

Supplement to P.L. Ward, 2009, Sulfur dioxide initiates climate change in four ways, Thin Solid Films volume 517, number 11, doi:10.1016/j.tsf.2009.01.005

Table S1: Major volcanic eruptions and provinces. Entries in capital letters are plate motions. Green entries describe flood basalts. Yellow entries describe ice ages. Red entries describe the largest eruptions with VEI>=7 or erupted volume >=100 km³. VEI=Volcano Explosivity Index (Newhall and Self, 1982; Simkin and Siebert, 1994, p. 23). The volume of tephra erupted from volcanoes is typically 1-10 km³ for VEI=5, 10-100 km³ for VEI=6, and 100-1000 km³ for VEI=7. There are numerous tephra studies that have not been integrated into this table because it is difficult to know the distance and thus size of the corresponding eruptions.

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km ³ | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|--------------------------------------|--|--|-----|---------------------------|---------------------|---|
| 542,000,000 | 542,000,000 | 542,000,000 | EARLIEST CAMBRIAN | | BREAKUP OF PARANOTIA | | | | AVALONIA DRIFTED NORTH FROM GONDWANA, Wikipedia: Avalonia |
| 542,000,000 | 521,000,000 | 500,000,000 | EARLY-MIDDLE CAMBRIAN | | FINAL ASSEMBLY OF GONDWANA | | | | Wikipedia: Gondwana |
| | | | | | | | | | |
| 525,000,000 | 513,000,000 | 501,000,000 | Antrim Plateau Volcanics | Australia | Flood Basalts | | | | Hanley and Wingate (2000) |
| 508,000,000 | 506,500,000 | 505,000,000 | Kalkaringi continental flood basalt | Australia | Flood Basalts | | | | Glass and Phillips (2006) |
| | | | | | | | | | |
| 488,300,000 | 488,300,000 | 488,300,000 | EARLIEST ORDOVICIAN | | AVALONIA RIFT FROM GONDWANA | | | | Wikipedia: Pangaea |
| 473,000,000 | 467,000,000 | 461,000,000 | Unknown | Newfoundland | Arenig-Llanvirn granite | | | | Valverde-Vaquero et al. (2006) |
| 466,000,000 | 464,000,000 | 462,000,000 | Unknown | Argentina | K-bentonites | | | | Huff et al. (1997) |
| 460,000,000 | 460,000,000 | 460,000,000 | Begin minor Ice Age | | | | | | |
| 454,000,000 | 454,000,000 | 454,000,000 | Unknown | England | Millbrig-Big Bentonite | | 1,509 | | Huff et al. (1996) |
| 454,000,000 | 454,000,000 | 454,000,000 | Unknown | England | Kinneulle Bentonite | | 972 | | Huff et al. (1996) |
| 454,000,000 | 454,000,000 | 454,000,000 | Unknown | England | Deicke Bentonite | | 943 | | Huff et al. (1996) |
| 454,000,000 | 454,000,000 | 454,000,000 | Eycott Volcanic Group | England | | | | | Piper et al. (1997) |
| 453,500,000 | 451,850,000 | 450,200,000 | Borrowdale Volcanic Group | England | Little Stand and Crinkle Tuffs | | | | Millward and Evans (2003) |
| 452,000,000 | 451,500,000 | 451,000,000 | Unknown | Ontario | Russell Bed | | | | Sharma et al. (2005) |
| 461,000,000 | 444,500,000 | 428,000,000 | Unknown | Sweden/Norway/Scott | K-bentonites | | | | Batchelor (2003) |
| 443,700,000 | 443,700,000 | 443,700,000 | END ORDOVICIAN | | BALTICA HAD COLLIDED WITH LAURENTIA | | | | AVALONIA COLLIDED WITH BALTICA, Wikipedia: Pangaea |
| 430,000,000 | 430,000,000 | 430,000,000 | End minor Ice Age | | | | | | |
| 422,000,000 | 422,000,000 | 422,000,000 | LATE SILURIAN | | NORTH & SOUTH CHINA RIFTED FROM GONDWANA | | | | Wikipedia: Pangaea |
| 416,000,000 | 416,000,000 | 416,000,000 | LATE SILURIAN-LOWER DEVONIAN | | BALTICA AND AVALONIA COLLIDED WITH LAURENTIA | | | | Wikipedia: Avalonia |
| | | | | | | | | | |
| 377,000,000 | 363,500,000 | 350,000,000 | Viljuy Traps [They spelled it Viluy] | Between N & S Siberian Cratons | Flood Basalts | | | | Courtillot and Renne (2003), Cocks and Torsvik (2007) |
| 350,000,000 | 350,000,000 | 350,000,000 | Begin Karoo Ice Age | | | | | | |
| 260,000,000 | 260,000,000 | 260,000,000 | End Karoo Ice Age | | | | | | |
| 262,000,000 | 256,500,000 | 251,000,000 | Emeishan Traps | Southwestern China | Flood Basalts | | >1,000,000 | | Lo et al. (2002), Hea et al. (2007), Courtillot and Renne (2003) |
| 251,000,000 | 251,000,000 | 251,000,000 | PERMIAN/TRIASSIC BOUNDARY | | FINAL ASSEMBLY OF PANGAEA | | | | Wikipedia: Pangaea |
| 249,900,000 | 249,400,000 | 248,900,000 | Siberian Traps | Russia | Flood Basalts | | >3,000,000 | | Hooper (2000), Reichow (2002), Courtillot and Renne (2003) |
| | | | | | | | | | |
| 230,000,000 | 230,000,000 | 230,000,000 | Wrangelia | Pacific | Oceanic Plateau | | | | Hooper (2000) |
| | | | | | | | | | |
| 200,000,000 | 200,000,000 | 200,000,000 | Central Atlantic Magmatic Province | New Jersey, West Africa, Brazil, Spain | Flood basalts | | >2,000,000 | | Marzoli et al. (1999), Courtillot and Renne (2003) |
| 199,600,000 | 199,600,000 | 199,600,000 | EARLIEST JURASSIC | | RIFTING BETWEEN NORTH AMERICA AND AFRICA | | | | Rift from Tethys to Pacific forming Atlantic Wikipedia: Gondwana |
| | | | | | | | | | |
| 184,000,000 | 183,000,000 | 182,000,000 | Karoo-Ferrar | Africa/Antarctica | Flood Basalts | | >2,500,000 | | Hooper (2000), Courtillot and Renne (2003), Jourdan et al. (2005) |
| 188,000,000 | 183,000,000 | 178,000,000 | Chon Aike province | Patagonia/Antarctica | Silicic-dominated volcanic province | | 45,000 | | Bryan et al. (2002) |
| 180,000,000 | 180,000,000 | 180,000,000 | Begin moderate Ice Age | | | | | | |
| 167,000,000 | 167,000,000 | 167,000,000 | MIDDLE JURASSIC | | BEGIN BREAKUP OF GONDWANA | | | | Antarctica-Madagascar-India-Australia began to separate from Africa Wikipedia: Gondwana |
| 172,000,000 | 167,000,000 | 162,000,000 | Chon Aike province | Patagonia/Antarctica | Silicic-dominated volcanic province | | 130,000 | | Bryan et al. (2002) |
| 170,000,000 | 159,000,000 | 148,000,000 | Sierra Nevada, Talkeetna Mountains | California, Alaska | Large granitic batholiths | | | | Ward (1995) |
| 157,000,000 | 155,000,000 | 153,000,000 | Chon Aike province | Patagonia | Silicic-dominated volcanic province | | 55,000 | | Bryan et al. (2002) |
| 134,000,000 | 133,000,000 | 132,000,000 | Parana-Etendeka | South America/Africa | Flood Basalts | | 2,300,000 | | Hooper (2000), Courtillot and Renne (2003), Ernesto et al. (1999) |
| 130,000,000 | 130,000,000 | 130,000,000 | EARLY CRETACEOUS | | BEGIN OPENING OF SOUTH ATLANTIC OCEAN | | | | Wikipedia: Gondwana |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|-------------------------------------|------------------------|---|-----|---------------|---------------------|--|
| 110,000,000 | 110,000,000 | 110,000,000 | End moderate Ice Age | | | | | | |
| 144,000,000 | 121,300,000 | 98,600,000 | Minarets | California | Unnamed | | 500 | 30x22 | Fiske and Tobisch (1994) |
| 124,000,000 | 121,000,000 | 118,000,000 | Ontong-Java | Southwest Pacific | Oceanic Plateau | | >57,000,000 | | Hooper (2000), Sigurdsson (2000) |
| 120,000,000 | 120,000,000 | 120,000,000 | EARLY CRETACEOUS | | INDIA BEGAN NORTHWARD MOVEMENT | | | | Wikipedia: Gondwana |
| 116,000,000 | 116,000,000 | 116,000,000 | Rajmahal | India | Flood Basalt Affinites | | | | Hooper (2000) |
| 120,000,000 | 112,500,000 | 105,000,000 | Whitsunday Volcanic Province | Eastern Australia | Silicic-dominated volcanic province | | >100,000 | | Bryan et al. (2002) |
| 124,000,000 | 112,000,000 | 100,000,000 | Peak production ocean plateaus | | | | | | Larson (1991) |
| 114,000,000 | 112,000,000 | 110,000,000 | Kerguelan | Indian Ocean | Oceanic Plateau | | 10,000,000 | | Hooper (2000), Sigurdsson (2000) |
| 110,000,000 | 110,000,000 | 110,000,000 | END EARLY CRETACEOUS | | FIRST MARINE CONDITIONS IN THE SOUTH ATLANTIC | | | | Wikipedia: Gondwana |
| 120,000,000 | 110,000,000 | 100,000,000 | Peak production Pacific Ridges | | | | | | Larson (1991) |
| 120,000,000 | 105,000,000 | 90,000,000 | Peninsula Ranges, Sierra Nevada, Co | California to Alaska | Large granitic batholiths | | | | Ward (1995) |
| 91,000,000 | 89,500,000 | 88,000,000 | Madagascar | Madagascar | Flood Basalt Affinites | | | | Hooper (2000) |
| 90,000,000 | 88,000,000 | 86,000,000 | Caribbean-Colombian | Caribbean | Oceanic Plateau | | 4,000,000 | | Hooper (2000), Courtillot and Renne (2003) |
| 80,000,000 | 80,000,000 | 80,000,000 | LATE CRETACEOUS | | AUSTRALIA SEPARATE FROM ANTARCTICA | | | | Wikipedia: Gondwana |
| 73,000,000 | 73,000,000 | 73,000,000 | Unknown | Alberta | Dorothy Bentonite | | 83 | | Lerbekmo (2002), Pyle (2003) |
| 73,000,000 | 73,000,000 | 73,000,000 | Tucson Mountain | Arizona | Cat Mountain Tuff | | 500 | 25 | Lipman (2000) |
| 68,000,000 | 68,000,000 | 68,000,000 | Silver Bell | Arizona | Lithic Tuff | | 150 | 8 | Lipman (1984) |
| 65,500,000 | 65,500,000 | 65,500,000 | K-T BOUNDARY | | MADAGASCAR/SEYCHELLES BROKE FROM INDIA | | | | Wikipedia: Gondwana |
| 66,000,000 | 65,500,000 | 65,000,000 | Deccan | India/Seychelles | Flood Basalts | | 1,500,000 | | Hooper (2000), Courtillot and Renne (2003) |
| 62,000,000 | 60,500,000 | 59,000,000 | North Atlantic Igneous Province 1 | Greenland/NW Britain | Flood Basalts | | 2,000,000 | | Courtillot and Renne (2003) |
| 62,000,000 | 57,500,000 | 53,000,000 | North Atlantic Igneous Province | Greenland/Britain | Flood Basalt Affinites | | 6,600,000 | | Hooper (2000) |
| 57,300,000 | 56,350,000 | 55,400,000 | Bennett Lake Volcanic Complex | British Columbia/Yukon | | | 850 | 19x30 | Morris and Creaser (2003) |
| 55,800,000 | 55,800,000 | 55,800,000 | Silver Bell | Arizona | Mount Laird Tuff | | | 8 | Sawyer and Lipman (1983) |
| 57,000,000 | 55,000,000 | 54,000,000 | North Atlantic Igneous Province 2 | Greenland/Faroes | Flood basalts | | >2,000,000 | | Courtillot and Renne (2003) |
| 55,000,000 | 55,000,000 | 55,000,000 | EARLY EOCENE | | AUSTRALIA-NEW GUINEA SEPARATE | | | | Wikipedia: Gondwana |
| 54,180,000 | 54,040,000 | 53,900,000 | North Atlantic Igneous Province | Europe | Danish +19 basaltic ash | | 1200 | | Egger and Brückl (2006) |
| 54,000,000 | 54,000,000 | 54,000,000 | EARLY EOCENE | | OPENING OF THE NORTH ATLANTIC | | | | Torsvik et al. (2007) |
| 45,000,000 | 45,000,000 | 45,000,000 | MIDDLE EOCENE | | INDIA COLLIDED WITH ASIA | | | | Wikipedia: Gondwana |
| 46,000,000 | 46,000,000 | 46,000,000 | Van Horn Peak | Idaho | Ellis Creek Tuff | | | 34x48 | Moye et al. (1988) |
| 45,000,000 | 45,000,000 | 45,000,000 | Twin Peaks | Idaho | Challis Creek Tuff | | 500 | 20 | Hardyman (1981) |
| 45,000,000 | 45,000,000 | 45,000,000 | Begin modern Ice Age | | | | | | |
| 55,800,000 | 44,850,000 | 33,900,000 | Twin Peaks | Idaho | Ute Ridge Tuff | | | 20 | Hardyman (1981) |
| 55,800,000 | 44,850,000 | 33,900,000 | Bonanza | Colorado | Blue Creek Tuff | | | 12 | Varga and Smith (1984) |
| 39,000,000 | 39,000,000 | 39,000,000 | Thomas | Utah | Mount Laird Tuff | | 400 | 15x25 | Lipman (1984) |
| 38,000,000 | 37,500,000 | 37,000,000 | Infierito | Texas | Buckshot Tuff | | 70-100 | 12 | Lipman (1984) |
| 37,000,000 | 37,000,000 | 37,000,000 | Muir | New Mexico | Woodhaul Canyon | | 300 | 26x18 | Lipman (1984), Deal et al. (1978) |
| 36,900,000 | 36,820,000 | 36,740,000 | Davis Mountains | Texas | Flood rhyolites, rhyolite domes, Gomez Tuff | | 1250 | Fissures | Henry et al. (1994) |
| 36,560,000 | 36,510,000 | 36,460,000 | Davis Mountains | Texas | Adobe Canyon and Limpia Formations | | 210 | | Henry et al. (1994) |
| 36,460,000 | 36,330,000 | 36,200,000 | Davis Mountains | Texas | Paisano Volcano | | 150 | | Henry et al. (1994) |
| 36,800,000 | 36,200,000 | 35,600,000 | Davis Mountains | Texas | Mafic lavas | | 300 | | Henry et al. (1994) |
| 36,000,000 | 36,000,000 | 36,000,000 | Quitman | Texas | Square Peak Volcanics | | 300 | 15x10 | Lipman (1984) |
| 35,700,000 | 35,610,000 | 35,520,000 | Davis Mountains | Texas | Barrel Springs Formation and ash flow tuff | | 200 | | Henry et al. (1994) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) | |
|------------------------|---------------------|-----------------------|--|------------------|--|-----|---------------|---------------------|---|----------------------|
| 35,410,000 | 35,350,000 | 35,290,000 | Davis Mountains | Texas | tuffs of Wild Cherry, Lavas of Casket Mountain | | 210 | | Henry et al. (1994) | |
| 35,900,000 | 35,300,000 | 34,700,000 | Mt Princeton (eroded) | Colorado | Wall Mountain Tuff | | 1000+ | | Lipman and Calvert (2003), esp.cr.usgs.gov/info/kt/route_cracs.html | |
| 35,000,000 | 35,000,000 | 35,000,000 | Juniper | New Mexico | Oak Creek Tuff | | 500 | 25 | Erb (1979) | |
| 34,310,000 | 34,310,000 | 34,310,000 | Grizzly Peak | New Mexico | Grizzly Peak Rhyolite | | 100 | 12 | McIntosh and Chapin (2004) | |
| 33,810,000 | 33,810,000 | 33,810,000 | Mount Aetna | Colorado | Badger Creek Tuff | | 100 | 10 | McIntosh and Chapin (2004) | |
| 33,900,000 | 33,800,000 | 33,700,000 | MASSIVE AND SUDDEN DECREASE IN CALCIUM COMPENSATION DEPTH AND INCREASE IN GLACIATION | | | | | | | Coxall et al. (2005) |
| 33,700,000 | 33,700,000 | 33,700,000 | Marshall Creek | Colorado | Thorn Ranch Tuff | | 100+ | | Gregory and McIntosh (1996) | |
| 33,000,000 | 33,000,000 | 33,000,000 | Socorro | New Mexico | Hells Mesa Rhyolite | | 500 | 35x25 | Osburn and Chapin (1983) | |
| 33,000,000 | 33,000,000 | 33,000,000 | Emory | New Mexico | Kneeling Nun Tuff | | 1310 | 55x25 | Elston et al. (1975) | |
| 33,000,000 | 33,000,000 | 33,000,000 | Cowboy Rim | New Mexico | Gillespie Tuff | | 500 | 26x18 | Erb (1979) | |
| 32,500,000 | 32,500,000 | 32,500,000 | Bonanza | Colorado | Bonanza Tuff | | 100+ | 12 | Lipman and Calvert (2003) | |
| 33,000,000 | 32,500,000 | 32,000,000 | Chinati | Texas | Mitchel Mesa Rhyolite | | 1000 | 30x20 | Henry and Price (1984) | |
| 32,000,000 | 32,000,000 | 32,000,000 | Organ | New Mexico | Cueva Soledad Rhyolite | | 500 | 16 | Seager (1981) | |
| 31,900,000 | 31,900,000 | 31,900,000 | North Pass | Colorado | Tuff of Saguache Creek | | 200+ | | Lipman and Calvert (2003) | |
| 31,400,000 | 31,400,000 | 31,400,000 | William's Ridge | Central Nevada | Windous Butte Tuff | | 3,500 | | Best et al. (1993) | |
| 32,000,000 | 30,500,000 | 29,000,000 | Goodsight-Cedar (Bell Top Formation) | New Mexico | Bell Top Formation | | 295 | | Seager (1973) | |
| 30,000,000 | 30,000,000 | 30,000,000 | Platoro | Colorado | La Jara Canyon Tuff | | 592 | 18x22 | Lipman (1975) | |
| 29,500,000 | 29,500,000 | 29,500,000 | Indian Peak | Eastern Nevada | Wah Wah Springs Tuff | | 3,200+ | | Best et al. (1989) | |
| 29,500,000 | 29,500,000 | 29,500,000 | Platoro | Colorado | Black Mountain Tuff | | 500 | 12x18 | Lipman (1975), Lipman et al. (1996) | |
| 29,000,000 | 29,000,000 | 29,000,000 | Ute Creek | Colorado | Ute Ridge Tuff | | 500 | 8 | Steven and Lipman (1976) | |
| 29,000,000 | 29,000,000 | 29,000,000 | Unknown | Great Basin, USA | Lund Tuff | | 2,600 | | Maughan et al. (2002) | |
| 29,000,000 | 29,000,000 | 29,000,000 | Mount Hope | Colorado | Masonic Park Tuff | | 500 | 15 | Steven and Lipman (1976) | |
| 30,000,000 | 29,000,000 | 28,000,000 | Unknown | Ethiopia | Green Tuff + SAM | | 3,000 | | Ukstins_Peate et al. (2003) | |
| 28,500,000 | 28,500,000 | 28,500,000 | Summitville | Colorado | Ojito Creek/La Jadero Tuffs | | 100-500 | 12x8 | Lipman (1975), Lipman et al. (1996) | |
| 28,500,000 | 28,500,000 | 28,500,000 | San Juan | Colorado | | | 900 | 24x22 | Lipman et al. (1973) | |
| 29,000,000 | 28,500,000 | 28,000,000 | Bursum | New Mexico | Apache Springs Tuff | | 1200 | 40x30 | Ratté et al. (1984) | |
| 29,000,000 | 28,500,000 | 28,000,000 | Bursum | New Mexico | Bloodgood Canyon Tuff | | 1050 | 40x30 | Ratté et al. (1984) | |
| 31,000,000 | 28,500,000 | 26,000,000 | Ethiopia/Afar/Yemen | | Flood Basalt Affinities | | >350,000 | | Hooper (2000), Bryan et al. (2002) | |
| 28,300,000 | 28,300,000 | 28,300,000 | Ute Creek | Colorado | Ute Ridge Tuff | | 500 | | Steven and Lipman (1976) | |
| 28,300,000 | 28,300,000 | 28,300,000 | Central SJ (concealed) | Colorado | Masonic Park Tuff | | 500 | | Lipman et al. (1996), Lipman (2000) | |
| 28,200,000 | 28,200,000 | 28,200,000 | Platoro | Colorado | Chiquito Peak Tuff | | 1000 | | Lipman et al. (1996) | |
| 28,200,000 | 28,200,000 | 28,200,000 | Lost Lake | Colorado | Blue Mesa Tuff | | 100-500 | 10 | Lipman (1976), Bove et al. (2001) | |
| 28,100,000 | 28,100,000 | 28,100,000 | Uncompahgre | Colorado | Dillon/Sapinero Mesa Tuffs | | >1000 | 23x20 | Lipman et al. (1973), Bove et al. (2001) | |
| 28,000,000 | 28,000,000 | 28,000,000 | San Juan | Colorado | Sapinero Mesa Tuff | | >1000 | 22x24 | Lipman et al. (1973), Bove et al. (2001) | |
| 28,000,000 | 28,000,000 | 28,000,000 | Apache | Colorado | Chapo Formation | | | 10x8 | Lipman (1984) | |
| 27,830,000 | 27,830,000 | 27,830,000 | La Garita | Colorado | Fish Canyon Tuff | | >5000 | 100x35 | Lipman (2000), Lipman and Calvert (2003) | |
| 27,600,000 | 27,600,000 | 27,600,000 | Silverton | Colorado | Crystal Lake Tuff | | 50-100 | 20 | Lipman (2000) | |
| 27,350,000 | 27,350,000 | 27,350,000 | Bachelor | Colorado | Carpenter Ridge Tuff | | 1200 | 28x20 | Steven and Lipman (1976), Lipman (2000) | |
| 27,200,000 | 27,200,000 | 27,200,000 | Central SJ (concealed) | Colorado | Blue Creek Tuff | | 250 | | Lipman (2000) | |
| 27,100,000 | 27,100,000 | 27,100,000 | South River | Colorado | Wason Park Tuff | | >500 | | Lipman (2000) | |
| 27,000,000 | 27,000,000 | 27,000,000 | Three Creeks | Utah | Three Creeks Tuff Member | | 100-200 | 8 | Lipman (1984) | |
| 27,000,000 | 27,000,000 | 27,000,000 | San Luis Complex | Colorado | Rat Creek Tuff | | 150 | | Lipman (2000) | |
| 27,000,000 | 27,000,000 | 27,000,000 | Gila Cliff Dwelling | New Mexico | not known | | | 26x18 | Lipman (1984) | |
| 26,900,000 | 26,900,000 | 26,900,000 | San Luis Complex | Colorado | Cebolla Creek Tuff | | 250 | 18 | Lipman (2000) | |
| 26,800,000 | 26,800,000 | 26,800,000 | San Luis Complex | Colorado | Nelson Mountain Tuff | | 562 | 18 | Lipman (2000) | |
| 26,700,000 | 26,700,000 | 26,700,000 | Creede | Colorado | Snowshoe Mountain Tuff | | >500 | 24 | Steven and Ratte (1965); Lipman (2000) | |
| 26,000,000 | 26,000,000 | 26,000,000 | Questa | Colorado | Amalia Tuff | | 400 | 15 | Lipman (1984) | |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|---|---------------------|---|-----|---------------|---------------------|--|
| 25,900,000 | 25,900,000 | 25,900,000 | Lake City | Colorado | | | 200-500 | 20 | Lipman (2000) |
| 25,000,000 | 25,000,000 | 25,000,000 | Turkey Creek | Colorado | Rhyolite Canyon Formation | | 500 | 21 | Latta (1983) |
| 23,100,000 | 23,100,000 | 23,100,000 | Lake City | Colorado | Sunshine Peak Tuff | | 300 | | Lipman (1976), Hon and Lipman (1989) |
| 23,000,000 | 23,000,000 | 23,000,000 | Monroe Peak | Utah | Osiris Tuff | | 200 | 20x16 | Lipman (1984) |
| 22,000,000 | 22,000,000 | 22,000,000 | Big John | Utah | Delano Peak Tuff Member | | 50 | 10x6 | Lipman (1984) |
| 19,000,000 | 19,000,000 | 19,000,000 | Oxaya ignimbrites Upper Members | Chile | Oxaya Ignimbrites | | 3000 | | Schröder and Wörner (1996) |
| 19,000,000 | 19,000,000 | 19,000,000 | Mount Belknap | Utah | Joe Lott Member | | 150 | 17x13 | Lipman (1984) |
| | | | | | | | | | |
| 16,548,000 | 16,548,000 | 16,548,000 | Washburn | Oregon | Oregon Canyon Tuff | | 250 | 30x25 | Lipman (1984), Jarboe et al. (2006) |
| 16,600,000 | 15,950,000 | 15,300,000 | Columbia River Basalts | Washington | Flood Basalts | | 180,000 | | Hooper (2000), Sigurdsson (2000), Camp and Ross (2000) |
| 15,800,000 | 15,800,000 | 15,800,000 | Pueblo | Oregon | Trout Creek Mountains Tuff | | 300 | 20x10 | Lipman (1984) |
| 20,000,000 | 15,800,000 | 11,600,000 | Frailes Ignimbrites (W) | Bolivia | | | 550 | | De Silva and Francis (1991) |
| 15,700,000 | 15,700,000 | 15,700,000 | McDermitt Caldera (Calavera) | Nevada/Oregon | Double H Tuff | | 300 | 17 | Lipman (1984) |
| 15,600,000 | 15,600,000 | 15,600,000 | McDermitt Caldera (Longridge) | Nevada/Oregon | Longridge Tuff Member 5 | | 400 | 33 | Lipman (1984) |
| 15,600,000 | 15,600,000 | 15,600,000 | McDermitt Caldera (Jordan Meadow) | Nevada/Oregon | Longridge Tuff Member 2-3 | | 350 | 10-15 | Lipman (1984) |
| 15,000,000 | 15,000,000 | 15,000,000 | Whitehorse | Nevada/Oregon | Whitehorse Creek Tuff | | 40 | 15 | Lipman (1984), Pierce and Morgan (1992) |
| 16,000,000 | 15,000,000 | 14,000,000 | Unknown | Bolivia | Huaylillas Ignimbrite | | 1100 | | De Silva and Francis (1991), Schildgen et al. (2007) |
| 14,900,000 | 14,900,000 | 14,900,000 | Campi Flegrei caldera | Italy | Neapolitan Yellow Tuff | | 79 | | Deino et al. (2004) Scarpati et al. (1993) |
| 23,030,000 | 14,180,000 | 5,330,000 | Pastos Grandes | Chile | Sifon Ignimbrite | | | 50 | De Silva and Francis (1991) |
| 23,030,000 | 14,180,000 | 5,330,000 | Cerro Panizos | Chile | Panizos Ignimbrite | | | 18 | Ort (1993) |
| 13,250,000 | 13,250,000 | 13,250,000 | Crater Flat Group | Southwestern Nevada | Crater Flat Tuff, Bullfrog Member | | 650 | | Sawyer et al. (1994) |
| 13,000,000 | 13,000,000 | 13,000,000 | Silent Canyon | Southwestern Nevada | Belted Range Tuff | | 200 | 20x16 | Lipman (1984) |
| 12,800,000 | 12,800,000 | 12,800,000 | Paintbrush | Southwestern Nevada | Paintbrush Tuff - Topopah Spring Member | | 1200 | 20 | Farmer et al. (1991), Sawyer et al. (1994) |
| 12,700,000 | 12,700,000 | 12,700,000 | Paintbrush | Southwestern Nevada | Paintbrush Tuff - Tiva Canyon Member | | 1000 | 20 | Farmer et al. (1991), Sawyer et al. (1994) |
| 11,600,000 | 11,600,000 | 11,600,000 | Timber Mountain | Southwestern Nevada | Timber Mountain Tuff - Rainier Mesa Member | | 1200 | 30x25 | Farmer et al. (1991), Sawyer et al. (1994) |
| 11,450,000 | 11,450,000 | 11,450,000 | Timber Mountain | Southwestern Nevada | Timber Mountain Tuff - Ammonia Tanks Member | | 900 | 30x25 | Farmer et al. (1991), Sawyer et al. (1994) |
| 9,200,000 | 8,600,000 | 8,000,000 | Two intervals of seasonal ice in Arctic | | | | | | Moran et al. (2006) |
| 8,300,000 | 8,300,000 | 8,300,000 | Pastos Grandes | Bolivia | Sifon Ignimbrite | | 652 | 18 | De Silva and Francis (1991) |
| 8,000,000 | 7,000,000 | 6,000,000 | Black Mountain | Nevada | Thirsty Canyon Tuff | | 300 | 18 | Lipman (1984) |
| 6,500,000 | 6,500,000 | 6,500,000 | Blacktail | Idaho | Blacktail Tuff | | 1500 | 100x60 | Morgan et al. (1984) |
| 6,100,000 | 6,100,000 | 6,100,000 | Cerro Panizos | Argentina/Bolivia | Panizos Ignimbrite | | 652 | 18 | Ort (1993) |
| 5,600,000 | 5,600,000 | 5,600,000 | Blue Creek | Idaho | Blue Creek Tuff | | 500 | 55x30 | Morgan et al. (1984) |
| | | | | | | | | | |
| 5,000,000 | 5,000,000 | 5,000,000 | Pokolama | Bolivia | | | 400 | | De Silva and Francis (1991) |
| 5,000,000 | 5,000,000 | 5,000,000 | Kari Kari Caldera | Bolivia | | | 470 | | De Silva and Francis (1991) |
| 4,300,000 | 4,300,000 | 4,300,000 | Kilgore | Idaho | Kilgore Tuff | | 800 | 80x60 | Morgan et al. (1984) |
| 4,200,000 | 4,200,000 | 4,200,000 | Cerro Galan | Argentina | Real Grande and Cueva Negra | | 510 | 32 | Francis et al. (1989) |
| 4,000,000 | 4,000,000 | 4,000,000 | Frailes Ignimbrites (E) | Bolivia | Frailes Ignimbrite | | 620 | | De Silva and Francis (1991) |
| 4,100,000 | 4,000,000 | 3,900,000 | La Pacana | Chile | Atana Ignimbrite | | 2500 | 60x35 | Lindsay et al. (2001) |
| | | | | | | | | | |
| 5,600,000 | 4,700,000 | 3,800,000 | Dorobu | Japan | | | | 13x6 | Lipman (2000) |
| 3,700,000 | 3,700,000 | 3,700,000 | Sabatini Volcanic Complex | Italy | | | | | Wikipedia |
| 3,600,000 | 3,600,000 | 3,600,000 | Footprints in ash | Africa | Laetoli | | | | Leakey and Hay (1979) |
| 2,800,000 | 2,800,000 | 2,800,000 | Chegem | Kamchatka | | | >300 | | Lipman (2000) |
| 2,100,000 | 2,100,000 | 2,100,000 | Tenerife | Canary Islands | San Juan de la Rambla phase | | | | Huertasa et al. (2002) |
| 2,063,000 | 2,059,000 | 2,055,000 | Yellowstone | Wyoming | Huckleberry Ridge Tuff | | >2450 | 100x50 | Christiansen (2001), Lanphere et al. (2002) |
| 2,130,000 | 2,030,000 | 1,930,000 | Cerro Galan | Argentina | Cerro Galan Ignimbrite | | 1000 | 35x20 | Sparks et al. (1985) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|----------------------------|------------------------|------------------------------------|-----|---------------|---------------------|---|
| 2,000,000 | 2,000,000 | 2,000,000 | Ngorongoro | Africa | | | | | McHenry (2003) |
| 1,900,000 | 1,890,000 | 1,880,000 | Unknown | Africa | KBS Tuff | | | | McDougall et al. (1980) |
| 1,750,000 | 1,750,000 | 1,750,000 | Ebisutoge-Fukuda Tephra | Japan | Fukuda Tephra | | 380-490 | | Kataoka et al. (2001) |
| 1,800,000 | 1,650,000 | 1,500,000 | Tenerife | Canary Islands | Adele phase | | | | Huertasa et al. (2002) |
| 1,620,000 | 1,610,000 | 1,600,000 | Valles Caldera | New Mexico | Otawi Member of the Bandelier Tuff | | | 22 | Min et al. (2004), www.volcano.si.edu/world/volcanocfm?vnum=121002-D |
| 1,289,000 | 1,285,000 | 1,281,000 | Yellowstone | Idaho/Wyoming | Mesa Falls Tuff | | >280 | 85x45 | Christiansen (2001), Lanphere et al. (2002) |
| 1,230,000 | 1,230,000 | 1,230,000 | Mangakino (Ongatit Ig) | New Zealand | Ongatit Ignimbrite | | >300 | | Briggs et al. (1993) |
| 1,360,000 | 1,200,000 | 1,040,000 | Toba | Indonesia | Haranggoal Dacite | | | | Chesner and Rose (1991) |
| 1,120,000 | 1,120,000 | 1,120,000 | Valles Caldera | New Mexico | Upper member Bandelier Tuff | | | 22 | Heiken et al. (1990) |
| 1,010,000 | 1,010,000 | 1,010,000 | Mangakino (Unit E) | New Zealand | Unit E | | >300 | | Briggs et al. (1993) |
| 1,000,000 | 1,000,000 | 1,000,000 | Tenerife | Canary Islands | Las Americas phase | | | | Huertasa et al. (2002) |
| 970,000 | 970,000 | 970,000 | Mangakino (Rocky Hill Ig) | New Zealand | Rocky Hill Ignimbrite | | >300 | | Briggs et al. (1993) |
| 790,200 | 788,000 | 785,800 | Toba (Porsea) | Indonesia | Oldest Toba Tuff | | 820 | 100x30 | Lee et al. (2004) |
| 760,700 | 758,900 | 757,100 | Long Valley | California | Bishop Tuff | | 800 | 20x35 | Hildreth, W (1979), Sarna-Wojcicki et al. (2000) |
| 641,000 | 639,000 | 637,000 | Yellowstone | Wyoming | Lava Creek Tuff | | >1000 | 85x45 | Christiansen (2001), Lanphere et al. (2002) |
| 607,000 | 600,000 | 593,000 | Tenerife | Canary Islands | Granadilla phase | | 52 | | Bryan et al. (2000), Bryan (2006) |
| 506,000 | 501,000 | 496,000 | Toba | Indonesia | Middle Toba Tuff | | | | Chesner and Rose (1991) |
| 780,000 | 452,500 | 125,000 | Newberry | Oregon | ? | | | 8x6 | Sherrod and Smith (2000) |
| 450,000 | 450,000 | 450,000 | Diamante | Argentina | | | 450 | 20x16 | Newhall and Dzurisin (1988), Sruoga et al. (2005) |
| 700,000 | 425,000 | 150,000 | Banda del Sur phase | Tenerife, Canary Islan | Las Cañadas caldera | | | 10x17 | Huertasa et al. (2002) |
| 385,000 | 385,000 | 385,000 | Roccamonfina | Italy | | | 100-125 | 65x55 | Newhall and Dzurisin (1988), De Rita and Giordano (1996) |
| 374,000 | 374,000 | 374,000 | Sabatini volcanic complex | Italy | Morphi tephra | | > 200 | | Pyle et al. (1998) |
| 340,000 | 340,000 | 340,000 | Taupo Volcanic Zone | New Zealand | Whakamaru Group | | >1000 | | Bryan et al. (2002) |
| 340,000 | 335,000 | 330,000 | Whakamaru | New Zealand | | | | 30x40 | Arehart et al. (2002), Black et al. (1996), WEB3 |
| 300,000 | 300,000 | 300,000 | Kirishima (Kakuto Caldera) | Japan | | | 40 | | hakone.eri.u-tokyo.ac.jp/vrc/erup/kiri.html |
| 280,000 | 280,000 | 280,000 | Maninjau | Indonesia | | | | | Purbo-Hadiwidjoyo et al. (1979) |
| 270,000 | 270,000 | 270,000 | Aso | Japan | | | 80 | 24 | Newhall and Dzurisin (1988), Chen (2003), WEB3 |
| 233,000 | 233,000 | 233,000 | Emmons Lake | Alaska | | | >50 | 18x11 | Waythomas et al. (2001) |
| 230,000 | 230,000 | 230,000 | Maroa | New Zealand | | | 140 | 16x25 | www.volcano.si.edu/world/volcanocfm?vnum=0401-061 |
| 220,000 | 220,000 | 220,000 | Rotorua | New Zealand | | | >340 | 22 | www.volcano.si.edu/world/volcanocfm?vnum=0401042A |
| 300,000 | 175,000 | 50,000 | Uksichan II | Kamchatka | | | | 5 | Ogorodov et al. (1972), Leonov (2003), Erlich (1986) |
| 300,000 | 175,000 | 50,000 | Uksichan I | Kamchatka | | | | 18 | Ogorodov et al. (1972), Erlich (1986) |
| 300,000 | 175,000 | 50,000 | Perevalovy | Kamchatka | | | | 8 | Leonov (2003), Ogorodov et al. (1972) |
| 180,000 | 165,000 | 150,000 | Stena-Soboliny | Kamchatka | | | | 15x20 | Leonov (2003), Erlich (1986) |
| 180,000 | 165,000 | 150,000 | Polovinka (Krainy) | Kamchatka | | | | 15 | Leonov (2003), Erlich (1986), WEB3 |
| 161,000 | 161,000 | 161,000 | Kos-Nisyros caldera | Greece | Kos Plateau Tuff | | 110 | | Allen (2001) |
| 140,000 | 140,000 | 140,000 | Aso | Japan | | | 80 | 24 | Newhall and Dzurisin (1988), Chen (2003), WEB1 |
| 120,000 | 120,000 | 120,000 | Aso | Japan | | | 80 | 24 | Newhall and Dzurisin (1988), Chen (2003), WEB1 |
| 120,000 | 100,000 | 80,000 | Bolshoi Semiachik I | Kamchatka | | | | 20x30 | Leonov (2003), WEB1 |
| 95,000 | 95,000 | 95,000 | La Primavera | Mexico | Tala Tuff | | 20 | 11 | Lipman (2000), WEB1 |
| 95,000 | 95,000 | 95,000 | Kikae | Japan | | | | | Chen (2003) |
| 95,000 | 95,000 | 95,000 | Ata caldera | Japan | | | 20 | | Chen (2003) |
| 110,000 | 95,000 | 80,000 | Odnobokii | Kamchatka | | | | 6 | Leonov (2003), Erlich (1986) |
| 90,000 | 90,000 | 90,000 | Aso | Japan | | | 80 | 24 | Newhall and Dzurisin (1988), Chen (2003), WEB1 |
| 84,000 | 84,000 | 84,000 | Atitlan (Los Chocoyos) | Guatemala | | | 300 | | Vallance and Calvert (2003) |
| 90,000 | 80,000 | 70,000 | On-Take | Japan | | | 13 | 4x5 | Newhall and Dzurisin (1988), WEB1 |
| 77,000 | 73,000 | 69,000 | Toba | Indonesia | Younger Toba Tuff | | 2800 | 100x30 | Rose and Chesner (1987), Zielinski et al. (1996) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|---|----------------|--|-----|---------------|---------------------|---|
| 58,600 | 57,300 | 56,000 | Tindfjallajökull | Iceland | | | | | Ram et al. (1996) |
| 57,680 | 52,680 | 47,680 | Z2 tephra possibly from Torfajökull and | Iceland | Thick tephra widely dispersed in N Atlantic | | | | Zielinski et al. (1997) |
| 55,000 | 52,000 | 49,000 | Maninjau | Indonesia | | | 50 | 20x8 | Allowaya et al. (2004) |
| 43,000 | 43,000 | 43,000 | Golovnin | Kamchatka | | | | 4x5 | Braitseva et al. (1995), WEB1 |
| 41,600 | 40,100 | 38,600 | Uzon-Geizernaya twinned caldera | Kamchatka | | | 1700 | 9x18 | Braitseva et al. (1995), Leonov (2003), Fedotov+Masurenkov (1991), WEB1 |
| 40,000 | 39,500 | 39,000 | Opala | Kamchatka | | | | 14x12 | Braitseva et al. (1995), Leonov (2003), Erlich (1986), WEB1 |
| 40,000 | 39,500 | 39,000 | Mendeleev | Kamchatka | | | | 6-7 | Braitseva et al. (1995) |
| 39,390 | 39,280 | 39,170 | Phlegraean Fields (Campian) | Italy | Campanian Tuff | | 150 | 13 | Fedele et al. (2002), Fedele et al. (2003) |
| 40,000 | 39,000 | 38,000 | Khangar II | Kamchatka | | | | 8 | Braitseva et al. (1995), Leonov (2003) |
| 38,000 | 36,500 | 35,000 | Krashennnikov | Kamchatka | | | | 12 | Braitseva et al. (1995), Leonov (2003), Erlich (1986), WEB1 |
| 34,000 | 32,500 | 31,000 | Shikotsu | Japan | | | 74 | 13x15 | www.volcano.si.edu/world/volcanocfm?vnum=0805-04= |
| 31,500 | 31,500 | 31,500 | Akan | Japan | | | 60 | 13x24 | Goto et al. (2000), www.volcano.si.edu/world/volcanocfm?vnum=0805-07= |
| 30,000 | 30,000 | 30,000 | Kutcharo (Mashu) | Japan | | | 52 | 20x26 | Goto et al. (2000), Newhall and Dzurisin (1988), WEB4 |
| 30,000 | 30,000 | 30,000 | Polovinka | Kamchatka | | | | 15 | www.volcano.si.edu/world/volcanocfm?vnum=1000-125 |
| 30,000 | 30,000 | 30,000 | Akademia Nauk (Karymskoe Lake) | Kamchatka | | | | 3x5 | Leonov (2003), Erlich (1986), WEB3 |
| 50,000 | 30,000 | 10,000 | Prizrak II | Kamchatka | | | | | Leonov (2003) |
| 50,000 | 30,000 | 10,000 | Prizrak I | Kamchatka | | | | 6 | Melekestsev et al. (1974), Leonov (2003), Erlich (1986) |
| 50,000 | 30,000 | 10,000 | Ksudach II | Kamchatka | | | | 8 | Melekestsev et al. (1974), WEB1 |
| 50,000 | 30,000 | 10,000 | Ksudach I | Kamchatka | | | | 9 | Melekestsev et al. (1974), Leonov (2003), Erlich (1986), WEB1 |
| 26,500 | 26,500 | 26,500 | Taupo | New Zealand | Oruanui | | 530 | 35 | Wilson (2001) |
| 25,000 | 24,500 | 24,000 | Nemo Peak | Kamchatka | | | | 11 | Braitseva et al. (1995) |
| 24,000 | 24,000 | 24,000 | Aira (Sakurajima) | Japan | | | 450 | 17x23 | Chen (2003) |
| 23,000 | 23,000 | 23,000 | Apoyo | Nicaragua | | | 11 | 7 | Newhall and Dzurisin (1988), WEB5 |
| 22,000 | 22,000 | 22,000 | COLDEST PART OF LAST GLACIAL MAXIMUM | | | | | | Lisiecki and Raymo (2005) |
| 20,000 | 20,000 | 20,000 | Maly Semiachik | Kamchatka | | | | 10 | Leonov (2003), Erlich (1986) |
| 22,000 | 17,000 | 12,000 | Emmons Lake | Alaska | Dawson Tephra | | >50 | 18x11 | Waythomas et al. (2001), WEB3 |
| 11,500 | 11,500 | 11,500 | BASE OF THE HOLOCENE End modern Ice Age | | | | | | |
| 12,657 | 12,657 | 12,657 | Large sulfate anomaly in GISP2 cores | Greenland | Leading into coldest part of the Younger Dryas | | | | WEB2 |
| 11,285 | 11,285 | 11,285 | Large sulfate anomaly in GISP2 cores | Greenland | Within the Pre-boreal oscillation | | | | Taylor et al. (1997), WEB2 |
| 9,537 | 9,487 | 9,437 | Lvinaya Past | Kuril Islands | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 9,617 | 9,467 | 9,317 | Pinatubo | Philippines | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 9,627 | 9,427 | 9,227 | Fisher | Alaska | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 9,400 | 9,400 | 9,400 | L'vinaya Past (Moikeshi) | Kamchatka | | | | 9 | Braitseva et al. (1995) |
| 9,357 | 9,357 | 9,357 | Ulreung | Korea | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 10,000 | 9,000 | 8,000 | Ichinsky III | Kamchatka | | | | 5 | Fedotov and Masurenkov (1991), Leonov (2003), Erlich (1986), WEB1 |
| 9,709 | 8,861 | 8,012 | Ksudach (KS4) | Kamchatka | | | 15-2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 8,800 | 8,800 | 8,800 | Ksudach III | Kamchatka | | | | ? | Braitseva et al. (1995), Volynets et al. (1999), WEB1 |
| 9,015 | 8,759 | 8,502 | Karymsky | Kamchatka | | 6 | 13-16 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 8,597 | 8,587 | 8,577 | Okataina | New Zealand | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 9,000 | 8,500 | 8,000 | Bolshoi Semiachik II | Kamchatka | | | | 10 | Leonov (2003), Erlich (1986), WEB1 |
| 8,470 | 8,462 | 8,442 | Kurile Lake | Kamchatka | | 7 | 140-170 | | Zaretskaia et al. (2001) |
| 8,430 | 8,331 | 8,232 | Kizimen (KZ) | Kamchatka | | 6 | 4-5 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 9,207 | 8,207 | 7,207 | Sakura-Jima | Japan | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 8,057 | 8,057 | 8,057 | Menengai | Eastern Africa | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 8,117 | 8,000 | 7,882 | Avachinsky (I AV2) | Kamchatka | | 6 | >8-10 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 7,900 | 7,900 | 7,900 | Karymsky | Kamchatka | | 6 | | 5 | Braitseva et al. (1995), Leonov (2003), Erlich (1986) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|---------------------------|------------------|-----------------------------|-----|---------------|---------------------|--|
| 7,733 | 7,708 | 7,682 | Khangar (KHG) | Kamchatka | | 6 | 14-16 | 21x28 | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 7,834 | 7,684 | 7,534 | Crater Lake | Oregon | | 7 | 51-59 | 10x8 | Bacon et al. (1997), www.volcano.si.edu/world/largeeruptions.cfm |
| 7,632 | 7,557 | 7,482 | Tao-Rusyr Caldera | Kuril Islands | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 7,275 | 7,215 | 7,154 | Ksudach (KS3) | Kamchatka | | | 10-11 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 7,100 | 7,100 | 7,100 | Tavui | New Britain | | | | | www.volcano.si.edu/world/volcanocfm?vnum=0502-14= |
| 7,127 | 7,077 | 7,027 | Crater Lake | Oregon | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 9,400 | 7,475 | 5,550 | Tao-Rusyr | Kamchatka | | | | 75 | Braitseva et al. (1995) Wikipedia: Tao-Rusyr |
| 8,257 | 7,257 | 6,257 | Aniakchak | Alaska | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 7,087 | 6,887 | 6,687 | Mashu | Japan | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 6,963 | 6,884 | 6,804 | Ksudach (KS2) | Kamchatka | | 6 | 7-8 | | www.volcano.si.edu/world/largeeruptions.cfm |
| 6,757 | 6,757 | 6,757 | Hudson, Cerro | Chile | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 6,567 | 6,367 | 6,167 | Macauley Island | Kermec Islands | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 6,357 | 6,357 | 6,357 | Kikai | Japan | | 7 | 150 | | Chen (2003), www.volcano.si.edu/world/largeeruptions.cfm |
| 6,367 | 6,318 | 6,269 | Avachinsky (AV4) | Kamchatka | | | >134 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 6,000 | 6,000 | 6,000 | Ksudach IV | Kamchatka | | | | ? | Braitseva et al. (1995), Volynets et al. (1999), WEB1 |
| 5,787 | 5,687 | 5,587 | Pago | New Britain | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 5,787 | 5,587 | 5,387 | Taal | Philippines | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 5,557 | 5,557 | 5,557 | Pinatubo | Philippines | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 5,507 | 5,507 | 5,507 | Iliinsky (ZLT) | Kamchatka | | | 1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 5,641 | 5,347 | 5,053 | Chasha crater (OPtr) | Kamchatka | | | 1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 5,346 | 5,194 | 5,041 | Avachinsky (AV3) | Kamchatka | | | >11 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 4,907 | 4,887 | 4,867 | Okataina | New Zealand | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 4,873 | 4,692 | 4,511 | Shiveluch (SHdv) | Kamchatka | | | >15 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 4,857 | 4,637 | 4,416 | Avachinsky (AV2) | Kamchatka | | | >06 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 4,147 | 4,047 | 3,947 | Long Island | NE of New Guinea | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 4,057 | 3,907 | 3,757 | Black Peak | Alaska | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 3,897 | 3,897 | 3,897 | Hudson, Cerro | Southern Chile | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 3,911 | 3,893 | 3,875 | Avachinsky (AV1) | Kamchatka | | 6 | >4 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 3,867 | 3,867 | 3,867 | St Helens | Washington | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 3,893 | 3,824 | 3,755 | Avachinsky (AV1) | Kamchatka | | | >4 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 3,757 | 3,757 | 3,757 | Veniaminof | Alaska | | 6 | >400 | 9 | Bacon et al. (2007), www.volcano.si.edu/world/largeeruptions.cfm |
| 3,662 | 3,652 | 3,642 | Aniakchak | Alaska | | 6 | 335 | 20x10 | Larsen (2006), www.volcano.si.edu/world/largeeruptions.cfm |
| 3,634 | 3,621 | 3,607 | Santorini | Greece | | 7 | 99 | | www.volcano.si.edu/world/largeeruptions.cfm Friedrich et al. (2006) |
| 3,607 | 3,607 | 3,607 | Taupo | New Zealand | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 3,500 | 3,500 | 3,500 | Rabaul | New Britain | | | | 14x9 | Newhall and Dzurisin (1988) |
| 3,527 | 3,427 | 3,327 | Pago | New Britain | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 3,557 | 3,057 | 2,557 | Pinatubo | Philippines | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,929 | 2,929 | 2,929 | Shiveluch (SH2800) | Kamchatka | | | >1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,814 | 2,673 | 2,531 | Shiveluch (SH5) | Kamchatka | | | >1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,798 | 2,617 | 2,435 | Khodutkinsky crater (KHD) | Kamchatka | | | 1.5 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,331 | 2,257 | 2,183 | Raoul Island | Kermec Islands | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,157 | 2,107 | 2,057 | Okmok | Alaska | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,057 | 1,957 | 1,857 | Ambrym | Vanuatu | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 2,147 | 1,947 | 1,747 | Churchill | Eastern Alaska | | 6 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,827 | 1,827 | 1,827 | Taupo | New Zealand | | 7 | 90 | 35 | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,800 | 1,800 | 1,800 | Ksudach V | Kamchatka | | 6 | | 6 | Braitseva et al. (1995), Braitseva et al. (1996), Volynets et al. (1999), WEB1 |
| 1,767 | 1,767 | 1,767 | Ksudach (Stubel cone) | Kamchatka | | 6 | 19 | | Braitseva et al. (1996), WEB1 |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|--|---------------------|-----------------------|--------------------------------------|---------------------|---|-----|---------------|---------------------|--|
| 1,867 | 1,767 | 1,667 | Ksudach (KS1) | Kamchatka | | 6 | 18-19 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,587 | 1,557 | 1,527 | Ilopango | El Salvador | | 6 | 10 to 20 | 8x11 | www.volcano.si.edu/world/largeeruptions.cfm |
| 1,800 | 1,550 | 1,300 | Kamchatka | Kamchatka | Major upsurge in activity | | | | Braitseva et al. (1995) |
| 1,567 | 1,467 | 1,367 | Rabaul | New Britain | | 6 | 12? | 14x9 | www.volcano.si.edu/world/largeeruptions.cfm |
| 1,457 | 1,413 | 1,369 | Opala, Baranii | Kamchatka | Amphitheater crater | 6 | 9-10 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,379 | 1,379 | 1,379 | Shiveluch (SH1450) | Kamchatka | | | >1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,393 | 1,365 | 1,337 | Shiveluch (SH3) | Kamchatka | | | >2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,507 | 1,307 | 1,107 | Churchill | Eastern Alaska | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 1,372 | 1,297 | 1,222 | Pago | New Britain | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 1,257 | 1,207 | 1,157 | Dakataua | New Britain | | 6 | 75 | 105x135 | Newhall and Dzurisin (1988), www.volcano.si.edu/world/largeeruptions.cfm |
| 1,277 | 1,077 | 877 | Ceboruco | México | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 1,118 | 1,055 | 992 | Ksudach, Stübel cone (KSht1) | Kamchatka | | | 2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 1,047 | 1,007 | 967 | Baitoushan | Eastern China | | 7 | 96 | 5 | Horn and Schmincke (2000), www.volcano.si.edu/world/largeeruptions.cfm |
| 986 | 918 | 850 | Shiveluch (SH2) | Kamchatka | | | >2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 751 | 751 | 750 | Largest sulfate anomaly in ice cores | Unknown | | | | | Oppenheimer (2003); Palais et al. (1992) |
| 727 | 727 | 727 | Quilotoa | Ecuador | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 565 | 555 | 545 | Kuwae | Vanuatu | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 447 | 427 | 407 | Billy Mitchell | Bougainville Island | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 407 | 407 | 407 | Huaynaputina | Perú | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 366 | 355 | 344 | Shiveluch (SH1) | Kamchatka | | | >1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 367 | 347 | 327 | Long Island | NE of New Guinea | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 224 | 224 | 224 | Laki | Iceland | Small explosive euption but very gas rich | 4 | | | Thordarson and Self (2003) |
| 217 | 201 | 185 | Ksudach (KS1) | Kamchatka | | 6 | 18-19 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 198 | 198 | 198 | Ice Core Anomaly | Tropics | | | | | Dai et al. (1991) |
| 192 | 192 | 192 | Tambora | Indonesia | | 7 | 160 | 60 | Self et al. (1989), www.volcano.si.edu/world/largeeruptions.cfm |
| 153 | 153 | 153 | Shiveluch (SH1854) | Kamchatka | | | ~1 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 124 | 124 | 124 | Krakatau | Indonesia | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 105 | 105 | 105 | Santa Maria | Guatemala | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 100 | 100 | 100 | Ksudach, Stübel cone (KSht3) | Kamchatka | | 5 | 2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 95 | 95 | 95 | Novarupta | Alaska | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| 51 | 51 | 51 | Bezymianny (B1956) | Kamchatka | | 5 | | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 43 | 43 | 43 | Shiveluch (SH1964) | Kamchatka | | | 1.5-2 | | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| 16 | 16 | 16 | Pinatubo | Philippines | | 6 | | | www.volcano.si.edu/world/largeeruptions.cfm |
| | | | | | | | | | |
| Volcanoes with Calderas Not Studied Well Enough for Reliable Eruption Reports | | | | | | | | | |
| 13,200,000 | 13,200,000 | 13,200,000 | Whitney Peak | Antarctica | | | | 6 | Smellie et al. (1993) |
| 12,000,000 | 11,500,000 | 11,000,000 | Mount Hampton | Antarctica | | | | 6 | Smellie et al. (1993) |
| 23,030,000 | 14,180,000 | 5,330,000 | Coulman | Antarctica | | | | 7 x 65 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 23,030,000 | 14,180,000 | 5,330,000 | Nameless Glacier (Adare Peninsula) | Antarctica | | | | 5 x 4 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 23,030,000 | 14,180,000 | 5,330,000 | Mandible Cirque (Daniell Peninsula) | Antarctica | | | | 9 x 8 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 5,700,000 | 4,950,000 | 4,200,000 | Mount Sidley | Antarctica | | | | 5 | Panter et al. (1994) |
| 5,330,000 | 3,570,000 | 1,810,000 | Mount Siple | Antarctica | | | | 7 x 4 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Belinda (Montagu Island) | Antarctica | | | | 8 to 10 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Erebus | Antarctica | | | | 5 x 4 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Morning | Antarctica | | | | 5 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Takahe | Antarctica | | | | 8 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Waesche (Chang Peak) | Antarctica | | | | 12 x 7 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|--------------------------------------|--------------------|-----------------------------|-----|---------------|---------------------|---|
| 2,590,000 | 1,295,000 | 0 | Port Foster (Deception Island) | Antarctica | | | | 11 x 9 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 2,590,000 | 1,295,000 | 0 | Mount Haddington (James Ross Island) | Antarctica | | | | 6? | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| Unknown | | | Cha (Fogo) | Cape Verde Islands | | | | 9 | Newhall and Dzurisin (1988) |
| Unknown | | | Emi Koussi | Chad | | | | 12 | Newhall and Dzurisin (1988), Permenter and Oppenheimer (2007) |
| Unknown | | | Tarso Tieroko | Chad | | | | 97 | Newhall and Dzurisin (1988), Permenter and Oppenheimer (2007) |
| Unknown | | | Tarso Voon | Chad | | | | 13 | Newhall and Dzurisin (1988), Permenter and Oppenheimer (2007) |
| Unknown | | | Tarso Toon | Chad | | | | 12 | Newhall and Dzurisin (1988), Permenter and Oppenheimer (2007) |
| Unknown | | | Trou au Natron (Tousside) | Chad | | | | 8 | Newhall and Dzurisin (1988), Permenter and Oppenheimer (2007) |
| Unknown | | | Tarso Yega | Chad | | | | 20 | Permenter and Oppenheimer (2007) |
| Unknown | | | Tarso Abeki | Chad | | | | 13 | Permenter and Oppenheimer (2007) |
| Unknown | | | pre-Tousside Caldera | Chad | | | | 16 | Permenter and Oppenheimer (2007) |
| Unknown | | | Unknown | Argentina | | | | 5 | De Silva and Francis (1991) |
| Unknown | | | Unknown | Argentina | | | | 6 | De Silva and Francis (1991) |
| Unknown | | | Unknown | Argentina | | | | 11 | De Silva and Francis (1991) |
| Unknown | | | Cerro Escondida | Argentina | | | | 14 | De Silva and Francis (1991) |
| Unknown | | | Cerro de Cienaga Redonda | Argentina | | | | 6 | De Silva and Francis (1991) |
| Unknown | | | Cerro Bonete | Argentina | | | | 55 | De Silva and Francis (1991) |
| Unknown | | | Kari Kari Caldera | Bolivia | | | | 30 | De Silva and Francis (1991) |
| Unknown | | | Unknown | Bolivia | | | | 5 | De Silva and Francis (1991) |
| 65,000,000 | 33,400,000 | 1,800,000 | Cerro Pastos Grandes | Bolivia | | | | 35 | De Silva and Francis (1991) |
| 2,590,000 | 1,295,000 | 0 | Purico Complex | Chile | | | | 17 | De Silva and Francis (1991) |
| 2,590,000 | 1,295,000 | 0 | Cordillera Nevada | Chile | | | | 9 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Villarica | Chile | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Cerro Laram Khaua | Chile | | | | 8 | De Silva and Francis (1991) |
| Unknown | | | Cerros de Achecalane/Cerro Vilacollo | Chile | | | | 7 | De Silva and Francis (1991) |
| Unknown | | | Cerros de Mamuta | Chile | | | | 65 | De Silva and Francis (1991) |
| Unknown | | | Wheelwright Caldera | Chile | | | | 145 | De Silva and Francis (1991) |
| Unknown | | | Cerro Hudson | Chile | | | | 10 | Newhall and Dzurisin (1988) |
| Unknown | | | Nevados de Chilean | Chile | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Copahue (Del Agrio) | Chile/Argentina | | | | 20 | Newhall and Dzurisin (1988) |
| 2,590,000 | | 0 | Fernandina | Ecuador | | | | 65 | Newhall and Dzurisin (1988) |
| Unknown | | | Cerro Azul | Ecuador | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Sierra Negra | Ecuador | | | | 105 | Newhall and Dzurisin (1988) |
| Unknown | | | Volcan Alcedo | Ecuador | | | | 7 | Newhall and Dzurisin (1988) |
| Unknown | | | Volcan Darwin | Ecuador | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Volcano Wolf | Ecuador | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Marchena | Ecuador | | | | 7 | Newhall and Dzurisin (1988) |
| Unknown | | | Galeras Caldera | Peru | | | | 15 | De Silva and Francis (1991) |
| Unknown | | | Quello Apacheta | Peru | | | | 5 | De Silva and Francis (1991) |
| Unknown | | | Cerro Choquepata/Cerro San Miguel | Peru | | | | 6 | De Silva and Francis (1991) |
| Unknown | | | Unknown | Peru | | | | 5 | De Silva and Francis (1991) |
| Unknown | | | Unknown | Peru | | | | 6 | De Silva and Francis (1991) |
| 10,000 | | 0 | Nabro | Eritrea | | | | 10 | Newhall and Dzurisin (1988) |
| 10,000 | | 0 | Alutu | Ethiopia | | | | 8 | Newhall and Dzurisin (1988) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|---------------------------|------------------|-----------------------------|-----|---------------|---------------------|--|
| 10,000 | | 0 | Kone | Ethiopia | | | | 8 | Newhall and Dzurisin (1988) |
| 10,000 | | 0 | Asavyo | Ethiopia | | | | 12 | Newhall and Dzurisin (1988) |
| 10,000 | | 0 | Gedamsa | Ethiopia | | | | 10 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | O'a Caldera (Shalla) | Ethiopia | | | | 25 | Newhall and Dzurisin (1988) |
| Unknown | | | Oyma | Ethiopia | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Gademota | Ethiopia | | | | 10 | Newhall and Dzurisin (1988) |
| Unknown | | | Duguna | Ethiopia | | | | 10 | Newhall and Dzurisin (1988) |
| Unknown | | | Awasa | Ethiopia | | | | 40 | Newhall and Dzurisin (1988) |
| Unknown | | | Corbetti | Ethiopia | | | | 15 | Newhall and Dzurisin (1988) |
| 10,000 | | 0 | Mallahle | Ethiopia/Eritrea | | | | 8 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 2,590,000 | 1,295,000 | 0 | Oraefajokull | Iceland | | | | 5 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Askja | Iceland | | | | 8 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Krafla | Iceland | | | | 10 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Torfajokull | Iceland | | | | 12 | Newhall and Dzurisin (1988) |
| Unknown | | | Bardarbunga | Iceland | | | | 9 | Newhall and Dzurisin (1988) |
| Unknown | | | Grimsvotn | Iceland | | | | 8 | Newhall and Dzurisin (1988) |
| Unknown | | | Katla | Iceland | | | | 14 | Newhall and Dzurisin (1988) |
| Unknown | | | Kverkfjoll | Iceland | | | | 8 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 10,000 | 5,000 | 0 | Krakatau | Indonesia | | | | 7 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Tambora | Indonesia | | | | 6 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Sunda | Indonesia | | | | 7 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Lobotua/Badjawa | Indonesia | | | | 75 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Tondano | Indonesia | | | | 30 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Prahu (Dieng) | Indonesia | | | | 65 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Tengger | Indonesia | | | | 16 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Batur | Indonesia | | | | 13 | Newhall and Dzurisin (1988) |
| Unknown | | | Singkarak | Indonesia | | | | 15 | Newhall and Dzurisin (1988) |
| Unknown | | | Hutapanjang | Indonesia | | | | 14 | Newhall and Dzurisin (1988) |
| Unknown | | | Gedongsurian | Indonesia | | | | 15 | Newhall and Dzurisin (1988) |
| Unknown | | | Dano (Banten) | Indonesia | | | | 11 | Newhall and Dzurisin (1988) |
| Unknown | | | Buyan-Bratan | Indonesia | | | | 11 | Newhall and Dzurisin (1988) |
| Unknown | | | Ranau | Indonesia | | | | 13 | Newhall and Dzurisin (1988) |
| Unknown | | | Suoh | Indonesia | | | | 16 | Newhall and Dzurisin (1988) |
| Unknown | | | Geger Halang | Indonesia | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Ijen (Raung) | Indonesia | | | | 20 | Newhall and Dzurisin (1988) |
| Unknown | | | Ijen (Merapi) | Indonesia | | | | 20 | Newhall and Dzurisin (1988) |
| Unknown | | | Segara Anak | Indonesia | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Sukaria | Indonesia | | | | 18 | Newhall and Dzurisin (1988) |
| Unknown | | | Banda Api | Indonesia | | | | 7 | Newhall and Dzurisin (1988) |
| Unknown | | | Poco Leok | Indonesia | | | | 6 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 23,030,000 | 14,180,000 | 5,330,000 | Kumano | Japan | | | | | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 10,000 | 5,000 | 0 | Kikai | Japan | | | | 19 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Sanbe | Japan | | | | 7 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Tate-yama (Midagahara) | Japan | | | | 5 | Newhall and Dzurisin (1988) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, kn | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|------------------------------------|-------------|-----------------------------|-----|---------------|---------------------|--|
| 2,590,000 | 1,295,000 | 0 | Kuttara | Japan | | | | 5 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Ata | Japan | | | | 20 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Aira (Sakura-jima) | Japan | | | | 23 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Kakuto | Japan | | | | 13 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | On-Take | Japan | | | | 5 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Iwo-Jima | Japan | | | | 9 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Toya | Japan | | | | 10 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Hakkoda | Japan | | | | 8 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Aso | Japan | | | | 24 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Hakone | Japan | | | | 11 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Towada | Japan | | | | 11 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Shikotsu | Japan | | | | 15 | Newhall and Dzurisin (1988) |
| Unknown | | | Tazawa | Japan | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Akaigawa | Japan | | | | 8 | Newhall and Dzurisin (1988) |
| Unknown | | | Onikobe | Japan | | | | 10 | Newhall and Dzurisin (1988) |
| Unknown | | | Narugo | Japan | | | | 7 | Newhall and Dzurisin (1988) |
| Unknown | | | Bayonnaise | Japan | | | | 9 | Newhall and Dzurisin (1988) |
| Unknown | | | Daisetsu-Tokachi Graben | Japan | | | | 25 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 10,000 | 5,000 | 0 | Menengai | Kenya | | | | 12 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Suswa | Kenya | | | | 12 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Emuruangogolak | Kenya | | | | 5 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Silali | Kenya | | | | 8 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | The Barrier | Kenya | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Longonot | Kenya | | | | 12 | Newhall and Dzurisin (1988) |
| Unknown | | | Ngorongoro | Kenya | | | | 16 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 1,810,000 | 910,000 | 10,000 | Qualibou | St Lucia | | | | 5 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | (Valley of Desolation) Watt, Morne | Dominica | | | | 10 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 1,810,000 | 910,000 | 10,000 | Guyabo (Miravalles) | Costa Rica | | | | 20 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Poas | Costa Rica | | | | 16 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Rincon De La Vieja (Guachipelin) | Costa Rica | | | | 18 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Amatitlan (Pacaya) | Guatemala | | | | 16 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Atitlan | Guatemala | | | | 19 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Los Humeros | Mexico | | | | 21 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Apoyo | Nicaragua | | | | 7 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Masaya | Nicaragua | | | | 11 | Newhall and Dzurisin (1988) |
| Unknown | | | Las Lajas | Nicaragua | | | | 7 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 2,590,000 | 1,295,000 | 0 | Bulusan | Philippines | | | | 11 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Natib | Philippines | | | | 7 | Newhall and Dzurisin (1988) |
| Unknown | | | Taal | Philippines | | | | 20 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 1,810,000 | 910,000 | 10,000 | Piton de la Fournaise | France | | | | 12 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Thira (Santorini) | Greece | | | | 10 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Vico | Italy | | | | 7 | Newhall and Dzurisin (1988) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, km | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|--|------------------|---|-----|---------------|---------------------|--|
| 2,590,000 | 1,295,000 | 0 | Roccamonfina | Italy | | | | 6 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Cinque Denti | Italy | | | | 6 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | La Vecchia | Italy | | | | 6 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Vulsini (Bolsena) | Italy | | | | 16 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Monte Albano (Alban Hills) | Italy | | | | 125 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Phlegrean Fields (Campi Flegrei) | Italy | | | | 13 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Ischia | Italy | | | | 8 | Newhall and Dzurisin (1988) |
| Unknown | | | Sacrofano-Baccano | Italy | | | | 19 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Agua de Pau | Portugal | | | | 7 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Furnas | Portugal | Larger older caldera but not well defined | | | 6 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Sete Cidades | Portugal | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Las Canadas | Spain | | | | 17 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| 300,000 | 175,000 | 50,000 | Kikhpinych | Kamchatka | | | | 12? | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 300,000 | 175,000 | 50,000 | No name - caldera? Between Uzon-Ge | Kamchatka | | | | ? | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 300,000 | 175,000 | 50,000 | Pirog | Kamchatka | | | | 15 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 300,000 | 175,000 | 50,000 | Igolki | Kamchatka | | | | 7 | Leonov (2003) |
| 300,000 | 175,000 | 50,000 | Zheltoovsky | Kamchatka | | | | 16 | Leonov (2003) |
| 300,000 | 175,000 | 50,000 | Pauzhetka II | Kamchatka | | | | 25 | Melekestsev et al. (1974), Erlich (1986) |
| 3,000,000 | 1,525,000 | 50,000 | Paltsevsky | Kamchatka | | | | 16? | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 3,000,000 | 1,525,000 | 50,000 | Large caldera enclosing later Uzon-Ge | Kamchatka | | | | 48 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 3,000,000 | 1,525,000 | 50,000 | Large caldera enclosing a suite of later | Kamchatka | | | | 50 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 3,000,000 | 1,525,000 | 50,000 | A large caldera including Ksudach | Kamchatka | | | | ~35 | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 3,000,000 | 1,525,000 | 50,000 | Pauzhetka I | Kamchatka | | | | ~40 | Melekestsev et al. (1974), Erlich (1986) |
| 1,810,000 | 910,000 | 10,000 | Ketoi | Kamchatka | | | | 5 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Urataman | Kamchatka | | | | 8 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Tien-Chi (Changpaishan) | Kamchatka | | | | 5 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| Unknown | | | Chirpoi | Kamchatka | | | | 9 | Newhall and Dzurisin (1988) |
| Unknown | | | Medvezhii | Kamchatka | | | | 8 | Newhall and Dzurisin (1988) |
| Unknown | | | Rasshua | Kamchatka | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Zavaritsky (Veer) | Kamchatka | | | | 10 | Newhall and Dzurisin (1988) |
| | | | | | | | | | |
| | | | Kidnappers Flow | New Zealand | | | | | www.volcano.group.cam.ac.uk/database/caldera-results.xls |
| 350,000 | 175,000 | 0 | Haroharo, Okataina complex | New Zealand | | | | 20 | Newhall and Dzurisin (1988), Hodgson and Nairn (2004) |
| 1,810,000 | 910,000 | 10,000 | Taupo | New Zealand | | | | 35 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Rotorua | New Zealand | | | | 22 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Karkar | Papua New Guinea | | | | 55 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Dakataua | Papua New Guinea | | | | 135 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Witori | Papua New Guinea | | | | 7 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Lolobau Island | Papua New Guinea | | | | 55 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Long Island (Lake Wisdom) | Papua New Guinea | | | | 125 | Newhall and Dzurisin (1988) |
| Unknown | | | Umboi (Talo) | Papua New Guinea | | | | 17 | Newhall and Dzurisin (1988) |
| Unknown | | | Tofua | Tonga | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | Niuafu'ou | Tonga | | | | 5 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Ambrym | Vanuatu | | | | 12 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Aoba | Vanuatu | | | | 6 | Newhall and Dzurisin (1988) |

| Oldest Age Years BP | Ave Age Years BP | Young Age Years BP | Volcano (OR GEOLOGIC AGE) | Location | Deposit (OR GEOLOGIC EVENT) | VEI | Volume km3 | Caldera Diam, km | Reference (WEB1-WEB5 abbreviations expanded at the end) |
|------------------------|---------------------|-----------------------|---------------------------|------------------|--|-----|---------------|---------------------|---|
| Unknown | | | Gaua Island | Vanuatu | | | | 9 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Aniakchak | Alaska | | | | 10 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Emmons Lake (Pavlof) | Alaska | | | | 18 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Fisher | Alaska | | | | 18 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Okmok | Alaska | 2 calderas 10 x 10 km from two eruptions | | | 10 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Veniaminof | Alaska | | | | 11 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Little Sitkin | Alaska | | | | 5 | Newhall and Dzurisin (1988) |
| 1,810,000 | 910,000 | 10,000 | Ugashik (Peulik) | Alaska | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Kanaton (Kanaga) | Alaska | | | | 6 | Newhall and Dzurisin (1988) |
| Unknown | | | Semisopochnoi (Cerberus) | Alaska | | | | 8 | Newhall and Dzurisin (1988) |
| Unknown | | | Tanaga | Alaska | | | | 11 | Newhall and Dzurisin (1988) |
| Unknown | | | Wrangell | Alaska | | | | 15 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Kilauea | Hawaii | | | | 5 | Newhall and Dzurisin (1988) |
| 10,000 | 5,000 | 0 | Mauna Loa | Hawaii | | | | 8 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Haleakala (Maui) | Hawaii | | | | 95 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Koolau (Oahu) | Hawaii | | | | 15 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Palwai (Lanai) | Hawaii | | | | 6 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | East Molokai | Hawaii | | | | 5 | Newhall and Dzurisin (1988) |
| 2,590,000 | 1,295,000 | 0 | Kahoolawe | Hawaii | | | | 5 | Newhall and Dzurisin (1988) |
| Unknown | | | North Pagan | Marianna Islands | | | | 7 | Newhall and Dzurisin (1988) |
| | | | | | | | | WEB1 | www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm |
| | | | | | | | | WEB2 | ftp.ncdc.noaa.gov/pub/data/paleo/icecore/greenland/summit/gisp2/chem/volcano.txt |
| | | | | | | | | WEB3 | www.volcano.si.edu/world/allnames.htm |
| | | | | | | | | WEB4 | volcano.und.edu/vwdocs/volc_images/img_mhysyu_kuttyaro.html |
| | | | | | | | | WEB5 | www.vianica.com/go/specials/9-nicaragua-volcanoes.html |