harrat	0301-04-
Qixingling (SE Asia)	Cone of Leizhou Bandao	0705-01-
Qol, Jabal (Arabia-S)	Crater of Arhab, Harra of	0301-09-
Qualibou (W Indies)	Caldera (1, 1766) Historical	**1600-14=**
Quanshuigou (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Quarry (Ethiopia)	Dome of Dawa Ale-Quarry	.....
Quartz Mountain (US-Oregon)	Lava dome (None) Pleistocene	.....
Quatre Gueules (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Quatro Hermanos, Los (Galapagos)	Tuff cone of Negra, Sierra	1503-05=
Quebrada del Azufre Grande (Ecuador)	Thermal feature of Antisana	1502-03=
Quebrada Seca (Colombia)	Caldera of Bravo, Cerro	1501-012
Quechucabi of Ovalle (Chile-S)	Synonym of Minchinmavida	1508-04=
Quechulac (Mexico)	Maar of Serdan-Oriental	1401-092
Queen Mary (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Queen's Park (W Indies)	Crater of St. Catherine	1600-17=
Queimado, Cerro (Azores)	Dome of Agua de Pau	1802-09=
Quelguenco (Argentina)	Stratovolcano of Huanquihue Group	1507-123
Quellaipe (Quellaype) (Chile-S)	Synonym of Calbuco	1508-02=
Quemada de Orzola, La (Canary Is)	Crater of Lanzarote	1803-06-
Quemada, Montana (Canary Is)	Cone of Fuerteventura	1803-05-
Quemada, Montana [Caldera Rajada]	Cinder cone of Lanzarote	1803-06-
Quemada, Montana [Tacande] (Canary Is)	Cinder cone of La Palma	1803-01-
Quemadas, Islas (El Salvador)	Dome of Ilopango	1403-06=
Quemadas, Las Calderas (Canary Is)	Crater of Lanzarote	1803-06-
Quemadas, Los (Costa Rica)	Thermal feature of Tenorio	1405-031
Quemado [Riininahue] (Chile-C)	Maar of Carran-Los Venados	1507-14=
Quemado Volc Field (US-New Mexico)	Synonym of Red Hill	.....
Quemado, Cerro (Guatemala)	Dome of Almolonga	1402-04=
Quemado, Cerro (Mexico)	Cinder cone of Camargo Volc Field	.....
Quemado, Cerro (El Salvador)	Cinder cone of San Diego	1403-001
Quemado, Cerro (Bolivia)	Synonym of Tambo Quemado	1505-021
Quemado, Volcan de el (Canary Is)	Crater of Lanzarote	1803-06-
Quemados, Cerro de (Costa Rica)	Cinder cone of Irazu	1405-06=
Quemados, Cerros [Islas Quemadas]	Dome of Ilopango	1403-06=
Quepil, Cerro (Mexico)	Dome of Chichinautzin	1401-08=
Quesada (Costa Rica)	Cone of Platanar	1405-034
Quesnel Cone Group (Canada)	Pyroclastic cones (None) Quaternary	.....
Quesnel Lake (Canada)	Cone of Quesnel Cone Group	.....
Questrodugun (Chile-C)	Synonym of Sollipulli	1507-111
Quetena (Bolivia)	Fissure vent (None) Pleistocene?	.....
Quetrodugon (Chile-C)	Synonym of Sollipulli	1507-111
Quetrupe (Chile-S)	Synonym of Osorno	1508-01=



Lee Siebert (Smithsonian)

The Pitons, the dramatic landmarks of **Qualibou** volcano on the West Indies island of St. Lucia, are the eroded plugs of two Pleistocene lava domes. Gros Piton (L) and the even steeper Petit Piton (R) are pre-caldera domes of the late-Pleistocene Qualibou caldera.

Quetrupillan (Chile-C)	Stratovolcano (1, 1872) Historical	**1507-121**
Quetzaltenango, Volcan de [C. Quemado]	Dome of Almolonga	1402-04=
Queva, Nevado (Argentina)	Unknown (None) Pleistocene	.....
Quezaltepeque (Guatemala)	Volcanic field (None) Holocene	**1402-21-**
Quezaltepeque [El Boqueron] (El Salvador)	Stratovolcano of San Salvador	1403-05=
Quezon (Mindanao-Philippines)	Lava domes (None) Pleistocene	.....
Quick-Sman-Ik (US-Washington)	Synonym of Baker	1201-01=
Quilatoa (Ecuador)	Synonym of Quilotoa	1502-06=
Quilindana (Ecuador)	Stratovolcano of Chalupas	.....
Quill, The (W Indies)	Stratovolcano (3, 250) Radiocarbon	**1600-02=**
Quillaicahue (Chile-C)	Crater of Callaqui	1507-091
Quillayes, Crater los (Chile-C)	Crater of Azul, Cerro	1507-06=
Quilotoa (Ecuador)	Caldera (1, 1280) Radiocarbon	**1502-06=**
Quimsachata (Perú)	Lava dome (1, ~4450) Radiocarbon	**1504-00-**
Quimsachata, Cerro (Chile-N)	Unknown (None) Post-Miocene	.....
Quimsachata, Nevados de (Chile-N)	Synonym of Acotango	.....
Quinceo (Mexico)	Cone of Michoacan-Guanajuato	1401-06=
Quinchilca (Chile-C)	Stratovolcanoes (None) Pleistocene	.....
Quindio, Nevado del (Colombia)	Stratovolcano (None) Pleistocene	.....
Quinistaquillas (Perú)	Synonym of Huaynaputina	1504-03=
Quinlan, Mt. (Australia)	Cone of Atherton Volc Province	.....
Quinquilil (Chile-C)	Stratovolcano of Quetrupillan	1507-121
Quirotoa (Ecuador)	Synonym of Quilotoa	1502-06=
Quirrasco, Volcan (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Quito, Loma (Ecuador)	Dome of Pambamarca	.....
Quitralpillan (Chile-C)	Synonym of Villarrica	1507-12=
Quizapu (Chile-C)	Synonym of Azul, Cerro	1507-06=
Quizapu (Chile-C)	Crater of Azul, Cerro	1507-06=
Qummatain (Arabia-W)	Cone of Yar, Jabal	0301-08-
Quoin Hill (Vanuatu-SW Pacific)	Stratovolcano of Fatmalapa	.....
Quoin Hill (New Guinea-W)	Cone (None) Quaternary	.....
Quoin Island (Red Sea)	Cone of Hanish	0201-022
Quoin Island (Red Sea)	Cone of Zubair, Jebel	0201-02=
Qurayn, Jabal (Arabia-W)	Cone of Birk, Harrat al	0301-072

R

Raatu, Mt. (Vanuatu-SW Pacific)	Cone of Melkum, Mt.	.....
Rabalanakaia (New Britain-SW Pac)	Cone of Rabaul	0502-14=
Rabatana [Rabalanakaia] (New Britain)	Cone of Rabaul	0502-14=
Rabaul (New Britain-SW Pac)	Pyroclastic shield (15, 2010) Historical	**0502-14=**
Rabbit Ears (US-New Mexico)	Cone of Raton-Clayton	.....
Rabbit Mountain (Canada)	Unknown (None) Pleistocene	.....
Rabbit Mountain (US-New Mexico)	Dome of Valles Caldera	.....
Rabida (Galapagos)	Lava domes (None) Pleistocene	.....
Rabot (W Indies)	Dome of Qualibou	1600-14=
Racecourse Knob (Australia)	Shield volcano McBride Volc Province	.....
Raco, Volca (Spain)	Cone of Olot Volc Field	0100-03-
Radersberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Radicofani (Italy)	Volcanic neck (None) Pleistocene	.....
Radjabasa (Radjobaso) (Sumatra)	Synonym of Rajabasa	0601-29=
Radkevich (Kuril Is)	Crater of Tiatia	0900-03=
Ragac (Slovakia)	Cone of Filakovo-Salgotarjan	.....
Ragang (Mindanao-Philippines)	Stratovolcano (7, 1873) Historical	**0701-06=**
Ragged Jack (Aleutian Is)	Synonym of Isanotski	1101-37-
Ragged Top (Aleutian Is)	Cone of Semisopochnoi	1101-06-
Ragtown Craters (US-Nevada)	Synonym of Soda Lakes	1206-01-
Ragtown Ponds (US-Nevada)	Synonym of Soda Lakes	1206-01-
Raha, Harrat er- (Arabia-W)	Synonym of Rahah, Harrat ar	0301-01=
Raha, Harrat er- (Arabia-W)	Synonym of Rahat, Harrat	0301-07=
Rahah, Harrat ar (Arabia-W)	Volcanic field (None) Anthropology	**0301-01=**
Rahat, Harrat (Arabia-W)	Volcanic field (2, 1256) Historical	**0301-07=**
Rahoum [Dalahum] (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Rahtawu (Java)	Dome of Muria	0603-251
Raibe-dake (Hokkaido-Japan)	Stratovolcano of Orofure-Raiba	.....
Raiden (Hokkaido-Japan)	Cone of Niseko	0805-031
Raiden (Hokkaido-Japan)	Stratovolcanoes (None) Pleistocene	.....
Raihuén (Chile-C)	Crater of Antillanca Group	1507-153
Raikoke (Kuril Is)	Stratovolcano (3, 1924) Historical	**0900-25=**
Raikoketo (Raikoku) (Kuril Is)	Synonym of Raikoke	0900-25=
Rainbow Mountain (US-California)	Stratovolcano (None) Pleistocene	.....
Rainbow Mtn [Maungakakaramea] (New Zeal.)	Cone of Okataina	0401-05=
Rainbow River Cone (Alaska Peninsula)	Stratovolc. of Savonovski River Cluster	.....
Rainier (US-Washington)	Stratovolcano (21, 1894) Historical	**1201-03-**
Rairaindreketi (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Rairainiika (Fiji Is-SW Pacific)	Cone of Nairai	.....
Raja (Sumatra)	Unknown (None) Pleistocene	.....
Rajabasa (Sumatra)	Stratovolcano (None) Fumarolic	**0601-29=**
Rajada, Caldera (Canary Is)	Cinder cone of Lanzarote	1803-06-
Rajada, Montana (Canary Is)	Dome of Tenerife	1803-03-
Rajada, Montana [Caldera Rajada]	Cinder cone of Lanzarote	1803-06-
Rajaderas, Volcan (Chile-C)	Stratovolcano Descabezado Grande	1507-05=
Raja-Sabanda (Sumatra)	Unknown (None) Post-Miocene	.....
Rajobaso (Sumatra)	Synonym of Rajabasa	0601-29=
Rakata (Indonesia)	Stratovolcano of Krakatau	0602-00=
Raker Peak (US-California)	Cone of Lassen Volc Center	1203-08-
Rakhohkko (Kuril Is)	Synonym of Raikoke	0900-25=
Rakihan (Sumatra)	Cone of Besar	0601-25=
Rakutak, Gunung (Java)	Stratovolcano of Kamojang, Kawah	.....
Raikokeshima (Kuril Is)	Synonym of Raikoke	0900-25=
Raluan [Vulcan] (New Britain-SW Pac)	Pumice cone of Rabaul	0502-14=
Ramirez, Cerro (El Salvador)	Cinder cone of San Vicente	1403-07=
Ramirez, Cerro de los [Cerro Cerron]	Dome of Apastepeque Field	1403-071
Ramu, Doro (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Ranakah (Lesser Sunda Is)	Lava domes (2, 1991) Historical	**0604-071**
Ranakah, Pocok (Lesser Sunda Is)	Dome of Ranakah	0604-071
Ranas, Cerro las (El Salvador)	Stratovolcano of Apaneca Range	1403-01=
Ranas, Laguna Seca de la (El Salvador)	Crater of Apaneca Range	1403-01=
Ranau (Sumatra)	Caldera (Uncertain) Holocene?	**0601-251**
Rancagua (Chile-C)	Synonym of Tinguiririca	1507-03=
Rancheria River Volc Field (Canada)	Volcanic field of Tuya Volc Field	1200-031
Rancho la Poma (Mexico)	Cinder cone of Moctezuma Volc Field	.....
Ranco (Chile-C)	Synonym of Puyehue-Cordon Caulle	1507-15=
Randazzo, Cuddia (Italy)	Cone of Pantelleria	0101-071
Rangararanga Hill (Australia)	Cone of McBride Volc Province	.....
Rangataua Lakes (New Zealand)	Maar of Ruapehu	0401-10=
Rangitahua (Kermadec Is)	Crater of Raoul Island	0402-03=
Rangitoto (New Zealand)	Cone of Auckland Field	0401-02=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Rangitukua (New Zealand)	Dome of Taupo	0401-07=
Rano Aroi (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Rano Aroi (Chile-Is)	Fissure vent of Easter Island	1506-011
Rano Kau (Chile-Is)	Shield volcano of Easter Island	1506-011
Rano Kulo (Sulawesi-Indonesia)	Thermal feature of Tondano Caldera	0606-07-
Rano Randang (Sulawesi-Indonesia)	Thermal feature of Tondano Caldera	0606-07-
Rano Raraku (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Rano Sapet (Sulawesi-Indonesia)	Thermal feature of Tondano Caldera	0606-07-
Ranomafana (Madagascar)	Thermal feature of Ankaratra Field	0303-015
Ranquil del Sur, Volcan (Argentina)	Pyroclastic cone of Cochiquito Group	1507-071
Ranquil, Crater (Chile-C)	Cinder cone of Mocho-Choshuenco	1507-13=
Rantai-Betung (Sumatra)	Unknown (None) Post-Miocene	.....
Rante (Java)	Stratovolcano of Ijen	0603-35=
Rantemario-Latimojong (Indonesia)	Stratovolcanoes (None) Quaternary	.....
Rantop, Mt. (Vanuatu-SW Pacific)	Cone of Traitor's Head	0507-09=
Ranu (Halmahera-Indonesia)	Caldera of Todoko-Ranu	0608-05=
Raoeng (Java)	Synonym of Raung	0603-34=

Lee Siebert (Smithsonian)

The massive 4392-m-high glacier-mantled Mount **Rainier** forms the highest peak of the Cascade Range, with Mount Adams volcano in the distance. Two young overlapping cinder cones, their rims kept free of snow by high heat flow, form the flat summit of Rainier.

Raoul Island (Kermadec Is)	Stratovolcano (17, 2006) Historical	**0402-03=**
Rapa Nui (Chile-Is)	Synonym of Easter Island	1506-011
Rapanui (New Zealand)	Dome of Maroa	0401-061
Rapogi (Africa-E)	Cone of Homa Mountain	0202-07=
Rarotonga (Pacific-C)	Shield volcano (None) Pleistocene	.....
Rasa, Caldeira (Azores)	Crater of Flores	1802-001
Rasa, Lagoa (Azores)	Pumice ring of Sete Cidades	1802-08=
Rasberry Hills (W Indies)	Dome of Soufrière Hills	1600-05=
Raschlenenny (Kamchatka)	Dome of Bezymianny	1000-25=
Rashid, Harrat (Arabia-W)	Volcanic field of Rahat, Harrat	0301-07=
Rashowa (Kuril Is)	Synonym of Rasshua	0900-22=
Rasshua (Kuril Is)	Stratovolcano (2, 1957) Historical	**0900-22=**
Rassoshina (Kamchatka)	Shield volcano of Titila	1000-56-
Rasuyacu [Tishigcuchi] (Ecuador)	Dome of Illiniza	1502-041
Rasyova (Kuril Is)	Synonym of Rasshua	0900-22=
Ratanakiri (SE Asia)	Synonym of Bokeo Volc Field	.....
Ratas, Las (Mexico)	Cinder cone of Chichinautzin	1401-08=
Rataschenny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Ratieng (Africa-E)	Cone of Homa Mountain	0202-07=
Raton Mesa Volc Field (US-New Mexico)	Synonym of Raton-Clayton	.....
Raton-Clayton (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Ratu (Java)	Crater of Gede	0603-06=
Ratu, Kawah (Java)	Thermal feature of Salak	0603-05=
Ratu, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Raudahalsar (Iceland-W)	Cone of Ljosufjoll	1700-03=
Raudahraun (Iceland-S)	Fissure vent of Eyjafjallajokull	1702-02=
Raudakula (Iceland-W)	Cone of Ljosufjoll	1700-03=
Raudakula-Horgsholtshraun (Iceland-W)	Cone of Ljosufjoll	1700-03=
Raudakular (Iceland-W)	Cone of Helgrindur	1700-02=
Raudakula-Svelgarhraun (Iceland-W)	Cone of Ljosufjoll	1700-03=
Raudfossafjoll (Iceland-S)	Tuya of Torfajokull	1702-05=
Raudfossahraun (Iceland-S)	Crater Row of Hekla	1702-07=
Raudhalsar (Iceland-W)	Cone of Ljosufjoll	1700-03=
Raudholar (Iceland-NE)	Fissure vent of Fremrinamur	1703-07=
Raudholar (Iceland-SW)	Crater of Grimsnes	1701-06=
Raudholar (Iceland-NE)	Fissure vent of Grimsvotn	1703-01=
Raudholar (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Raudholar (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Raudholl (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Raudholl-Hafnarfjordur (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Raudibotn (Iceland-S)	Crater of Katla	1702-03=
Raudimelur (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Raudkembingur (Iceland-S)	Fissure vent of Hekla	1702-07=
Raudkollar (Iceland-S)	Fissure vent of Hekla	1702-07=
Raudolduhraun (Iceland-S)	Crater Row of Hekla	1702-07=
Raudoldur (Iceland-S)	Crater of Hekla	1702-07=
Raudubjallar (Iceland-S)	Fissure vent of Hekla	1702-07=
Rauduborgir (Iceland-NE)	Fissure vent of Fremrinamur	1703-07=
Rauduhnukagigir (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Raukoke (Kuril Is)	Synonym of Raikoke	0900-25=
Raung (Java)	Stratovolcano (62, 2008) Historical	**0603-34=**
Rausu (Hokkaido-Japan)	Stratovolcano (5, 1800) Radiocarbon	**0805-082**
Rausu-dake (Kuril Is)	Synonym of Mendeleev	0900-02=
Rausu-dake (Hokkaido-Japan)	Synonym of Rausu	0805-082
Ravenshoe (Australia)	Cone of Atherton Volc Province	.....
Raventhorpe (New Zealand)	Tuff cone of South Auckland	.....
Raveti (Solomon Is-SW Pacific)	Unknown (None) Post-Miocene	.....
Rawon (Java)	Synonym of Raung	0603-34=
Ray Mountain (Canada)	Fissure vent of Wells Gray-Clearwater	1200-15-
Ray, Mount (US-Oregon)	Shield volcano of Fuji Mountain	.....
Raya (Sumatra)	Synonym of Raja	.....
Rayhuen [Raihuen] (Chile-C)	Crater of Antillanca Group	1507-153
Raykoke (Kuril Is)	Synonym of Raikoke	0900-25=
Raymond, Puys (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Razlaty (Kamchatka)	Dome of Bezymianny	1000-25=
Razlaty (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Razorback, Mt. (Australia)	Cone of McBride Volc Province	.....
Razrushenny [Raschlenenny] (Kamchatka)	Dome of Bezymianny	1000-25=
Razval, Mount (Kuril Is)	Cone of Rasshua	0900-22=
Razzano, Monte (Italy)	Tuff cone of Sabatini Complex	.....
Reading Peak (US-California)	Dome of Lassen Volc Center	1203-08-
Realenco, El [Cerro el Cerrito] (El Salvador)	Cinder cone of San Salvador	1403-05=
Reaumur, Mt. (New Guinea-NE of)	Stratovolcano of Long Island	0501-05=
Rebanada, Caldera de (Canary Is)	Cinder cone of Fuerteventura	1803-05-
Rebeke, Jebel (Arabia-S)	Tuff cone of Haylan, Jabal	0301-11-
Rebunshiri (Kuril Is)	Cone of Grozny Group	0900-07=
Recess Nunatak (Antarctica)	Cone of Fosdick Mountains	.....
Recherche, La (Kermadec Is)	Synonym of Raoul Island	0402-03=
Recheschnoi (Aleutian Is)	Stratovolcano (None) Holocene	**1101-28-**
Reck (Greece)	Dome of Santorini	0102-04=
Reclus (Chile-S)	Cinder cone (4, 1908) Historical	**1508-063**
Red Bomb Crater (US-Oregon)	Cinder cone of Diamond Craters	1202-17-
Red Butte (US-Washington)	Cinder cone of Adams	1201-04-
Red Butte (US-Oregon)	Cone of Three Fingered Jack	.....
Red Cap Mountain (US-California)	Cone of Medicine Lake	1203-02-
Red Cinder Butte (US-Oregon)	Cinder cone of Cinnamon Butte	1202-15-
Red Cliff (W Indies)	Dome of Nevis Peak	1600-04=
Red Cone (US-Nevada)	Cone of Crater Flat	.....
Red Cone (US-Oregon)	Vent of Crater Lake	1202-16-
Red Cone (US-Oregon)	Cinder cone of Thielsen	.....
Red Cones (Hawaiian Is)	Cone of Kilauea	1302-01-
Red Cones (US-California)	Cinder cone of Mammoth Mountain	1203-15-
Red Crater (US-Oregon)	Cinder cone of Bachelor	1202-09-
Red Crater (New Zealand)	Crater of Tongariro	0401-08=
Red Hill (Hawaiian Is)	Cone of Haleakala	1302-06-
Red Hill (US-California)	Cone of Medicine Lake	1203-02-
Red Hill (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Red Hill (Galapagos)	Cone of Santa Cruz	1503-091
Red Hill (US-New Mexico)	Cinder cone of Taos Plateau	.....
Red Hill [South Fork] (US-California)	Cinder cone of Golden Trout Creek	1203-17-
Red Hill Cone (US-New Mexico)	Cone of Red Hill	.....
Red Hill Maar (US-New Mexico)	Maar of Red Hill	.....
Red Island (Indian O.-S)	Cone of Heard	0304-01=
Red Island (US-California)	Dome of Salton Buttes	1203-20-
Red Knoll (US-Utah)	Cone of Mineral Mts-Cove Fort	.....
Red Lake Mountain (US-California)	Cinder cone (None) Pleistocene	.....
Red Lake Mountain (US-California)	Cinder cone of Table Mountain	.....
Red Mountain (US-Washington)	Shield volcano of Indian Heaven	1201-07-
Red Mountain (US-New Mexico)	Cone of Raton-Clayton	.....
Red Mountain (US-Arizona)	Cone of San Francisco Volc Field	.....
Red Mountain (US-California)	Cinder cone of Table Mountain	.....
Red Mountain [Mt. Price] (Canada)	Stratovolcano of Garibaldi Lake	1200-19-
Red Mountain [Ol Doinyo Onyoke] (Africa-E)	Stratovolcano of Suswa	0202-11=
Red Mountain-Big Lava Bed (US-Wash.)	Synonym of Indian Heaven	1201-07-
Red Rock (Australia)	Maar of Newer Volcanics Prov	0509-01-
Red Rock Hill (US-California)	Cone of Twin Buttes	1203-04-
Red Rock Valley (US-Montana)	Stratovolcano (None) Pleistocene	.....
Red Shale Butte (US-California)	Cone of Medicine Lake	1203-02-
Red Top Mountain (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Redcloud (US-Oregon)	Vent of Crater Lake	1202-16-
Rededonda (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Redonda, Loma (Guatemala)	Dome of Redondo, Cerro	.....
Redondo de la Cruz, Cerro [Monte de la Cruz]	Cinder cone of Barva	1405-05=
Redondo Peak (US-New Mexico)	Dome of Valles Caldera	.....
Redondo, Cerro (Guatemala)	Cinder cone of Chingo	1402-17-
Redondo, Cerro (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Redondo, Cerro (Guatemala)	Cinder cone of Güistepeque Volc Field	.....
Redondo, Cerro (Guatemala)	Shield volcanoes (None) Quaternary	.....
Redondo, Cerro Monte (Guatemala)	Cinder cone of Pueblo Nuevo Viñas	.....
Redondo, Volcán (Chile-C)	Cone of Caburgua-Huelemolle	1507-112
Redondo, Volcán (Chile-C)	Cone of Sollipulli	1507-111
Redoubt (Alaska-SW)	Stratovolcano (16, 2009) Historical	**1103-03-**
Rees, Mount (Antarctica)	Cone of Crary Group	.....
Refineria (Nicaragua)	Crater of Nejapa-Miraflores	1404-092
Reforma, La (Mexico)	Caldera (None) Pleistocene	.....
Regolo, Monte (Italy)	Cone of Sabatini Complex	.....
Regulo, Ranu (Java)	Maar of Semeru	0603-30=
Rehai (SE Asia)	Thermal feature of Tengchong	0705-11-
Reicho-sen (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Reini (Bougainville-SW Pacific)	Stratovolcano of Billy Mitchell	0505-011
Rejo te Kavachi (Solomon Is-SW Pacific)	Synonym of Kavachi	0505-06=
Rekkame Volc Field (Africa-N)	Explosion craters (None) Pleistocene	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Rokkannon-Mi-ike (Kyushu-Japan)	Maar of Kirishima	0802-09=
Rokko (Kuril Is)	Caldera of Urbich Caldera	.....
Rolles Peak (New Zealand)	Stratovolcano of Maroa	0401-061
Rollizos (Chile-S)	Cone of Cayutue-La Vigueria	1508-012
Romani Hill (Africa-E)	Dome of Nyambeni Hills	0202-056
Romano (Italy)	Crater of Campi Flegrei	0101-01=
Romanovka (Kamchatka)	Stratovolcano (None) Holocene?	**1000-34-**
Rombongan, Gunung (Lesser Sunda Is)	Dome of Rinjani	0604-03=
Romeral (Colombia)	Stratovolcano (1, -5950) Radiocarbon	**1501-011**
Romo, Volcan (Mexico)	Maar of Pinacate	1401-001
Rond, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Ronde, Ile de (W Indies)	Vent of Kick 'em Jenny	1600-16=
Rongo (Africa-E)	Cone of Homa Mountain	0202-07=
Roodja (Rooja) (Lesser Sunda Is)	Cone of Iya	0604-11=
Rooja (Lesser Sunda Is)	Cone of Iya	0604-11=

Tom Simkin (Smithsonian)

Mud oozing from a miniature vent in a thermal area of the **Rotorua** caldera in New Zealand mimics a lava flow with minature flow ridges perpendicular to the direction of movement. Dessication cracks cut the surface of the older surrounding mud.

Rooke Island (New Guinea-NE of)	Synonym of Umboi	0501-06=
Rook's Bay (Indian O.-S)	Tuff cone of Marion Island	0304-07-
Roque de Infierno (Canary Is)	Cone of Lanzarote	1803-06-
Roque Grande (Canary Is)	Cinder cone of Hierro	1803-02-
Roques Blancos (Canary Is)	Dome of Tenerife	1803-03-
Roquillo, Montaña del [Volcan de Fasnia]	Cinder cone of Tenerife	1803-03-
Rosamel Island (Antarctica)	Tuff cone of Tabarin Peninsula	.....
Rosario, Baños del (Guatemala)	Thermal feature of Almolonga	1402-04=
Rosario, Cerro del (El Salvador)	Dome of Ilopango	1403-06=
Rosario, Cerro el (Guatemala)	Cinder cone of Redondo, Cerro	.....
Rosario, Cerro el (Mexico)	Cinder cone Zitacuaro-Valle de Bravo	1401-061
Rosario, El (Mexico)	Vent of Northern Atenguillo	.....
Rosarito Volc Field, El (Mexico)	Synonym of San Borja Volc Field	1401-007
Rosas, Montaña de las (Canary Is)	Cinder cone of Hierro	1803-02-
Rose Garden (Pacific-E)	Thermal feature of Galapagos Rift	1304-07-
Rose Island (Samoa-SW Pacific)	Shield volcano (None) Pleistocene	.....
Rosebud (Pacific-E)	Thermal feature of Galapagos Rift	1304-07-
Rosey, Mt. (Australia)	Cone of McBride Volc Province	.....
Roskill, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
Ross Rocks (Indian O.)	Tuff cone of Prince Edward Island	0304-06-
Ross, Mount (Indian O.-S)	Stratovolcano of Kerguelen Islands	0304-02=
Rosse, Cuddie (Italy)	Cone of Pantelleria	0101-071
Rosso, Monte (Italy)	Cinder cone of Etna	0101-06=
Rosso, Monte (Italy)	Cone of Vulcano	0101-05=
Rosso, Mt. (Italy)	Cone of Vulsini	0101-003
Rosto de Cao (Azores)	Tuff cone of Picos Volc System	1802-081
Rota (Nicaragua)	Stratovolcano (None) Holocene	**1404-06-**
Rotaro (Italy)	Dome of Ischia	0101-03=
Rotoatua, Lake (New Zealand)	Crater of Okataina	0401-05=
Rotoehu, Lake [Rotoma Geothermal Fd]	Thermal feature of Okataina	0401-05=
Rotoiti (New Zealand)	Pleistocene caldera of Okataina	0401-05=
Rotoiti (New Zealand)	Thermal feature of Rotorua	.....
Rotokakahi (New Zealand)	Dome of Kapenga	.....
Rotokakahi (New Zealand)	Dome of Okataina	0401-05=
Rotokaua (New Zealand)	Thermal feature of Maroa	0401-061
Rotokawa [Rotokaua] (New Zealand)	Thermal feature of Maroa	0401-061
Rotokawa, Lake (New Zealand)	Thermal feature of Rotorua	.....
Rotokawau, Lake (New Zealand)	Maar of Okataina	0401-05=
Rotokohu (New Zealand)	Dome of Okataina	0401-05=
Rotoma (New Zealand)	Pleistocene caldera of Okataina	0401-05=
Rotoma Geothermal Field (New Zealand)	Thermal feature of Okataina	0401-05=
Rotomahana (New Zealand)	Dome of Okataina	0401-05=
Rotomahana (New Zealand)	Thermal feature of Okataina	0401-05=
Rotopounamu, Lake (New Zealand)	Crater of Northern Tongariro Group	.....
Rotorua (New Zealand)	Vent of Okataina	0401-05=
Rotorua (New Zealand)	Caldera (None) Pleistocene-Geysers	.....
Rotorua Geothermal Field (New Zealand)	Thermal feature of Rotorua	.....
Rouge, Morne (Indian O.-S)	Cone of Cochons, Ile aux	0304-05-
Rouge, Morne (W Indies)	Cone of Plat Pays, Morne	1600-11=
Rouge, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Rouge, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Round Head (Aleutian Is)	Cone of Kanaga	1101-11-
Round Hill (Atlantic-S)	Cinder cone of Inaccessible Island	.....
Round Hill (W Indies)	Dome of Nevis Peak	1600-04=
Round Hill (W Indies)	Synonym of Quill, The	1600-02=
Round Island (Red Sea)	Cone of Hanish	0201-022
Round Mountain (US-California)	Cone of Clear Lake	1203-10-
Round Mountain (Canada)	Vent of Garibaldi	1200-20-
Round Top (Hawaiian Is)	Cone of Koolau	.....
Roundhead, Mt. (Solomon Is-SW Pacific)	Cone of Gallego	0505-062
Roundtop (Aleutian Is)	Stratovolcano (1, -7600) Radiocarbon	**1101-38-**
Roundtop Mountain (US-California)	Cone of Clear Lake	1203-10-
Roung (Java)	Synonym of Raung	0603-34=
Rouse (Kuril Is)	Synonym of Mendeleev	0900-02=
Rowo, Gunung (Java)	Maar of Muria	0603-251
Royal Society Range (Antarctica)	Cinder cones (None) Holocene?	**1900-021**
Royce (New Zealand)	Crater of White Island	0401-04=
Royce Mountain (US-Oregon)	Shield volcano of Davis Lake	1202-10-
Ruagare (Africa-C)	Cone of Karisimbi	0203-04-
Ruahine Springs (New Zealand)	Thermal feature of Rotorua	.....
Ruamata (New Zealand)	Pumice cone of Mayor Island	0401-021
Ruang (Sangihe Is-Indonesia)	Stratovolcano (12, 2002) Historical	**0607-01=**
Ruapahu (New Zealand)	Synonym of Ruapehu	0401-10=
Ruapehu (New Zealand)	Stratovolcano (64, 2007) Historical	**0401-10=**
Ruawahia (New Zealand)	Dome of Okataina	0401-05=
Rubio, Cerro (US-New Mexico)	Dome of Valles Caldera	.....
Rubona (Africa-C)	Cone of Nyiragongo	0203-03=
Ruby (Mariana Is-C Pacific)	Submarine volcano (2, 1995) Historical	**0804-202**
Ruby Creek (Canada)	Vent of Atlin Volc Field	1200-03-
Ruby Mountain (Canada)	Cone of Atlin Volc Field	1200-03-
Rucharu (Kuril Is)	Synonym of Vetrovoi Isthmus Caldera	.....
Ruckenberg, Mount (New Britain-SW Pac)	Dome of Sulu Range	0502-09=
Rucu Pichincha (Ecuador)	Stratovolcano of Guagua Pichincha	1502-02=
Rudakov (Kuril Is)	Stratovolcano (None) Holocene?	**0900-112**
Ruddy Mountain (Alaska-E)	Dome of Drum	.....
Ruderbüsch (Germany)	Cone of West Eifel Volc Field	0100-01-
Rudich's Cone (Kamchatka)	Dome of Uzon	1000-17=
Rudolf (New Zealand)	Former crater of White Island	0401-04=
Ruedas, Cerro las (Guatemala)	Cone of Ipala	1402-19-
Rugarama (Africa-C)	Cone of Nyamuragira	0203-02=
Rugarambiro (Africa-C)	Cone of Nyamuragira	0203-02=
Rugged Island (Red Sea)	Cone of Zubair, Jebel	0201-02=
Ruhara (Africa-C)	Cone of Karisimbi	0203-04-
Ruik, Lake (New Britain-SW Pac)	Crater of Du Faure	.....
Ruivo, Pico (Azores)	Cinder cone of Madeira	1802-12-
Ruiz, Nevado del (Colombia)	Stratovolcano (18, 1991) Historical	**1501-02=**
Ruk Island (New Guinea-NE of)	Synonym of Umboi	0501-06=
Ruko (Kuril Is)	Synonym of Ebeko	0900-38=
Rukondja (Africa-C)	Cone of Karisimbi	0203-04-
Rumble I (New Zealand)	Submarine volcano (None) Quaternary	.....
Rumble II West (New Zealand)	Submarine volcano (None) Fumarolic	**0401-131**
Rumble III (New Zealand)	Submarine volcano (6, 2008) Historical	**0401-13-**
Rumble IV (New Zealand)	Submarine volcano (None) Fumarolic	**0401-12-**
Rumble V (New Zealand)	Submarine volcano (None) Fumarolic	**0401-11-**
Rumengan (Sulawesi-Indonesia)	Synonym of Mahawu	0606-11=
Rumicola (Perú)	Cone of Huambutillo-Rumicola	.....
Ruminahui (Ecuador)	Stratovolcano (None) Pleistocene?	.....
Rumoka (Africa-C)	Cone of Nyamuragira	0203-02=
Runcing (Sumatra)	Unknown (None) Quaternary	.....
Rungapapa Knoll (New Zealand)	Submarine volcano (None) Quaternary	.....
Rungu (Africa-C)	Cone of Karisimbi	0203-04-
Rungwe (Africa-E)	Stratovolcano (2, -50) Radiocarbon	**0202-166**
Runu, Wolo (Lesser Sunda Is)	Crater of Inielika	0604-09=
Ruru, Tavani (Vanuatu-SW Pacific)	Stratovolcano of Kuwae	0507-07=
Rurui (Kuril Is)	Stratovolcano of Smirnov	0900-021
Rurutu (Pacific-C)	Shield volcano (None) Pleistocene	.....
Rusa Raja (Rusa Radja) (Lesser Sunda Is)	Synonym of Paluweh	0604-15=
Rusciello, Monte (Italy)	Crater of Campi Flegrei	0101-01=
Rusekere [Kasekere] (Africa-C)	Tuff cone of Fort Portal	0203-001
Rush Hill (Alaska-W)	Cinder cone of St. Paul Island	1104-01-
Rushashu (Africa-C)	Cone of Karisimbi	0203-04-
Rushayo (Africa-C)	Cone of Nyiragongo	0203-03=
Russel Peak (Antarctica)	Synonym of Sturge Island	1900-012
Rutoke (Africa-C)	Cone of Nyiragongo	0203-03=
Rutudagi (Turkey)	Dome of Süphan Dagi	0103-021
Rwamisega (Africa-C)	Cone of Karisimbi	0203-04-
Rwenkuba (Africa-C)	Tuff cone of Fort Portal	0203-001
Ryohaku Maru-yama (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Ryoshi-dake (Kyushu-Japan)	Cone of Kuju	0802-12=
Ryoun-dake (Hokkaido-Japan)	Dome of Daisetsu	0805-06=
Ryponkicha (Kuril Is)	Synonym of Ushishur	0900-21=
Ryuzan (Honshu-Japan)	Stratovolcano of Zao	0803-19=

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Saar, Kawah (Java)	Thermal feature of Kamojang, Kawah	.....
Saat, Kawah (Java)	Thermal feature of Talagabodas	0603-15=
Saavedra, Cerro los (Mexico)	Cone of Tequila	.....
Saba (W Indies)	Stratovolcano (1, 1640) Historical	**1600-01=**
Saba Island (Red Sea)	Cone of Zubair, Jebel	0201-02=
Sabalan (Iran)	Stratovolcano (None) Holocene	**0302-002**
Sabale (Halmahera-Indonesia)	Caldera of Tidore	0608-061
Sabana Redonda (Costa Rica)	Cone of Poas	1405-04=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sabancaya (Perú)	Stratovolcanoes (10, 2003) Historical	**1504-006**
Sabanda, Bukit (Sumatra)	Cone of Raja-Sabanda	.....
Sabanetas, Las [Laguna Seca] (Nicaragua)	Maar of Pilas, Las	1404-08=
Sabangan (Mindanao-Philippines)	Dome of Apo	0701-03=
Sabatini Complex (Italy)	Stratovolcanoes (None) Pleistocene	.....
Sabinosa (Canary Is)	Cinder cone of Hierro	1803-02-
Sabinyo (Africa-C)	Stratovolcano (None) Pleistocene	.....
Sabober (Ethiopia)	Tuff ring of Fentale	0201-19=
Saboke, Doro (Lesser Sunda Is)	Unknown (None) Quaternary	.....
Saboma (Admiralty Is-SW Pacific)	Crater of Baluan	0500-02-
Sabrana, La [Cerro Alegria] (El Salvador)	Cone of Tecapa	1403-08=
Sabu, Ol Doinyo (Africa-E)	Cone of Nyambeni Hills	0202-056
Sabyinyo (Africa-C)	Synonym of Sabinyo	.....
Sacabaya (Bolivia)	Synonym of Tambo Quemado	1505-021
Sachiusu-dake (Kuril Is)	Synonym of Baransky	0900-08=
Sacrofano (Italy)	Caldera of Sabatini Complex	.....
Saddle (New Ireland-SW Pacific)	Thermal feature of Ambitle	0504-02=
Saddle Butte (US-Oregon)	Volcanic field (None) Pleistocene	.....
Saddle Hill (W Indies)	Dome of Nevis Peak	1600-04=
Saddle Island (Red Sea)	Cone of Zubair, Jebel	0201-02=
Saddle Mount (New Britain-SW Pac)	Lava dome (None) Post-Miocene	.....
Saddle Mountain (US-Oregon)	Shield volcano of Sprague River Valley	.....
Saddle Mountain (US-Oregon)	Cone of Three Fingered Jack	.....
Saddle Point (Indian O -S)	Cone of Heard	0304-01=
Sadier (China-E)	Synonym of Shatu	.....
Sadiman (Africa-E)	Stratovolcano (None) Pleistocene?	.....
Saefell (Iceland-S)	Tuff cone of Vestmannaeyjar	1702-01=
Saefell (Iceland-S)	Tuff ring of Vestmannaeyjar	1702-01=
Safont, Puig (Spain)	Cone of Olot Volc Field	0100-03-
Saga, Wolo (Lesser Sunda Is)	Crater of Inielika	0604-09=
Sagan (Russia-SE)	Cone of Azas Plateau	1002-07-
Saghegy (Hungary)	Cone of Kemenesalja	.....
Sago (Sumatra)	Synonym of Melintang	.....
Sagoatoa (Ecuador)	Stratovolcano (None) Pleistocene	.....
Saguta Swamp [Suguta-Logkipi] (Africa-E)	Thermal feature of Barrier, The	0202-03=
Sahach (Kamchatka)	Synonym of Kuzheten	.....
Sahand (Iran)	Stratovolcano (None) Holocene	**0302-001**
Saho Brani (Halmahera-Indonesia)	Crater of Dukono	0608-01=
Sahu (Halmahera-Indonesia)	Cone of Todoko-Ranu	0608-05=
Saing (Java)	Cone of Iyang-Argapura	0603-33=
Sainokawara Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Saint see St (e.g. St. Helens)		
Saint-Hippolyte, Cratere de (France)	Maar of Chaine des Puys	0100-02-
Sairecabur (Chile-N)	Stratovolcanoes (None) Holocene	**1505-091**
Sajaka (Aleutian Is)	Stratovolcano of Tanaga	1101-08-
Sajaka Two (Aleutian Is)	Cone of Tanaga	1101-08-
Sajama, Nevado del (Bolivia)	Stratovolcano (None) Pleistocene	.....
Sajiki-yama (Honshu-Japan)	Dome of Eboshi	.....
Sajiki-yama (Honshu-Japan)	Cone of Fuji	0803-03=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Saka (Africa-C)	Tuff cone of Fort Portal	0203-001
Sakar (New Guinea-NE of)	Stratovolcano (None) Holocene?	**0501-08=**
Sakarat, Kawah (Java)	Thermal feature of Kamojang, Kawah	.....
Sakuchi (Ryukyu Is)	Caldera of Suwanose-jima	0802-03=
Sakura-jima (Kyushu-Japan)	Stratovolcano (47, 2010) Historical	**0802-08=**
Sakura-zima (Kyushu-Japan)	Synonym of Sakura-jima	0802-08=
Sala y Gomez (Chile-Is)	Shield volcano? (None) Pleistocene	.....
Salaita (Africa-E)	Cone of Kilimanjaro	0202-15=
Salak (Java)	Stratovolcano (5, 1938) Historical	**0603-05=**
Salal Creek (Canada)	Synonym of Bridge River Cones	1200-17-
Salal Glacier (Canada)	Synonym of Bridge River Cones	1200-17-
Salal Glacier (Canada)	Cone of Bridge River Cones	1200-17-
Salar de Antofalla (Argentina)	Volcanic field Antofagasta de la Sierra	1505-18-
Salasi (Sumatra)	Synonym of Talang	0601-16=
Salelologa (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Salgotarjan (Hungary)	Synonym of Nograd	.....
Salgovar (Hungary)	Cone of Nograd	.....
Salina (Italy)	Stratovolcanoes (None) Pleistocene	.....
Salitre de Cerro, El (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Salt Lake (D'Entrecasteaux Is)	Thermal feature of Iamalele	0503-05=
Salt Lake (Hawaiian Is)	Tuff cone of Koolau	.....
Salt Lake (Galapagos)	Crater of Santiago	1503-09=
Salt Pond Peninsula (W Indies)	Dome of Liamuiga	1600-03=
Salteberg (Germany)	Cone of East Eifel Volc Field	.....
Salto del Corvo, Monte (Italy)	Cinder cone of Etna	0101-06=
Salto, Cerro el (Mexico)	Cinder cone of Camargo Volc Field	.....
Salton Buttes (US-California)	Lava domes (1, ~6450) Hydration Rind	**1203-20-**
Salton Creek (US-California)	Vent of Pinto Basin-Salton Creek	.....
Saltos, Montana de los (Canary Is)	Cone of Fuerteventura	1803-05-
Salty Dawg (Pacific-NE)	Thermal feature of Endeavour Ridge	1301-01-
Salvatierra (Mexico)	Synonym of San Luis, Isla	1401-003
Sama (Africa-E)	Crater of Rungwe	0202-166
Samakkenupuri (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Samara, Montana (Canary Is)	Fissure vent of Tenerife	1803-03-
Samarga Plateau [Nelma Plateau Volc Field]	Fissure vent of Sikhote-Alin	1002-01-
Samat, Mt (Luzon-Philippines)	Cone of Mariveles	0703-081
Samau (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Sambe (Honshu-Japan)	Synonym of Sanbe	0803-002
Sambinongko (Java)	Dome of Tengger Caldera	0603-31=
Sambu, Ol Doinyo (Africa-E)	Cone of Chyulu Hills	0202-13=
Sambu, Oldonyo (Africa-E)	Cone of Meru	0202-16=
Sampaloc Lake (Luzon-Philippines)	Maar of San Pablo Volc Field	0703-06=
Sampaloc Warm Springs (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
Sampeanwani (Lesser Sunda Is)	Maar of Batur	0604-01=
Sampu Olkuo (Africa-E)	Cinder cone of Suswa	0202-11=
Samra as Safra (Arabia)	Tuff ring of Hutaymah, Harrat	.....
San Agustin, Cerro (Bolivia)	Stratovolcano (None) Holocene?	.....
San Alessandro (Volcano Is-Japan)	Synonym of Kita-Iwo-jima	0804-11=
San Alfonso (Ecuador)	Dome of Chachimbiro	1502-002

Dick Stoiber (Dartmouth College)

Sakura-jima volcano on the southern Japanese island of Kyushu entered a period of frequent but intermittent moderate explosive eruptions in October 1955 that has continued until the present. Ashfall from the active vent at Minami-dake has often disrupted life at Kagoshima, southern Kyushu's largest city, located just 7 km across the bay.

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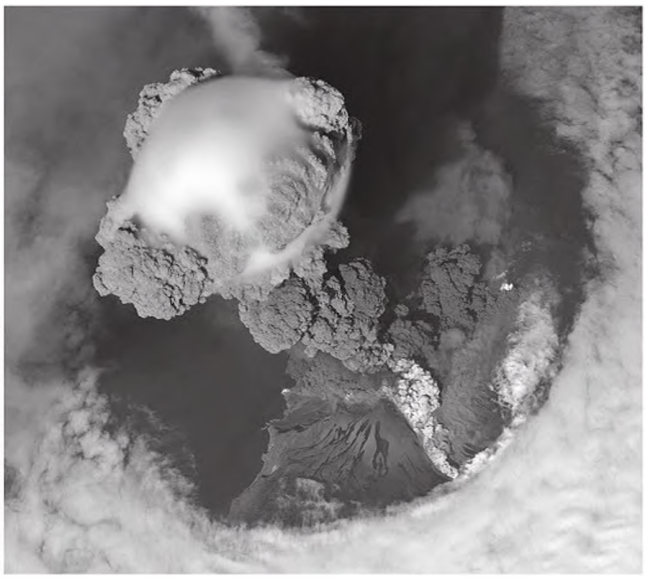
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
San Andres, Cerro de (Mexico)	Dome of Azufres, Los	.....
San Andres, Montana de (Canary Is)	Cone of Fuerteventura	1803-05-
San Andres, Sierra de (Mexico)	Therm. feature Michoacan-Guanajuato	1401-06=
San Angelo, Monte (Italy)	Stratovolcano of Lipari	0101-042
San Antonio (Philippines-C)	Thermal feature of Biliran	0702-08=
San Antonio (Canary Is)	Cinder cone of La Palma	1803-01-
San Antonio (Mexico)	Stratovolcano of Tacana	1401-13=
San Antonio (Italy)	Dome of Vico-Cimino Complex	.....
San Antonio Hot Springs (US-New Mexico)	Thermal feature of Valles Caldera	.....
San Antonio I, Cerro (Guatemala)	Cinder cone of Santiago, Cerro	1402-15-
San Antonio Mountain (US-New Mexico)	Dome of Valles Caldera	.....
San Antonio, Cerro (Nicaragua)	Cinder cone of Granada	1404-101
San Antonio, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
San Augustín-Isnos (Colombia)	Volcanic field (None) Quaternary	.....
San Bartolo (Ecuador)	Stratovolcano of Mojanda	1502-005
San Bartolo (Italy)	Vent of Stromboli	0101-04=
San Bartolo (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
San Bartolo, Cerro (Guatemala)	Cinder cone of Chingo	1402-17-



NASA Space Shuttle image ISS020-E-9048

This NASA Space Shuttle view on June 12, 2009 shows an eruption plume from **Sarychev Peak** that rose to 16-21 km altitude and pyroclastic flows that reached the sea and extended the shoreline during one of the largest historical eruptions in the Kuril Islands.

San Bartolo, Cerro (Mexico)	Cinder cone of Southern Guadalajara	.....
San Benedicto Island (Mexico-Is)	Synonym of Barcena	1401-02=
San Bernardino (US-Arizona)	Synonym of Geronimo	.....
San Borja Volc Field (Mexico)	Cinder cones (None) Holocene	**1401-007**
San Bras, Lagoa de (Azores)	Maar of Agua de Pau	1802-09=
San Carlos (El Salvador)	Thermal feature of Apaneca Range	1403-01=
San Carlos (Africa-W)	Shield volcano (None) Holocene	**0204-002**
San Carlos (US-Arizona)	Volcanic field (None) Pleistocene	.....
San Carlos, Crateres de (Chile-C)	Cinder cone of Mocho-Choshuenco	1507-13=
San Cristobal (Luzon-Philippines)	Stratovolcano of Banahaw	0703-05=
San Cristóbal (Galapagos)	Shield volcano (None) Holocene	**1503-12-**
San Cristóbal (Nicaragua)	Stratovolcano (18, 2009) Historical	**1404-02=**
San Diego (El Salvador)	Volcanic field (None) Holocene	**1403-001**
San Diego Spring (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
San Félix (Chile-Is)	Shield volcano (None) Holocene	**1506-01=**
San Fernando (Nicaragua)	Cone of Zapatera	1404-111
San Fernando [Masaya] (Nicaragua)	Crater of Masaya	1404-10=
San Francisco (Chile-N)	Stratovolcano (None) Pleistocene	.....
San Francisco (Guatemala)	Dome of Tecuamburro	1402-12=
San Francisco (Nicaragua)	Dome of Zapatera	1404-111
San Francisco (Mexico)	Crater of Zitacuaro-Valle de Bravo	1401-061
San Francisco Peak (US-Arizona)	Cone of San Francisco Volc Field	.....
San Francisco Volc Field (US-Ariz.)	Stratovolcanoes (None) Pleistocene	.....
San Fransisco (Perú)	Synonym of Misti, El	1504-01=
San Gaspar, Cerro (Guatemala)	Cinder cone of Ixtepeque	1402-18-
San Geronimo (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
San Giacomo (Italy)	Crater of Campi Flegrei	0101-01=
San Ignacio del Bosque, Lomas [El Bosque]	Dome of Rota	1404-06-
San Ignacio Volc Field (Mexico)	Volcanic field (None) Pleistocene	.....
San Ildefonso, Cerro (Nicaragua)	Cone of Lajas, Las	1404-133
San Isidro (Mexico)	Cinder cone of Colima	1401-04=
San Isidro, Loma (Nicaragua)	Cone of San Cristobal	1404-02=
San Jacinto [Santa Clara] (Nicaragua)	Stratovolcano of Telica	1404-04=
San Jacinto Viejo, Cerro (Nicaragua)	Synonym of San Jacinto, Cerro	.....
San Jacinto, Cerro (El Salvador)	Dome of Ilopango	1403-06=
San Jacinto, Cerro (Nicaragua)	Stratovolcano (None) Pleistocene?	.....
San Jacinto, Hervideros de (Nicaragua)	Thermal feature of Telica	1404-04=
San Joaquin (Africa-W)	Shield volcano (None) Holocene	**0204-003**
San Joaquin Jaripeo (Mexico)	Shield volc. of Michoacán-Guanajuato	1401-06=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
San Jorge (Ecuador)	Dome of Mojanda	1502-005
San Jorge (Azores)	Fissure vent (6, 1907) Historical	**1802-03=**
San Jorge, Cerro de (El Salvador)	Cone of San Diego	1403-001
San Jose (El Salvador)	Thermal feature of Apaneca Range	1403-01=
San Jose (Luzon-Philippines)	Thermal feature of Cagua	0703-09=
San José (Chile-C)	Stratovolcano (7, 1960) Historical	**1507-02=**
San Jose de Maipo (Chile-C)	Synonym of San Jose	1507-02=
San Juan (Canary Is)	Fissure vent of La Palma	1803-01-
San Juan (Nicaragua)	Crater of Masaya	1404-10=
San Juan (Hispaniola)	Cinder cones (None) Pleistocene	.....
San Juan (Mexico)	Stratovolcanoes (None) Pleistocene	.....
San Juan (Mexico)	Synonym of Sanganguey	1401-024
San Juan Cuecuelco, Cerro (Mexico)	Cinder cone of Gloria, La	1401-097
San Juan de Amatitlan (Guatemala)	Synonym of Pacaya	1402-11=
San Juan, Cerro (Guatemala)	Cinder cone of Santiago, Cerro	1402-15-
San Juan, Loma (Nicaragua)	Stratovolcano of Cosigüina	1404-01=
San Lazaro, Cerro (El Salvador)	Dome of Apaneca Range	1403-01=
San Lorenzo (El Salvador)	Pit crater of Apastepeque Field	1403-071
San Lucas (Guatemala)	Synonym of Toliman	1402-07=
San Lucas (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
San Lucas, Loma (Nicaragua)	Cone of San Cristobal	1404-02=
San Luis Atexcac [Laguna Atexcac] (Mexico)	Maar of Serdan-Oriental	1401-092
San Luis el Alto (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
San Luis, Cerro (US-New Mexico)	Dome of Valles Caldera	.....
San Luis, Isla (Mexico)	Tuff cone (None) Holocene	**1401-003**
San Marcelino (El Salvador)	Cinder cone of Santa Ana	1403-02=
San Marta, Volcan (Mexico)	Synonym of San Martin Pajapan	.....
San Martin (Canary Is)	Cinder cone of La Palma	1803-01-
San Martin (Mexico)	Shield volcano (12, 1796) Historical	**1401-11=**
San Martin (Mexico)	Cinder cone of San Quintin Volc Field	1401-002
San Martín Pajapan (Mexico)	Stratovolcanoes (None) Pleistocene	.....
San Martin Tuxtla (Mexico)	Synonym of San Martin	1401-11=
San Martin, Cerro (Guatemala)	Cinder cone of Redondo, Cerro	.....
San Martin, Cerro (Mexico)	Stratovolc of Southern Guadalajara	.....
San Martino (Italy)	Crater of Campi Flegrei	0101-01=
San Martino (Italy)	Dome of Campi Flegrei	0101-01=
San Martino, Isolotto di (Italy)	Dome of Campi Flegrei	0101-01=
San Miguel (Nicaragua)	Cinder cone of Negro, Cerro	1404-07=
San Miguel (El Salvador)	Stratovolcano (31, 2002) Historical	**1403-10=**
San Miguel, Cerro (Mexico)	Vent of Primavera, Sierra la	.....
San Miguel, Cerro (Costa Rica)	Lava dome (None) Pleistocene	.....
San Nicola, Monte (Italy)	Cinder cone of Etna	0101-06=
San Nicolás (Mexico)	Cone of Chichinautzin	1401-08=
San Nicolas (Mexico)	Maar of Michoacán-Guanajuato	1401-06=
San Pablo (Chile-N)	Twin volcano of San Pedro	1505-07=
San Pablo Volc Field (Philippines)	Stratovolcano (1, 1350) Anthropology	**0703-06=**
San Pedro (Nicaragua)	Crater of Masaya	1404-10=
San Pedro (Chile-N)	Stratovolcanoes (6, 1960) Historical	**1505-07=**
San Pedro (Guatemala)	Stratovolcano (None) Quaternary	.....
San Pedro (Mexico)	Caldera (None) Pleistocene	.....
San Pedro (Chile-C)	Stratovolcano of San Pedro-Pellado	1507-062
San Pedro, Laguna de (Guatemala)	Maar of Suchitan	1402-16-
San Pedro, Lomas de (El Salvador)	Dome of Ilopango	1403-06=
San Pedro-Pellado (Chile-C)	Stratovolcanoes (None) Holocene	**1507-062**
San Pedro-Tatara (Chile-C)	Synonym of San Pedro-Pellado	1507-062
San Quintín Volc Field (Mexico)	Cinder cones (None) Holocene?	**1401-002**
San Rafael (Mexico)	Caldera of Tacana	1401-13=
San Rafael, Cerro (Nicaragua)	Cinder cone of Esteli	1404-131
San Rafael, Cerro (Guatemala)	Cinder cone of Moyuta	1402-13-
San Roman, Volcan (Chile-N)	Cinder cone of Copiapo	1505-14-
San Roque (Colombia)	Pyroclastic cone of Unnamed	.....
San Roque, Cerro (Costa Rica)	Dome of Rincon de la Vieja	1405-02=
San Roque, Cerro (Bolivia)	Cone (None) Post-Miocene	.....
San Salvador (El Salvador)	Stratovolcano (6, 1917) Historical	**1403-05=**
San Salvador (Galapagos)	Synonym of Santiago	1503-09=
San Sebastian (El Salvador)	Cone of Masahuat Volc Field	.....
San Sebastian Volc Field (Mexico)	Cinder cones (None) Pleistocene	.....
San Sebastian, Cerro de (El Salvador)	Cinder cone of Apastepeque Field	1403-071
San Valentino (Italy)	Dome of Vico-Cimino Complex	.....
San Venanzo (Italy)	Maar (None) Pleistocene	.....
San Vicente (Luzon-Philippines)	Dome of Labo	.....
San Vicente (Costa Rica)	Dome of Rincon de la Vieja	1405-02=
San Vicente (El Salvador)	Stratovolcano (None) Holocene	**1403-07=**
San Vicente Spring (Luzon-Philippines)	Thermal feature of Banahaw	0703-05=
San Vicente, Ausoles de [Agua Agria]	Thermal feature of San Vicente	1403-07=
San Vito (Italy)	Vent of Pantelleria	0101-071
Sana'a Volc Field (Arabia-S)	Synonym of Arhab, Harra of	0301-09-
Sana'a-Amran Volc Field (Arabia-S)	Synonym of Arhab, Harra of	0301-09-
Sanagay (Ecuador)	Synonym of Sangay	1502-09=
Sanambo, Cerro (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Sanaroa Island (D'Entrecasteaux Is)	Cone of Dawson Strait Group	0503-06=
Sanbangsan (Korea)	Dome of Halla	1006-04-
Sanbe (Honshu-Japan)	Stratovolcano (3, 650) Radiocarbon	**0803-002**
Sanbonyari (Honshu-Japan)	Stratovolcano of Nasu	0803-15=
Sand Butte (US-Oregon)	Cone of Newberry	1202-11-
Sand Mountain Cones (US-Oregon)	Cinder cone of Sand Mountain Field	1202-04-
Sand Mountain Field (US-Oregon)	Cinder cones (5, 70) Radiocarbon	**1202-04-**
Sandawa (Mindanao-Philippines)	Synonym of Apo	0701-03=
Sandey (Iceland-SW)	Tuff cone of Hengill	1701-05=
Sandfell (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Sandfellsgigir (Iceland-SW)	Crater Row of Hengill	1701-05=
Sandfellshaed (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Sandfellsklofagigir (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Sandsea (Java)	Caldera of Tengger Caldera	0603-31=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sashiusu-dake (Kuril Is)	Synonym of Baransky	0900-08=
Saso, Volcan (Chile-C)	Cone of Maule, Laguna del	1507-061
Sasquatch (Pacific-NE)	Thermal feature of Endeavour Ridge	1301-01-
Sastres, Las (Nicaragua)	Cinder cone of Masaya	1404-10=
Sat Agomara (Ethiopia)	Synonym of Erta Ale	0201-08=
Satah Mountain (Canada)	Volcanic field (None) Holocene	**1200-13-**
Satak (Java)	Synonym of Salak	0603-05=
Satélite (Nicaragua)	Crater of Nejapa-Miraflores	1404-092
Sa-ti-erh (China-E)	Synonym of Shatu	.....
Satormal (Hungary)	Cone of Balaton Highland	.....
Satsuma Maru-yama (Kyushu-Japan)	Lava dome (None) Pleistocene	.....
Satsuma-Fuji [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Satsuma-Iwo-jima (Ryukyu Is)	Synonym of Kikai	0802-06=
Sattomonai (Hokkaido-Japan)	Cone of Birao	.....
Satuma-Huzi [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Sauce, El (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Saucer, the (Canada)	Cone of Edziza	1200-06-
Sauda, Harra es- (Arabia-S)	Synonym of Sawad, Harra es-	0301-16-
Sa'umane (Samoa-SW Pacific)	Cone of Ta'u	0404-001
Saunders Island Volcano (Antarctica)	Synonym of Michael	1900-09=
Saut d'Eau (Hispaniola)	Synonym of Vigie, Morne la	.....
Saut-Nagodang (Sumatra)	Unknown (None) Post-Miocene	.....
Sauvetage, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Savai'i (Samoa-SW Pacific)	Shield volcano (12, 1911) Historical	**0404-04=**
Savai'i, Tafua (Samoa-SW Pacific)	Tuff cone of Savai'i	0404-04=
Savalan (Iran)	Synonym of Sabalan	0302-002
Savan (Kamchatka)	Shield volcano (None) Pleistocene	.....
Savana, Volcan de la [Cuyotepe] (El Salv)	Cone of Apaneca Range	1403-01=
Savich (Kamchatka)	Stratovolcano of Kikhpinych	1000-18=
Savigan (Mariana Is-C Pacific)	Synonym of Sarigan	0804-192
Savo (Solomon Is-SW Pacific)	Stratovolcano (3, 1847) Historical	**0505-07=**
Savonovski River Cluster (Alaska)	Stratovolcanoes (None) Pleistocene	.....
Sawad, Harra es- (Arabia-S)	Volcanic field (1, 1253) Historical	**0301-16-**
Sawadowsky (Antarctica)	Synonym of Zavodovski	1900-13=
Sawal (Java)	Stratovolcano (None) Quaternary	.....
Sawan-Chisappu (Hokkaido-Japan)	Dome of Kutcharo	0805-08=
Sawan-Tisappu [Sawan-Chisappu] (Japan)	Dome of Kutcharo	0805-08=
Sawara-dake (Hokkaido-Japan)	Synonym of Komaga-take	0805-02=
Sawara-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Sawtooth Mountain (US-Oregon)	Shield volcano of Cowhorn Mountain	.....
Sawtooth Mountain (US-Washington)	Shield volcano of Indian Heaven	1201-07-
Saxholar (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Sayhua, Cerro (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Scara (Azores)	Pit crater of Sete Cidades	1802-08=
Scarlet Hill (Indian O.-S)	Cone of Heard	0304-01=
Scarrupo (Italy)	Cone of Ischia	0101-03=
Scauri, Cuddia di (Italy)	Shield volcano of Pantelleria	0101-071
Scenery, Mount (W Indies)	Dome of Saba	1600-01=
Schalkenmehren (Germany)	Maar of West Eifel Volc Field	0100-01-

KVERT

The summit of the isolated massif of **Shiveluch** volcano in Kamchatka is truncated by a broad 9-km-wide, late-Pleistocene horseshoe-shaped caldera. Frequent collapse of lava-dome complexes has produced numerous large debris avalanches, most recently in 1964.

Schank, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Schapinskaia Sopka (Kamchatka)	Synonym of Kizimen	1000-23=
Schildkrote [Skjaldbaka] (Iceland-NE)	Shield volcano of Fremrinamur	1703-07=
Schinopi (Greece)	Thermal feature of Milos	0102-03=
Schischel (Kamchatka)	Synonym of Shishel	1000-58-
Schiwelutsch (Kamchatka)	Synonym of Shiveluch	1000-27=
Schleuther, Mount (New Britain-SW Pac)	Cone of Garua Harbour	0502-06=
Schmidt (Kamchatka)	Shield volcano (None) Holocene	**1000-201**
Schonchin Butte (US-California)	Cinder cone of Medicine Lake	1203-02-
Schreibers Meadow Cone (US-Washington)	Cinder cone of Baker	1201-01=
Schtjubelja [Stubel] (Kamchatka)	Maar of Ksudach	1000-05=
Schtschapinskij (Kamchatka)	Synonym of Kizimen	1000-23=
Schuberts Fairy (New Zealand)	Former crater of White Island	0401-04=
Schuvelutsch (Kamchatka)	Synonym of Shiveluch	1000-27=
Sciara (Italy)	Vent of Stromboli	0101-04=
Scirocca [Giulia-Ferdinandea] (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sciuvechi, Cuddia (Italy)	Shield volcano of Pantelleria	0101-071
Scott (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Scott Cone (Antarctica)	Cone of Buckle Island	1900-01=
Scott Mountain (US-Oregon)	Shield volcano (None) Pleistocene	.....
Scott, Mount (US-Oregon)	Cone of Boring Lava	.....
Scott, Mt. (US-Oregon)	Stratovolcano of Crater Lake	1202-16-
Scotts Head (W Indies)	Dome of Plat Pays, Morne	1600-11=
Scout Hill (US-Oregon)	Cone of Crater Lake	1202-16-
Se, Pico da (Azores)	Stratovolcano of Flores	1802-001
Seal Nunataks Group (Antarctica)	Pyroclastic cones (Uncertain)	**1900-05=**
Sealandia Bank (Mariana Is-C Pacific)	Synonym of Zealandia Bank	0804-191
Seamount X (Mariana Is-C Pacific)	Submarine volcano (None) Fumarolic	**0804-23-**
Seara Cerrado de Ladeira (Azores)	Pumice cone of Sete Cidades	1802-08=
Sebain, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Seca, Caldeira (Azores)	Crater of Flores	1802-001
Seca, Caldeira (Azores)	Pumice ring of Sete Cidades	1802-08=
Seca, Laguna (El Salvador)	Pit crater of Apastepeque Field	1403-071
Seca, Laguna (Nicaragua)	Maar of Pilas, Las	1404-08=
Seca, Laguna (Nicaragua)	Crater of San Cristobal	1404-02=
Seca, Laguna (El Salvador)	Pit crater of Santa Ana	1403-02=
Secca dei Pesci (Italy)	Dome of Panarea	0101-041
Secca D'ischia (Italy)	Cone of Ischia	0101-03=
Seco, Cerro (US-New Mexico)	Dome of Valles Caldera	.....
Second Canyon (Canada)	Cone of Iskut-Unuk River Cones	1200-09-
Second Crater (Antarctica)	Crater of Hut Point Peninsula	.....
Sedaeng (Java)	Dome of Tengger Caldera	0603-31=
Sedakeling (Java)	Stratovolcano (None) Quaternary	.....
Sedanka Dol (Kamchatka)	Synonym of Sedankinsky	1000-52-
Sedankinsky (Kamchatka)	Shield volcano (1, -7050) Radiocarbon	**1000-52-**
Sedlo (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Seemalik Butte (Alaska-W)	Cone of Nunivak Island	1104-02-
Seeng, Kawah (Java)	Thermal feature of Wayang-Windu	0603-08=
Segara Anak (Lesser Sunda Is)	Caldera of Rinjani	0604-03=
Segara Munjak (Lesser Sunda Is)	Crater of Rinjani	0604-03=
Segara Muntjar [Segara Munjar] (Indonesia)	Crater of Rinjani	0604-03=
Segarawedi Kedul (Java)	Crater of Tengger Caldera	0603-31=
Segarawedi Kidul [Segarawedi Kedul] (Java)	Crater of Tengger Caldera	0603-31=
Segarawedi Lor (Java)	Crater of Tengger Caldera	0603-31=
Segehiki (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Segererua Plateau (Africa-E)	Pyroclastic cones (None) Holocene	**0202-05-**
Segoro Bandjaran [Segoro Banjaran] (Java)	Crater of Sundoro	0603-21=
Segoro Banjaran (Java)	Crater of Sundoro	0603-21=
Segoro Wedi (Java)	Crater of Sundoro	0603-21=
Seguam (Aleutian Is)	Stratovolcanoes (11, 1993) Historical	**1101-18-**
Segula (Aleutian Is)	Stratovolcano (None) Holocene	**1101-03-**
Sehittepe (Turkey)	Dome of Süphan Dagi	0103-021
Sekiguchi Group (Honshu-Japan)	Crater of Izu-Tobu	0803-01=
Sekiguchigawa-Joryu (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Sekincau Belirang (Sumatra)	Calderas (None) Fumarolic	**0601-26=**
Sekintjau Belirang (Sumatra)	Synonym of Sekincau Belirang	0601-26=
Sekison-zan (Honshu-Japan)	Dome of Asama	0803-11=
Sekita (Honshu-Japan)	Stratovolcano? (None) Pleistocene	.....
Sela (Java)	Crater of Gede	0603-06=
Selawajan (Sumatra)	Synonym of Seulawah Agam	0601-02=
Selawajanten (Selawajanten) (Sumatra)	Synonym of Seulawah Agam	0601-02=
Selawik Hills (Alaska-W)	Cinder cones (None) Pleistocene	.....
Selendi (Turkey)	Unknown (None) Quaternary	.....
Selholl North (Iceland-SW)	Crater Row of Grimsnes	1701-06=
Selholl South (Iceland-SW)	Crater of Grimsnes	1701-06=
Selhraunsgigir (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Selimkartini (Turkey)	Cone of Erciyes Dagi	0103-01=
Sella [Saddle Island] (Red Sea)	Cone of Zubair, Jebel	0201-02=
Sella, Monti (Italy)	Cinder cone of Etna	0101-06=
Sellandafjall (Iceland-NE)	Tuya (None) Pleistocene	.....
Sellota (Bolivia)	Synonym of Sillota	.....
Selokaki (Java)	Stratovolcano (None) Quaternary	.....
Selsundshraun North (Iceland-S)	Fissure vent of Hekla	1702-07=
Selsundshraun South (Iceland-S)	Fissure vent of Hekla	1702-07=
Selva Del Lamone (Italy)	Cone of Vulsini	0101-003
Selva del Napolitano (Italy)	Dome of Ischia	0101-03=
Selvogsheidi (Iceland-SW)	Shield volcano of Hengill	1701-05=
Sembrano, Mt (Luzon-Philippines)	Stratovolcano of Laguna Caldera	0703-08=
Sembuang, Gunung (Sumatra)	Explosion crater (None) Pleistocene	.....
Sembung, Gunung (Java)	Cone of Slamet	0603-18=
Semeroe (Java)	Synonym of Semeru	0603-30=
Semeru (Java)	Cone of Iyang-Argapura	0603-33=
Semeru (Java)	Crater of Iyang-Argapura	0603-33=
Semeru (Java)	Stratovolcano (58, 2010) Historical	**0603-30=**
Semi Crater (US-California)	Crater of Medicine Lake	1203-02-
Seminung, Gunung (Sumatra)	Stratovolcano of Ranau	0601-251
Semisopochnoi (Aleutian Is)	Stratovolcano (2, 1987) Historical	**1101-06-**
Semkarok (Kamchatka)	Dome of Shiveluch	1000-27=
Semongkrong, Gunung (Java)	Cone of Tengger Caldera	0603-31=
Semonte, Mt (Italy)	Cone of Vulsini	0101-003
Sempoe (Sulawesi-Indonesia)	Synonym of Sempu	0606-04=
Sempu (Sulawesi-Indonesia)	Caldera (Uncertain) Fumarolic	**0606-04=**
Sendai (Kyushu-Japan)	Pyroclastic cone (None) Pleistocene	.....
Senda-yama (Kyushu-Japan)	Dome of Ibusuki Volc Field	0802-07=
Sendoro (Java)	Synonym of Sundoro	0603-21=
Senga, Monte (Italy)	Cone of Campi Flegrei	0101-01=
Sengereti (Africa-E)	Cone of Kieyo	0202-17=
Sengoku (Honshu-Japan)	Lava domes (None) Pleistocene	.....
Sengoku-dake (Honshu-Japan)	Dome of Sengoku	.....
Senhora, Pica da (Azores)	Cone of Furnas	1802-10=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Shiraishi-dake (Honshu-Japan)	Synonym of Zao	0803-19=
Shiramizu (Honshu-Japan)	Crater of Yake-dake	0803-07=
Shirane (Izu Is-Japan)	Submarine vent of Smith Rock	0804-08=
Shirane-san (Honshu-Japan)	Cone of Kusatsu-Shirane	0803-12=
Shirane-san (Honshu-Japan)	Dome of Nikko-Shirane	0803-14=
Shiranezawa (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Shiranutanoike (Honshu-Japan)	Maar of Izu-Tobu	0803-01=
Shirataka (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Shiratani-yama (Honshu-Japan)	Stratovolcano of Yake-dake	0803-07=
Shiratori-yama (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Shiretoko (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Shiretoko-Io-zan (Hokkaido-Japan)	Synonym of Shiretoko-Iwo-zan	0805-09=
Shiretoko-Iwo-zan (Hokkaido-Japan)	Stratovolcano (6, 1936) Historical	**0805-09=**
Shiribetsu (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Shirinki (Kuril Is)	Stratovolcano (None) Holocene	**0900-331**
Shiriyajiri-dake (Shiriyazuri) (Kuril Is)	Synonym of Fuss Peak	0900-34=
Shirogane (Hokkaido-Japan)	Thermal feature of Tokachi	0805-05=
Shirokoe Plateau (Kamchatka)	Dome of Uzon	1000-17=

Mark Davies (MVO)

Several generations of lava-dome growth can be seen in this January 27, 1997 aerial photo of **Soufrière Hills** volcano on Montserrat. Ash is venting from a small dome that began growing in December 1996 within a scarp formed by collapse of an October 1996 lava dome. This dome was constructed within the outer dome-collapse scarp at the lower left.

Shirotsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Shirouma-Norikura (Honshu-Japan)	Synonym of Shirouma-Oike	.....
Shirouma-Oike (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Shish (Kamchatka)	Cone (None) Pleistocene	.....
Shishaldin (Aleutian Is)	Stratovolcano (37, 2004) Historical	**1101-36-**
Shisheika (Kamchatka)	Lava dome (1, -2240) Radiocarbon	**1000-511**
Shishejka (Kamchatka)	Synonym of Shisheika	1000-511
Shishel (Kamchatka)	Shield volcano (None) Holocene?	**1000-58-**
Shishido-dake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Shishimuta (Kyushu-Japan)	Synonym of Yabakei	.....
Shiste, Cerro el (El Salvador)	Lava cone of San Diego	1403-001
Shiveluch (Kamchatka)	Stratovolcano (102, 2010) Historical	**1000-27=**
Shivit-Tayga (Russia-SE)	Stratovolcano of Azas Plateau	1002-07-
Shiwanshan (SE Asia)	Cone of Leizhou Bandao	0705-01-
Shiyinling (SE Asia)	Cone of Leizhou Bandao	0705-01-
Shlen (Kamchatka)	Shield volcano (None) Pleistocene	.....
Shmalev (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Shoal Bay (New Zealand)	Tuff cone of Auckland Field	0401-02=
Sho-Chirippu [Ivan Grozny] (Kuril Is)	Somma volcano of Grozny Group	0900-07=
Sho-Fuji [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Shohapinsky (Kamchatka)	Synonym of Kizimen	1000-23=
Shoji-yama (Honshu-Japan)	Dome of Osore-yama	0803-29=
Shokurohime (Honshu-Japan)	Cone of Kurohime	.....
Shoshone Geyser Basin (US-Wyoming)	Thermal feature of Yellowstone	1205-01-
Shoshone Lava Field (US-Idaho)	Shield volcano (1, -8400) Holocene	**1204-01-**
Shoshuenco [Choshuenco] (Chile-C)	Stratovolcano of Mocho-Choshuenco	1507-13=
Shotgun Peak (US-California)	Cone of Medicine Lake	1203-02-
Shove (Africa-C)	Cone of Nyamuragira	0203-02=
Showa (Kyushu-Japan)	Crater of Sakura-jima	0802-08=
Showa (Hokkaido-Japan)	Crater of Tokachi	0805-05=
Showa-Iwo-jima (Ryukyu Is)	Dome of Kikai	0802-06=
Showa-Shinzan (Hokkaido-Japan)	Dome of Usu	0805-03=
Shtyubel' [Stubel] (Kamchatka)	Maar of Ksudach	1000-05=
Shuangshan (China-E)	Cone of Datong-Fengzen	.....
Shukash Butte (US-Oregon)	Cone of Wuksi Butte-Twin Lakes	.....
Shuli (Africa-C)	Cone of Nyamuragira	0203-02=
Shupanowskij (Kamchatka)	Synonym of Zhupanovsky	1000-12=
Shuqra Volc Field (Arabia-S)	Synonym of Sawad, Harra es-	0301-16-
Shurado (Honshu-Japan)	Crater of Narugo	0803-20=
Shushaldinskaya (Aleutian Is)	Synonym of Shishaldin	1101-36-
Shuteye, Mt (Australia)	Cone of McBride Volc Province	.....
Siah Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Siang (Java)	Crater of Galunggung	0603-14=
Siangtianshan (Taiwan)	Dome of Tatun Group	0801-032

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Siaoguanyinshan (Taiwan)	Dome of Tatun Group	0801-032
Siaoyoukeng (Taiwan)	Tuff ring of Tatun Group	0801-032
Siao-you-keng (Taiwan)	Thermal feature of Tatun Group	0801-032
Siasar (Sumatra)	Unknown (None) Post-Miocene	.....
Siassi Island (New Guinea-NE of)	Synonym of Umboi	0501-06=
Sibajak (Sumatra)	Synonym of Sibayak	0601-07=
Sibandung (Sumatra)	Caldera of Toba	0601-09=
Sibanggor Djulu [Sibangor Julu] (Sumatra)	Thermal feature of Sorikmarapi	0601-12=
Sibangor Julu (Sumatra)	Thermal feature of Sorikmarapi	0601-12=
Sibanteng (Java)	Thermal feature Dieng Volc Complex	0603-20=
Sibayak (Sumatra)	Stratovolcanoes (1, 1881) Historical	**0601-07=**
Sibetoro (Kuril Is)	Stratovolcano of Tsirk	.....
Sibinal (Mexico)	Caldera of Tacana	1401-13=
Sibualbuali (Sumatra)	Stratovolcano (None) Holocene?	**0601-11=**
Sibulaboalie (Sumatra)	Synonym of Sibualbuali	0601-11=
Sibuland Spring (Mindanao-Philippines)	Thermal feature of Apo	0701-03=
Sibutan, Dolok (Sumatra)	Stratovolcano of Toba	0601-09=
Sicuin, Cerro de (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Sidas (Canada)	Cone of Edziza	1200-06-
Side Crater (Antarctica)	Crater of Erebus	1900-02=
Sidole (Sulawesi-Indonesia)	Unknown (None) Quaternary	.....
Siemsen, Volcan (Chile-C)	Cone of Chillan, Nevados de	1507-07=
Sierpe, Lomas de (Costa Rica)	Shield volcanoes (None) Pleistocene	.....
Sierra (Spanish for Mountain Range) see proper name (e.g. San Andrés, Sierra de)		
Sierras, Las (Nicaragua)	Pleistocene caldera of Masaya	1404-10=
Siete Cerros, Loma Los (Guatemala)	Cone of Chingo	1402-17-
Siete Fuentes (Canary Is)	Cinder cone of Tenerife	1803-03-
Siete Orejas (Guatemala)	Stratovolcano (None) Quaternary	.....
Siete, Cerro el (Costa Rica)	Stratovolcano of Platanar	1405-034
Sifford Mountain (US-California)	Shield volcano (None) Pleistocene	.....
Siga (Honshu-Japan)	Synonym of Shiga	0803-121
Sigadjah [Sigajah] (Java)	Thermal feature Dieng Volc Complex	0603-20=
Siga'ele (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Sigajah (Java)	Thermal feature Dieng Volc Complex	0603-20=
Sigala, Batu (Sumatra)	Crater of Sinabung	0601-08=
Siglagah (Java)	Thermal feature Dieng Volc Complex	0603-20=
Sigluduk (Java)	Cone of Dieng Volc Complex	0603-20=
Signal Butte (US-California)	Cone of Shasta	1203-01-
Signal de L'Enclos (Indian O -W)	Crater of Fournaise, Piton de la	0303-02=
Signal Hill (W Indies)	Cone of Northern Centres	.....
Signal Hill (W Indies)	Stratovolcano of Quill, The	1600-02=
Signal Peak (US-Washington)	Cone of Simcoe	.....
Sigolduhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Siguam (Aleutian Is)	Synonym of Seguam	1101-18-
Sigurd (Spitsbergen)	Explosion crater (None) Pleistocene	.....
Sigurdbreen (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Sigurdfjellet (Spitsbergen)	Synonym of Sigurd	.....
Siharslan Tepe (Turkey)	Cone of Erciyes Dagi	0103-01=
Sihmiran Tepe (Turkey)	Cone of Nemrut Dagi	0103-02=
Sihsihdagi (Turkey)	Dome of Suphan Dagi	0103-021
Sikhote-Alin (Russia-SE)	Volcanic field (None) Holocene	**1002-01-**
Sikidang (Java)	Thermal feature Dieng Volc Complex	0603-20=
Sikine-zima [Shikine-jima] (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Sikotu (Hokkaido-Japan)	Synonym of Shikotsu	0805-04=
Sikuma (Honshu-Japan)	Synonym of Shikuma	.....
Sikunang (Java)	Cone of Dieng Volc Complex	0603-20=
Sil (Africa-E)	Synonym of Barrier, The	0202-03=
Silago (Philippines-C)	Unknown (None) Pleistocene	.....
Silali (Africa-E)	Shield volcano (3, -5050) Ar/Ar	**0202-052**
Silamuk (Java)	Pyroclastic cone of Muria	0603-251
Silanga Hot Spring (New Britain-SW Pac)	Thermal feature of Sulu Range	0502-09=
Silangan (Luzon-Philippines)	Cone of Natib	0703-082
Silaung (SE Asia)	Vent of Lower Chindwin	0705-09-
Silawaih Agam (Sumatra)	Synonym of Seulawah Agam	0601-02=
Silay (Philippines-C)	Stratovolcano (None) Fumarolic	**0702-04=**
Sile [Sili] (New Britain-SW Pac)	Cone of Lolobau	0502-13=
Silenge Island (New Britain-SW Pac)	Cone of Mundua	0502-021
Silent Cone (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Silent Hill (Australia)	Cone of McBride Volc Province	.....
Sileri (Java)	Cone of Dieng Volc Complex	0603-20=
Sili (New Britain-SW Pac)	Cone of Lolobau	0502-13=
Sili (Samoa-SW Pacific)	Shield volcano of Ofu-Olosega	0404-01=
Silla (Mexico)	Dome of Zitacuaro-Valle de Bravo	1401-061
Silla de Pando, Cerro [Cerro Pando] (Panamá)	Dome of Tisingal	.....
Silla, Cerro la (Panama)	Dome of Valle, El	1406-03-
Silla, Cerro la (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Sillajguai, Cerro (Chile-N)	Stratovolcano (None) Post-Miocene	.....
Sillajhuay (Chile-N)	Synonym of Sillajguai, Cerro	.....
Sillanegra, Volcan (Argentina)	Pyroclastic cone of Cochiquito Group	1507-071
Sillatepec (Mexico)	Dome of Cumbres, Las	1401-098
Sillón Abajo, Cerrito el (Guatemala)	Lava cone of Chiquimula Volc Field	1402-20-
Sillón, Cerrito el (Guatemala)	Lava cone of Chiquimula Volc Field	1402-20-
Sillota (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Silueta, Cerro La (Chile-S)	Unknown (None) Post-Miocene	.....
Siluman, Kawah (Java)	Crater of Tangkubanparahu	0603-09=
Silva, La (Mexico)	Cinder cone of Chichinautzin	1401-08=
Silver Creek (US-Oregon)	Volcanic field (None) Pleistocene?	.....
Silver Hills (W Indies)	Lava domes (None) Pleistocene	.....
Silver Lake (US-California)	Cinder cones (None) Holocene?	**1203-05-**
Silver Lake (US-Wyoming)	Dome of Yellowstone	1205-01-
Silverthrone (Canada)	Caldera (None) Holocene	**1200-16-**
Silvestri, Monte (Italy)	Cinder cone of Etna	0101-06=
Simabara (Kyushu-Japan)	Synonym of Unzen	0802-10=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Simacak, Uruk (Sumatra)	Stratovolcano of Sibayak	0601-07=
Simagh, Jabal (Arabia-W)	Maar of Kishb, Harrat	0301-071
Simanobori (Kuril Is)	Synonym of Mendeleev	0900-02=
Simba (Africa-E)	Cone of Sultan Hamud-Simba	.....
Simba, Volcan [Aguas Calientes] (Chile-N)	Stratovolcano of Lascar	1505-10=
Simbi, Lake (Africa-E)	Maar of Homa Mountain	0202-07=
Simbo (Solomon Is-SW Pacific)	Stratovolcanoes (1, 1910) Anthropology	**0505-05=**
Simbolon (Sumatra)	Stratovolcano (None) Pleistocene	.....
Simcoe (US-Washington)	Volcanic field (None) Pleistocene	.....
Siminyng [Gunung Seminung] (Sumatra)	Stratovolcano of Ranau	0601-251
Simokita-Hiuti (Honshu-Japan)	Synonym of Mutsu-Hiuchi-dake	.....
Simone, Monte (Italy)	Cinder cone of Etna	0101-06=
Sims Butte (US-Oregon)	Cinder cone of North Sister Field	1202-07-
Simusiru Fudzi (Kuril Is)	Synonym of Prevo Peak	0900-19=
Sin Nombre (Chile-S)	Cone of Cayutue-La Vigueria	1508-012
Sin Nombre, Crater (Chile-C)	Crater of Azul, Cerro	1507-06=
Sin Nombre, Nevado (Chile-C)	Stratovolcano of Tupungatito	1507-01=
Sinaboeng (Sumatra)	Synonym of Sinabung	0601-08=
Sinabun (Sumatra)	Synonym of Sinabung	0601-08=
Sinabung (Sumatra)	Stratovolcano (Uncertain) Holocene	**0601-08=**
Sinai, Mt (W Indies)	Stratovolcano of St. Catherine	1600-17=
Sinarka (Kuril Is)	Stratovolcano (4, 1878) Historical	**0900-29=**
Sinarko (Kuril Is)	Synonym of Sinarka	0900-29=
Sincholagua (Ecuador)	Stratovolcano (None) Pleistocene	.....
Sin-dake [Shin-dake] (Ryukyu Is)	Stratovolcano of Kuchinoerabu-jima	0802-05=
Sindoro (Java)	Synonym of Sundoro	0603-21=
Singgalang (Sumatra)	Twin volcano of Tandikat	0601-15=
Singgalang, Dolok (Sumatra)	Cone of Toba	0601-09=
Singiro (Africa-C)	Cone of Nyamuragira	0203-02=
Singu Plateau (SE Asia)	Fissure vents (None) Holocene	**0705-10-**
Singuil, Cerro (El Salvador)	Cinder cones (None) Holocene	**1403-002**
Sin-Hunkako [Shin-Funkako] (Japan)	Crater of Tokachi	0805-05=
Sini (Russia-SE)	Cone of Udokan Plateau	1002-03-
Sinila (Java)	Cone of Dieng Volc Complex	0603-20=
Sin-Io-jima (Sin-Iwo-zima) (Volcano Is-Japan)	Synonym of Fukutoku-Okanoba	0804-13=
Sintiope, Loma de (Nicaragua)	Dome of Concepcion	1404-12=
Sinker Butte (US-Idaho)	Shield volcano (None) Pleistocene	.....
Sinmiyo [Shinmio] (Izu Is-Japan)	Maar of Miyake-jima	0804-04=
Sinmoe-dake [Shinmoe-dake] (Japan)	Stratovolcano of Kirishima	0802-09=
Sino-ike [Shino-ike] (Honshu-Japan)	Crater of On-take	0803-04=
Sintumbi (Africa-E)	Cone of Ngozi	0202-164
Sinumaan (Sulu Is-Philippines)	Cone of Jolo	0700-01=
Sin-zan [Shin-zan] (Honshu-Japan)	Dome of Chokai	0803-22=
Sio Tsirarippu [Ivan Grozny] (Kuril Is)	Somma volcano of Grozny Group	0900-07=
Siope (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Siosiorena (D'Entrecasteaux Is)	Thermal feature Dawson Strait Group	0503-06=
Sipandu (Java)	Thermal feature Dieng Volc Complex	0603-20=
Sipisopiso [Dolok Tandukbenua] (Sumatra)	Cone of Toba	0601-09=
Siple (Antarctica)	Shield volcano (None) Holocene?	**1900-025**
Sirahata (Kuril Is)	Synonym of Keto	0900-20=
Sirane-san [Shirane-san] (Honshu-Japan)	Dome of Nikko-Shirane	0803-14=
Siratani-yama [Shiratani-yama] (Japan)	Stratovolcano of Yake-dake	0803-07=
Siratori-yama [Shiratori-yama] (Japan)	Cone of Kirishima	0802-09=
Siren Rock (Antarctica)	Cone of Hudson Mountains	1900-028
Sirenevy (Kamchatka)	Cone of Dzenzursky	1000-11=
Sirenevy (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Siretoko (Hokkaido-Japan)	Synonym of Shiretoko	.....
Siretoko-io-zan (Hokkaido-Japan)	Synonym of Shiretoko-Iwo-zan	0805-09=
Siretoko-Iwo-zan (Hokkaido-Japan)	Synonym of Shiretoko-Iwo-zan	0805-09=
Siriadziri (Kuril Is)	Synonym of Fuss Peak	0900-34=
Siroeng (Lesser Sunda Is)	Synonym of Sirung	0604-27=
Sironemuri (Kuril Is)	Synonym of Keto	0900-20=
Sirouma-Norikura (Honshu-Japan)	Synonym of Shirouma-Oike	.....
Sirouma-oike (Honshu-Japan)	Synonym of Shirouma-Oike	.....
Sirung (Lesser Sunda Is)	Complex volcano (8, 1970) Historical	**0604-27=**
Sisa (New Guinea)	Stratovolcano (None) Pleistocene	.....
Sisaguk (Aleutian Is)	Synonym of Shishaldin	1101-36-
Sisel (Kamchatka)	Synonym of Shishel	1000-58-
Sisi Butte (US-Oregon)	Shield volcano of Olallie Butte	.....
Sisido-dake [Shishido-dake] (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Sisquk (Sissagjuk) (Aleutian Is)	Synonym of Shishaldin	1101-36-
Sisters, the (Alaska-W)	Cone of St. Michael	1104-04-
Sitarinda (Sumatra)	Unknown (None) Post-Miocene	.....
Sitchin (Aleutian Is)	Synonym of Great Sitkin	1101-12-
Sitchin (Sitignak?) (Aleutian Is)	Synonym of Little Sitkin	1101-05-
Sitgreaves Peak (US-Arizona)	Cone of San Francisco Volc Field	.....
Sitignak ? (Aleutian Is)	Synonym of Little Sitkin	1101-05-
Sitio Grande (El Salvador)	Crater of San Salvador	1403-05=
Sitio Hornillas (Costa Rica)	Thermal feature of Rincon de la Vieja	1405-02=
Sitios, Los (Guatemala)	Stratovolcano of Piedra Grande	.....
Sitkei Herceghegy (Hungary)	Maar of Kemenesalja	.....
Sitkum Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Six Shooter Butte (US-California)	Cone of Medicine Lake	1203-02-
Sixbit Point (US-Oregon)	Cone of Williamson Mountain	.....
Sixmile Hill (US-California)	Cone of Cinder Butte	.....
Siyut (Mindanao-Philippines)	Synonym of Makaturing	0701-04=
Siyut (Mindanao-Philippines)	Synonym of Ragang	0701-06=
Sizmos (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Sjadukta (Kamchatka)	Synonym of Ksudach	1000-05=
Sjonarholl (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Skafta [Laki] (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Skalafell (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Skalaralda (Iceland-NE)	Crater of Askja	1703-06=
Skalistaya (Kamchatka)	Dome of Opala	1000-08=
Skalistaya (Kamchatka)	Synonym of Skalistiy	.....
Skalistaya (Kamchatka)	Synonym of Skalistiy	.....
Skalistiy (Kamchatka)	Unknown (None) Pleistocene	.....
Skalistiy (Kamchatka)	Shield volcano (None) Pleistocene	.....
Skaptarjokull [Laki] (Iceland-NE)	Crater Row of Grimsvotn	1703-01=
Skardsmyrarhraun (Iceland-SW)	Crater Row of Hengill	1701-05=
Skaros (Greece)	Shield volcano of Santorini	0102-04=
Skeifuhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Skerjahraun (Iceland-S)	Fissure vent of Eyjafjallajokull	1702-02=
Ski Heil Peak (US-California)	Dome of Lassen Volc Center	1203-08-
Skinner Hill (New Zealand)	Dome of Taranaki [Egmont]	0401-03=
Skjaldbaka (Iceland-NE)	Shield volcano of Fremrinamur	1703-07=
Skjaldbreidur (Iceland-SW)	Shield volcano of Prestahnukur	1701-07=
Skoflunger (Iceland-SW)	Shield volcano of Prestahnukur	1701-07=
Skotuhryggur (Iceland-S)	Submarine vent of Vestmannaeyjar	1702-01=
Skrukkefjellet (Atlantic-N-Jan Mayen)	Dome of Jan Mayen	1706-01=
Skrukkelia (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Skuggadyngja (Iceland-NE)	Shield volcano of Fremrinamur	1703-07=
Skuridin (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Skyrtunna (Iceland-W)	Crater of Ljosufjoll	1700-03=
Sladen Boiling Springs (Vanuatu-SW Pacific)	Thermal feature of Gaua	0507-02=
Slag Hill (Canada)	Cone of Cayley, Mt	.....
Slamat (Java)	Synonym of Slamet	0603-18=
Slamet (Java)	Stratovolcano (41, 2009) Historical	**0603-18=**
Slattudalshraun (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Sleet (Canada)	Cone of Edziza	1200-06-
Slettahraun (Iceland-S)	Fissure vent of Torfajokull	1702-05=
Sloping Hummock (Australia)	Vent of Bundaberg-Boyne Province	.....
Slunina (Kamchatka)	Shield volcano of Khuvkhoitun	.....
Slusher Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Slyunin (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Smahraunakula (Iceland-W)	Cone of Ljosufjoll	1700-03=
Smales Hill [Otara Hill] (New Zealand)	Cone of Auckland Field	0401-02=
Small Baguio (Luzon-Philippines)	Dome of Labo	.....
Smart, Mt (New Zealand)	Cone of Auckland Field	0401-02=
Smbatassar (Armenia)	Cone of Dar-Alages	0104-08-
Smeaton Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Smelter Knolls (US-Utah)	Lava domes (None) Pleistocene	.....
Smerce (Smeru) (Java)	Synonym of Semeru	0603-30=
Smirnov (Kuril Is)	Stratovolcano (None) Holocene	**0900-021**
Smiroe (Java)	Synonym of Semeru	0603-30=
Smith (Greece)	Dome of Santorini	0102-04=
Smith Butte (US-Washington)	Cinder cone of Adams	1201-04-
Smith Crater (Kermadec Is)	Crater of Raoul Island	0402-03=
Smith Rock (Izu Is-Japan)	Submarine volcano (2, 1916) Historical	**0804-08=**
Smith Volcano (Luzon-N of)	Cinder cone of Babuyan Claro	0704-03=
Smoking Moses (Aleutian Is)	Synonym of Shishaldin	1101-36-
Smoky Mountain (Alaska Peninsula)	Synonym of Ugashik-Peulik	1102-13-
Smyt Bank I (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=

Lee Siebert (Smithsonian)

The broad, low-angle **Skjaldbreidur** basaltic shield volcano rising beyond Thingvallavatn lake is a classic example of an Icelandic-style shield volcano. Tuff cones of the Hengill volcanic system form islands in the lake.

Smyt Bank II (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Snaefell (Iceland-SE)	Stratovolcano (None) Pleistocene	.....
Snaefellsjokull (Iceland-W)	Stratovolcano (10, 200) Radiocarbon	**1700-01=**
Snaehetta (Iceland-SE)	Stratovolcano of Esjufjoll	1704-02=
Snaekollur (Iceland-SW)	Dome of Hofsjokull	1701-09=
Snag Hill (US-California)	Cone of Medicine Lake	1203-02-
Snegovoy (Kamchatka)	Shield volcano (None) Holocene?	**1000-69-**
Snezhnaya (Kamchatka)	Synonym of Snezhniy	1000-66-
Snezhniy (Kamchatka)	Shield volcano (None) Holocene?	**1000-66-**
Snider Peak (Alaska-E)	Dome of Drum	.....
Snipes Mountain (US-Washington)	Cinder cone of Adams	1201-04-

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Snippaker Creek (Canada)	Cone of Iskut-Unuk River Cones	1200-09-
Snou [Snow] (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Snoul (SE Asia)	Unknown (None) Pleistocene	.....
Snow (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Snow Mountain (US-California)	Stratovolcano (None) Pleistocene	.....
Snowshoe Lava Field (Canada)	Vent of Edziza	1200-06-
Snowy Mountain (Alaska Peninsula)	Stratovolcanoes (1, 1710) Radiocarbon	**1102-20-**
Soal (New Guinea-NE of)	Stratovolcano of Umboi	0501-06=
Soboliny (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Sobor (Africa-N)	Synonym of Voon, Tarso	0205-02=
Soborom (Africa-N)	Thermal feature of Voon, Tarso	0205-02=
Sobouroun (Africa-N)	Synonym of Voon, Tarso	0205-02=
Soche (Ecuador)	Stratovolcano (1, -6650) Radiocarbon	**1502-001**
Sochol, Cerro (Mexico)	Cone of Chichinautzin	1401-08=
Socompa (Chile-N)	Stratovolcano (1, -5250) Radiocarbon	**1505-109**
Soconusco (Mexico)	Synonym of Tacana	1401-13=
Socorro (México-Is)	Shield volcano (3, 1994) Historical	**1401-021**
Socriere, La (W Indies)	Dome of Plat Pays, Morne	1600-11=
Soda Dam (US-New Mexico)	Thermal feature of Valles Caldera	.....
Soda Lakes (US-Nevada)	Maars (None) Holocene	**1206-01-**
Soda Peak (US-Washington)	Cinder cone of West Crater	1201-06-
Sodore (Ethiopia)	Pyroclastic cones (None) Holocene	**0201-222**
Soekaria Caldera (Lesser Sunda Is)	Synonym of Sukaria Caldera	0604-12=
Soeket [Suket] (Java)	Stratovolcano of Raung	0603-34=
Soelasih (Sumatra)	Synonym of Talang	0601-16=
Soelheimajokull (Iceland-S)	Synonym of Katla	1702-03=
Soembing (Java)	Synonym of Sumbing	0603-22=
Soembing (Sumatra)	Synonym of Sumbing	0601-18=
Soenda Caldera [Sunda Caldera] (Java)	Pleist. caldera of Tangkubanparahu	0603-09=
Soendoro (Java)	Synonym of Sundoro	0603-21=
Soengpanack (Korea)	Vent of Halla	1006-04-
Soeoh-Senke (Sumatra)	Synonym of Suoh	0601-27=
Sofugan (Izu Is-Japan)	Stratovolcano (Uncertain)	**0804-091**
Sofunobori (Kuril Is)	Synonym of Tiatia	0900-03=
Sogagigir (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Sohu-gan (Izu Is-Japan)	Synonym of Sofugan	0804-091
Soi-Tayga (Russia-SE)	Cone of Azas Plateau	1002-07-
Sokol (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Sol de Mañana (Bolivia)	Thermal feature of Volcanes, Cerro	.....
Solander Island (New Zealand)	Synonym of Hautere	.....
Solander Island (New Zealand)	Stratovolcano (None) Pleistocene	.....
Solchiaro (Italy)	Tuff ring of Campi Flegrei	0101-01=
Soledad, Cerro la (Guatemala)	Dome of Tecuamburro	1402-12=
Solfatara (Italy)	Crater of Campi Flegrei	0101-01=
Solfatara Pool (Luzon-Philippines)	Thermal feature of Pinatubo	0703-083
Solforoso, Monte (Italy)	Cone of Sabatini Complex	.....
Soliman (Canary Is)	Cinder cone of Hierro	1803-02-
Solimana (Perú)	Stratovolcano (None) Pleistocene	.....
Solis (Mexico)	Maar of Michoacan-Guanajuato	1401-06=
Solitario, El (México)	Dome of Iztaccihuatl	1401-082
Solkatla (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Solkatla (Iceland-SW)	Crater of Hveravellir	1701-08=

Richie Williams (USGS)

Ice-clad **Snæfellsjökull** volcano towers above Breidavik bay at the western tip of the isolated Snæfellsnes Peninsula in western Iceland. Numerous pyroclastic cones dot the flanks of the 1448-m-high stratovolcano,and Holocene lava flows extend to the sea over the entire western half of the volcano.

Sollipulli (Chile-C)	Caldera (2, 1240) Radiocarbon	**1507-111**
Solo (Sulu Is-Philippines)	Synonym of Jolo	0700-01=
Solo (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Solo, El (Chile-N)	Stratovolcano (None) Holocene	**1505-131**
Solowa Agam (Solawaik Agam) (Sumatra)	Synonym of Seulawah Agam	0601-02=
Sombutang (Lesser Sunda Is)	Crater of Sirung	0604-27=
Somhegy [Kabhegy] (Hungary)	Shield volcano of Balaton Highland	.....
Somlyo (Hungary)	Vent of Nograd	.....
Somma Crater (W Indies)	Crater of Soufrière St. Vincent	1600-15=
Somma, Monte (Italy)	Stratovolcano of Vesuvius	0101-02=
Sommata, La (Italy)	Cone of Vulcano	0101-05=
Somma-Vesuviana (Italy)	Synonym of Vesuvius	0101-02=
Somoskovar (Hungary)	Cone of Nograd	.....
Somosomo (Fiji Is-SW Pacific)	Cone of Waikama	.....

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sona, Monte (Italy)	Cinder cone of Etna	0101-06=
Sonae (Honshu-Japan)	Cinder cone of Ogino-Sen	.....
Soncco Orcco, Cerro (Perú)	Stratovolcano of Firura, Nevados	.....
Sone (Kyushu-Japan)	Pyroclastic cone (None) Pleistocene	.....
Sonequera (Bolivia)	Synonym of Sunequera	.....
Sonetaung (SE Asia)	Unknown (None) Post-Miocene	.....
Songa (Halmahera-Indonesia)	Stratovolcano of Bibinoi	0608-073
Songaksan (Korea)	Tuff ring of Halla	1006-04-
Songan (Lesser Sunda Is)	Dome of Batur	0604-01=
Songe (Africa-E)	Dome of Meru	0202-16=
Song-Hua-Chiang (China-E)	Synonym of Sung-Hua-Chiang	.....
Songyaung (SE Asia)	Crater of Lower Chindwin	0705-09-
Soniquera (Bolivia)	Synonym of Sunequera	.....
Sonne Cone (Indian O.-W)	D of Fournaise, Piton de la	0303-02=
Sopas, Las (Chile-C)	Therm. feature Puyehue-Cordon Caulle	1507-15=
Sopka (Russian for Volcano) see proper name (e.g. Goriaschaia, Sopka)		
Sopochnaia (Kamchatka)	Synonym of Ichinsky	1000-28=
Sopoetan (Sulawesi-Indonesia)	Synonym of Soputan	0606-03=
Soporo (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Sopotschnaja (Kamchatka)	Synonym of Ichinsky	1000-28=
Soputan (Sulawesi-Indonesia)	Stratovolcano (35, 2008) Historical	**0606-03=**
Soranuma (Hokkaido-Japan)	Shield volcano (None) Pleistocene	.....
Soraramba (New Ireland-SW Pacific)	Stratovolcano of Tabar	.....
Sorcali (Ethiopia)	Synonym of Sork Ale	0201-103
Sorc-ali (Sorc-alli) (Ethiopia)	Synonym of Mallahle	0201-102
Sordo Lucas (Chile-C)	Stratovolcano (None) Pleistocene	.....
Sordo, El (Guatemala)	Stratovolcano of Piedra Grande	.....
Sorea (Banda Sea)	Synonym of Serua	0605-07=
Soriano (Italy)	Dome of Vico-Cimino Complex	.....
Sorieq Berapi (Sumatra)	Synonym of Sorikmarapi	0601-12=
Sorikmalintang (Sumatra)	Synonym of Malintang	0601-121
Sorikmarapi (Sumatra)	Stratovolcano (7, 1986) Historical	**0601-12=**
Sorikmerapi (Sumatra)	Synonym of Sorikmarapi	0601-12=
Soritimeat (Vanuatu-SW Pacific)	Synonym of Suretamatai	0507-01=
Sor-Jan (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Sork Ale (Ethiopia)	Stratovolcano (None) Holocene?	**0201-103**
Soropati (Java)	Stratovolcano of Telomoyo	0603-231
Sorug Chushku-Uzu (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Sosed (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Sosneado, Volcan (Argentina)	Stratovolcano of Atuel, Caldera del	1507-023
Sosso, Ehi (Africa-N)	Stratovolcano of Tousside, Tarso	0205-01=
Sotará (Colombia)	Stratovolcano (None) Holocene	**1501-061**
Soufrière Guadeloupe (W Indies)	Stratovolcano (20, 1977) Historical	**1600-06=**
Soufrière Hills (W Indies)	Stratovolcano (5, 2010) Historical	**1600-05=**
Soufrière St. Vincent (W Indies)	Stratovolcano (21, 1979) Historical	**1600-15=**
Soufriere Volc Centre (W Indies)	Synonym of Qualibou	1600-14=
Soufriere, La (W Indies)	Dome of Soufrière Guadeloupe	1600-06=
Sounkyo (Hokkaido-Japan)	Thermal feature of Daisetsu	0805-06=
Sounzan (Honshu-Japan)	Thermal feature of Hakone	0803-02=
Sour Creek (US-Wyoming)	Dome of Yellowstone	1205-01-
Source Hill (Canada)	Fissure vent of Spectrum Range	1200-07-
Souretamati (Vanuatu-SW Pacific)	Synonym of Suretamatai	0507-01=
Sousaki (Greece)	Synonym of Susaki	0102-01=
South Auckland (New Zealand)	Shield volcanoes (None) Pleistocene	.....
South Belknap (US-Oregon)	Cinder cone of Belknap	1202-06-
South Butte (US-Washington)	Cinder cone of Adams	1201-04-
South Butte (US-California)	Dome of Sutter Buttes	.....
South Cinder Peak (US-Oregon)	Cinder cone of Jefferson	1202-02-
South Coromandel Penin. (New Zeal.)	Volcanic field (None) Pleistocene	.....
South Coulee (US-California)	Dome of Mono Craters	1203-12-
South Daughter [Turangunan] (New Britain)	Stratovolcano of Rabaul	0502-14=
South Devil Mountain Lake (Alaska-W)	Maar of Espenberg	.....
South East Mountain (W Indies)	Stratovolcano of St. Catherine	1600-17=
South East Range (W Indies)	Stratovolcano (None) Pleistocene	.....
South Fork (US-California)	Cinder cone of Golden Trout Creek	1203-17-
South Group (US-Oregon)	Cinder cone of Sand Mountain Field	1202-04-
South Hill (Atlantic-S)	Dome of Inaccessible Island	.....
South Island (Africa-E)	Stratovolcano (1, 1888) Historical	**0202-02=**
South Killeak Lake (Alaska-W)	Maar of Espenberg	.....
South Menan Butte (US-Idaho)	Tuff cone of Menan Buttes	.....
South Mountain (US-New Mexico)	Dome of Valles Caldera	.....
South Pagan (Mariana Is-C Pacific)	Stratovolcano of Pagan	0804-17=
South Pinhead (US-Oregon)	Shield volcano of Clallie Butte	.....
South Pit (Hawaiian Is)	Pit crater of Mauna Loa	1302-02=
South Rift Vent Field (Pacific-NE)	Thermal feature of Axial Seamount	1301-021
South Rift Zone (Pacific-NE)	Fissure vent of Axial Seamount	1301-021
South Rift Zone (Hawaiian Is)	Fissure vent of Mauna Kea	1302-03-
South Sister (US-Oregon)	Complex volcano (2, -50) Radiocarbon	**1202-08-**
South Son (New Britain-SW Pac)	Synonym of Bamus	0502-11=
South Soufriere Hills (W Indies)	Stratovolcano of Soufrière Hills	1600-05=
South Squaw Tip (US-Oregon)	Vent of McLoughlin	.....
South Twin (Alaska-SW)	Dome of Iliamna	1103-02-
South Twin Lake (US-Oregon)	Tuff ring of Wuksi Butte-Twin Lakes	.....
Southeast crater (Mariana Is-C Pacific)	Crater of Anatahan	0804-20=
Southeast Crater (Italy)	Crater of Etna	0101-06=
South-East Volcanics (W Indies)	Volcanic field of Grand Bonhomme	.....
Southern Crater (Mindanao-Philippines)	Crater of Apo	0701-03=
Southern Crater (Philippines-C)	Crater of Kanlaon	0702-02=
Southern Dome (New Zealand)	Dome of Okataina	0401-05=
Southern EPR-Segment I (Pacific-E)	Submarine volcano (3, 1915) Magnetism	**1304-14-**
Southern EPR-Segment J (Pacific-E)	Submarine volcano (2, 1890) Magnetism	**1304-13-**
Southern EPR-Segment K (Pacific-E)	Submarine volcano (5, 1990) Historical	**1304-12-**
Southern Guadalajara (Mexico)	Volcanic field (None) Pleistocene	.....

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Southern Sikhote-Alin (Russia-SE)	Synonym of Sikhote-Alin	1002-01-
Southern Tuya (Canada)	Tuya of Tuya Volc Field	1200-031
Southern Volcano (Antarctica)	Cone of Adare Peninsula	.....
Southwest Hill [Volcan Sudoeste] (México)	Cinder cone of San Quintin Volc Field	1401-002
Southwest Rift Zone (Pacific-NE)	Fissure vent of Axial Seamount	1301-021
Southwest Rift Zone (Hawaiian Is)	Fissure vent of Kilauea	1302-01-
Southwest Rift Zone (Hawaiian Is)	Fissure vent of Mauna Loa	1302-02=
Southwest Trident (Alaska Peninsula)	Stratovolcano of Trident	1102-16-
Sovgavan Plateau Volc Field (Russia-SE)	Fissure vent of Sikhote-Alin	1002-01-
Sozan (Honshu-Japan)	Dome of Numazawa	0803-151
SP Crater (US-Arizona)	Cone of San Francisco Volc Field	.....
Spaccata, Montagna (Italy)	Crater of Campi Flegrei	0101-01=
Spanish Bonk (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Spanish Creek [Spanish Lake] (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Spanish Lake (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Spanish Mump (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Spectrum Range (Canada)	Shield volcano (None) Holocene	**1200-07-**
Spence Hot Spring (US-New Mexico)	Thermal feature of Valles Caldera	.....
Spendlove Knoll (US-Utah)	Cinder cone of Kolob	.....
Sphinx (Canada)	Dome of Edziza	1200-06-
Sphinx Moraine (Canada)	Vent of Garibaldi Lake	1200-19-
Spina, Monte (Italy)	Dome of Campi Flegrei	0101-01=
Spinaio, Mt. (Italy)	Cone of Vulsini	0101-003
Spitaksar (Armenia)	Dome of Ghegam Ridge	0104-07-
Split Butte (US-Idaho)	Cone of Craters of the Moon	1204-02-
Split Butte (US-Idaho)	Maar of Wapi Lava Field	1204-03-
Spokoiny (Kamchatka)	Stratovolcano (1, -3450) Radiocarbon	**1000-671**
Sporades (Greece)	Lava dome (None) Pleistocene	.....
Sprague River Valley (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Spring Butte (US-Oregon)	Cone of Newberry	1202-11-
Spring Ghaut Soufriere (W Indies)	Thermal feature of Soufrière Hills	1600-05=
Spring Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Spring Hill (US-California)	Cone of Shasta	1203-01-
Springerville (US-Arizona)	Volcanic field (None) Pleistocene	.....
Sprinker (Germany)	Maar of West Eifel Volc Field	0100-01-
Spurr (Alaska-SW)	Stratovolcano (7, 1992) Historical	**1103-04-**
Squamish (Canada)	Volcanic field (None) Pleistocene	.....
Squaw Lake (US-Wyoming)	Crater of Yellowstone	1205-01-
Squaw Ridge Lava Field (US-Oregon)	Volcanic field (None) Holocene?	**1202-13-**
Sredni (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Srednii (Kuril Is)	Submarine volc. (Uncertain) Holocene	**0900-211**
Sredniy (Kuril Is)	Crater of Ebeko	0900-38=
Sredniy Koshegochek (Kamchatka)	Shield volcano (None) Pleistocene	.....
Sredny (Kamchatka)	Shield volcano of Tuzovsky	1000-54-
Sredny (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Srednyaya [Sredny] (Kamchatka)	Stratovolcano of Ushkovsky	1000-261
Srezannaia Mountain (Kamchatka)	Synonym of Maly Semiachik	1000-14=
Srezannyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Srodjo [Sroja] (Java)	Cone of Dieng Volc Complex	0603-20=
Sroja (Java)	Cone of Dieng Volc Complex	0603-20=
Srongga, Bukit (Lesser Sunda Is)	Cone of Batur	0604-01=
Ssawadowski (Antarctica)	Synonym of Zavodovski	1900-13=
St Allouran (Indian O.-S)	Cone of Kerguelen Islands	0304-02=
St. Andrew Strait (Admiralty Is)	Complex volcano (4, 1957) Historical	**0500-01=**
St Antony Peak (Kuril Is)	Synonym of Tiatia	0900-03=
St Augustine (Alaska-SW)	Synonym of Augustine	1103-01-
St. Catherine (W Indies)	Stratovolcano (None) Holocene	**1600-17=**
St Dolmat (Alaska Peninsula)	Synonym of Fourpeaked	1102-26-
St. George (Alaska-W)	Volcanic field (None) Pleistocene	.....
St George's Harbor (W Indies)	Crater of St. Catherine	1600-17=
St. George's Hill (W Indies)	Stratovolcano of Soufrière Hills	1600-05=
St. Helens (US-Washington)	Stratovolcano (40, 2008) Historical	**1201-05-**
St Heliers (New Zealand)	Tuff ring of Auckland Field	0401-02=
St Hyacinthe, Mt. (Alaska-E)	Synonym of Edgecumbe	1105-04-
St John, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
St John's Flat (W Indies)	Dome of Saba	1600-01=
St Joseph's Mt. [Lassen Peak] (US-Calif.)	Dome of Lassen Volc Center	1203-08-
St Marys Crater (New Zealand)	Maar of Auckland Field	0401-02=
St. Michael (Alaska-W)	Shield volcanoes (None) Anthropology	**1104-04-**
St Michael Mountain (Alaska-W)	Cone of St. Michael	1104-04-
St. Paul (Indian O.-S)	Stratovolcano (1, 1793) Historical	**0304-002**
St. Paul Island (Alaska-W)	Shield volcano (1, -1280) Radiocarbon	**1104-01-**
St Paulo (Indian O.-S)	Synonym of St. Paul	0304-002
St Peter's Dome (US-New Mexico)	Dome of Valles Caldera	.....
St Thomas (Africa-W)	Synonym of Sao Tome	0204-001
Stakahraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Stampar (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Stangarhals (Iceland-SW)	Fissure vent of Hengill	1701-05=
Star Peak (Vanuatu-SW Pacific)	Synonym of Mere Lava	0507-021
Starbuck Crater (Antarctica)	Crater of Bursey, Mt.	.....
Starichky (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Stary Kikhpinych (Kamchatka)	Stratovolcano of Kikhpinych	1000-18=
Stary Sheveluch (Kamchatka)	Stratovolcano of Sheveluch	1000-27=
State President Swart Peak (Indian O.-S)	Cone of Marion Island	0304-07-
Staughtons Hill (Australia)	Maar of Newer Volcanics Prov	0509-01-
Steamboat Springs (US-Nevada)	Lava domes (None) Pleist.-Fumarolic	.....
Steaming Hill Lake (Vanuatu-SW Pacific)	Synonym of Gaua	0507-02=
Steamy Gulch Hot Springs (US-Washington)	Thermal feature of St. Helens	1201-05-
Steere, Mount (Antarctica)	Shield volcano of Crary Group	.....
Stefanos (Greece)	Vent of Nisyros	0102-05=
Steinaholl (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Steller (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Steller (Alaska Peninsula)	Stratovolcano (None) Holocene	**1102-22-**
Stena (Kamchatka)	Dome of Ksudach	1000-05=
Stena (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Step Canyon Hot Springs (US-Washington)	Thermal feature of St. Helens	1201-05-
Step Sister [Black Hump] (US-Oregon)	Dome of North Sister Field	1202-07-
Stephanos [Stefanos] (Greece)	Vent of Nisyros	0102-05=
Stephen Island (Australia)	Cone of Maer Volc Province	.....
Stephens Hill (Alaska-W)	Cone of St. Michael	1104-04-
Stepovak Bay 1 (Alaska Peninsula)	Stratovolcano (None) Pleistocene	.....
Stepovak Bay 2 (Alaska Peninsula)	Cinder cone (None) Holocene	**1102-051**
Stepovak Bay 3 (Alaska Peninsula)	Cinder cone (None) Holocene?	**1102-052**
Stepovak Bay 4 (Alaska Peninsula)	Stratovolcano (None) Pleistocene	**1102-053**
Sterna Gambru (Greece)	Dome of Methana	0102-02=

Ed Wolfe (USGS/HVO)

Snow-mantled **Sunset Crater** (left-center), is the youngest volcanic feature of the San Francisco Mountain volcanic field, which covers a vast area of northern Arizona between Flagstaff and the Grand Canyon. The Sunset Crater eruption began about 1100 AD.

Ste-Rose, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Sterpeto (Italy)	Dome of Vico-Cimino Complex	.....
Stikine River Volc Field (Canada)	Synonym of Klastline Group	.....
Stockmans Hill (Australia)	Cone of McBride Volc Province	.....
Stockyard Hill (Australia)	Tuff ring of Newer Volcanics Prov	0509-01-
Stokap (Kuril Is)	Stratovolcano of Bogatyr Ridge	0900-06-
Stolovaya (Kamchatka)	Dome of Opala	1000-08=
Stone Mountain [Little Glass Mountain] (US)	Dome of Medicine Lake	1203-02-
Stony Beach Hills (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Stony Hill (Atlantic-S)	Dome of Tristan da Cunha	1806-01=
Stony Hill Group (Atlantic-S)	Cinder cone of Tristan da Cunha	1806-01=
Stora Eldborg undir Geitlahlid (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Storahversmoi (Iceland-NE)	Shield volcano of Theistareykjarbunga	1703-09=
Storaviti (Iceland-NE)	Shield volcano of Theistareykjarbunga	1703-09=
Storhofdi (Iceland-SE)	Cone of Oraefajokull	1704-01=
Storhofdi (Iceland-S)	Tuff cone of Vestmannaeyjar	1702-01=
Stori Bolli (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Stori-Brandur (Iceland-SW)	Submarine vent of Reykjanes	1701-02=
Storm (Canada)	Cone of Edziza	1200-06-
Stoves of Nero (Italy)	Crater of Campi Flegrei	0101-01=
Strariy (Russia-SE)	Cinder cone of Oka Plateau	1002-06-
Strawberry Knolls (US-Utah)	Cone of Markagunt Plateau	1207-04-
Streloshnaia Sopka (Kamchatka)	Synonym of Koryaksky	1000-09=
Strelotschnaja (Kamchatka)	Synonym of Koryaksky	1000-09=
Strohn (Germany)	Maar of West Eifel Volc Field	0100-01-
Stromboli (Italy)	Stratovolcano (22, 2010) Historical	**0101-04=**
Strombolicchio (Italy)	Cone of Stromboli	0101-04=
Strompar (Iceland-SW)	Shield volcano of Brennisteinsfjoll	1701-04=
Stronghyle [Riva] (Greece)	Pleistocene caldera of Santorini	0102-04=
Strongyle (Italy)	Synonym of Stromboli	0101-04=
Strutur (Iceland-S)	Tuya (None) Pleistocene	.....
Strytuhraun (Iceland-SW)	Shield volcano of Hveravellir	1701-08=
Stuart Hill (Alaska-W)	Shield volcano of St. Michael	1104-04-
Stuart Hill [Stuert Hill] (Honduras)	Cinder cone of Utila Island	1403-16-
Stubel Crater (Kamchatka)	Maar of Ksudach	1000-05=
Stuert Hill (Honduras)	Cinder cone of Utila Island	1403-16-
Stufe di Kazen (Italy)	Cone of Pantelleria	0101-071
Stupenchaty (Kamchatka)	Dome of Bezymianny	1000-25=
Stupenchaty Bastion (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Sturge Island (Antarctica)	Stratovolcano (None) Uncertain	**1900-012**
Sturgeon Volc Province (Australia)	Shield volcanoes (None) Pleistocene	.....
Styaks Swamp (New Zealand)	Cone of Auckland Field	0401-02=
Suachu (Kamchatka)	Synonym of Avachinsky	1000-10=
Suaru, Mt. (New Guinea)	Stratovolcano (None) Pleistocene	.....
Subai [Kudriavy] (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Subia, Puig (Spain)	Cone of Olot Volc Field	0100-03-
Suchiltepequez (Guatemala)	Synonym of Atitlan	1402-06=
Suchioc Chico (México)	Cinder cone of Chichinautzin	1401-08=
Suchioc Grande (México)	Cinder cone of Chichinautzin	1401-08=
Suchitan (Guatemala)	Stratovolcanoes (Uncertain) Holocene	**1402-16-**
Suchitepequez (Guatemala)	Synonym of Atitlán	1402-06=
Sudoeste, Volcan (México)	Cinder cone of San Quintin Volc Field	1401-002

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sudsohn (New Britain-SW Pac)	Synonym of Bamus	0502-11=
Sudurey (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Sudurgigar (Iceland-S)	Fissure vent of Hekla	1702-07=
Sueindani (Honshu-Japan)	Vent of Momisawa-dake	.....
Suelich (Kamchatka)	Synonym of Shiveluch	1000-27=
Suelich (Kamchatka)	Former dome of Shiveluch	1000-27=
Suemez Strait (Alaska-E)	Vent of Tlevak Strait-Suemez Is	1105-06-
Sugar Bowl (US-Washington)	Dome of St. Helens	1201-05-
Sugar Loaf (Hawaiian Is)	Tuff cone of Koolau	.....
Sugar Loaf [Levera Island] (W Indies)	Dome of St. Catherine	1600-17=
Sugarloaf (Aleutian Is)	Cone of Makushin	1101-31-
Sugarloaf (W Indies)	Dome of Quill, The	1600-02=
Sugarloaf (New Guinea)	Volcanic field (None) Pleistocene	.....
Sugarloaf Mountain (US-California)	Dome of Coso Volc Field	1203-18-
Sugarloaf Peak (US-California)	Shield volcano of Potato Butte	.....
Sugarloaf Peak (Aleutian Is)	Stratovolcano of Semisopochnoi	1101-06-
Sugarpine Butte (US-Oregon)	Cinder cone of Newberry	1202-11-

Yukio Hayakawa (Gunma Univ.)

A steam plume rises above On-take, the summit crater of **Suwanose-jima** volcano in Japan's Ryukyu Islands. Suwanose-jima, one of Japan's most frequently active volcanoes, has been in a state of intermittent strombolian activity since 1949.

Sugatamino-ike (Hokkaido-Japan)	Crater of Daisetsu	0805-06=
Sugigamine (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Sugobo [Andrew's Cone] (Africa-E)	Cone of Barrier, The	0202-03=
Suguta River Hot Springs (Africa-E)	Thermal feature of Emuruangogolak	0202-051
Suguta-Logkipi (Africa-E)	Thermal feature of Barrier, The	0202-03=
Suiro (Philippines-C)	Dome of Biliran	0702-08=
Suiyo Seamount (Izu Is-Japan)	Submarine volcano (None) Fumarolic	**0804-093**
Sujut (Mindanao-Philippines)	Synonym of Makaturing	0701-04=
Sujut (Mindanao-Philippines)	Synonym of Ragang	0701-06=
Sukadana (Sumatra)	Shield volcano (None) Pleistocene	.....
Sukai-Kesemaru (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	.....
Sukaria Caldera (Lesser Sunda Is)	Caldera (None) Fumarolic	**0604-12=**
Sukawa-dake (Honshu-Japan)	Synonym of Kurikoma	0803-21=
Suket (Java)	Stratovolcano of Raung	0603-34=
Sukhoi (Kamchatka)	Stratovolcano of Maly Semiachik	1000-14=
Sukumo-yama (Honshu-Japan)	Cone of Izu-Tobu	0803-01=
Sukuta See [Suguta-Logkipi] (Africa-E)	Thermal feature of Barrier, The	0202-03=
Sulfur Cones (Antarctica)	Cone of Hut Point Peninsula	.....
Sulfur Hill [Jalajala] (Luzon-Philippines)	Thermal feature of Laguna Caldera	0703-08=
Sulfur Springs (W Indies)	Thermal feature of Plat Pays, Morne	1600-11=
Sulfur Works (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Sulfureo, Lago [Lago Veccienna] (Italy)	Crater of Larderello	0101-001
Sulla Tacomi [Tolire Jaha] (Indonesia)	Crater of Gamalama	0608-06=
Sulnasker (Iceland-S)	Cone of Vestmannaeyjar	1702-01=
Sulphur Bank (Hawaiian Is)	Thermal feature of Kilauea	1302-01-
Sulphur Cone (Hawaiian Is)	Cone of Mauna Loa	1302-02=
Sulphur Creek (New Britain-SW Pac)	Crater Row of Rabaul	0502-14=
Sulphur Hot Springs (US-Washington)	Thermal feature of Glacier Peak	1201-02-
Sulphur Island (Volcano Is-Japan)	Synonym of Iotc [Iwo-jima]	0804-12=
Sulphur Lagoon [Lower Te Mari] (New Zeal.)	Crater of Tongariro	0401-08=
Sulphur Lake (D'Entrecasteaux Is)	Thermal feature of Iamalele	0503-05=
Sulphur Springs (W Indies)	Vent of Qualibou	1600-14=
Sulphur Springs (W Indies)	Thermal feature of Qualibou	1600-14=
Sulphur Springs (US-New Mexico)	Thermal feature of Valles Caldera	.....
Sulphur Valley (New Zealand)	Thermal feature of Whale Island	.....
Sultan (Pakistan)	Volcanic field (None) Pleistocene	.....
Sultan Hamud-Simba (Africa-E)	Volcanic field (None) Pleistocene	.....
Sulu (Sulu Is-Philippines)	Synonym of Jolo	0700-01=
Sulu Hills (New Britain-SW Pac)	Synonym of Sulu Range	0502-09=
Sulu Range (New Britain-SW Pac)	Stratovolcanoes (None) Fumarolic	**0502-09=**
Sumaco (Ecuador)	Stratovolcano (1, 1895) Historical	**1502-04=**
Sumber Panas (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Sumbing (Java)	Dome of Kelut	0603-28=
Sumbing (Java)	Stratovolcano (1, 1730) Historical	**0603-22=**
Sumbing (Sumatra)	Stratovolcano (2, 1921) Historical	**0601-18=**
Sumisu Dai-ichi Knoll (Izu Is-Japan)	Submarine vent of Smith Rock	0804-08=
Sumisu Dai-ni Knoll (Izu Is-Japan)	Submarine vent of Smith Rock	0804-08=
Sumisu Knoll No. 1 [Sumisu Dai-ichi Knoll]	Submarine vent of Smith Rock	0804-08=
Sumisu Knoll No. 2 [Sumisu Dai-ni Knoll]	Submarine vent of Smith Rock	0804-08=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Sumisu-jima (Izu Is-Japan)	Cone of Smith Rock	0804-08=
Sumisu-jima (Sumisu-sho) (Izu Is-Japan)	Synonym of Smith Rock	0804-08=
Sumiyoshi-ike (Kyushu-Japan)	Maars (2, -6200) Radiocarbon	**0802-081**
Summit Butte (US-Oregon)	Shield volcano of Wilson	.....
Summit Rock (US-Oregon)	Cone of Thielsen	.....
Sumon (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Sumur (Java)	Crater of Dieng Volc Complex	0603-20=
Sumur Bandung (Java)	Crater of Arjuno-Welirang	0603-29=
Sumur Tinggi, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Sunagohara (Honshu-Japan)	Caldera (None) Pleistocene	.....
Sunda Caldera (Java)	Pleist. caldera of Tangkubanparahu	0603-09=
Sunday Island (Kermadec Is)	Synonym of Raoul Island	0402-03=
Sundhnukar (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Sundoro (Java)	Stratovolcano (11, 1971) Historical	**0603-21=**
Sunequera (Bolivia)	Shield volcano (None) Pleistocene	.....
Sunflower Flat (US-California)	Dome of Lassen Volc Center	1203-08-
Sungal [Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Sungay, Mt. (Luzon-Philippines)	Stratovolcano of Taal	0703-07=
Sung-Hua-Chiang (China-E)	Lava domes (None) Quaternary	.....
Sunrise (Izu Is-Japan)	Thermal feature of Myojin Knoll	0804-061
Sunset (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Sunset Crater (US-Arizona)	Cinder cone (1, 1075) Dendrochronology	**1209-02-**
Suoh (Sumatra)	Calderas (1, 1933) Historical	**0601-27=**
Suou-ana (Izu Is-Japan)	Crater of Miyake-jima	0804-04=
Süphan Dagi (Turkey)	Stratovolcano (1, -8050) Holocene	**0103-021**
Supply Reef (Mariana Is-C Pacific)	Submarine volc. (2, 1989) Hydrophonic	**0804-142**
Suretamatai (Vanuatu-SW Pacific)	Complex volcano (3, 1966) Historical	**0507-01=**
Suretametai (Vanuatu-SW Pacific)	Synonym of Suretamatai	0507-01=
Suribachi-Kakokyu (Hokkaido-Japan)	Cone of Tokachi	0805-05=
Suribachi-yama (Volcano Is-Japan)	Cinder cone of Iotc [Iwo-jima]	0804-12=
Suribachi-yama (Honshu-Japan)	Cone of Utsukushigahara	.....
Suribati-yama [Suribachi-yama] (Japan)	Cinder cone of Iotc [Iwo-jima]	0804-12=
Surice (Slovakia)	Vent of Central Slovakia	.....
Surprise Lake Volc Field (Canada)	Synonym of Atlin Volc Field	1200-03-
Surtsey (Iceland-S)	Tuff cone of Vestmannaeyjar	1702-01=
Surúndaro, Cerro de (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Susah, Kawah (Java)	Thermal feature of Salak	0603-05=
Susaki (Greece)	(None) Not a Volcano	0102-01=
Susaki (Ryukyu Is)	Cone of Suwanose-jima	0802-03=
Susua (Africa-E)	Synonym of Suswa	0202-11=
Susung Malaki (Luzon-Philippines)	Dome of Labo	.....
Suswa (Africa-E)	Shield volcano (None) Holocene	**0202-11=**
Sutarengga (Java)	Dome of Muria	0603-251
Sutdonduran (Turkey)	Cone of Erciyes Dagi	0103-01=
Sutter Buttes (US-California)	Lava domes (None) Pleistocene	.....
Suwa Fuji [Tateshina-yama) (Honshu-Japan)	Stratovolcano of Kita Yatsuga-take	0803-031
Suwanose-jima (Ryukyu Is)	Stratovolcanoes (24, 2010) Historical	**0802-03=**
Suwanose-jima Oki (Ryukyu Is)	Submarine vent of Suwanose-jima	0802-03=
Suwanose-zima (Ryukyu Is)	Synonym of Suwanose-jima	0802-03=
Suwoh (Sumatra)	Synonym of Suoh	0601-27=
Suwolbong (Korea)	Tuff ring of Halla	1006-04-
Suyama-dake (Honshu-Japan)	Synonym of Kurikoma	0803-21=
Suyelich [Suelich] (Kamchatka)	Former dome of Shiveluch	1000-27=
Suyul Hanish (Red Sea)	Cone of Hanish	0201-022
Suzanna Mount (SE Asia)	Cone of Bas Dong Nai	0705-05-
Suzuga-take (Honshu-Japan)	Dome of Akagi	0803-13=
Svalaskardshraun (Iceland-S)	Crater Row of Hekla	1702-07=
Svalthufa (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Svartadyngja (Iceland-NE)	Shield volcano of Askja	1703-06=
Svartahraun (Iceland-SW)	Crater Row of Hveravellir	1701-08=
Svartihryggur (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Svartikrokur (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Svartsengi (Iceland-SW)	Fissure vent of Reykjanes	1701-02=
Sveiflugigir (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Sveinagja (Iceland-NE)	Fissure vent of Askja	1703-06=
Sveinar (Iceland-NE)	Fissure vent of Fremrinamur	1703-07=
Sverre (Spitsbergen)	Synonym of Sverrefjell	.....
Sverrefjell (Spitsbergen)	Cinder cone (None) Pleistocene	.....
Sviagigur (Iceland-NE)	Synonym of Grimsvotn	1703-01=
Svinhofdarhraun (Iceland-S)	Fissure vent of Hekla	1702-07=
Svorluborgir (Iceland-NE)	Crater Row of Krafla	1703-08=
Svortutindar (Iceland-W)	Cone of Snaefellsjokull	1700-01=
Svyashchennaya (Russia-SE)	Cone of Tunkin Depression	1002-05-
SW Usangu Basin (Africa-E)	Lava domes (None) Holocene	**0202-163**
Swamp Wells Butte (US-Oregon)	Cone of Newberry	1202-11-
Swartkop Point (Indian O.-S)	Tuff cone of Marion Island	0304-07-
Swinton Creek (Canada)	Cone of Dark Mountain	.....
Syari (Hokkaido-Japan)	Synonym of Shari	.....
Sykes (Mexico)	Maar of Pinacate	1401-001
Symonds Street (New Zealand)	Cone of Auckland Field	0401-02=
Syni [Sini] (Russia-SE)	Cone of Udokan Plateau	1002-03-
Syowa-Iwo-zima [Showa-Iwo-jima] (Ryukyu Is)	Dome of Kikai	0802-06=
Syowa-Sinzan [Showa-Shinzan] (Japan)	Dome of Usu	0805-03=
Syozi-yama [Shoji-yama] (Honshu-Japan)	Dome of Osore-yama	0803-29=
Syrdri Raudamelskula (Iceland-W)	Cone of Ljosufjoll	1700-03=
Syrfellshraun (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Syrkhissar (Georgia)	Dome of Kasbek	0104-02-
Syurado [Shurado] (Honshu-Japan)	Crater of Narugo	0803-20=
Szebike (Hungary)	Shield volcano of Balaton Highland	.....
Szigliget (Hungary)	Cone of Balaton Highland	.....
Szilvasko (Hungary)	Cone of Nograd	.....
Sziwan, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Szt. Gyorgyhegy (Hungary)	Shield volcano of Balaton Highland	.....

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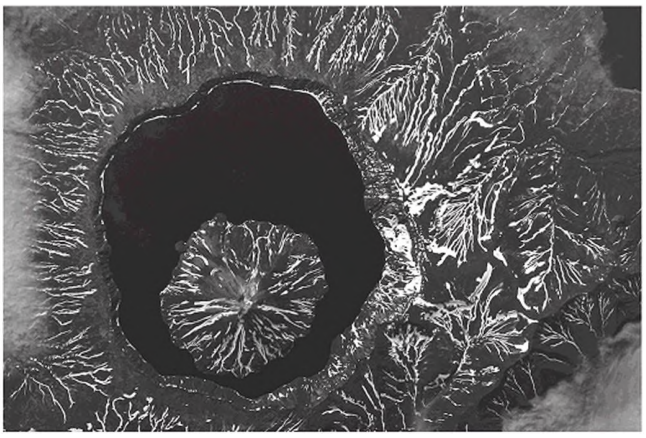
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Talasea Harbour (New Britain-SW Pac)	Synonym of Garua Harbour	0502-06=
Talatak (Luzon-Philippines)	Dome of Bulusan	0703-01=
Talawe, Mount (New Britain-SW Pac)	Stratovolcano of Langila	0502-01=
Talaya Group (Russia-SE)	Cone of Tunkin Depression	1002-05-
Talbot Bank (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Talim Island (Luzon-Philippines)	Stratovolcano of Laguna Caldera	0703-08=
Talimasa, Tavani (Vanuatu-SW Pacific)	Cone of Emae	.....
Talines, Mt. (Philippines-C)	Cone of Cuernos de Negros	0702-01=
Talipao, Mt. (Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Talisay (Luzon-Philippines)	Caldera of Taal	0703-07=
Tallang (Sumatra)	Synonym of Talang	0601-16=
Tallea (Ethiopia)	Cone of Gufa	0201-124
Talo (New Guinea-NE of)	Stratovolcano of Umboi	0501-06=
Talolinga, Loma (Nicaragua)	Cinder cone of San Cristobal	1404-02=
Talopu Hot Spring (New Britain-SW Pac)	Thermal feature of Sulu Range	0502-09=
Talpetate, Cerro (Nicaragua)	Dome of Apoyeque	1404-091
Talquian [Chichuj] (Mexico)	Stratovolcano of Tacana	1401-13=
Talu (Sumatra)	Unknown (None) Post-Miocene	.....
Ta-Lung-wan [Dalongwan] (China-E)	Maar of Longgang Group	1005-05-
Talutu, Mount (New Britain-SW Pac)	Dome of Sulu Range	0502-09=
Tama Lakes (New Zealand)	Crater of Ruapehu	0401-10=
Tamacite, Montana (Canary Is)	Cone of Fuerteventura	1803-05-
Tamagastepec [Tamages] (El Salvador)	Cone of Santa Ana	1403-02=
Tamagawa (Honshu-Japan)	Caldera (None) Pleistocene	.....
Tamagawa Spa (Honshu-Japan)	Thermal feature of Akita-Yake-yama	0803-26=
Tamages (El Salvador)	Cone of Santa Ana	1403-02=
Tamami (Santa Cruz Is-SW Pacific)	Synonym of Tinakula	0506-01=
Taman Gedang (Sumatra)	Crater of Kunyit	0601-171
Taman Saat (Java)	Crater of Patuha	0603-07=
Taman, Kawah (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tamangoni (New Britain-SW Pac)	Dome of Unea	.....
Tamanhidup (Java)	Crater of Iyang-Argapura	0603-33=
Tamankering (Java)	Crater of Iyang-Argapura	0603-33=
Tamankring (Java)	Cone of Iyang-Argapura	0603-33=
Tamano-ike (Honshu-Japan)	Crater of Chokai	0803-22=
Tamansari Group (Lesser Sunda Is)	Crater of Batur	0604-01=
Tamarii Seamount (Austral Is-C Pacific)	Synonym of Macdonald	1303-06-
Tambanan (Lesser Sunda Is)	Unknown (None) Quaternary	.....
Tambo Quemado (Bolivia)	Pyroclastic shield (None) Holocene	**1505-021**
Tambor Grande (Nicaragua)	Caldera (None) Quaternary	.....
Tambora (Lesser Sunda Is)	Stratovolcano (7, 1967) Historical	**0604-04=**
Tambunarakwe, Viti (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Tamertiou, Tarso (Africa-N)	Cone of Tousside, Tarso	0205-01=
Tamia, Montana (Canary Is)	Cone of Lanzarote	1803-06-
Tamlang, Mt. (Luzon-Philippines)	Cone of San Pablo Volc Field	0703-06=
Tamojang [Tamoyang] (Lesser Sunda Is)	Crater of Sirung	0604-27=
Tamoyang (Lesser Sunda Is)	Crater of Sirung	0604-27=
Tampad (Mindanao-Philippines)	Cone of Matutum	0701-02=
Tampomas (Java)	Stratovolcano (None) Holocene	**0603-131**



NASA Space Shuttle image ISS005-E-6518

Summer snow remnants highlight dendritic drainages cutting pyroclastic-flow deposits on the flanks of lake-filled **Tao-Rusyr** caldera in the Kuril Islands; post-caldera Krenitzyn Peak stratovolcano partially fills the caldera lake.

Tampusu [Tompusu] (Sulawesi-Indonesia)	Cone of Tondano Caldera	0606-07-
Tana (Aleutian Is)	Stratovolcanoes (None) Holocene	**1101-241**
Tana (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Tanaba (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Tanada (Alaska-E)	Shield volcano (None) Pleistocene	.....
Tanaga (Aleutian Is)	Stratovolcanoes (6, 1914) Historical	**1101-08-**
Tanah Lapang (Halmahera-Indonesia)	Crater of Dukono	0608-01=
Tanak-Angunak (Aleutian Is)	Synonym of Carlisle	1101-23-
Tancitaro, Volcan (Mexico)	Stratovolc. of Michoacan-Guanajuato	1401-06=
Tandic (Mindanao-Philippines)	Dome of Leonard Range	0701-031
Tandikai (Sumatra)	Synonym of Tandikat	0601-15=
Tandikat (Sumatra)	Stratovolcanoes (3, 1924) Historical	**0601-15=**
Tandukbenua, Dolok (Sumatra)	Cone of Toba	0601-09=
Tandurek (Turkey)	Synonym of Tendürek Dagi	0103-03=
Tanemakishiro (Honshu-Japan)	Crater of Iwaki	0803-27=
Tanemakisiro [Tanemakishiro] (Japan)	Crater of Iwaki	0803-27=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tanga (New Ireland-SW Pacific)	Stratovolcano (None) Pleist -Hot Springs	.....
Tanganasoga (Canary Is)	Cinder cone of Hierro	1803-02-
Tangano (Africa-E)	Shield volcano of Ngozi	0202-164
Tangaroa (New Zealand)	Submarine volcano (None) Fumarolic	**0401-102**
Tangarca, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Tanggamus (Sumatra)	Stratovolcano (None) Quaternary	.....
Tangi (New Britain-SW Pac)	Stratovolcano (None) Pleistocene	.....
Tangkoeban Prahoe (Java)	Synonym of Tangkubanparahu	0603-09=
Tangkoko (Sulawesi-Indonesia)	Synonym of Tongkoko	0606-13=
Tangkuban Parahu (Java)	Synonym of Tangkubanparahu	0603-09=
Tangkuban Perahu (Java)	Synonym of Tangkubanparahu	0603-09=
Tangkubanparahu (Java)	Stratovolcano (18, 1983) Historical	**0603-09=**
Tanglup, Mount (New Guinea-NE of)	Cone of Umboi	0501-06=
Tang-Shui-Chang (China-E)	Thermal feature of Changbaishan	1005-06-
Tanguerres (Colombia)	Synonym of Azufral	1501-09=
Tangues, Piton (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Tanguna (Ecuador)	Dome of Chachimbiro	1502-002
Tangwangi, Vuti (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Tangy'n (China-E)	Unknown (None) Quaternary	.....
Tanjung Tiramana (Lesser Sunda Is)	Thermal feature of Paluweh	0604-15=
Tank Farm (New Zealand)	Tuff ring of Auckland Field	0401-02=
Tanna (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Tanodourek (Turkey)	Synonym of Tendürek Dagi	0103-03=
Tansei (Honshu-Japan)	Dome of Nantai	0803-141
Tantalus (Hawaiian Is)	Tuff cone of Koolau	.....
Tao, Volcan de (Canary Is)	Cone of Lanzarote	1803-06-
Tao-Rusyr Caldera (Kuril Is)	Stratovolcano (2, 1952) Historical	**0900-31=**
Taos Plateau (US-New Mexico)	Volcanic field (None) Pleistocene	.....
Tapa (Argentina)	Vent of Unnamed	.....
Tapahoro (New Zealand)	Dome of Okataina	0401-05=
Tapak (Lesser Sunda Is)	Stratovolcano of Bratan	0604-001
Tapaquilcha, Volcano (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Tapextе, Cerro (Mexico)	Cinder cone of Chichinautzin	1401-08=
Ta-Ping-shan (China-E)	Synonym of Dabingshan	.....
Tapirag, Mt. (Alaska Peninsula)	Synonym of Fourpeaked	1102-26-
Tapu'ele'ele (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Tapungho (Luzon-Philippines)	Dome of Pinatubo	0703-083
Tapunikandi, Vuti (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Taputapu (Samoa-SW Pacific)	Shield volcano of Tutuila	0404-02-
Tar River Soufriere (W Indies)	Thermal feature of Soufriere Hills	1600-05=
Tar, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Tara (Lesser Sunda Is)	Cone of Mapi Group	.....
Tara, Batoe (Lesser Sunda Is)	Synonym of Tara, Batu	0604-26=
Tara, Batu (Lesser Sunda Is)	Stratovolcano (2, 2010) Historical	**0604-26=**
Tara-dake (Kyushu-Japan)	Stratovolcano (None) Pleistocene	.....
Tarakan (Halmahera-Indonesia)	Pyroclastic cones (None) Holocene	**0608-001**
Tarakan Itji (Halmahera-Indonesia)	Cone of Tarakan	0608-001
Tarakan Lamo (Halmahera-Indonesia)	Cone of Tarakan	0608-001
Taranaki [Egmont] (New Zealand)	Stratovolcano (43, 1854) Historical	**0401-03=**
Taranaki Point (New Zealand)	Cone of Karioi	.....
Tarascan Volc Field (Mexico)	Synonym of Michoacan-Guanajuato	1401-06=
Taratimi (New Zealand)	Tuff ring of Mayor Island	0401-021
Tarawera (New Zealand)	Fissure vent of Okataina	0401-05=
Tardarfjoll (Iceland-SW)	Crater Row of Krisuvik	1701-03=
Tarewakoura (New Zealand)	Dome of Mayor Island	0401-021
Tari (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Tariat Volc Field (Mongolia)	Synonym of Taryatu-Chulutu	1003-01-
Tariat-Choloot (Mongolia)	Synonym of Taryatu-Chulutu	1003-01-
Taro (Honshu-Japan)	Dome of Omanago Group	0803-142
Taroeb [Tarub] (Java)	Stratovolcano of Lamongan	0603-32=
Taroka Group (Bougainville-SW Pacific)	Cone of Loloru	0505-03=
Tarosero (Africa-E)	Stratovolcano (None) Post-Miocene	.....
Tarranosa (Mindanao-Philippines)	Cone of Imbing	.....
Tarso (Chad term for Mountain) see proper name (e.g. Voon, Tarso)		
Tartaret (France)	Cone of Chaine des Puys	0100-02-
Tarub (Java)	Stratovolcano of Lamongan	0603-32=
Tarucun, Cerro (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Tarugo Corral (Ecuador)	Dome of Cayambe	1502-006
Taruki-Higashi (Kyushu-Japan)	Dome of Unzen	0802-10=
Tarumai (Hokkaido-Japan)	Stratovolcano of Shikotsu	0805-04=
Tarutama (Kyushu-Japan)	Thermal feature of Aso	0802-11=
Taryatu-Chulutu (Mongolia)	Volcanic field (1, -2980) Radiocarbon	**1003-01-**
Tashats-sar (Armenia)	Cone of Ghegam Ridge	0104-07-
Tashiro (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Tasiro (Honshu-Japan)	Synonym of Tashiro	.....
Taskesik Tepe (Turkey)	Dome of Acigol-Nevsehir	0103-004
Tasovi, Vusi (Vanuatu-SW Pacific)	Cone of Aoba	0507-03=
Tat Ali (Ethiopia)	Shield volcano (None) Holocene	**0201-106**
Tata Sabaya (Bolivia)	Stratovolcano (None) Holocene	**1505-032**
Tatajachura, Cerro (Chile-N)	Stratovolcano (None) Pleistocene	.....
Tatara (Chile-C)	Shield volcano of San Pedro-Pellado	1507-062
Tatara-San Pedro (Chile-C)	Synonym of San Pedro-Pellado	1507-062
Tatarinov (Kuril Is)	Stratovolcano of Chikurachki	0900-36=
Tatariwan (Sulawesi-Indonesia)	Cone of Lokon-Empung	0606-10=
Tatascamital, Cerro (Guatemala)	Dome of Ixhuatan	.....
Tatchu-san (Kyushu-Japan)	Dome of Kuju	0802-12=
Tateshina-yama (Honshu-Japan)	Stratovolcano of Kita Yatsuga-take	0803-031
Tate-yama (Honshu-Japan)	Stratovolcano (5, 1839) Historical	**0803-08=**
Tatika [Sarvaly] (Hungary)	Shield volcano of Balaton Highland	.....
Tatio, El (Chile-N)	Hydrotherm. field (None) Pleist -Geysers	.....
Tatio, Volcan (Chile-N)	Stratovolcano (None) Pleistocene	.....
Tatodomji (Africa-N)	Cone of Tousside, Tarso	0205-01=
Ta-T'un (China-E)	Synonym of Fanjiatung Group	.....
Tatun Group (Taiwan)	Lava domes (1, -4100) Radiocarbon	**0801-032**

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Ta-tung (Taiwan)	Synonym of Tatun Group	0801-032
Ta-t'ung (China-E)	Synonym of Datong-Fengzen	.....
Tau (Samoa-SW Pacific)	Dome of Tutuila	0404-02-
Ta'u (Samoa-SW Pacific)	Shield volcano (None) Holocene	**0404-001**
Tauanui (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Tauga Point (Samoa-SW Pacific)	Tuff cone of Ofu-Olosega	0404-01=
Tauhara (New Zealand)	Dome of Taupo	0401-07=
Tauhara-Taupo (New Zealand)	Thermal feature of Taupo	0401-07=
Taulevu (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Taungbyauk (SE Asia)	Crater of Lower Chindwin	0705-09-
Taunggala (SE Asia)	Cone of Popa	0705-08-
Taunshits (Kamchatka)	Stratovolcano (2, -550) Radiocarbon	**1000-16-**
Taupe, Puy de la (France)	Cone of Chaîne des Puys	0100-02-
Taupo (New Zealand)	Caldera (25, 260) Radiocarbon	**0401-07=**
Tavai Ruro [Tavani Ruru] (Vanuatu-SW Pac.)	Stratovolcano of Kuwae	0507-07=
Tavakik [Tavani Puhanga] (Vanuatu-SW Pac.)	Cone of Emae	.....
Tavalapa (Vanuatu-SW Pacific)	Cone of Kuwae	0507-07=
Tavani (Melanesian word for Mountain) see proper name (e.g. Kutali, Tavani)		
Tavanpainga [Tavani Tipikal] (Vanuatu)	Cone of Emae	.....
Tavansisak [Tavani Talimasa] (Vanuatu)	Cone of Emae	.....
Taveuni (Fiji Is-SW Pacific)	Shield volcano (34, 1550) Radiocarbon	**0405-01-**
Tavoka (Solomon Is-SW Pacific)	Thermal feature of Savo	0505-07=
Tavui (New Britain-SW Pac)	Submarine volcano (None) Quaternary	.....
Tavui (New Britain-SW Pac)	Caldera (1, -5150) Radiocarbon	**0502-15-**
Tavurvur (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Tavuyanga (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Taweh Hot Springs (Canada)	Thermal feature of Edziza	1200-06-
Tayawan (Luzon-Philippines)	Pleistocene caldera of Pinatubo	0703-083
Taye Poule, Piton (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Ta-Yen-Chih-Feng [Dayanzhifeng] (China-E)	Cone of Changbaishan	1005-06-
Taygete Cone (Antarctica)	Dome of Pleiades, The	1900-013
Tay-in-shan [Dayingshan] (SE Asia)	Stratovolcano of Tengchong	0705-11-
Tayir, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Taylor Butte (US-Oregon)	Cinder cone of Sprague River Valley	.....
Taylor Butte (US-Oregon)	Shield volcano (None) Pleistocene	.....
Taylor Valley (Antarctica)	Cinder cones (None) Pleistocene	.....
Taylor Volc Field (US-New Mexico)	Stratovolcano (None) Pleistocene	.....
Taylor, Mount (US-New Mexico)	Stratovolcano of Taylor Volc Field	.....
Taylors Hill (New Zealand)	Cone of Auckland Field	0401-02=
Tayr, Jabal al (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Taza, Cerro la (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Taza, Cerro la (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=
Taza, La (Chile-C)	Cone of Antillanca Group	1507-153
Tazawa (Honshu-Japan)	Caldera? (None) Pleistocene?	.....
Tazenat (France)	Maar of Chaîne des Puys	0100-02-
Tazumal, Cerrito de (El Salvador)	Cinder cone of Singuil, Cerro	1403-002
Tchegulach (Aleutian Is)	Synonym of Chagulak	1101-20-
Tchobbe (Ethiopia)	Synonym of Corbetti Caldera	0201-29-
Te Ahuahu (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Te Ananui (New Zealand)	Tuff ring of Mayor Island	0401-021
Te Araaka (New Zealand)	Tuff ring of Mayor Island	0401-021
Te Haehaenga (New Zealand)	Thermal feature of Okataina	0401-05=
Te Hapeotoroa (New Zealand)	Dome of Okataina	0401-05=
Te Hoata (New Zealand)	Thermal feature of Taupo	0401-07=
Te Horo (New Zealand)	Tuff ring of Mayor Island	0401-021
Te Horoa (New Zealand)	Dome of Okataina	0401-05=
Te Kahu Rea, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Te Kauhanga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Te Kawa (New Zealand)	Cone of Kakepuku	.....
Te Kopia (New Zealand)	Thermal feature of Kapenga	.....
Te Kopia (New Zealand)	Thermal feature of Okataina	0401-05=
Te Kukuta (New Zealand)	Vent of Mayor Island	0401-021
Te Kumete (New Zealand)	Dome of Okataina	0401-05=
Te Maari [Te Mari] (New Zealand)	Crater of Tongariro	0401-08=
Te Manavai (Chile-Is)	Crater of Easter Island	1506-011
Te Manavai (Chile-Is)	Dome of Easter Island	1506-011
Te Mari (New Zealand)	Crater of Tongariro	0401-08=
Te Paritu (New Zealand)	Vent of Mayor Island	0401-021
Te Pene (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Te Puha Roa, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011
Te Puke (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Te Pupu (New Zealand)	Thermal feature of Taupo	0401-07=
Te Terata (New Zealand)	Dome of Maroa	0401-061
Te Toto Gorge (New Zealand)	Cone of Karioi	.....
Te Uku (New Zealand)	Cone of Karioi	.....
Te Whau (New Zealand)	Cone of Kaikohe-Bay of Islands	0401-01=
Te Whekau (New Zealand)	Crater of Okataina	0401-05=
Teahitia (Society Is-C Pacific)	Submarine volcano (4, 1985) Seismicity	**1303-01-**
Teanzul (Guatemala)	Synonym of Piedra Grande	.....
Tea-Tea, Maunga (Chile-Is)	Dome of Easter Island	1506-011
Teau (Banda Sea)	Synonym of Teon	0605-05=
Tebel Hebeish (Africa-N)	Crater of Bayuda Volc Field	0205-06-
Tebel Qurein (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Tebel Umm Arafibia (Africa-N)	Stratovolcano (None) Post-Miocene	.....
Tebenkov (Kuril Is)	Stratovolcano of Grozny Group	0900-07=
Tecapa (El Salvador)	Stratovolcano (Uncertain) Holocene	**1403-08=**
Tecapa-Laguna de Alegria (El Salvador)	Cone of Tecapa	1403-08=
Tecchiena (Italy)	Pyroclastic cone of Ernici, Monti	.....
Tecolote (Mexico)	Cinder cone of Pinacate	1401-001
Tecolote, Cerro (Guatemala)	Cinder cone of Moyuta	1402-13-
Tecoluca, Cerro (El Salvador)	Dome of Ilopango	1403-06=
Tecomate, Cerro (Mexico)	Dome of Mascota Volc Field	1401-031
Tecomatepe, Cerro (El Salvador)	Stratovolcano of Guazapa	1403-052
Teconto (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tecuamburro (Guatemala)	Stratovolcano (1, 960) Radiocarbon	**1402-12=**
Tecuan, Cerro (El Salvador)	Stratovolcano of Cinotepeque, Cerro	1403-051
Tecuan, Cerro (El Salvador)	Lava cone of San Diego	1403-001
Tecuitlapa (Mexico)	Maar of Serdan-Oriental	1401-092
Tecún Umán, Cerro (Guatemala)	Dome of Almolonga	1402-04=
Tedders (Africa-N)	Synonym of Mrit-Ment Volc Field	.....
Te'elagi (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Teer, Gebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Teeters Nunatak (Antarctica)	Stratovolcano of Hudson Mountains	1900-028
Teeuw (Banda Sea)	Synonym of Teon	0605-05=
Teide, Pico del (Canary Is)	Stratovolcano of Tenerife	1803-03-
Teir, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=

Jim Cole (Univ. of Canterbury)

Snow-capped **Taranaki** (Egmont) volcano dominates the western coast of New Zealand's North Island. Taranaki has collapsed repeatedly during the late Pleistocene and Holocene, producing large debris avalanches whose deposits ring the volcano.

Teishi Knoll [Teishi Kaikyu] (Honshu-Japan)	Submarine vent of Izu-Tobu	0803-01=
Teishi-Kaikyu (Honshu-Japan)	Submarine vent of Izu-Tobu	0803-01=
Teixcal [San Marcelino] (El Salvador)	Cinder cone of Santa Ana	1403-02=
Tekai (Honshu-Japan)	Synonym of Chokai	0803-22=
Tekletunup (Kamchatka)	Shield volcano (None) Pleistocene	.....
Tel Avital (Syria)	Cinder cone of Golan Heights	0300-03-
Tel Bental (Syria)	Cinder cone of Golan Heights	0300-03-
Telagabodas (Java)	Synonym of Talagabodas	0603-15=
Telagakuning (Java)	Crater of Lawu	0603-26=
Telagapui (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Telagaranu (Halmahera-Indonesia)	Synonym of Todoko-Ranu	0608-05=
Telagawaru (Java)	Crater of Ijen	0603-35=
Telago, Gunung (Sumatra)	Unknown (None) Pleistocene	.....
Telapón (Mexico)	Stratovolcano (None) Pleistocene	.....
Telcampana (Mexico)	Cinder cone of Colima	1401-04=
Telefon Bay Cones (Antarctica)	Tuff cone of Deception Island	1900-03=
Teleki's Cone (Africa-E)	Cone of Barrier, The	0202-03=
Telemojo (Java)	Synonym of Telomoyo	0603-231
Telica (Nicaragua)	Stratovolcanoes (39, 2008) Historical	**1404-04=**
Telogo Ketjil [Telogokecil] (Sumatra)	Crater of Daun, Bukit	0601-21=
Telogokecil (Sumatra)	Crater of Daun, Bukit	0601-21=
Telogopasir (Java)	Crater of Dieng Volc Complex	0603-20=
Telogoterus (Java)	Thermal feature of Dieng Complex	0603-20=
Telogowuro (Java)	Crater of Lawu	0603-26=
Telomojo (Java)	Synonym of Telomoyo	0603-231
Telomoyo (Java)	Stratovolcano (None) Holocene	**0603-231**
Telon (Java)	Dome of Muria	0603-251
Telong, Bur ni (Sumatra)	Stratovolcano (5, 1937) Historical	**0601-05=**
Telor, Bukit (Sumatra)	Pyroclastic cone (None) Pleistocene	.....
Telori (Halmahera-Indonesia)	Crater of Dukono	0608-01=
Tembargena, Montaña (Canary Is)	Cinder cone of Hierro	1803-02-
Tembergena (Canary Is)	Cinder cone of Hierro	1803-02-
Temerejeque, Montana (Canary Is)	Cone of Fuerteventura	1803-05-
Tempang (Sulawesi-Indonesia)	Cone of Tondano Caldera	0606-07-
Tempaso [Tempang] (Sulawesi-Indonesia)	Cone of Tondano Caldera	0606-07-
Tempisque, Cerro (Guatemala)	Dome of Ipala	1402-19-
Tenaca, Montaña (Canary Is)	Cinder cone of Hierro	1803-02-
Tenagatu Humun (Lesser Sunda Is)	Unknown (None) Post-Miocene	.....
Tenango [Cerro Tetepetl] (Mexico)	Lava cone of Chichinautzin	1401-08=
Tenaroh, Bukit (Sumatra)	Unknown (None) Pleistocene	.....
Tenas Peak (US-Oregon)	Cinder cone of Cinnamon Butte	1202-15-
Tenayo, Cerro (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tenbo-san (Hokkaido-Japan)	Dome of Shikaribetsu Group	0805-062
Tencho-zan (Hokkaido-Japan)	Fissure vent of Rausu	0805-082
Tenchun (SE Asia)	Synonym of Tengchong	0705-11-
Tendurek Dag (Turkey)	Synonym of Tendürek Dagi	0103-03=
Tendürek Dagi (Turkey)	Shield volcano (2, 1855) Historical	**0103-03=**
Tenduruk Dagi (Turkey)	Synonym of Tendürek Dagi	0103-03=
Tenduruk Golu (Turkey)	Crater of Tendürek Dagi	0103-03=
Teneguia (Canary Is)	Cinder cone of La Palma	1803-01-
Tenerife (Canary Is)	Stratovolcano (42, 1909) Historical	**1803-03-**
Tenerife, Montaña (Canary Is)	Cinder cone of Hierro	1803-02-

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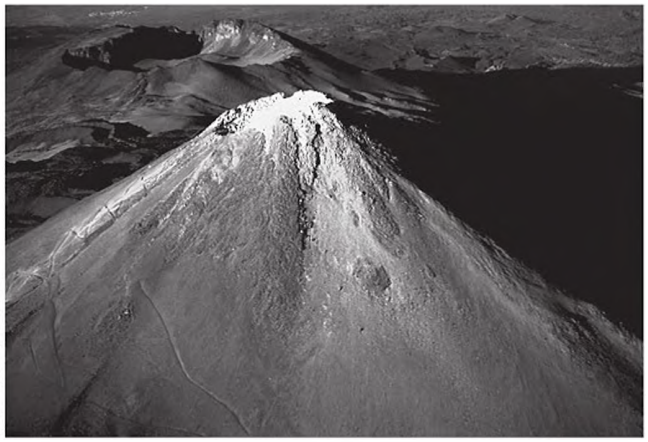
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tenesedra Montaña (Canary Is)	Cinder cone of Hierro	1803-02-
Tenga, Kepundan [Verbeek] (Sumatra)	Crater of Marapi	0601-14=
Teng-Chia-Wang [Tengjiawangshan] (China)	Cone of Longgang Group	1005-05-
Tengchong (SE Asia)	Pyroclastic cones (1, -5750) U-series	**0705-11-**
Tengger Caldera (Java)	Stratovolcanoes (62, 2004) Historical	**0603-31=**
Tengjiawangshan (China-E)	Cone of Longgang Group	1005-05-
Tengu (Honshu-Japan)	Cone of Dainichiga-take	.....
Tengu-dake (Honshu-Japan)	Dome of Iizuna	.....
Tengu-dake (Hokkaido-Japan)	Stratovolcano of Nipesotsu-Maruyama	0805-061
Tengu-Hirayama (Hokkaido-Japan)	Stratovolcanoes (None) Pleistocene	.....
Tengu-yama (Honshu-Japan)	Dome of Tate-yama	0803-08=
Teng-yueh (SE Asia)	Synonym of Tengchong	0705-11-
Tenjin-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Tenjo-san (Izu Is-Japan)	Dome of Kozu-shima	0804-03=
Tennena (Canada)	Cone of Edziza	1200-06-
Tenorio (Costa Rica)	Stratovolcanoes (None) Holocene	**1405-031**



Katia and Maurice Krafft

Pico de **Teide**, the highest peak in the Atlantic Ocean, towers 1700 m above the floor of Las Cañadas caldera on **Tenerife**. Pico Viejo, another post-caldera stratovolcano capped by a 750-m-wide crater, appears in the background.

Tenshi (Honshu-Japan)	Stratovolcano of Izu-Tobu	0803-01=
Tenshi (Honshu-Japan)	Stratovolcano (None) Pleistocene	.....
Tentolomatinan (Sulawesi-Indonesia)	Unknown (None) Quaternary	.....
Tenusset, Puy de (France)	Cone of Chaine des Puys	0100-02-
Tenzyo-san [Tenjo-san] (Izu Is-Japan)	Dome of Kozu-shima	0804-03=
Teodoro Wolf, Isla (Ecuador)	Dome of Cuicocha	1502-003
Teon (Banda Sea)	Stratovolcano (5, 1904) Historical	**0605-05=**
Teou (Banda Sea)	Synonym of Teon	0605-05=
Tepecik Tepe (Turkey)	Cone of Erciyes Dagi	0103-01=
Tepecingo (Mexico)	Cone of Chichinautzin	1401-08=
Tepesidelik Damlaru (Turkey)	Vent of Erciyes Dagi	0103-01=
Tepetiltic (Mexico)	Stratovolcano (None) Pleistocene	.....
Tepetl (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tepetlapan (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tepexitl, Cerro (Mexico)	Tuff ring of Serdán-Oriental	1401-092
Tepezingo (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tepi (Ethiopia)	Shield volcano (None) Holocene	**0201-292**
Tequila (Mexico)	Stratovolcano (None) Pleistocene	.....
Ter, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Terbang, Gunung (Java)	Cone of Slamet	0603-18=
Tercelra (Azores)	Stratovolcanoes (15, 2000) Historical	**1802-05=**
Teresa (Mindanao-Philippines)	Dome of Leonard Range	0701-031
Terevaka, Maunga (Chile-Is)	Shield volcano of Easter Island	1506-011
Termas (Chile-C)	Thermal feature Chillan, Nevados de	1507-07=
Termas (Spanish for Spa) see proper name (e.g. Chanchoco, Termas de)		
Termas, Las (Chile-C)	Stratovolcano of Chillan, Nevados de	1507-07=
Terminal Geyser (US-California)	Thermal feature of Lassen Volc Center	1203-08-
Termopilas, Las (El Salvador)	Thermal feature of Apaneca Range	1403-01=
Tern (Alaska-W)	Cone of Kinia River	.....
Ternate (Halmahera-Indonesia)	Synonym of Gamalama	0608-06=
Terpuk (Kamchatka)	Shield volcano (1, -800) Radiocarbon	**1000-512**
Terra Murata (Italy)	Tuff ring of Campi Flegrei	0101-01=
Terra Nova, Mount (Antarctica)	Cone of Terror, Mt.	.....
Terrace (US-Utah)	Crater of Black Rock Desert	1207-05-
Terrang, Lake (Australia)	Tuff ring of Newer Volcanics Prov	0509-01-
Terre Blanche (W Indies)	Dome of Qualibou	1600-14=
Terre de Bas (W Indies)	Stratovolcanoes (None) Pleistocene	.....
Terre Elm [Sulfur Springs] (W Indies)	Thermal feature of Plat Pays, Morne	1600-11=
Terribile Bank (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Terror, El (Nicaragua)	Cone of Zapatera	1404-111
Terror, Mt. (Antarctica)	Shield volcano (None) Pleistocene	.....
Teski Group (Chile-S)	Crater of Osorno	1508-01=
Tesoro (Canary Is)	Cinder cone of Hierro	1803-02-
Testaccio (Italy)	Crater of Ischia	0101-03=
Teta, Loma la (Nicaragua)	Dome of San Cristobal	1404-02=
Tetecon (Mexico)	Cone of Chichinautzin	1401-08=
Teteltzingo (Mexico)	Crater of Orizaba, Pico de	1401-10=
Tetepetl, Cerro (Mexico)	Lava cone of Chichinautzin	1401-08=
Tetequillo (Mexico)	Lava cone of Chichinautzin	1401-08=
Tetera, Cerro [La Tetra] (US-New Mexico)	Cone of Zuni-Bandera	1210-02-
Tetide (Italy)	Submarine vent C. Flegrei Mar Sicilia	0101-07=
Tetillas, Cerro las (Mexico)	Dome of San Pedro	.....
Tetillas, Las (Mexico)	Cinder cone of Gloria, La	1401-097
Tetitlan, Cerro (Mexico)	Dome of San Pedro	.....
Tetra, La (US-New Mexico)	Cone of Zuni-Bandera	1210-02-
Tetsu-zan (Honshu-Japan)	Stratovolcano of Adatara	0803-17=
Tetu-zan [Tetsu-zan] (Honshu-Japan)	Stratovolcano of Adatara	0803-17=
Tetyaev (Kamchatka)	Cone of Dzenzursky	1000-11=
Teu Minas (Sumatra)	Stratovolcano (None) Pleistocene	.....
Teuctepetl (Mexico)	Synonym of Orizaba, Pico de	1401-10=
Teudeuk, Gunung (Sumatra)	Synonym of Tudeuk, Gunung	.....
Teufelsnadel [Devil's Needle] (Africa-E)	Vent of Lengai, Ol Doinyo	0202-12=
Teuhtli, Volcan (Mexico)	Shield volcano of Chichinautzin	1401-08=
Teun (Banda Sea)	Synonym of Teon	0605-05=
Teupin Iboih (Sumatra)	Thermal feature of Pulau Weh	.....
Teupin Krueng Madun (Sumatra)	Thermal feature of Pulau Weh	.....
Teutli, Volcan [Volcan Teuhtli] (Mexico)	Shield volcano of Chichinautzin	1401-08=
Texontepec (Mexico)	Lava cone of Chichinautzin	1401-08=
Teyotl Peak (Mexico)	Stratovolcano of Iztaccihuatl	1401-082
Teyr, Djebel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Tezicio, Cerro el (Mexico)	Cone of Chichinautzin	1401-08=
Tezontal (Mexico)	Cinder cone of Colima	1401-04=
Tezontle (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tezontle, Volcan (Mexico)	Cinder cone of San Pedro	.....
Tezoyo, Cerro el (Mexico)	Cone of Chichinautzin	1401-08=
Teztontle, Volcan (Mexico)	Cone of Tepetiltic	.....
Thais Hill (W Indies)	Dome of Saba	1600-01=
Thaton (SE Asia)	Fissure vents (None) Pleistocene?	.....
Thaw Hill (Canada)	Cone of Spectrum Range	1200-07-
Thazi (SE Asia)	Vent of Lower Chindwin	0705-09-
The see proper name (e.g. Father, the)		
Thebes (Greece)	Dome of Volos-Atalanti	.....
Theistareykir (Iceland-NE)	Synonym of Theistareykjarbunga	1703-09=
Theistareykjahraun (Iceland-NE)	Fissure vent of Theistareykjarbunga	1703-09=
Theistareykjarbunga (Iceland-NE)	Shield volcano (3, -900) Tephrochron	**1703-09=**
Thera (Greece)	Synonym of Santorini	0102-04=
Thera (Greece)	Shield volcano of Santorini	0102-04=
Therasia-Oia (Greece)	Shield volcano of Santorini	0102-04=
Thiafi Bay (Greece)	Thermal feature of Methana	0102-02=
Thielsen (US-Oregon)	Shield volcano (None) Pleistocene	.....
Thierry (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Thiolet, Puy (France)	Cone of Chaine des Puys	0100-02-
Thira (Greece)	Synonym of Santorini	0102-04=
Thirasia-Oia [Therasia-Oia] (Greece)	Shield volcano of Santorini	0102-04=
Thirsty Point (US-Oregon)	Cinder cone of Cinnamon Butte	1202-15-
Thjofahraun (Iceland-SW)	Fissure vent of Hengill	1701-05=
Tholothi (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Thomazeau (Hispaniola)	Pyroclastic cones (None) Pleistocene	.....
Thompson Island (Atlantic-S)	Submarine volcano? (Uncertain)	**1806-03-**
Thordarhyrna (Iceland-NE)	Stratovolcano of Grimsvotn	1703-01=
Thorisjokull (Iceland-SW)	Subglacial volcano (None) Pleistocene	.....
Thorsarhraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Thrainsskjoldur (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Three Creek Butte (US-Oregon)	Dome of Tumalo	.....
Three Fingered Jack (US-Oregon)	Shield volcanoes (None) Pleistocene	.....
Three Kings (New Zealand)	Tuff ring of Auckland Field	0401-02=
Three Sisters (US-California)	Cone of Medicine Lake	1203-02-
Three Sisters Cones (Antarctica)	Cone of Erebus	1900-02=
Three Trappers (US-Oregon)	Cinder cone of Bachelor	1202-09-
Three-Quarter Cone (Aleutian Is)	Cone of Semisopochnoi	1101-06-
Threngslaborgir (Iceland-NE)	Crater Row of Krafla	1703-08=
Thridrangar (Iceland-S)	Submarine vent of Vestmannaeyjar	1702-01=
Thrihnukar (Iceland-SW)	Fissure vent of Brennisteinsfjoll	1701-04=
Throskuldshraun (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Thule Island (Antarctica)	Submarine vent of Thule Islands	1900-07=
Thule Islands (Antarctica)	Stratovolcanoes (1, 1975) Historical	**1900-07=**
Thumb, The (Canada)	Vent of Hogum Range	.....
Thumb, The (New Guinea)	Dome of Victory	0503-03=
Thwanthuku (Africa-E)	Cone of Sultan Hamud-Simba	.....
Tianchi (China-E)	Caldera of Changbaishan	1005-06-
Tiang-San Pablo Hot Springs (Philippines)	Thermal feature of Banahaw	0703-05=
Tiangyang (SE Asia)	Stratovolcano of Leizhou Bandao	0705-01-
Tianshan Volc Group (China-W)	Volcanic field (2, 650) Historical	**1004-02-**
Tiantishan (SE Asia)	Cone of Tengchong	0705-11-
Tiata Imbabura (Ecuador)	Dome of Imbabura	1502-004
Tiatala (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Tiatia (Kuril Is)	Stratovolcano (4, 1981) Historical	**0900-03=**
Tiau (Tiauw) (Banda Sea)	Synonym of Teon	0605-05=
Tiawir (Luzon-Philippines)	Dome of Natib	0703-082
Tibane (Mindanao-Philippines)	Dome of Camiguin	0701-08=
Tibas (Costa Rica)	Stratovolcano of Barva	1405-05=
Ticab, Lake (Luzon-Philippines)	Maar of Banahaw	0703-05=
Ticoma [Ticomo] (Nicaragua)	Crater of Nejapa-Miraflores	1404-092
Ticomo (Nicaragua)	Crater of Nejapa-Miraflores	1404-092
Ticsani (Perú)	Lava domes (1, 1800) Tephrochronology	**1504-031**
Tidichi, Ehi (Africa-N)	Synonym of Tousside, Tarso	0205-01=
Tido Hayk (Ethiopia)	Crater of Bilate River Field	0201-291
Tidore (Halmahera-Indonesia)	Stratovolcano (None) Holocene	**0608-061**
Tieguoshan (SE Asia)	Cone of Tengchong	0705-11-
Tien-Chi [Tianchi] (China-E)	Caldera of Changbaishan	1005-06-
Tiendilla (Costa Rica)	Cone of Turrialba	1405-07=
Tierra Colorado, Cerro (Guatemala)	Cone of Suchitan	1402-16-

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tigalalu (Halmahera-Indonesia)	Stratovolcano (None) Holocene	0608-071
Tigalate [San Martin] (Canary Is)	Cinder cone of La Palma	1803-01-
Tighe Rock (Antarctica)	Cone of Hudson Mountains	1900-028
Tigilsky (Kamchatka)	Shield volcano (None) Pleistocene	.....
Tigre, El (El Salvador)	Stratovolcano (None) Holocene	1403-082
Tigre, Isla el (Honduras)	Stratovolcano (None) Holocene	1403-13-
Tihanyi Felsziget (Hungary)	Maar of Balaton Highland	.....
Tihia (New Zealand)	Cone of Northern Tongariro Group	.....
Tiho (Djibouti)	Fumarole field (None) Pleistocene	.....
Tihuya [Tahuya] (Canary Is)	Cinder cone of La Palma	1803-01-
Tiis, Kawah (Java)	Thermal feature of Patuha	0603-07=
Tijaw (Banda Sea)	Synonym of Teon	0605-05=
Tikhegy [Agarteto] (Hungary)	Shield volcano of Balaton Highland	.....
Tikitere (New Zealand)	Thermal feature of Rotorua	.....
Tikorangi (New Zealand)	Dome of Okataina	0401-05=
Tikorangi (New Zealand)	Tuff cone of South Auckland	.....
Tikura (Kuril Is)	Synonym of Chikurachki	0900-36=
Tilapa (Mexico)	Cone of Chichinautzin	1401-08=
Tilapia Lake (Africa-E)	Crater of Central Island	0202-01=
Tilarán, Cerro (Costa Rica)	Shield volcano (None) Pleistocene	.....
Tilhue, Cerro (Argentina)	Stratovolcano of Tromen	1507-072
Tiling (Java)	Crater of Lawu	0603-26=
Tillman, Mt. (Alaska-E)	Synonym of Wrangell	1105-02-
Tilmbeg (Vanuatu-SW Pacific)	Cone of Motlav	0507-001
Tilocalar (Chile-N)	Stratovolcanoes (None) Holocene?	1505-105
Tilocalar Norte (Chile-N)	Stratovolcano of Tilocalar	1505-105
Tilocalar Sur (Chile-N)	Stratovolcano of Tilocalar	1505-105
Tilu (Java)	Stratovolcano (None) Pleistocene	.....
Timanfaya Antigua (Canary Is)	Cone of Lanzarote	1803-06-
Timanfaya, Montanas del (Canary Is)	Synonym of Lanzarote	1803-06-
Timbang (Java)	Cone of Dieng Volc Complex	0603-20=
Timber Crater (US-Oregon)	Shield volcano of Crater Lake	1202-16-
Timber Mountain (US-California)	Cone of Hackamore	.....
Timbered Crater (US-California)	Tuff ring of Brushy Butte	1203-03-
Timbered Peak (US-Washington)	Cone of West Crater	1201-06-
Timborombo, Montana de (Canary Is)	Cinder cone of Hierro	1803-02-
Timi, Ehi (Africa-N)	Stratovolcano of Tousside, Tarso	0205-01=
Timpa Rossa, Monte (Italy)	Cinder cone of Etna	0101-06=
Timpone Carrubbo (Italy)	Stratovolcano of Lipari	0101-042
Timpone del Fuoco (Italy)	Shield volcano of Stromboli	0101-04=
Timpone Ospedale (Italy)	Stratovolcano of Lipari	0101-042
Timpone Pataso (Italy)	Stratovolcano of Lipari	0101-042
Timpoong [Mambajao] (Philippines)	Stratovolcano of Camiguin	0701-08=
Tin Can Island (Tonga-SW Pacific)	Synonym of Niuafo'ou	0403-11=
Tin Taralle Volc Field (Africa-N)	Volcanic field (None) Pleistocene	.....
Tin Zaouatene Volc Field (Africa-N)	Volcanic field (None) Holocene	0205-002
Tinaja de los Papagos [Volcan Romo] (Mex.)	Maar of Pinacate	1401-001
Tinaja, Volcan la (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Tinajas, Cerro las (Mexico)	Cone of Zitacuaro-Valle de Bravo	1401-061
Tinajas, Isla (Nicaragua)	Tuff ring of Zapatera	1404-111
Tinajita, Volcan el (Mexico)	Maar of Pinacate	1401-001
Tinakoro (Santa Cruz Is-SW Pacific)	Synonym of Tinakula	0506-01=
Tinakula (Santa Cruz Is-SW Pacific)	Stratovolcano (21, 2007) Historical	0506-01=
Tinaroh (Sumatra)	Synonym of Tenaroh, Bukit	.....
Tindaya, Montana (Canary Is)	Cone of Fuerteventura	1803-05-
Tindfjallajokull (Iceland-S)	Stratovolcano (None) Holocene?	1702-04=
Tindfjoll (Iceland-S)	Synonym of Tindfjallajokull	1702-04=
Tindfjoll (Iceland-S)	Stratovolcano of Tindfjallajokull	1702-04=
Tindima (Africa-E)	Cone of Chyulu Hills	0202-13=
Tindur (Iceland-SW)	Dome of Hofsjokull	1701-09=
Tinga, Montana de (Canary Is)	Cone of Lanzarote	1803-06-
Tinguaton (Canary Is)	Crater of Lanzarote	1803-06-
Tinguiririca (Chile-C)	Stratovolcano (1, 1917) Historical	1507-03=
Tinor (Canary Is)	Shield volcano of Hierro	1803-02-
Tintero, El (US-New Mexico)	Cone of Taylor Volc Field	.....
Tioca (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tioquitas (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tipas (Argentina)	Complex volcano (None) Holocene	1505-22-
Tipikal, Tavani (Vanuatu-SW Pacific)	Cone of Emae	.....
Tipkal, Tavani [Tavani Tipikal] (Vanuatu)	Cone of Emae	.....
Tipsoo Peak (US-Oregon)	Cinder cone of Thielsen	.....
Tipt Pon (Sulu Is-Philippines)	Synonym of Jolo	0700-01=
Tir, Jibbel (Red Sea)	Synonym of Tair, Jebel at	0201-01=
Tirac (Luzon-Philippines)	Dome of Natib	0703-082
Tiranus (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Tirba, Montana (Canary Is)	Cone of Fuerteventura	1803-05-
Ti-re-ku (Taiwan)	Thermal feature of Tatun Group	0801-032
Tirihoi [Brat Chirpoev] (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Tirihoigaku [Brat Chirpoev] (Kuril Is)	Stratovolcano of Chirpoi	0900-15=
Tirinkatar (Armenia)	Pyroclastic cone of Aragats	0104-06-
Tirinkotan (Kuril Is)	Synonym of Chirinkotan	0900-26=
Tirohanga (New Zealand)	Dome of Maroa	0401-061
Tironi (Italy)	Vent of Vesuvius	0101-02=
Tisate, Hervideros de (Nicaragua)	Thermal feature of Telica	1404-04=
Tiscapa, Laguna de (Nicaragua)	Maar of Nejapa-Miraflores	1404-092
Tischo, Cerro (Perú)	Cinder cone of Andahua-Orcopampa	1504-004
Tishigcuchi (Ecuador)	Dome of Illiniza	1502-041
Tisingal (Panama)	Stratovolcano (None) Pleistocene	.....
Tison Lake [Mardja] (Africa-W)	Crater of Ngaoundere Plateau	0204-04-
Titila (Kamchatka)	Shield volcanoes (1, -550) Radiocarbon	1000-56-
Titiraupenga (New Zealand)	Dome of Mangakino	.....
Tiwi (Luzon-Philippines)	Thermal feature of Malinao	.....
Tiwongo (New Britain-SW Pac)	Cone of Lolobau	0502-13=
Tiwu Ata Mbupu (Lesser Sunda Is)	Crater of Kelimutu	0604-14=
Tiwu Ata Polo (Lesser Sunda Is)	Crater of Kelimutu	0604-14=
Tiwu Nua Muri Kooh Tai (Lesser Sunda Is)	Crater of Kelimutu	0604-14=
Tiwu Nua Muri Koohi Fah	Crater of Kelimutu	0604-14=
Tiyaw (Banda Sea)	Synonym of Teon	0605-05=
Tizayuca Volc Field (Mexico)	Volcanic field of Apan-Tezontepec	.....
Tjakrabuana (Java)	Synonym of Cakrabuana	.....
Tjalantjang (Java)	Synonym of Canlancang	.....
Tjaldstadagja (Iceland-SW)	Crater Row of Reykjanes	1701-02=
Tjanar [Canar] (Java)	Crater of Talagabodas	0603-15=
Tjareme (Java)	Synonym of Cereme	0603-17=
Tjarnahnukur (Iceland-SW)	Crater Row of Hengill	1701-05=
Tjarnarholar (Iceland-SW)	Crater Row of Grimsnes	1701-06=
Tjatoe [Catu] (Lesser Sunda Is)	Crater of Batur	0604-01=
Tjatur Caldera (Lesser Sunda Is)	Synonym of Bratan	0604-001
Tjemara, Gunung [Gunung Cemera] (Java)	Cone of Ijen	0603-35=
Tjereme (Tjeremai, Tjerme) (Java)	Synonym of Cereme	0603-17=
Tjiangkuang [Cangkuang] (Java)	Crater of Salak	0603-05=
Tjiaw (Banda Sea)	Synonym of Teon	0605-05=
Tjibeureum [Cibeureum] (Java)	Thermal feature of Kamojang, Kawah	.....
Tjibeureum [Cibeureum] (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tjibeureum Palasari [Cibeureum Palasari]	Thermal feature of Perbakti-Gagak	0603-04=
Tjibodas, Kawah [Kawah Cibodas] (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tjibodas, Kawah [Kawah Cibodas] (Java)	Thermal feature of Salak	0603-05=
Tjibodas, Tjipanas [Cipanas Cibodas] (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tjiboerial [Ciburial] (Java)	Thermal feature of Kamojang, Kawah	.....
Tjibolang, Kawah [Kawah Cibolang] (Java)	Thermal feature of Wayang-Windu	0603-08=
Tjibugis (Java)	Synonym of Cibugis	.....
Tjibuliran [Ciburial] (Java)	Thermal feature of Kamojang, Kawah	.....
Tjibuni, Kawah [Kawah Cibuni] (Java)	Thermal feature of Patuha	0603-07=
Tjigamea, Kawah [Kawah Cigamea] (Java)	Thermal feature of Salak	0603-05=
Tjigupakan [Cigupakan] (Java)	Thermal feature of Kendang	0603-11=
Tjihideung, Tjipanas [Cipanas Cihideung]	Thermal feature of Salak	0603-05=
Tjikaluwung Putri, Kawah [Cikaluwung] (Java)	Thermal feature of Salak	0603-05=
Tjikaluwung, Tjipanas [Cipanas Cikaluwung]	Thermal feature of Perbakti-Gagak	0603-04=
Tjikaluwungherang, Kawah [Cikaluwungherang]	Thermal feature of Perbakti-Gagak	0603-04=
Tjikuraj (Java)	Synonym of Cikuray	.....
Tjilik, Gunung [Gunung Cilik] (Java)	Cone of Ijen	0603-35=
Tjipamatutan [Cipamatutan] (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tjipanas (Dutch of Indonesian word for Hot Spring) see proper name (e.g. Tjibodas, Tjipanas)		
Tjipanas, Kawah [Kawah Cipanas] (Java)	Thermal feature of Salak	0603-05=
Tjipengasahan, Kawah [Kawah Cipengasahan]	Thermal feature of Kamojang, Kawah	.....
Tjiremai (Java)	Synonym of Cereme	0603-17=
Tjisalada, Kawah [Kawah Cisalada] (Java)	Thermal feature of Salak	0603-05=
Tjisalada, Tjipanas [Cipanas Cisalada] (Java)	Thermal feature of Salak	0603-05=
Tjisekati, Tjipanas [Cipanas Cisekati] (Java)	Thermal feature of Perbakti-Gagak	0603-04=
Tjiseupan, Tjipanas [Cipanas Ciseupan]	Thermal feature of Perbakti-Gagak	0603-04=
Tjiwidei, Kawah [Kawah Ciwidei] (Java)	Thermal feature of Patuha	0603-07=
Tjolo, Gunung (Sulawesi-Indonesia)	Synonym of Colo [Una Una]	0606-01=
Tjondrodimuko [Condrodimuko] (Java)	Thermal feature Dieng Volc Complex	0603-20=
Tjondrodimuko, Kawah [Kawah Condrodimuko]	Thermal feature of Merbabu	0603-24=
Tjondrokemuko, Kawah	Thermal feature of Merbabu	0603-24=
Tjörnes Fracture Zone (Iceland-N of)	Submarine volcano (1, 1868) Historical	1703-10=
Tjundung Kelam, Bukit (Sumatra)	Synonym of Cundung Kelam, Bukit	.....
Tjupu, Gunung [Gunung Cupu] (Java)	Cone of Lamongan	0603-32=
Tlacotenco (Mexico)	Fissure vent of Chichinautzin	1401-08=

Michael Ryan (USGS)

Stora-Viti crater caps the low **Theistareykjarbunga** shield volcano in NE Iceland.

Tlacotepec (Mexico)	Lava cone of Chichinautzin	1401-08=
Tlacuallcli (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tlacuayo, Cerro (Mexico)	Cone of Chichinautzin	1401-08=
Tláloc (Mexico)	Stratovolcano (None) Pleistocene	.....
Tlaloc, Volcan (Mexico)	Shield volcano of Chichinautzin	1401-08=
Tlamacas (Mexico)	Dome of Popocatepetl	1401-09=
Tlamacasco (Mexico)	Lava cone of Chichinautzin	1401-08=
Tlapexcua, Volcan (Mexico)	Cone of Chichinautzin	1401-08=
Tlevak Strait-Suemez Is. (Alaska-E)	Volcanic field (None) Holocene	1105-06-
Tman Hidup (Java)	Cone of Iyang-Argapura	0603-33=
To'a (Samoa-SW Pacific)	Tuff cone of Ta'u	0404-001
Toa Toa, Maunga (Chile-Is)	Pyroclastic cone of Easter Island	1506-011

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tsentralnyy Semiachik [Zentralny Semiachik]	Stratovolcano of Bolshoi Semiachik	1000-15=
Tsepochka (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Tserber (Aleutian Is)	Synonym of Semisopochnoi	1101-06-
Tshabwato (Africa-C)	Cone of Nyiragongo	0203-03=
Tshambene (Africa-C)	Vent of Nyamuragira	0203-02=
Tshania (Africa-C)	Cone of Visoke	0203-05-
Tshegere, Ile (Africa-C)	Cone of Nyiragongo	0203-03=
Tshibinda (Africa-C)	Cinder cones (None) Holocene	**0203-08-**
Tshove [Shove] (Africa-C)	Cone of Nyamuragira	0203-02=
Tsiatsia (Kuril Is)	Synonym of Tiatia	0900-03=
Tsifajavona (Madagascar)	Cone of Itasy Volc Field	0303-014
Tsikura (Kuril Is)	Synonym of Chikurachki	0900-36=
Tsingrado-Provatas (Greece)	Tuff cone of Milos	0102-03=
Tsirk (Kuril Is)	Caldera (None) Pleistocene	.....
Tskhouk-Karckar (Armenia)	Pyroclastic cones (1, -3000) Tephrochron	**0104-10-**

Jose Luis Macias (UNAM)

Multiple volcanic centers along a SW-NE line form the **Tres Virgenes** volcanic group in the Baja Peninsula. Thick, rhyodacitic lava flows form prominent ridges on the left flank.

Tsubame (Honshu-Japan)	Thermal feature of Myoko	0803-10=
Tsubunegamori (Izu Is-Japan)	Dome of Mikura-jima	0804-041
Tsuchiurazawa (Honshu-Japan)	Stratovolcano of On-take	0803-04=
Tsuetate (Kyushu-Japan)	Thermal feature of Kuju	0802-12=
Tsugamori (Honshu-Japan)	Stratovolcano of Akita-Yake-yama	0803-26=
Tsugao-yama (Honshu-Japan)	Cone of Fuji	0803-03=
Tsugaru-Fuji (Honshu-Japan)	Synonym of Iwaki	0803-27=
Tsujino-dake (Kyushu-Japan)	Dome of Ibusuki Volc Field	0802-07=
Tsukahara (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Tsukumo-jima (Kyushu-Japan)	Crater of Unzen	0802-10=
Tsukushi-Fuji [Kaimon] (Kyushu-Japan)	Stratovolcano of Ibusuki Volc Field	0802-07=
Tsuruga-ike (Honshu-Japan)	Crater of Norikura	0803-06=
Tsurugi-dake (Honshu-Japan)	Cone of Hakkoda Group	0803-28=
Tsurugi-dake (Honshu-Japan)	Dome of Kurikoma	0803-21=
Tsurugi-yama (Honshu-Japan)	Dome of Osore-yama	0803-29=
Tsurumi (Kyushu-Japan)	Lava domes (3, 867) Historical	**0802-13=**
Tsurumi-dake (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Tsuruta (Honshu-Japan)	Scoria cones (None) Pleistocene	.....
Tuahu (New Zealand)	Dome of Maroa	0401-061
Tuahu (New Zealand)	Tuff cone of Okataina	0401-05=
Tuanshan (SE Asia)	Cone of Tengchong	0705-11-
Tuanzishan (China-E)	Cinder cone of Keluo Group	1005-02-
Tubaru (Halmahera-Indonesia)	Synonym of Ibu	0608-03=
Tuber Hill (Canada)	Stratovolcano of Bridge River Cones	1200-17-
Tuchiyu (Honshu-Japan)	Dome of Azuma	0803-18=
Tuchov Crater (Kamchatka)	Synonym of Zarechny	.....
Tucle, Cerro (Chile-N)	Synonym of Tujle, Cerro	1505-103
Tuddahraun (Iceland-S)	Fissure vent of Katla	1702-03=
Tudeuk, Gunung (Sumatra)	Lava dome (None) Pleistocene	.....
Tudjuh, Danau (Sumatra)	Synonym of Tujuh	.....
Tudu (Lesser Sunda Is)	Crater of Paluweh	0604-15=
Tudu (Lesser Sunda Is)	Thermal feature of Paluweh	0604-15=
Tufton Hall (W Indies)	Thermal feature of St. Catherine	1600-17=
Tugamori [Tsugamori] (Honshu-Japan)	Stratovolcano of Akita-Yake-yama	0803-26=
Tugaru-Huzi (Honshu-Japan)	Synonym of Iwaki	0803-27=
Tugle, Cerro (Chile-N)	Synonym of Tujle, Cerro	1505-103
Tugumynk (Kamchatka)	Dome of Kurile Lake	1000-023
Tuhingamata (New Zealand)	Dome of Taupo	0401-07=
Tuhua (New Zealand)	Synonym of Mayor Island	0401-021
Tui Lake (Kermadec Is)	Crater of Raoul Island	0402-03=
Tuila [Tuyla] (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Tujle, Cerro (Chile-N)	Maar (None) Holocene	**1505-103**
Tujuh (Sumatra)	Stratovolcano (None) Quaternary	.....
Tukad Kladi Hot Spring (Lesser Sunda Is)	Thermal feature of Bratan	0604-001
Tukang Kalo (Luzon-Philippines)	Dome of Labo	.....
Tukap (Kuril Is)	Stratovolcano of Medvezhia	0900-10=
Tukay (Sulu Is-Philippines)	Cone of Jolo	0700-01=
Tukosmeru (Vanuatu-SW Pacific)	Stratovolcano of Yasur	0507-10=
Tukullum (US-Washington)	Synonym of Baker	1201-01=
Tukuyu (Africa-E)	Shield volcano (None) Post-Miocene	.....
Tulabug, Cerro (Ecuador)	Cinder cone of Licto	1502-081

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tulaman [Tuluman] (Admiralty Is-SW Pacific)	Cone of St. Andrew Strait	0500-01=
Tule, Cerro el (Mexico)	Shield volc. of Michoacan-Guanajuato	1401-06=
Tule, Cerro el (Mexico)	Dome of Primavera, Sierra la	.....
Tule, Cerro el (El Salvador)	Cone of San Diego	1403-001
Tulik (Aleutian Is)	Stratovolcano of Okmok	1101-29-
Tullu Moje (Ethiopia)	Pumice cone (2, 1900) Anthropology	**0201-25-**
Tulu Billa (Ethiopia)	Cinder cone of O'a Caldera	0201-28-
Tulu Fike (Ethiopia)	Pyroclastic cone of O'a Caldera	0201-28-
Tulu Moje (Ethiopia)	Synonym of Tullu Moje	0201-25-
Tuluach (Kamchatka)	Synonym of Tolbachik	1000-24=
Tululusia (Africa-E)	Dome of Meru	0202-16=
Tuluman (Admiralty Is-SW Pacific)	Cone of St. Andrew Strait	0500-01=
Tumac Mountain (US-Washington)	Cinder cone (None) Pleistocene	.....
Tumalo (US-Oregon)	Lava domes (None) Pleistocene	.....
Tumanniy (Kamchatka)	Shield volcano (None) Pleistocene	.....
Tumanov (Kamchatka)	Stratovolcano of Asacha	1000-058
Tumatangas (Sulu Is-Philippines)	Cinder cone of Jolo	0700-01=
Tumayhini (Africa-C)	Cone of Nyamuragira	0203-02=
Tumba del Buey, La [Crater del Buey] (Chile)	Crater of Mocho-Choshuenco	1507-13=
Tumble Buttes (US-California)	Cinder cones (None) Holocene?	**1203-06-**
Tumengjiang (China-E)	Synonym of Dunhua	.....
Tumisa (Chile-N)	Stratovolcano (None) Pleistocene	.....
Tumpak (Java)	Crater of Kelut	0603-28=
Tumrok (Kamchatka)	Shield volcano (None) Pleistocene	.....
Tumunui (New Zealand)	Dome of Kapenga	.....
Tumusun [Tumusunskii] (Russia-SE)	Cone of Khamar-Daban	.....
Tunas, Cerro las (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Tunas, Cerro las (México)	Cinder cone of Durango Volc Field	1401-022
Tunaumuri (New Britain-SW Pac)	Maar of Dakataua	0502-04=
Tundroviy (Kamchatka)	Shield volcano of Otdelniy	1000-056
Tung-Chiao-te-Pu-shan [Dongjiaodebushan]	Cone of Wudalianchi	1005-03-
Tunggul, Bukit (Java)	Stratovolcano of Tangkubanparahu	0603-09=
Tung-Heng-Tao-shan [Donghengdaoshan]	Cone of Longgang Group	1005-05-
Tungkat, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Tung-Lung-Men-shan [Donglongmenshan]	Cone of Wudalianchi	1005-03-
Tung-Lung-wan [Donglongwan] (China-E)	Maar of Longgang Group	1005-05-
Tungnaárfjöll (Iceland-NE)	Fissure vents (None) Pleistocene	.....
Tungnafellsjokull (Iceland-NE)	Stratovolcano (None) Holocene	**1703-04=**
Tungnarbotnahraun (Iceland-NE)	Fissure vent of Bardarbunga	1703-03=
Tung-shan (Dongshan) (China-E)	Cone of Erkeshan	.....
Tunguragua (Ecuador)	Synonym of Tungurahua	1502-08=
Tungurahua (Ecuador)	Stratovolcano (26, 2009) Historical	**1502-08=**
Tun-Hua (China-E)	Synonym of Dunhua	.....
Tunipilyakum (Kamchatka)	Shield volcano of Iktunup	1000-67-
Tunisa (Chile-N)	Synonym of Tumisa	.....
Tunisset, Puy de [Puy de Tenusset] (France)	Cone of Chaine des Puys	0100-02-
Tunka Depression (Russia-SE)	Synonym of Tunkin Depression	1002-05-
Tunkin Depression (Russia-SE)	Volcanic field (None) Holocene?	**1002-05-**
Tunnel Cone (US-California)	Cinder cone of Golden Trout Creek	1203-17-
Tunoa (Samoa-SW Pacific)	Shield volcano of Ta'u	0404-001
Tuo, Kapundan [Kepundan Tuo] (Sumatra)	Crater of Marapi	0601-14=
Tuo, Kepundan (Sumatra)	Crater of Marapi	0601-14=
Tuoroisischi (Italy)	Crater of Roccamonfina	.....
Tuororame (Italy)	Dome of Roccamonfina	.....
Tupinier (New Guinea-NE of)	Synonym of Sakar	0501-08=
Tupua (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Tupungatito (Chile-C)	Stratovolcano (18, 1987) Historical	**1507-01=**
Tupungato (Chile-C)	Stratovolcano (None) Pleistocene	.....
Turangunan (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=
Turbid Lake (US-Wyoming)	Crater of Yellowstone	1205-01-
Turchio, Monte (Italy)	Cinder cone of Etna	0101-06=
Turello (Italy)	Dome of Vico-Cimino Complex	.....
Turfan (China-W)	Cone (1, 1120) Historical	**1004-01-**
Turitea (New Zealand)	Cone of Pirongia	.....
Turkey Ridge (US-New Mexico)	Dome of Valles Caldera	.....
Turoro Piccolo (Italy)	Cone of Roccamonfina	.....
Turpentine Peak (US-Oregon)	Shield volcano of Three Fingered Jack	.....
Turquoise Cone (Aleutian Is)	Stratovolcano of Fisher	1101-35-
Turrah, Harrat (Arabia-W)	Volcanic field of Rahat, Harrat	0301-07=
Turrialba (Costa Rica)	Stratovolcano (11, 1866) Historical	**1405-07=**
Turú (Costa Rica)	Stratovolcano of Barva	1405-05=
Turuga-ike [Tsuruga-ike] (Honshu-Japan)	Crater of Norikura	0803-06=
Turugi-dake [Tsurugi-dake] (Honshu-Japan)	Cone of Hakkoda Group	0803-28=
Turugi-yama [Tsurugi-dake] (Honshu-Japan)	Dome of Kurikoma	0803-21=
Turugi-yama [Tsurugi-yama] (Honshu-Japan)	Dome of Osore-yama	0803-29=
Turumi (Kyushu-Japan)	Synonym of Tsurumi	0802-13=
Turumi-dake [Tsurumi-dake] (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Turun, Gunung (Java)	Cone of Ungaran	0603-23=
Tuscolana-Artemisio (Italy)	Pleistocene caldera of Alban Hills	0101-004
Tuscolano-Artemisio (Italy)	Stratovolcano of Alban Hills	0101-004
Tusi al Yamani, Jabal at (Arabia-W)	Cone of Blik, Harrat al	0301-072
Tusi ash Shami, Jabal at (Arabia-W)	Cone of Blik, Harrat al	0301-072
Tutaeheka (New Zealand)	Dome of Kapenga	.....
Tutaeheka (New Zealand)	Dome of Okataina	0401-05=
Tute, Cerro El (El Salvador)	Dome of Apastepeque Field	1403-071
Tutong, Gunung (Sumatra)	Synonym of Telong, Bur ni	0601-05=
Tutsingale Mountain (Canada)	Cone of Kawdy Metah	.....
Tutuila (Samoa-SW Pacific)	Tuff cones (None) Holocene	**0404-02-**
Tutukau (New Zealand)	Dome of Maroa	0401-061
Tutultepeque, Cerro (El Salvador)	Cinder cone of Cinotepeque, Cerro	1403-051
Tutung, Gunung (Sumatra)	Dome of Peuet Sague	0601-03=
Tutupaca (Perú)	Stratovolcano (None) Holocene	**1504-04=**
Tuvio, Mont (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Tuvurvur [Tavurvur] (New Britain-SW Pac)	Stratovolcano of Rabaul	0502-14=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Tuxpan (Mexico)	Shield volc. of Zitacuaro-Valle de Bravo	1401-061
Tuxtepec (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tuxtla, Volcan de (Mexico)	Synonym of San Martin	1401-11=
Tuya #2 (Canada)	Tuya of Tuya Volc Field	1200-031
Tuya Butte (Canada)	Tuya of Tuya Volc Field	1200-031
Tuya Butte Volc Field (Canada)	Synonym of Tuya Volc Field	1200-031
Tuya Lake Volc Field (Canada)	Synonym of Tuya Volc Field	1200-031
Tuya Volc Field (Canada)	Volcanic field (None) Holocene	**1200-031**
Tuya Volcano Group (Canada)	Synonym of Dark Mountain	.....
Tuyajto, Cerro (Chile-N)	Stratovolc. Cordon de Puntas Negras	1505-101
Tuyio [Mont Tuvio] (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Tuyla (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Tuzgle, Cerro (Argentina)	Stratovolcano (None) Holocene?	**1505-15-**
Tuzovsky (Kamchatka)	Shield volcanoes (None) Holocene?	**1000-54-**
Tv1 (New Zealand)	Crater of White Island	0401-04=
Tvibollar (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Tvilling (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Tvitunup (Kamchatka)	Shield volcano of Tuzovsky	1000-54-
Twiddler Hill (Australia)	Cone of Atherton Volc Province	.....
Twin (Canada)	Cone of Edziza	1200-06-
Twin Buttes (US-Oregon)	Cone of Squaw Ridge Lava Field	1202-13-
Twin Buttes (US-California)	Cinder cones (None) Holocene?	**1203-04-**
Twin Calderas (Alaska-W)	Shield volcano of Imuruk Lake	1104-06-
Twin Crater (New Britain-SW Pac)	Crater of Langila	0502-01=
Twin Craters (US-Oregon)	Cinder cone of Belknap	1202-06-
Twin Craters (US-New Mexico)	Crater of Zuni-Bandera	1210-02-
Twin Knolls (US-Arizona)	Cone of Springerville	.....
Twin Mountain (Alaska-W)	Cone of Nunivak Island	1104-02-
Twin Mountain (US-New Mexico)	Cone of Raton-Clayton	.....
Twin Peaks (W Indies)	Dome of Diables, Morne aux	1600-08=
Twin Peaks (US-California)	Dome of Sutter Buttes	.....
Twindaung (SE Asia)	Crater of Lower Chindwin	0705-09-
Twins Crater (Australia)	Crater of Sturgeon Volc Province	.....
Twins, The (US-Oregon)	Shield volcano of Maiden Peak	.....
Twinywa (SE Asia)	Crater of Lower Chindwin	0705-09-
Two Point Butte (US-Idaho)	Cinder cone of Craters of the Moon	1204-02-
Twunamuri (New Britain-SW Pac)	Maar of Dakataua	0502-04=
Tyatya (Kuril Is)	Synonym of Tiatia	0900-03=
Tyausu-dake [Chausu-dake] (Honshu-Japan)	Dome of Nasu	0803-15=
Tyausu-yama (Honshu-Japan)	Synonym of Niigata-Yake-yama	0803-09=
Tygilsky (Kamchatka)	Synonym of Tigilsky	.....
Tynua (Kamchatka)	Shield volcanoes (None) Pleistocene	.....
Tyokai (Honshu-Japan)	Synonym of Chokai	0803-22=
Tyositiro-yama [Choshichiro-yama] (Japan)	Dome of Akagi	0803-13=
Tyubetu-dake (Hokkaido-Japan)	Synonym of Chubetsu	.....
Tyuo-Kakokyu [Chuo-Kakokyu] (Japan)	Cone of Tokachi	0805-05=
Tzanjuyub (Guatemala)	Pleistocene caldera of Santo Tomas	.....
Tzapotlán (Mexico)	Synonym of Colima	1401-04=
Tzempoli (Mexico)	Cinder cone of Chichinautzin	1401-08=
Tzintzungo, Cerro de (Mexico)	Cinder cone of Michoacan-Guanajuato	1401-06=

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Uachlar (Uakhlar) (Kamchatka)	Synonym of Ichinsky	1000-28=
Uau en Namus (Africa-N)	Synonym of Wau-en-Namus	0205-008
Ubakura-yama (Honshu-Japan)	Stratovolcano of Iwate	0803-24=
Ubayu (Honshu-Japan)	Dome of Azuma	0803-18=
Ubehebe Craters (US-California)	Maars (1, -4050) Anthropology	**1203-16-**
Ubia, Mount (New Britain-SW Pac)	Dome of Sulu Range	0502-09=
Ubina, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Ubinas (Peru)	Stratovolcano (20, 2009) Historical	**1504-02=**
Ubur-Khangay (Mongolia)	Volcanic field (None) Pleistocene	.....
Ucanca (Canary Is)	Pleistocene caldera of Tenerife	1803-03-
Uchino (Honshu-Japan)	Cinder cone of Izu-Tobu	0803-01=
Uchiura-dake (Hokkaido-Japan)	Synonym of Komaga-take	0805-02=
Uchi-yama (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Uchkoren (Kamchatka)	Unknown (None) Pleistocene	.....
Uchtapoliar (Armenia)	Cone of Ghegam Ridge	0104-07-
Uchuchei (Russia-SE)	Cone of Udokan Plateau	1002-03-
Uchuy (Peru)	Cinder cone of Andahua-Orcopampa	1504-004
Uctepeler (Turkey)	Cone of Erciyes Dagi	0103-01=
Ucuk Dagi (Turkey)	Cone of Erciyes Dagi	0103-01=
Ud'ale (Ethiopia)	Synonym of Assab Volc Field	0201-125
Udina (Kamchatka)	Stratovolcanoes (None) Holocene	**1000-241**
Udo (Korea)	Tuff cone of Halla	1006-04-
Udochka (Kamchatka)	Shield volcano (None) Pleistocene	.....
Udokan Plateau (Russia-SE)	Pyroclastic cones (5, -220) Radiocarbon	**1002-03-**
Udone-Jima (Izu Is-Japan)	Stratovolcano (None) Pleistocene	.....
Uea Island (SW Pacific)	Synonym of Wallis Islands	0404-05-
Ueno (Honshu-Japan)	Shield volcano (None) Pleistocene	.....
Uetawara-yama (Honshu-Japan)	Stratovolcano of On-take	0803-04=
Ugashik (Alaska Peninsula)	Pleistocene caldera of Ugashik-Peulik	1102-13-
Ugashik-Peulik (Alaska Peninsula)	Stratovolcano (4, 1814) Historical	**1102-13-**
Ugos (Mindanao-Philippines)	Dome of Leonard Range	0701-031
Uguilla, Cerro (Bolivia)	Stratovolcano (None) Post-Miocene	.....
Uhambule (Africa-E)	Dome of SW Usangu Basin	0202-163
Uhay, Mt (Mindanao-Philippines)	Cone of Camiguin	0701-08=
Uhlirsky Vrch (Czech)	Cone of Unnamed	.....
Uilyuchinsky (Kamchatka)	Synonym of Vilyuchik	1000-083
Uinkaret Field (US-Arizona)	Volcanic field (1, 1100) Anthropology	**1209-01-**
Uiun-Kholdongi (China-E)	Synonym of Wudalianchi	1005-03-
Ujakushatsch (Alaska-SW)	Synonym of Redoubt	1103-03-
Ujansi (Bolivia)	Unknown (None) Post-Miocene	.....
Ujun-Holdongi (China-E)	Synonym of Wudalianchi	1005-03-
Ujuxte, Cerrito de (Guatemala)	Lava cone of Redondo, Cerro	.....
Uka (Kamchatka)	Shield volcano (None) Holocene?	**1000-61-**
Uk'eledi (Alaska-E)	Synonym of Wrangell	1105-02-
Ukho (Kamchatka)	Cinder cone of Yavinsky	1000-021
Ukinrek Maars (Alaska Peninsula)	Maars (2, 1977) Historical	**1102-131**
Uksichan (Kamchatka)	Shield volcano (None) Holocene?	**1000-35-**
Uku-jima (Kyushu-Japan)	Stratovolcano of Ojika-jima	.....
'Ukwatain (Arabia-W)	Cone of Yar, Jabal	0301-08-
Ulag-Arginskii [Ulug-Arginsky] (Russia-SE)	Cinder cone of Azas Plateau	1002-07-
Ulag-Arginsky [Ulug-Arginsky] (Russia-SE)	Cinder cone of Azas Plateau	1002-07-
Ulakaia Hill (Alaska-W)	Cone of St. George	.....
Ulaula, Puu (Hawaiian Is)	Cone of Kilauea	1302-01-
Ulaula, Puu (Hawaiian Is)	Cone of Mauna Loa	1302-02=
Ulawon (New Britain-SW Pac)	Synonym of Ulawun	0502-12=
Ulawun (New Britain-SW Pac)	Stratovolcano (33, 2007) Historical	**0502-12=**
Ule'eg (Vanuatu-SW Pacific)	Stratovolcano of Suretamatai	0507-01=
Uliaegan (Aleutian Is)	Synonym of Uliaga	1101-25-
Uliaga (Aleutian Is)	Synonym of Carlisle	1101-23-
Uliaga (Aleutian Is)	Stratovolcano (None) Holocene	**1101-25-**
Ullung-do (Korea)	Synonym of Ulreung	1006-03-
Ulmener (Germany)	Maar of West Eifel Volc Field	0100-01-
Ulo [Paraso] (Solomon Is-SW Pacific)	Thermal feature of Nonda	.....
Ulreung (Korea)	Stratovolcano (3, -2990) Radiocarbon	**1006-03-**
Ulreung-do (Korea)	Synonym of Ulreung	1006-03-
Ulreuno-do (Korea)	Synonym of Ulreung	1006-03-
Ultimo Puesto (Chile-C)	Cone of Antillanca Group	1507-153
Ulu Majur, Bukit (Sumatra)	Cone of Punggur, Bukit	.....
Ulu Palik, Bukit (Sumatra)	Unknown (None) Post-Miocene	.....
Ulug-Arga (Russia-SE)	Cone of Azas Plateau	1002-07-
Ulug-Arginsky (Russia-SE)	Cinder cone of Azas Plateau	1002-07-
Ulug-Art-Tayga (Russia-SE)	Cone of Azas Plateau	1002-07-
Uluinggalau (Fiji Is-SW Pacific)	Cone of Taveuni	0405-01-
Ululu, Mount (New Britain-SW Pac)	Cone of Sulu Range	0502-09=
Ulumam (New Guinea-NE of)	Cone of Karkar	0501-03=
Uluman, Mt (New Guinea-NE of)	Synonym of Karkar	0501-03=
Ulumbu (Lesser Sunda Is)	Thermal feature of Poco Leok	0604-07=
Ulu-Nino (Sumatra)	Cone of Mesurai-Ulu Nino	.....
Uluwun (New Britain-SW Pac)	Synonym of Ulawun	0502-12=
Ulvaney (Kamchatka)	Shield volcano (None) Pleistocene	.....
Ulyaborskiy [Khara-Boldok] (Russia-SE)	Cone of Tunkin Depression	1002-05-
Um El Garanigh (Africa-N)	Shield volcano of Haruj	0205-007
Umani (Africa-E)	Cone of Chyulu Hills	0202-13=
Umbaba (Ethiopia)	Synonym of As-Ali	.....
Umboi (New Guinea-NE of)	Complex volcano (None) Holocene	**0501-06=**
Umboi, Lake (New Britain-SW Pac)	Crater of Du Faure	.....
Umcen (Umcina) (New Guinea-W)	Synonym of Umsini	0609-01=
Umi-jigoku (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Umm ad Dulu, Jabal (Arabia-W)	Maar of Kishb, Harrat	0301-071
Umm Arafieb, Jebel (Africa-N)	Shield volcano (None) Holocene?	**0205-07-**
Umm Khandag, Jebel (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Umm Qureinat (Africa-N)	Cone of Bayuda Volc Field	0205-06-

Lee Siebert (Smithsonian)

Ubehebe craters are an isolated group of maar volcanoes erupted through non-volcanic sediments of Death Valley National Park in California. The contact between pre-eruption sedimentary rocks and overlying black ash deposits can be seen at the upper part of the western wall of the 800-m-wide, 235-m-deep Ubehebe crater.

Umm Ruqubah, Jabal (Arabia-W)	Dome of Rahat, Harrat	0301-07=
Ummuna (Ethiopia)	Synonym of Ale Bagu	0201-09=
Umsini (New Guinea-W)	(None) Not a Volcano	0609-01=
Una Una (Sulawesi-Indonesia)	Synonym of Colo [Una Una]	0606-01=
Unabetsu (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Unabetu (Hokkaido-Japan)	Synonym of Unabetsu	.....
Unagi (Kyushu-Japan)	Maar of Ibusuki Volc Field	0802-07=
Unalavquen (Chile-C)	Synonym of Callaqui	1507-091
Unamuncho (Ecuador)	Cone of Sagoatoa	.....
Unana (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Unda Hararo (Ethiopia)	Shield volcano of Manda Hararo	0201-115
Undaga Island (New Britain-SW Pac)	Cone of Mundua	0502-021

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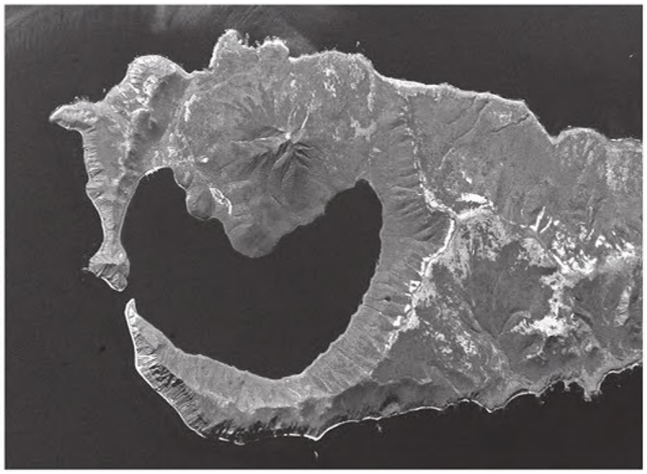
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Undaka Island [Undaga Island] (New Britain)	Cone of Mundua	0502-021
Undara (Australia)	Shield volcano McBride Volc Province	
Unea (New Britain-SW Pac)	Caldera (None) Quaternary	
Ungaran (Java)	Stratovolcano (None) Holocene	0603-23=
Ungin, Mt. (Vanuatu-SW Pacific)	Cone of Melkum, Mt	
Ungulungwak Hill (Alaska-W)	Shield volcano of Ingrichuak Hills	
Union Peak (US-Oregon)	Cone of Crater Lake	1202-16-
Unnamed (Admiralty Is-SW Pacific)	Submarine volc (1, 1972) Hydrophonic	0500-03-
Unnamed (Africa-C)	Fissure vents (None) Post-Miocene	
Unnamed (Africa-E)	Pyroclastic cone (None) Holocene	0202-162
Unnamed (Alaska Peninsula)	Lava dome (None) Holocene	1102-132
Unnamed (Aleutian Is)	(None) Not a Volcano	1101-17-
Unnamed (Antarctica)	Submarine volcano (None) Holocene?	1900-016
Unnamed (Antarctica)	Unknown (None) Quaternary	
Unnamed (Antarctica)	Scoria cones (None) Holocene?	1900-014



NASA Space Shuttle image ISS005-E-6514

A narrow gap in the NNE rim of 7.5-km-wide Pleistocene Brouton caldera on **Urataman** volcano allows access of the sea into Brouton Bay. The caldera floor lies 250 m beneath the sea surface, and the rim rises 450 m above it. A central cone, andesitic Urataman volcano, has grown to a height of 678 m during the Holocene in the SE part of the caldera.

Unnamed (Antarctica)	(None) Not a Volcano	1900-051
Unnamed (Arabia)	Cones (None) Post-Miocene	
Unnamed (Arabia)	Cones (None) Post-Miocene	
Unnamed (Arabia-S)	Submarine volcano (None) Uncertain	0301-15-
Unnamed (Arctic Ocean)	Submarine volcano? (Uncertain)	1707-01-
Unnamed (Arctic Ocean)	Submarine volcano (Uncertain) Holocene	1707-02-
Unnamed (Argentina)	Pyroclastic cone (None) Holocene?	1505-161
Unnamed (Argentina)	Volcanic field (None) Pleistocene	
Unnamed (Armenia)	Volcanic field (None) Pleistocene	
Unnamed (Armenia)	Volcanic field (None) Pleistocene	
Unnamed (Armenia)	Volcanic field (None) Pleistocene	
Unnamed (Armenia)	Volcanic field (None) Pleistocene	
Unnamed (Atlantic-C)	Submarine volcano (Uncertain)	1805-03=
Unnamed (Atlantic-C)	Submarine volcano (Uncertain)	1805-02=
Unnamed (Atlantic-C)	Submarine volcano (Uncertain)	1805-04=
Unnamed (Atlantic-C)	Submarine volcano? (Uncertain)	1805-01=
Unnamed (Atlantic-N)	(None) Not a Volcano	1801-01=
Unnamed (Atlantic-N)	Submarine volcano (1, 1884) Historical	1801-02=
Unnamed (Atlantic-N)	Submarine volcano (Uncertain)	1801-03=
Unnamed (Atlantic-N)	Submarine volcano (1, 1865) Historical	1801-04=
Unnamed (Chile-Is)	Submarine volcano (Uncertain)	1506-04=
Unnamed (China-E)	Unknown (None) Quaternary	
Unnamed (China-E)	Unknown (None) Quaternary	
Unnamed (China-E)	Cones (None) Pleistocene	
Unnamed (China-E)	Unknown (None) Quaternary	
Unnamed (China-E)	Cinder cones (None) Pleistocene	
Unnamed (China-E)	Unknown (None) Quaternary	
Unnamed (China-E)	Volcanic field (None) Post-Miocene	
Unnamed (China-E)	Volcanic field (None) Quaternary	
Unnamed (China-E)	Shield volcanoes (None) Post-Miocene	
Unnamed (China-E)	Volcanic field (None) Post-Miocene	
Unnamed (China-E)	Cinder cones (None) Post-Miocene	
Unnamed (China-W)	Unknown (None) Post-Miocene	
Unnamed (China-W)	Unknown (None) Post-Miocene	
Unnamed (China-W)	Unknown (None) Quaternary	
Unnamed (China-W)	Volcanic field (None) Post-Miocene	
Unnamed (China-W)	Volcanic field (None) Uncertain	1004-04-
Unnamed (Colombia)	Volcanic field (None) Quaternary	
Unnamed (Czech)	Volcanic field (None) Pleistocene	
Unnamed (El Salvador)	Volcanic field (None) Pleistocene	
Unnamed (Ethiopia)	Fissure vents (None) Holocene	0201-251
Unnamed (Ethiopia)	Pyroclastic cones (None) Holocene	0201-201
Unnamed (Ethiopia)	Cinder cones (None) Holocene	0201-311
Unnamed (Ethiopia)	Fissure vents (None) Holocene	0201-221
Unnamed (Georgia)	Shield volcano (None) Pleistocene	
Unnamed (Georgia)	Lava cones (None) Holocene	0104-05-
Unnamed (Georgia)	Cinder cones (None) Holocene	0104-04-

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Unnamed (Hawaiian Is)	Submarine volcano? (Uncertain)	1302-08-
Unnamed (Hawaiian Is)	Submarine volcano (1, 1955) Historical	1302-09-
Unnamed (Hungary)	Volcanic field (None) Post-Miocene	
Unnamed (Indian O.-E)	Submarine volcano? (Uncertain)	0305-01=
Unnamed (Iran)	Unknown (None) Quaternary	
Unnamed (Iran)	Volcanic field (None) Holocene	0302-00-
Unnamed (Iran)	Unknown (None) Post-Miocene	
Unnamed (Iran)	Volcanic field (None) Holocene?	0302-04-
Unnamed (Iran)	Unknown (None) Quaternary	
Unnamed (Iran)	Unknown (None) Quaternary	
Unnamed (Iran)	Unknown (None) Quaternary	
Unnamed (Israel)	Cone (None) Post-Miocene	
Unnamed (Israel)	Cone (None) Post-Miocene	
Unnamed (Jordan)	Volcanic field (None) Post-Miocene	
Unnamed (Jordan)	Volcanic field (None) Post-Miocene	
Unnamed (Jordan)	Volcanic field (None) Post-Miocene	
Unnamed (Jordan)	Volcanic field (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcanoes (None) Pleistocene	
Unnamed (Kamchatka)	Stratovolcano (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcanoes (None) Holocene	1000-085
Unnamed (Kamchatka)	Lava domes (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcano (None) Quaternary	
Unnamed (Kamchatka)	Shield volcano (None) Pleistocene	
Unnamed (Kamchatka)	Lava domes (None) Pleistocene	
Unnamed (Kamchatka)	Lava domes (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcanoes (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcano (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcano (None) Holocene?	1000-43-
Unnamed (Kamchatka)	Stratovolcanoes (None) Pleistocene	
Unnamed (Kamchatka)	Cinder cones (None) Pleistocene	
Unnamed (Kamchatka)	Cinder cone (None) Holocene	1000-081
Unnamed (Kamchatka)	Shield volcano (None) Pleistocene	
Unnamed (Kamchatka)	Lava domes (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcanoes (None) Holocene	1000-086
Unnamed (Kamchatka)	Shield volcano (None) Pleistocene	
Unnamed (Kamchatka)	Shield volcano (None) Pleistocene	
Unnamed (Kamchatka)	Cinder cones (None) Holocene?	1000-232
Unnamed (Kuril Is)	Submarine volcano (Uncertain)	0900-061
Unnamed (Kuril Is)	Submarine volc (1, 1972) Hydrophonic	0900-16-
Unnamed (Kuril Is)	Submarine volcano (1, 1924) Historical	0900-23=
Unnamed (Kuril Is)	Submarine volcano? (Uncertain)	0900-13-
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Lesser Sunda Is)	Unknown (None) Post-Miocene	
Unnamed (Luzon-N of)	Submarine volcano (3, 1854) Historical	0704-05=
Unnamed (Mariana Is-C Pacific)	Submarine volcano? (Uncertain)	0804-138
Unnamed (Mariana Is-C Pacific)	Submarine volcano? (Uncertain)	0804-139
Unnamed (Mongolia)	Volcanic field (None) Pleistocene	
Unnamed (Mongolia)	Volcanic field (None) Pleistocene	
Unnamed (Mongolia)	Volcanic field (None) Pleistocene	
Unnamed (Mongolia)	Cones (None) Pleistocene	
Unnamed (Mongolia)	Cone (None) Pleistocene	
Unnamed (Mexico)	Submarine volcano? (Uncertain)	1401-008
Unnamed (New Britain-SW Pac)	Submarine volcano? (Uncertain)	0502-001
Unnamed (New Britain-SW Pac)	Submarine volcano? (Uncertain)	0502-131
Unnamed (New Guinea-NE of)	Submarine volcano? (Uncertain)	0501-04=
Unnamed (Pacific-E)	Submarine volcano (17, 2006) Historical	1304-05-
Unnamed (Pacific-E)	Submarine volcano (1, 1969) Historical	1304-10-
Unnamed (Pacific-E)	Submarine volcano (1, 2003) Historical	1304-04-
Unnamed (Pacific-NE)	Submarine volcano? (Uncertain)	1301-05-
Unnamed (Pacific-S)	Submarine volcano (Uncertain)	1305-03-
Unnamed (Pacific-S)	Submarine volcano (Uncertain)	1305-02-
Unnamed (Romania)	Volcanic field (None) Pleistocene	
Unnamed (Russia-NE)	Fissure vents (None) Quaternary	
Unnamed (Russia-NE)	Explosion craters (None) Quaternary	
Unnamed (Russia-NE)	Unknown (None) Pleistocene	
Unnamed (Russia-NE)	Explosion craters (None) Quaternary	
Unnamed (Russia-NE)	Unknown (None) Pleistocene	
Unnamed (Russia-NE)	Unknown (None) Pleistocene	
Unnamed (Russia-NE)	Unknown (None) Quaternary	
Unnamed (Russia-NE)	Explosion craters (None) Quaternary	
Unnamed (Russia-NE)	Unknown (None) Quaternary	
Unnamed (Russia-NE)	Unknown (None) Quaternary	
Unnamed (Russia-SE)	Fissure vent (None) Quaternary	
Unnamed (Russia-SW)	Volcanic field (None) Pleistocene	
Unnamed (SE Asia)	Cone (None) Pleistocene	
Unnamed (SE Asia)	Cone (None) Pleistocene	
Unnamed (SW Pacific)	Submarine volc (1, 1964) Hydrophonic	0508-03-
Unnamed (Sangihe Is-Indonesia)	Submarine volcano? (Uncertain)	0607-05=
Unnamed (Solomon Is-SW Pacific)	Submarine volcanoes (None) Holocene	0505-061
Unnamed (Syria)	Cones (None) Pleistocene	
Unnamed (Syria)	Volcanic field (1, -2670) Radiocarbon	0300-04-
Unnamed (Syria)	Cones (None) Pleistocene	
Unnamed (Syria)	Volcanic field (1, 1222) Historical	0300-02-
Unnamed (Syria)	Cones (None) Pleistocene	
Unnamed (Syria)	Cone (None) Quaternary	
Unnamed (Syria)	Cones (None) Pleistocene	
Unnamed (Syria)	Cone (None) Pleistocene	
Unnamed (Taiwan-E of)	Submarine volcano? (Uncertain)	0801-01=
Unnamed (Taiwan-E of)	Submarine volcano? (Uncertain)	0801-011
Unnamed (Taiwan-E of)	Submarine volcano (Uncertain)	0801-02=

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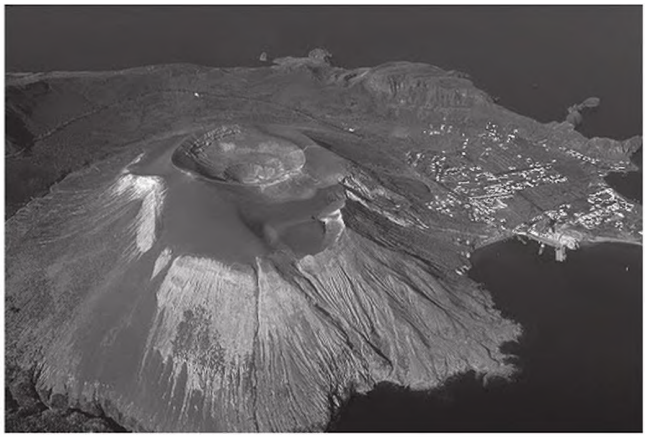
Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Vasset, Puy (France)	Dome of Chaîne des Puys	0100-02-
Vateliero (Italy)	Crater of Ischia	0101-03=
Vatia (Samoa-SW Pacific)	Dome of Tutuila	0404-02-
Vatnafjoll (Iceland-S)	Fissure vent of Hekla	1702-07=
Vatnaoldur (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Vatnsheidi (Iceland-SW)	Shield volcano of Reykjanes	1701-02=
Vatr (New Britain-SW Pac)	Synonym of Ulawun	0502-12=
Vatulasawa (Fiji Is-SW Pacific)	Cone of Waikama	. . . . .
Vavalaci (Italy)	Pleistocene caldera of Etna	0101-06=
Vaxin, Cerro (Mexico)	Cinder cone of San Martin	1401-11=
Ve'a (Samoa-SW Pacific)	Cone of Savai'i	0404-04=
Vecchia, La (Italy)	Pleistocene caldera of Pantelleria	0101-071
Vecchienna, Lago (Italy)	Crater of Larderello	0101-001
Vedurhalshraun (Iceland-S)	Fissure vent of Katla	1702-03=
Veer (Kamchatka)	Cinder cones (1, 390) Tephrochronology	**1000-121**



Katia and Maurice Krafft

The word volcano derives its name from **Vulcano** in Italy's Aeolian Islands. The Fossa cone, seen here, has been active throughout the Holocene, and has been the source of most of the historical eruptions of Vulcano.

Vega de Castellanos (Spain)	Maar of Calatrava Volc Field	0100-04-
Vega de la Caña, Cerro la (El Salvador)	Cinder cone of San Diego	1403-001
Vega, Cerrito la (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Vega, Cerro los (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Veggjabunga (Iceland-NE)	Shield volcano of Askja	1703-06=
Veidivotn (Iceland-NE)	Crater Row of Bardarbunga	1703-03=
Veitskopf (Germany)	Cone of East Eifel Volc Field	. . . . .
Velain (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Velha, Caldeira (Azores)	Thermal feature of Agua de Pau	1802-09=
Velie Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Velky Bucon (Slovakia)	Vent of Filakovo-Salgotarjan	. . . . .
Velky Roudny (Czech)	Cone of Unnamed	. . . . .
Vella Lavella Sulfur Field [Paraso] (Solomons)	Thermal feature of Nonda	. . . . .
Velluda, Sierra (Chile-C)	Stratovolcano of Antuco	1507-08=
Venada, Loma la (Mexico)	Cinder cone of Camargo Volc Field	. . . . .
Venados, Cerro los (Mexico)	Cone of Camargo Volc Field	. . . . .
Venados, Los (Chile-C)	Fissure vent of Carrán-Los Venados	1507-14=
Venere, Monte (Italy)	Stratovolcano of Vico-Cimino Complex	. . . . .
Veniaminof (Alaska Peninsula)	Stratovolcano (21, 2008) Historical	**1102-07-**
Vent Mountain (Alaska Peninsula)	Cone of Aniakchak	1102-09-
Ventana, Cerro (Chile-S/Argentina)	Vent of Crater Basalt Volc Field	1508-025
Ventanillas (Ecuador)	Dome of Chachimbiro	1502-002
Ventanita (El Salvador)	Pit crater of Apastepeque Field	1403-071
Ventarrón, El (Nicaragua)	Caldera of Masaya	1404-10=
Ventisqueros, Cerro de los (Chile-S)	Synonym of Hudson, Cerro	1508-057
Ventotene (Italy)	Stratovolcanoes (None) Pleistocene	. . . . .
Ventura Volc Field (Mexico)	Maars (None) Pleistocene	. . . . .
Venture Hydrothermal Fields (Pacific-E)	Thermal feature of Unnamed	1304-05-
Venus (Indian O.-S)	Cone of Amsterdam Island	0304-001
Venusina Sopka (Czech)	Cone of Unnamed	. . . . .
Venustiano Carranza (Mexico)	Dome of Mispia	. . . . .
Vepe (Italy)	Pleistocene caldera of Vulsini	0101-003
Verbeek, Kawah (Sumatra)	Crater of Marapi	0601-14=
Verde, Cabeco (Azores)	Cone of Fayal	1802-01=
Verde, Cerro (US-New Mexico)	Shield volcano of Lucero	. . . . .
Verde, Cerro (El Salvador)	Cinder cone of Santa Ana	1403-02=
Verde, Cerro (El Salvador)	Cone of Taburete	1403-072
Verde, Cerro (Mexico)	Cinder cone of Ventura Volc Field	. . . . .
Verde, Laguna (El Salvador)	Stratovolcano of Apaneca Range	1403-01=
Verde, Laguna (Chile-N)	Stratovolcano (None) Pleistocene	. . . . .
Verde, Volcán Laguna (Chile-C)	Cone of Tolguaca	1507-093
Verdeloma (Ecuador)	Stratovolcano of Sangay	1502-09=
Verdugo, Volcán el (Mexico)	Maar of Pinacate	1401-001
Verdugo, Volcán el [Macdougal] (Mexico)	Maar of Pinacate	1401-001
Verkhne-Ingamakitsky (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
Verkhne-Koshelevskie (Kamchatka)	Thermal feature of Koshelev	1000-02=
Verkhneye (Kamchatka)	Thermal feature of Mutnovsky	1000-06=
Verkhneye Thermal Field (Kamchatka)	Thermal feature of Bolshoi Semiachik	1000-15=
Verkhovoy (Kamchatka)	Shield volcano (None) Holocene?	**1000-44-**
Vermelho, Pico (Azores)	Cone of Agua de Pau	1802-09=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Vermillion Chasm (US-Idaho)	Fissure vent of Craters of the Moon	1204-02-
Vernadskii Crater (Kuril Is)	Cone of Vernadskii Ridge	0900-37-
Vernadskii Ridge (Kuril Is)	Cinder cones (None) Holocene	**0900-37-**
Vernadskiy (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Vernon Harcourt, Mt. [Mt. Harcourt] (Antarctica)	Stratovolcano of Hallett Peninsula	. . . . .
Verrieres, Puy de [Puy Thiolet] (France)	Cone of Chaîne des Puys	0100-02-
Vershinnyi Barun-Khobol (Russia-SE)	Cinder cone of Dgida Basin	. . . . .
Vershinsky (Kamchatka)	Stratovolcano (None) Pleistocene	. . . . .
Vert, Morne (W Indies)	Dome of Plat Pays, Morne	1600-11=
Vesbius (Italy)	Synonym of Vesuvius	0101-02=
Veslessa (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Vestasti Urdarhalsgigur (Iceland-NE)	Crater Row of Kverkfjoll	1703-05=
Vestisnuten (Atlantic-N-Jan Mayen)	Cone of Jan Mayen	1706-01=
Vestmannaeyjar (Iceland-S)	Submarine volcs. (10, 1973) Historical	**1702-01=**
Vesubio, Cerro de (Nicaragua)	Cinder cone of Esteli	1404-131
Vesuve (Vesuvio) (Italy)	Synonym of Vesuvius	0101-02=
Vesuvius (Italy)	Somma volcano (54, 1944) Historical	**0101-02=**
Veteran (SE Asia)	Submarine volc. (Uncertain) Fumarolic	**0705-07-**
Vetlam (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Vetmwan (Vanuatu-SW Pacific)	Cone of Motlav	0507-001
Vetore, Monte (Italy)	Cinder cone of Etna	0101-06=
Vetrovoi Isthmus Caldera (Kuril Is)	Caldera (None) Pleistocene	. . . . .
Vetrovoy (Kamchatka)	Shield volcano of Yanpat	. . . . .
Vetta, La [Monte Amiata] (Italy)	Dome of Amiata	. . . . .
Veyer (Kamchatka)	Synonym of Veer	1000-121
Veyo Volcano (US-Utah)	Cone of Santa Clara	1207-01-
Vezzi, Monte di (Italy)	Dome of Ischia	0101-03=
Viai (New Guinea-NE of)	Stratovolcano (None) Quaternary	. . . . .
Viatoa (Samoa-SW Pacific)	Cone of Upolu	0404-03-
Viboras, Montaña las (El Salvador)	Cinder cone of San Salvador	1403-05=
Viboras, Volcán las (Guatemala)	Shield volcano of Chingo	1402-17-
Vica, Montaña la (Canary Is)	Cone of Tenerife	1803-03-
Vichatel, Puy de (France)	Cone of Chaîne des Puys	0100-02-
Vico (Italy)	Caldera of Vico-Cimino Complex	. . . . .
Vico, Monte (Italy)	Dome of Ischia	0101-03=
Vico-Cimino Complex (Italy)	Stratovolcanoes (None) Pleistocene	. . . . .
Victoria Volc Field (Australia)	Synonym of Newer Volcanics Prov	0509-01-
Victoria, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
Victoriaberg (Africa-W)	Synonym of Cameroon	0204-01=
Victory (New Guinea)	Stratovolcano (1, 1935) Historical	**0503-03=**
Vicuñas, Domo las (Chile-N)	Dome of Tres Cruces	. . . . .
Vidal, Cerrito de los (Guatemala)	Lava cone of Chiquimula Volc Field	1402-20-
Vidaurre, Volcán (Chile-C)	Cone of Chillán, Nevados de	1507-07=
Vidrios, Volcán los (Mexico)	Maar of Pinacate	1401-001
Viedma (Argentina)	Subglacial volcano (1, 1988) Historical	**1508-061**
Viejo Cayambe (Ecuador)	Stratovolcano of Cayambe	1502-006
Viejo, El (Colombia)	Crater of Galeras	1501-08=
Viejo, El (Nicaragua)	Synonym of San Cristobal	1404-02=
Viejo, El (Mexico)	Stratovolcano of Tres Virgenes	1401-01=
Viejo, Pico (Canary Is)	Stratovolcano of Tenerife	1803-03-
Viejo, Volcán (Chile-C)	Stratovolcano of Chillán, Nevados de	1507-07=
Viejona, Auscles la [Volcancito] (El Salvador)	Thermal feature of Chinameca	1403-09=
Viento, Montana del (Canary Is)	Cone of Gran Canaria	1803-04-
Viesokaia (Alaska-SW)	Synonym of Redoubt	1103-03-
Vietlam [Vetlam] (Vanuatu-SW Pacific)	Cone of Ambrym	0507-04=
Vigia, Cerro (Mexico)	Cinder cone of San Martin	1401-11=
Vigia, El (Honduras)	Cone of Tigre Isla el	1403-13-
Vigia, Pico de (Atlantic-C)	Dome of Trindade	1805-051
Vigie, Morne la (Hispaniola)	Scoria cone (None) Pleistocene	. . . . .
Vigie, Morne la [Morne la Vue] (W Indies)	Dome of Plat Pays, Morne	1600-11=
Vigla Tepe (Turkey)	Dome of Acigol-Nevsehir	0103-004
Vigna Vecchia (Italy)	Cone of Stromboli	0101-04=
Vigueria, La (Chile-S)	Cone of Cayutué-La Viguería	1508-012
Vikahraun (Iceland-NE)	Fissure vent of Askja	1703-06=
Vikraborgir (Iceland-NE)	Crater of Askja	1703-06=
Vilacollo (Chile-N)	Cinder cones (None) Pleistocene	. . . . .
Vilfilfellshraun (Iceland-SW)	Crater Row of Brennisteinsfjoll	1701-04=
Viliuchinskaya (Kamchatka)	Synonym of Vilyuchik	1000-083
Viliuchinsky (Kamchatka)	Synonym of Vilyuchik	1000-083
Villa Rica (Chile-C)	Synonym of Villarrica	1507-12=
Villa Santo Stefano (Italy)	Pyroclastic cone of Ernici, Monti	. . . . .
Villalobos, Cerro (Mexico)	Cinder cone of Moctezuma Volc Field	. . . . .
Villarrica (Chile-C)	Stratovolcano (84, 2010) Historical	**1507-12=**
Villars, Maar de (France)	Maar of Chaîne des Puys	0100-02-
Villele, Cratere de (Indian O.-W)	Crater of Fournaise, Piton de la	0303-02=
Vilyams, Mount (Kuril Is)	Cone of Smirnov	0900-021
Vilyuchik (Kamchatka)	Stratovolcano (1, -8050) Tephrochron	**1000-083**
Vilyuchinskaya (Kamchatka)	Synonym of Vilyuchik	1000-083
Vina, La (Canary Is)	Cinder cone of Hierro	1803-02-
Viñas, Cerrito las (Guatemala)	Cinder cone of Cuilapa-Barbarena	1402-111
Vindication Island (Antarctica)	Cone of Candlemas Island	1900-10=
Vindicatory Island [Vindication Island]	Cone of Candlemas Island	1900-10=
Vine (Kamchatka)	Synonym of Ilyinsky	1000-03=
Vini [Nu'utele] (Samoa-SW Pacific)	Tuff ring of Upolu	0404-03-
Vinkh-Linkh (SE Asia)	Cone (None) Pleistocene	. . . . .
Viola, La (Mexico)	Cone of Humeros, Los	1401-093
Virgen, Cono de la (Ecuador)	Pyroclastic cone of Cayambe	1502-006
Virgen, La (Mexico)	Stratovolcano of Tres Virgenes	1401-01=
Virgen, Montaña de la (Canary Is)	Cinder cone of Hierro	1803-02-
Virgenes, Volcan las (Mexico)	Synonym of Tres Virgenes	1401-01=
Visiones, Cerro las (El Salvador)	Stratovolcano of Tablas, Cerro las	. . . . .
Visokaya (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Visoke (Africa-C)	Stratovolcano (2, 1957) Historical	**0203-05-**
Visokiy (Kamchatka)	Stratovolcano (None) Holocene	**1000-059**

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Waita-yama (Kyushu-Japan)	Cone of Kuju	0802-12=
Waitomokia (New Zealand)	Maar of Auckland Field	0401-02=
Waiwhakapa [Ridge Dome] (New Zealand)	Dome of Okataina	0401-05=
Wajang-windu (Java)	Synonym of Wayang-Windu	0603-08=
Wakak Group (Afghanistan)	Synonym of Vakak Group	0302-07-
Wakala Hill (D'Entrecasteaux Is)	Cone of Goodenough	0503-041
Wakamiko (Kyushu-Japan)	Pleistocene caldera of Sakura-jima	0802-08=
Wake Butte (US-Oregon)	Cinder cone of Bachelor	1202-09-
Wakiong (Halmahera-Indonesia)	Synonym of Makian	0608-07=
Wakka (Lesser Sunda Is)	Synonym of Iliboleng	0604-22=
Wakoto-Oyakotu (Hokkaido-Japan)	Dome of Kutcharo	0805-08=
Walang (Java)	Synonym of Wayang-Windu	0603-08=
Waldau (Africa-W)	Crater of Cameroon	0204-01=
Waldsdorfer (Germany)	Maar of West Eifel Volc Field	0100-01-
Walelang (Sulawesi-Indonesia)	Crater of Sempu	0606-04=
Walkout Creek (Canada)	Cone of Edziza	1200-06-
Wallenaure [Tompaluan] (Indonesia)	Crater of Lokon-Empung	0606-10=
Wallis Islands (SW Pacific)	Shield volcanoes (None) Holocene	**0404-05-**
Walo (New Britain-SW Pac)	Thermal feature of Sulu Range	0502-09=
Walrus Island (Alaska-W)	Unknown (None) Pleistocene	.....
Walter Penk, Cerro (Argentina)	Synonym of Tipas	1505-22-
Wambu Island [Vanbu Island] (New Britain)	Cone of Mundua	0502-021
Wanawana, Puu (Hawaiian Is)	Cone of Kauai	.....
Wangi, Gunung (Java)	Dome of Penanggungan	0603-291
Wangkong (Java)	Dome of Muria	0603-251
Wangore (New Britain-SW Pac)	Synonym of Bola	0502-05=
Wantianfeng (China-E)	Shield volcano (None) Post-Miocene	.....
Wapi Lava Field (US-Idaho)	Shield volcano (1, -300) Radiocarbon	**1204-03-**
Wara, Wai (Lesser Sunda Is)	Thermal feature of Poco Leok	0604-07=
Waramung Plantation (New Ireland)	Thermal feature of Ambitle	0504-02=
Wargess (Africa-E)	Tuff cone of Barrier, The	0202-03=
Warirang (Java)	Crater of Galunggung	0603-14=
Warm River Butte (US-Wyoming)	Dome of Yellowstone	1205-01-
Warm Springs Dome (US-New Mexico)	Dome of Valles Caldera	.....
Warrenhelp, Mt (Australia)	Cone of Newer Volcanics Prov	0509-01-
Warrnambool, Mt (Australia)	Tuff ring of Newer Volcanics Prov	0509-01-
Wartgesberg (Germany)	Cone of West Eifel Volc Field	0100-01-
Warudani-yama (Honshu-Japan)	Stratovolcano of Yake-dake	0803-07=
Washiba-ike (Honshu-Japan)	Crater of Washiba-Kumonotaira	0803-071
Washiba-Kumonotaira (Japan)	Shield volcanoes (None) Holocene	**0803-071**
Washibetsu (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	.....
Washigamine (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Washiga-take (Honshu-Japan)	Cone of Eboshi-Washigatake	.....
Washington (US-Oregon)	Shield volcano (None) Pleistocene	.....
Washington, Mt. (Fiji Is-SW Pacific)	Dome of Nabukelevu	0405-03-
Washinoko-yama (Honshu-Japan)	Dome of Aono-yama	.....
Washio-dake (Kyushu-Japan)	Dome of Ibusuki Volc Field	0802-07=
Washungwe (Africa-C)	Cone of Nyiragongo	0203-03=
Wasiba-Kumonotaira (Honshu-Japan)	Synonym of Washiba-Kumonotaira	0803-071

W.C. Mendenhall (USGS)

USGS geologist W. C. Mendenhall viewed smoke and vapor columns and ash-covered snow during a 1902 expedition in the Mount **Wrangell** area in east-central Alaska. The photograph shows a steam (and ash?) column rising above the summit crater, and ash darkens the snow over a wide area of the upper southern slopes of the volcano.

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Wassiljew [Laoheishan] (China-E)	Cone of Wudalianchi	1005-03-
Wasurezuno-yama (Honshu-Japan)	Synonym of Zao	0803-19=
Wataluma Hill (D'Entrecasteaux Is)	Cone of Goodenough	0503-041
Watangan, Gunung (Java)	Cone of Tengger Caldera	0603-31=
Watchman, The (US-Idaho)	Cone of Craters of the Moon	1204-02-
Waterhouse, Mt (Pacific-S)	Cone of Antipodes Island	1305-01-
Watom (New Britain-SW Pac)	Stratovolcano (None) Post-Miocene	.....
Watom Island (New Britain-SW Pac)	Cone of Rabaul	0502-14=
Watt Mountain (W Indies)	Synonym of Watt, Morne	1600-101
Watt, Morne (W Indies)	Stratovolcanoes (5, 1997) Historical	**1600-101**
Watts Point (Canada)	Cone of Squamish	.....
Watu, Gunung (Java)	Cone of Sundoro	0603-21=
Watusumbul (Java)	Dome of Dieng Volc Complex	0603-20=
Wau-en-Namus (Africa-N)	Caldera (None) Holocene?	**0205-008**
Waw an Namous (Africa-N)	Synonym of Wau-en-Namus	0205-008
Wawolika, Wolo (Lesser Sunda Is)	Crater of Inielika	0604-09=
Wayang-Windu (Java)	Lava dome (None) Fumarolic	**0603-08=**
Wazin Taung (SE Asia)	Cone of Lower Chindwin	0705-09-
Weambi (Africa-W)	Cone of Cameroon	0204-01=
Weatherboard Hill (Australia)	Cone of Newer Volcanics Prov	0509-01-
Weaver, Mt. (Antarctica)	Synonym of Unnamed	.....
Webb, Mt. (Australia)	Cone of Piebald Volc Province	.....
Webber Nunatak (Antarctica)	Cone of Hudson Mountains	1900-028
Wedon, Gunung (Java)	Cone of Arjuno-Welirang	0603-29=
Wehe (Africa-E)	Cone of Katete	.....
Wehr (Germany)	Crater of East Eifel Volc Field	.....
Wei-Chou-Tao (SE Asia)	Synonym of Weizhoudao	.....
Weinfelder (Germany)	Maar of West Eifel Volc Field	0100-01-
Weishan (China-E)	Cone of Wudalianchi	1005-03-
Weizhoudao (SE Asia)	Shield volcano (None) Pleistocene?	.....
Wejer (Kamchatka)	Synonym of Veer	1000-121
Wekui, Puu (Hawaiian Is)	Cone of Mauna Kea	1302-03-
Welcker (New Britain-SW Pac)	Stratovolcano of Garbuna Group	0502-07=
Welirang (Java)	Stratovolcano of Arjuno-Welirang	0603-29=
Welirang, Kawah (Java)	Crater of Karang	0603-02=
Well Bay Hot Spring (W Indies)	Thermal feature of Saba	1600-01=
Welleys Island (Antarctica)	Synonym of Hodson	1900-11=
Wellington, Mt. (New Zealand)	Cone of Auckland Field	0401-02=
Wells Gray-Clearwater (Canada)	Cinder cones (2, 1550) Dendrochron	**1200-15-**
Weng-Chuan [Wengjuan] (China-E)	Cone of Longgang Group	1005-05-
Wengjuan (China-E)	Cone of Longgang Group	1005-05-
Wenjaminow (Alaska Peninsula)	Synonym of Veniaminof	1102-07-
Wenman (Galapagos)	Shield volcano (None) Pleistocene	.....
Wensaoro (Vanuatu-SW Pacific)	Crater of Suretamatai	0507-01=
Werimba, Mt. (Australia)	Cone of Atherton Volc Province	.....
Wesley Rock (Tonga-SW Pacific)	Synonym of Metis Shoal	0403-07=
Wesselow (Aleutian Is)	Synonym of Makushin	1101-31-
West Butte (US-California)	Dome of Sutter Buttes	.....
West Cabrit (W Indies)	Dome of Diables, Morne aux	1600-08=
West Crater (US-Washington)	Crater of Rainier	1201-03-
West Crater (US-Washington)	Volcanic field (2, -5750) Radiocarbon	**1201-08-**
West Crater (New Zealand)	Crater of White Island	0401-04=
West Crater (Alaska-E)	Crater of Wrangell	1105-02-
West Crater [Crater Lake] (New Zealand)	Crater of Ruapehu	0401-10=
West Dome (Alaska Peninsula)	Dome of Aniakchak	1102-09-
West Dome [Pa Hill] (New Zealand)	Dome of Whale Island	.....
West Eifel Volc Field (Germany)	Maars (2, -8300) Radiocarbon	**0100-01-**
West Hill (Alaska-W)	Cone of St. Michael	1104-04-
West Losolava (Vanuatu-SW Pacific)	Cone of Gaua	0507-02=
West Maar (Alaska Peninsula)	Maar of Ukinrek Maars	1102-131
West Mata (Tonga-SW Pacific)	Submarine volcano (1, 2009) Historical	**0403-13-**
West Maui (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
West Molokai (Hawaiian Is)	Shield volcano (None) Pleistocene	.....
West Pinhead (US-Oregon)	Shield volcano of Clallie Butte	.....
West Prospect Peak (US-California)	Shield volcano of Lassen Volc Center	1203-08-
West Sakukan (Russia-SE)	Cinder cone of Udokan Plateau	1002-03-
West Thumb (US-Wyoming)	Pleistocene caldera of Yellowstone	1205-01-
West Trident (Alaska Peninsula)	Stratovolcano of Trident	1102-16-
West Twin Crater (US-Oregon)	Maar of Diamond Craters	1202-17-
West Umboi Island (New Guinea-NE of)	Synonym of Umboi	0501-06=
West Vent (Canada)	Shield volcano of Tuya Volc Field	1200-031
Westdahl (Aleutian Is)	Stratovolcano? (7, 1992) Historical	**1101-34-**
Western Crater (Antarctica)	Crater of Erebus	1900-02=
Western Dome (New Zealand)	Dome of Okataina	0401-05=
Western Victoria Volc Field (Australia)	Synonym of Newer Volcanics Prov	0509-01-
West-Matthew (SW Pacific)	Cone of Matthew Island	0508-01=
Wests Butte (US-Oregon)	Cinder cone of Wilson	.....
Wetalth Ridge (Canada)	Cone of Spectrum Range	1200-07-
Whakaari (New Zealand)	Synonym of White Island	0401-04=
Whakamaru (New Zealand)	Pleistocene caldera of Maroa	0401-061
Whakapaka (New Zealand)	Cone of Ruapehu	0401-10=
Whakapapataringa (New Zealand)	Dome of Maroa	0401-061
Whakapoungakau (New Zealand)	Dome of Okataina	0401-05=
Whakarewarewa (New Zealand)	Thermal feature of Rotorua	.....
Whale Bay (New Zealand)	Cone of Karioi	.....
Whale Island (New Zealand)	Complex volc (None) Pleist-Fumarolic	.....
Whaleback (US-California)	Shield volcano (None) Pleistocene	.....
Whangarei (New Zealand)	Cinder cones (None) Holocene?	**0401-011**
Wharauroa (New Zealand)	Cone of Karioi	.....
Wharauroa (New Zealand)	Cone of Pirongia	.....
Whataipu (New Zealand)	Cone of Karioi	.....
Whatitiri (New Zealand)	Shield volcano of Whangarei	0401-011
Wheat Mountain (US-New Mexico)	Cone of Taylor Volc Field	.....
Wheeler, Mt. (Australia)	Cone of McBride Volc Province	.....
White Chuck (US-Washington)	Cinder cone of Glacier Peak	1201-02-
White Creek (Canada)	Cinder cone of Satah Mountain	1200-13-
White Island (Antarctica)	Shield volcanoes (None) Pleistocene	.....
White Island (New Zealand)	Stratovolcanoes (32, 2001) Historical	**0401-04=**
White Mountain (US-Utah)	Dome of Black Rock Desert	1207-05-
White Mountain (Africa-E)	Synonym of Kilimanjaro	0202-15=
White Mountain Hot Springs [Mammoth H.S.]	Thermal feature of Yellowstone	1205-01-
White River (Alaska-E)	Synonym of Churchill	1105-03-
White Rock (Luzon-Philippines)	Dome of Arayat	0703-084
Whitefish Lake (Alaska-W)	Maar of Espenberg	.....
Whitehorse Bluffs (Canada)	Cone of Wells Gray-Clearwater	1200-15-
Whitford's Solfatara (Vanuatu-SW Pacific)	Thermal feature of Suretamatai	0507-01=
Whitmore Hot Springs (US-California)	Thermal feature of Long Valley	.....
Whitney Butte (US-California)	Cone of Medicine Lake	1203-02-
Whiton, Mt. (Galapagos)	Synonym of Wolf	1503-02=

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Yanaurcu de Pinan (Ecuador)	Stratovolcano (None) Pleistocene	
Yang (Java)	Synonym of Iyang-Argapura	0603-33=
Yangudi (Ethiopia)	Complex volcano (None) Holocene	**0201-151**
Yankee Volcano (US-New Mexico)	Cone of Raton-Clayton	
Yankicha (Kuril Is)	Synonym of Ushishur	0900-21=
Yanpat (Kamchatka)	Shield volcanoes (None) Pleistocene	
Yanshan (China-E)	Cinder cone of Arshan	1005-011
Yantales (Chile-S)	Synonym of Yanteles	1508-050
Yantarni (Alaska Peninsula)	Stratovolcano (1, -800) Tephrochron	**1102-10-**
Yanteles (Chile-S)	Stratovolcanoes (2, -6650) Radiocarbon	**1508-050**
Yao-Chuan-shan [Yaoquanshan] (China-E)	Cone of Wudalianchi	1005-03-
Yaoquanshan (China-E)	Cone of Wudalianchi	1005-03-
Ya-pa-Kang [Yabagang] (China-E)	Cone of Longgang Group	1005-05-
Yapoah Crater (US-Oregon)	Cinder cone of North Sister Field	1202-07-
Yaponcha (US-Arizona)	Crater of Sunset Crater	1209-02-

Lee Siebert (Smithsonian)

An eruption of Old Faithful, perhaps the world's best known geyser, rises above **Yellowstone's** Upper Geyser Basin in Wyoming. Old Faithful is a periodic geyser, with eruptions to heights of about 40 m at intervals of 30 to 100 minutes.

Yar, Jabal (Arabia-W)	Volcanic field (1, 1810) Historical	**0301-08-**
Yarangalu (Ecuador)	Dome of Chacana	1502-022
Yasour (Yasowa) (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Yasukajigamori (Izu Is-Japan)	Dome of Mikura-jima	0804-041
Yasur (Vanuatu-SW Pacific)	Stratovolcano (4, 2010) Historical	**0507-10=**
Yatake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Yatakijo-zan (Honshu-Japan)	Dome of Oetaka-yama	
Yate (Chile-S)	Stratovolcano (None) Holocene	**1508-022**
Yatsuga-take (Honshu-Japan)	Stratovolcanoes (None) Pleistocene	
Yatuga-take (Honshu-Japan)	Synonym of Yatsuga-take	
Yautepemes, Los (Mexico)	Dome of Iztaccihuatl	1401-082
Yavinsky (Kamchatka)	Stratovolcano (1, -4050) Tephrochron	**1000-021**
Yawushan (SE Asia)	Cone of Tengchong	0705-11-
Yayantique, Cerro (El Salvador)	Volcanic field (None) Pleistocene	
Yedo Peak (Canada)	Cone of Spectrum Range	1200-07-
Yegua, La (Argentina)	Cinder cone of Unnamed	
Yeguada, La (Panamá)	Stratovolcano (None) Pleist -Fumarolic	
Yeguas, Las [San Pedro] (Chile-C)	Stratovolcano of San Pedro-Pellado	1507-062
Yelia (New Guinea)	Stratovolcano (None) Holocene?	**0503-002**
Yellow Cone (Hawaiian Is)	Cone of Kilauea	1302-01-
Yellowstone (US-Wyoming)	Calderas (4, -1350) Tephrochronology	**1205-01-**
Yellowstone Plateau (US-Wyoming)	Synonym of Yellowstone	1205-01-
Yenkahe (Vanuatu-SW Pacific)	Caldera of Yasur	0507-10=
Yenkahe Main Cone (Vanuatu-SW Pacific)	Stratovolcano of Yasur	0507-10=
Yen-Pei-shan [Xiaogushan] (China-E)	Cone of Wudalianchi	1005-03-
Yepocapa (Guatemala)	Stratovolcano of Acatenango	1402-08=
Yerakh, Jabal (Arabia-S)	Cone of Dhamar, Harras of	0301-12-
Yerbabuena, Cerro la (Mexico)	Cinder cone of Comondú-La Purísima	1401-012
Yerovi, Isla (Ecuador)	Dome of Cuicocha	1502-003
Yersey (Lesser Sunda Is)	Submarine volcano? (None) Uncertain	**0604-28=**
Yezh (Kamchatka)	Dome of Bolshoi Semiachik	1000-15=
Yi Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Yiali (Greece)	Synonym of Yali	0102-051
Yichuan (China-E)	Volcanic field (None) Quaternary	
Yijiashan (China-E)	Cone (None) Post-Miocene	
Yilanli Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Yilanli Dagi (Turkey)	Cone of Hasan Dagi	0103-002
Yilanobrugu (Turkey)	Crater of Karapinar Field	0103-001
Yilband Dag (Turkey)	Dome of Erciyes Dagi	0103-01=
Yilbat (Turkey)	Cone of Erciyes Dagi	0103-01=
Yingbeishan [Xiaogushan] (China-E)	Cone of Wudalianchi	1005-03-
Yingfengling (SE Asia)	Stratovolcano of Leizhou Bandao	0705-01-
Yiongxing (SE Asia)	Pyroclastic cone of Hainan Dao	0705-001
Yirrigue (Africa-N)	Pleistocene caldera of Tousside, Tarso	0205-01=
Yitong Group (China-E)	Lava domes (None) Quaternary	
Yi-Yerra (Africa-N)	Thermal feature of Koussi, Emi	0205-021
Yjakushatsch (Alaska-SW)	Synonym of Redoubt	1103-03-
Yodono-san (Honshu-Japan)	Dome of Gassan	
Yoichizaka (Honshu-Japan)	Vent of Izu-Tobu	0803-01=

Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Yojoa, Lake (Honduras)	Volcanic field (None) Holocene	**1403-15-**
Yojualtajapan, Volcan (Mexico)	Stratovolcano of San Martin Pajapan	
Yokoate-jima (Ryukyu Is)	Stratovolcanoes (1, 1835) Historical	**0802-021**
Yokoate-sho (Ryukyu Is)	Submarine vent of Yokoate-jima	0802-021
Yoko-dake (Honshu-Japan)	Dome of Kita Yatsuga-take	0803-031
Yoko-dake (Ryukyu Is)	Stratovolcano of Kuchino-shima	0802-043
Yokokura-yama (Honshu-Japan)	Stratovolcano of Zao	0803-19=
Yokote (Honshu-Japan)	Scoria cones (None) Pleistocene	
Yokote-yama (Honshu-Japan)	Shield volcano of Shiga	0803-121
Yokotsu (Hokkaido-Japan)	Stratovolcano (None) Pleistocene	
Yokotu (Hokkaido-Japan)	Synonym of Yokotsu	
Yolotepec (Mexico)	Dome of Cumbres, Las	1401-098
Yolye, Volcan (Chile-C)	Cinder cone of Carran-Los Venados	1507-14=
Yomba (New Guinea-NE of)	Submarine volcano? (None) Uncertain	**0501-041**
Yomine-yama (Kyushu-Japan)	Stratovolcano of Aso	0802-11=
Yonekubo (Kyushu-Japan)	Crater of Kuju	0802-12=
Yonemaru (Kyushu-Japan)	Maar of Sumiyoshi-ike	0802-081
Yongbocuo (China-W)	Shield volcano of Unnamed	1004-04-
Yongmeori (Korea)	Tuff ring of Halla	1006-04-
Yoran, Mt. (US-Oregon)	Shield volcano of Diamond Peak	
Yoridai-zawa (Izu Is-Japan)	Crater of Miyake-jima	0804-04=
York (Galapagos)	Synonym of Santiago	1503-09=
Yoro-yama (Honshu-Japan)	Synonym of Fuji	0803-03=
Yosua (Yosur) (Vanuatu-SW Pacific)	Synonym of Yasur	0507-10=
Yotei (Hokkaido-Japan)	Stratovolcano (2, -1050) Tephrochron	**0805-032**
Yotsuga-take (Honshu-Japan)	Dome of Norikura	0803-06=
Yotuga-take [Yotsuga-take] (Honshu-Japan)	Dome of Norikura	0803-06=
Youkou (Africa-W)	Crater of Ngaoundere Plateau	0204-04-
Young Island (Antarctica)	Stratovolcano (None) Fumarolic	**1900-011**
Youtlkut Butte (US-Oregon)	Cone of Newberry	1202-11-
Yoyolica, Volcan (Mexico)	Cinder cone of Chichinautzin	1401-08=
Yrtri Raudamelskula (Iceland-W)	Cone of Ljosufjoll	1700-03=
Yuba-no-Tonbu (Izu Is-Japan)	Crater of Aoga-shima	0804-06=
Yubatake Hot Springs (Honshu-Japan)	Thermal feature of Kusatsu-Shirane	0803-12=
Yubileinoye (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Yubi-yama (Kyushu-Japan)	Dome of Kuju	0802-12=
Yucamane (Perú)	Stratovolcanoes (6, 1902) Historical	**1504-05-**
Yucamani (Perú)	Synonym of Yucamane	1504-05-
Yueya Shan (China-W)	Cinder cone of Kunlun Volc Group	1004-03-
Yufu-dake (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Yufuin (Kyushu-Japan)	Thermal feature of Tsurumi	0802-13=
Yu-gama (Honshu-Japan)	Crater of Kusatsu-Shirane	0803-12=
Yuga-mine (Honshu-Japan)	Lava dome (None) Pleistocene	
Yugaoka (Honshu-Japan)	Vent of Izu-Tobu	0803-01=
Yugawara (Honshu-Japan)	Stratovolcano (None) Pleistocene	
Yuhu-dake [Yufu-dake] (Kyushu-Japan)	Dome of Tsurumi	0802-13=
Yujiadashan (SE Asia)	Cone of Tengchong	0705-11-
Yumboloma (Ecuador)	Cone of Calpi	
Yumi-ike (Honshu-Japan)	Maar of Kusatsu-Shirane	0803-12=
Yumi-Itsuka (Honshu-Japan)	Cone of Fuji	0803-03=
Yumori-yama (Honshu-Japan)	Cone of Nyuto-Takakura	
Yumoto-Shiobara (Honshu-Japan)	Fissure vent of Takahara	0803-143
Yumurtadag (Turkey)	Cone of Nemrut Dagi	0103-02=
Yumurtatepe (Turkey)	Cone of Nemrut Dagi	0103-02=
Yunaska (Aleutian Is)	Shield volcano (3, 1937) Historical	**1101-21-**
Yunohira (Kyushu-Japan)	Dome of Sakura-jima	0802-08=
Yunomaru-yama (Honshu-Japan)	Stratovolcano of Eboshi	
Yunotani (Kyushu-Japan)	Dome of Aso	0802-11=
Yunotani (Kyushu-Japan)	Thermal feature of Aso	0802-11=
Yunotani-dake (Kyushu-Japan)	Stratovolcano of Kirishima	0802-09=
Yunque, El (Chile-Is)	Stratovolcano of Robinson Crusoe	1506-02=
Yunuma (Hokkaido-Japan)	Crater of Tokachi	0805-05=
Yupiltepeque, Cerro de (Guatemala)	Cinder cone of Chingo	1402-17-
Yupiter (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Yurdawa (Russia-SE)	Shield volcano of Azas Plateau	1002-07-
Yurievsky (Kamchatka)	Cone of Dzenzursky	1000-11=
Yurro Hondo, Laguna de [Laguna Rio Cuarto]	Maar of Poas	1405-04=
Yushny (Kamchatka)	Cone of Maly Semiachik	1000-14=
Yutian (China-W)	Synonym of Kunlun Volc Group	1004-03-
Yuyiehu (China-W)	Cone of Unnamed	1004-04-
Yuzawa-yama (Kyushu-Japan)	Dome of Kuju	0802-12=
Yuzhny (Kamchatka)	Vent of Krasheninnikov	1000-19=
Yuzhny [Yushny] (Kamchatka)	Cone of Maly Semiachik	1000-14=
Yuzhny Cherpuk (Kamchatka)	Cone of Cherpuk Group	1000-273
Yuzhny Gamchen (Kamchatka)	Stratovolcano of Gamchen	1000-21=
Yves Rocard (Society Is-C Pacific)	Synonym of Rocard	1303-02-
Ywatha (SE Asia)	Vent of Lower Chindwin	0705-09-
Yztactepetl (Mexico)	Synonym of Iztaccihuatl	1401-082

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Zabytaya, Mt. (Kamchatka)	Lava cone of Kliuchevskoi	1000-26=
Zabytyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Zacapu, Volcanes de (Mexico)	Cone of Michoacan-Guanajuato	1401-06=
Zacarias, Cerro (Guatemala)	Cone of Ipala	1402-19-
Zacate Grande, Isla (Honduras)	Stratovolcano (None) Holocene	**1403-14-**
Zacatillo, Isla (El Salvador)	Cinder cones (None) Pleistocene	
Zakura Misaka (Honshu-Japan)	Stratovolcano of Towada	0803-271
Zametny (Kamchatka)	Cinder cone of Krasheninnikov	1000-19=
Zamok (Kamchatka)	Dome of Ksudach	1000-05=
Zanetti, Mount (Alaska-E)	Cinder cone of Wrangell	1105-02-
Zannone (Italy)	Cone of Pontine Islands	
Zao (Honshu-Japan)	Complex volcano (43, 1940) Historical	**0803-19=**

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Name (Subregion)	Type (Eruptions, Most Recent) Status Relation to Named Volcano	Volcano Number
Zao Spa (Honshu-Japan)	Thermal feature of Zao	0803-19=
Zao-numa [Okama] (Honshu-Japan)	Crater of Zao	0803-19=
Zaozerny (Kamchatka)	Shield volcanoes (None) Holocene?	1000-48-
Zapadnaya Khodutka (Kamchatka)	Stratovolcano Vostochnaya Khodutka	.....
Zapadny (Kamchatka)	Cone of Kikhpinych	1000-18=
Zapadny Barany (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Zapaleri, Cerro (Chile-N)	Stratovolcano (None) Pleistocene?	.....
Zapatera (Nicaragua)	Shield volcano (None) Holocene	**1404-111**
Zapatera, Laguna de (Nicaragua)	Maar of Zapatera	1404-111
Zapetón (Zapatero) (Nicaragua)	Synonym of Zapatera	1404-111
Zapotitlán (Guatemala)	Synonym of Atitlan	1402-06=
Zapovedny (Kamchatka)	Synonym of Komarov	1000-22=
Zapovedny [Severny Gamchen] (Kamchatka)	Stratovolcano of Gamchen	1000-21=
Zapretny (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Zara (Italy)	Dome of Ischia	0101-03=
Zardolou Group (Afghanistan)	Lava domes (None) Quaternary	.....
Zarechny (Kamchatka)	Somma volcano (None) Pleistocene	.....
Zarzona, Cerro de (Guatemala)	Lava cone of Ipala	1402-19-
Zasipannie (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Zatoplennyi (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Zavaritsky (Kamchatka)	Fissure vent of Kliuchevskoi	1000-26=
Zavaritsky (Kamchatka)	Cinder cones (2, -800) Radiocarbon	**1000-124**
Zavaritzki Caldera (Kuril Is)	Caldera (2, 1957) Historical	**0900-18=**
Zavodovski (Antarctica)	Stratovolcano (1, 1819) Historical	**1900-13=**
Zawadowski (Antarctica)	Synonym of Zavodovski	1900-13=
Zazen-yama (Honshu-Japan)	Dome of Nikko-Shirane	0803-14=
Zbev-Bunanya (Kamchatka)	Shield volcano of Uksichan	1000-35-
Zealandia Bank (Mariana Is-C Pacific)	Stratovolcano (None) Fumarolic	**0804-151**
Zebayir, Jebel (Red Sea)	Synonym of Zubair, Jebel	0201-02=
Zebib, Jabal (Arabia-S)	Tuff cone of Arhab, Harra of	0301-09-
Zein Umm Araysh, Jebel (Africa-N)	Cone of Bayuda Volc Field	0205-06-
Zelezna Hurka (Czech)	Cinder cone of Cheb Basin	.....
Zempoala (Mexico)	Stratovolcano of Chichinautzin	1401-08=
Zengyu (Taiwan-N of)	Submarine volcano (Uncertain)	**0801-05=**
Zenigame (Hokkaido-Japan)	Synonym of Zenikame	.....
Zenikame (Hokkaido-Japan)	Submarine volcano (None) Pleistocene	.....
Zentralny Semiachik (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Zenzur (Kamchatka)	Synonym of Dzenzursky	1000-11=
Zephyria (Greece)	Thermal feature of Milos	0102-03=
Zeuctepetl (Mexico)	Synonym of Orizaba, Pico de	1401-10=
Zeutongei (Kamchatka)	Synonym of Leutongey	1000-53-
Zhanjiang (SE Asia)	Cone of Leizhou Bandao	0705-01-
Zheltaya (Kamchatka)	Dome of Uzon	1000-17=
Zheltaya (Kamchatka)	Synonym of Zheltiy	.....
Zheltaya Sopka (Kamchatka)	Cone of Kikhpinych	1000-18=
Zheltiy (Kamchatka)	Stratovolcano (None) Pleistocene	.....
Zheltovskaia, Sopka (Kamchatka)	Synonym of Zheltovsky	1000-04=
Zheltovsky (Kamchatka)	Stratovolcano (4, 1923) Historical	**1000-04=**
Zheltyi (Kamchatka)	Stratovolcano of Asacha	1000-058
Zhupanovskaia, Sopka (Kamchatka)	Synonym of Zhupanovsky	1000-12=
Zhupanovskiye Vostriyaky (Kamchat.)	Stratovolcano (None) Pleistocene	.....
Zhupanovsky (Kamchatka)	Compound volcano (12, 1959) Historical	**1000-12=**
Zhuzishan (Taiwan)	Dome of Tatun Group	0801-032
Zigoku [Jigoku] (Honshu-Japan)	Crater of On-take	0803-04=
Zigoku [Jigoku] (Honshu-Japan)	Thermal feature of Osore-yama	0803-29=
Zigoku [Trezubetz] (Kuril Is)	Somma volcano of Kolokol Group	0900-12=
Zigoku-no-oana [Jigoku-no-oana] (Japan)	Crater of Haku-san	0803-05=
Zikwala (Ethiopia)	Stratovolcano (None) Pleistocene	.....
Zimina (Kamchatka)	Stratovolcanoes (None) Holocene	**1000-242**
Zin, Jabal (Arabia-S)	Stratovolcano of Arhab, Harra of	0301-09-
Zinaka-yama [Jinaka-yama] (Izu Is-Japan)	Dome of Nii-jima	0804-02=
Zini (Greece)	Dome of Kos	.....
Zitacuaro, Hoyo de (Mexico)	Crater of Zitacuaro-Valle de Bravo	1401-061
Zitacuaro-Valle de Bravo (Mexico)	Caldera (1, -3050) Ar/Ar	**1401-061**
Zizo-dake [Jizo-dake] (Honshu-Japan)	Dome of Akagi	0803-13=
Zmeya (Kamchatka)	Crater of Kostakan	1000-122
Zoceyuca, Cerro (Mexico)	Cinder cone of Chichinautzin	1401-08=
Zoe (Indian O.-W)	Cinder cone of Fournaise, Piton de la	0303-02=
Zoo-dake (Honshu-Japan)	Synonym of Zao	0803-19=
Zoomie (Aleutian Is)	Synonym of Okmok	1101-29-
Zorro (Argentina)	Pyrocl. cone Northern Mendoza Field	.....
Zoutpan (Africa-S)	Pyroclastic cone (None) Post-Miocene	.....
Zoyazal, Volcan (Mexico)	Cone of Chichinautzin	1401-08=
Zubair, Jebel (Red Sea)	Shield volcano (1, 1824) Historical	**0201-02=**
Zubchatka (Kamchatka)	Stratovolcano of Bolshoi Semiachik	1000-15=
Zugar (Red Sea)	Synonym of Zukur	0201-021
Zukur (Red Sea)	Shield volcano (None) Holocene	**0201-021**
Zuni Salt Lake (US-New Mexico)	Maar of Red Hill	.....
Zuni-Bandera (US-New Mexico)	Volcanic field (2, -1170) Anthropology	**1210-02-**
Zunil (Guatemala)	Dome of Santo Tomas	.....
Zunil Geothermal Field (Guatemala)	Thermal feature of Almolonga	1402-04=
Zuquala (Ethiopia)	Synonym of Zikwala	.....
Zurn Peak (Antarctica)	Cone of Toney Mountain	1900-026
Zurqui (Costa Rica)	Stratovolcano of Barva	1405-05=
Zuwayr, Jabal (Arabia-W)	Vent of Kishb, Harrat	0301-071
Zvezda (Kamchatka)	Cinder cone of Tolbachik	1000-24=
Zwavelberg (Lesser Sunda Is)	Synonym of Lewotolo	0604-23=
Zyaisa (Honshu-Japan)	Synonym of Jaishi	.....
Zyanoo [Janoo] (Kyushu-Japan)	Cone of Aso	0802-11=
Zyogoro-yama [Jogo-yama] (Izu Is-Japan)	Dome of Kozu-shima	0804-03=

Anonymous photographer (Wikimedia)

Lake-filled Okama crater at **Zao** volcano, the most active in northern Honshu, Japan, has been the source of many phreatic eruptions during historical time. White mud deposited on the lake floor is periodically disturbed by gas emission, changing the color of the lake water.

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References

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Abbreviations Used in Citations

Abs	Abstract
Acad	Academy
Akad	Akademiia
Amer	America, American
Ann	Annual
Arch	Archaeology
Ariz	Arizona
Assoc	Association
Astron	Astronomy, Astronomical
Aust	Australia
Auth	Authority
Bol	Boletin
Boll	Bolletino
Brit	Britain, British
Bull	Bulletin
Bur	Bureau
Calif	California
Can	Canada, Canadian
Chpt	Chapter
Circ	Circular
Comm	Commision
Conf	Conference
Cong	Congress
Contr	Contribution(s)
Dept	Department, Departmento
Deut	Deutsche
Devel	Development
Div	Division
Earthq	Earthquake
Econ	Economic
Ed(s)	Editor(s)
Envir	Environmental
Excur	Excursion
Expl	Exploration
Fac	Faculty
Geochem	Geochemical, Geochemistry
Geodynam	Geodynamics
Geog	Geography, Geographic, Geograficos
Geol	Geology, Geologic, Geological, Geologique, Geologische, Geologie, Geologia, Geologico
Geophys	Geophysics, Geophysical, Geophysique, Geofisica
Geosurv	Geosurvey
Geotherm	Geothermal
Ges	Gesellschaft
His	History, Historical
IAVCEI	International Association of Volcanology and Chemistry of the Earth's Interior
Ind	Industry, Industrial
Info	Information
Inst	Institute, Institution
Internac	Internacional
Internatl	International
Invest	Investigation
Is	Islands
IUGG	International Union of Geodesy and Geophysics
IUGS	International Union of Geological Sciences
Jahrb	Jahrbuch
Jour	Journal
Lett	Letter(s)
MA	Master of Arts
Mag	Magazine
Mech	Mechanical
Mem	Memoir, Memorie
Min	Mines
Mineral	Mineral, Mineralogist, Mineralogical, Mineralogy, Mineria
MSci	Master of Science
Mtg	Meeting
N	North, Northern
Nac	Nacional
Nat	Natural
Natl	National
New Zeal	New Zealand
Newsl	Newsletter
No	Number
NOAA	National Oceanic and Atmospheric Administration
Observ	Observatory
Occ Pap	Occasional Paper
P	Page
Paleont	Paleontology
Pap	Paper
Petr	Petrology, Petrologist, Petrological
Petrol	Petroleum
PhD	Doctor of Philosophy
Phil	Philosophical
Phys	Physical, Physique
Planet	Planetary
Proc	Proceedings
Prof Pap	Professional Paper
Prog	Program
Proj	Project
Pub	Publication, Publishers
Quart	Quarterly
Rec	Record
Reg	Regional
Res	Research
Resour	Resource(s)
Rev	Review
Roy	Royal
Rpt	Report
S	South, Southern
Sci	Science, Scientific
Sec	Section
Seism	Seismological
Ser	Series
Serv	Service, Servicio
Sess	Session
Soc	Society, Sociedad, Societa
Spec	Special
Sta	Station
Suppl	Supplement
Surv	Survey
Symp	Symposium
Tech	Technology
Trans	Transactions
U S	United States
Univ	University, Universidad
Unpub	Unpublished
V	Volume
Volc	Volcanological, Volcanologie, Volcanology, Volcanism
Vulkanol	Vulkanologicheskikh
Wash	Washington
Zeit	Zeitschr

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