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Revised Classification of Terrestrial
Volcanoes and Catalog of Topographic
Dimensions, With New Results on
Edifice Volume

by

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This report is preliminary and has not
been reviewed for conformity with
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ABSTRACT

A 1978 revision of Alfred Rittmann's 1936 classification of volcanoes is further augmented. Cratered terrestrial edifices now are divided into 25 relatively distinct types. The acircular crater formed in the May 1980 eruption of Mount St. Helens is diagnostic of one of the newly created classes. Five topographic measurements -- height; flank width; and diameter, depth, and circularity of the summit depression -- are presented for 697 terrestrial volcanoes and for 33 probable volcanoes on the Moon and Mars (six additional classes). Calculated averages of circularity and edifice volume partition the 31 classes of volcanoes into eight genetic categories.

Introduction

This report presents a revised classification of central volcanic edifices on Earth (Table 1), an updated listing of five topographic dimensions for each of 730 volcanoes (Tables 2, 3, and 4), and new estimates of volumes for each class (Table 5). Although both classification and data appeared recently in their original form (Pike, 1978), the additions and changes that have been made since publication prompted the updated version presented here. Moreover, the increasing attention accorded volcanoes by earth scientists suggests that this material should be made available in a source more accessible to non-planetary specialists. Finally, the data listing by volcano class (Table 2) is supplemented by an alphabetized listing (Table 4) for convenience in reference.

Two new categories have been added to Table 1 and two old classes have been subdivided: Stratocones with amphitheater (Class SCL) have been broken out of calcalkalic stratocones with summit crater (Class SC). Class SCL reflects increasing recognition of the importance of violent lateral eruptions in shaping calcalkalic stratovolcanoes such as Mount St. Helens (before the May 18, 1980 eruption, Mount St. Helens was a typical Class SC volcano; measurements for both configurations appear in the tables). Seamounts (Class KO) represent quantitative topographic results of recent advances made in charting the sea floor (Hollister and others, 1978). Much larger undersea volcanoes still remain to be mapped in sufficient detail for inclusion in the tables. Caldera-bearing lava shields of tholeiitic basalt (old Class KT) now are subdivided into classes KTH (Hawaiian volcanoes), KTG (Galapagos volcanoes), and KTU (locale varied) (see Figure 8 in Pike, 1978). Additionally, caldera-bearing lava shields of alkalic or mixed basalts (old Class KM) are divided into continental (Class KMA) and oceanic (Class KMM) volcanoes in recognition of some systematic contrasts in overall morphology (see Table 1).

Although extraterrestrial volcanoes are not emphasized here, data for 18 probable lunar volcanoes and 15 volcanoes on Mars are presented in Tables 3 and 4. Details on their classification recently have been reviewed by Pike (1980) and by Greeley and Spudis (1981). Eighteen lunar entries in Pike (1980) are omitted here, because either the features are not volcanoes or their measurements are inaccurate. As yet no reliable topographic data are available for the great calderas on Io (Schaber, 1980), and cratered volcanic edifices that can be readily measured have not been identified with certainty

on Venus (Phillips and others, 1981). The number of terrestrial volcanoes given in Tables 2 and 4 has increased to 697 from the 641 listed in Pike (1978). A statistical treatment and analysis of the revised data set, which extends the preliminary results reported by Pike (1978), will be published separately (e.g., Pike and Clow, 1981). A sample of the new results, volumetric calculations for all 31 classes, is given at the end of this report.

Classification

Some systematic grouping of volcanoes is required if the topographic effects of contrasting volcanic processes and events are to be examined statistically. There is no ideal way to classify volcanoes; to some extent any "class" is a subjectively erected field within a broader continuum of variables, and clear-cut "natural" groupings of volcanoes are rare. The classification arrived at here (Table 1) is an expanded version of that devised initially in 1936 by Rittmann (1962; English translation of second (1960) German edition), which groups volcanic landforms by type of edifice and physical or chemical composition of erupted material (see also Suzuki, 1977). The 25-class break-down in Table 1 evolved from the threefold, tenfold, and twentyfold schemes used previously in numerical comparisons of landforms on the Earth, the Moon, and Mars (Pike, 1972; 1978; and 1980). The classification is not necessarily in final form, but provides a good sampling of the diversity among the Earth's volcanoes (Katsui, 1971; Simkin and others, 1981).

Table 1 includes most recognized varieties of polygenetic (first 15) and monogenetic (last 10) central volcanoes with summit depressions. Anomalous edifices that do not fit the classification or that have been severely degraded or otherwise changed are omitted from the compilation. Some of the anomalies are listed in Tables 2 and 4 under category "U". The dominant lithology indicated for each class in Table 1 is tentative. The relative abundances of different rocks for specific edifices within each class vary considerably, and reliable percentages of the constituent rock types are known for very few of the 697 edifices in the listing. In general, shields are basaltic lava, stratocones are either andesitic or trachytic lava and tephra -- with variable contributions of basalt and either phonolite or rhyolite and dacite, and the ash-flow plains are largely rhyolitic or trachytic. Most smaller edifices comprise mainly basaltic lava or tephra.

Measurement

The topographic measurements made for each volcano are those used previously for characterizing impact craters on the planets (Baldwin, 1963; Ronca and Salisbury, 1966). The requirement that a descriptive variable both apply to many classes of volcanoes and be obtainable from source materials that differ substantially in quality restrict measurements to the four most general and basic dimensions of a volcano's profile. Figure 1 defines the dimensions as height of the crater rim above prevolcano datum; width of the flank, from edge of the summit crater to base of the edifice, usually but not always, marked by a perceptible break in terrain slope or the limits of continuous eruption products; and depth and diameter of the summit depression. Basal diameter of the edifice (e.g., Porter, 1972), which includes both flank width and crater diameter, is not treated here as a fundamental dimension.

The fifth variable, which measures the degree of radial symmetry of the summit depression, is the only quantity that describes a planimetric aspect of the edifice. The simple index of circularity used here is defined as the area of an inscribed circle, fitted to the rim crest of the crater, divided by the area of a circumscribed circle. Tablemountains, which have a compound flank, differ from the other 24 classes in that two different values of width and height (added together in the tables) were measured for each edifice.

Accuracy of the measurements is commensurate with quality of the sources and hence is not uniform. Modern maps and aerial photographs were consulted in preference to verbal descriptions and sketch maps, but some of the data came from small-scale contour maps and are subject to revision (indicated by "1" under "NB" in the tables). The four basic dimensions (Figure 1) are averages or medians rather than the maximum values usually reported in the older literature. Width of the flank is the most subjective measurement, and diameter of the crater is the least subjective. All data describe the present topographic form, except occasionally where fault traces were used to approximate the rims of eroded calderas, where heights and flank widths of overlapping volcanic piles have been estimated from volumetric information, or where the depth of a lake within a crater is not known accurately. Nested, intersecting, or otherwise multiple volcanoes are excluded from the sample except where the form of individual edifices could be distinguished well enough to obtain satisfactory data.

The Data

The 697 volcanoes in Table 2 are listed by class (Table 1) and then by geography. Table 4 is simply an alphabetized array of Table 2 plus the 33 extraterrestrial volcanoes in Table 3. Information is arranged in nine columns (see key accompanying tables). The four linear dimensions are, as well as can be determined, averages; maximum and minimum figures were purposely avoided. Thus some of the data disagree with previously published values. For example, Katmai caldera averages about 600 m deep (including depth of the lake); the 915 m depth sometimes encountered in the literature is the maximum figure and reflects the exceedingly irregular rim crest. Mount St. Helens is a similar case. Although the overall bias throughout this data set is toward fresher landforms, volcanoes in each class vary considerably in age, maturity of form, and state of degradation. The heterogeneity reflects the sole criterion for inclusion of an edifice in the survey: simply being able to obtain a fair approximation of the five topographic variables. At this time, no attempt has been made to stratify the sample by degree of freshness, as has been done in compilations of data for impact craters on the Moon (e.g., Baldwin, 1963; Wood and Andersson, 1978; Pike, 1980). Inevitably, the assignments of specific volcanoes to certain classes will not please everyone, and perhaps more of them should have been left in the "Unclassified" category. Certainly further revisions will be necessary as more volcanoes are studied in greater detail.

Measurements in Tables 2-4 generally are given to a precision that accords with accuracy of the raw data. The sources, which include hundreds of aerial photographs, topographic maps, and published reports, are at best uneven and the "1" in the "NB" column only hints at the many problems encountered in attempting to secure reasonably accurate data from such diverse

materials. Occasionally two or even three separate sources were required for one edifice, for example in the case of very large volcanoes the IAVCEI Catalog for data on the summit depression and a 1:1,000,000 ONC (Operational Navigation Chart) for height and breadth of the edifice. Mistakes inevitably find their way into a numerical listing of the magnitude and detail undertaken here even when, as in this case, all measurements were made by one individual and photographed directly from a computer listing that was repeatedly updated. Although every effort has been made to assure that the data are correct, errors almost certainly remain and are the responsibility of the first author. Doubtful entries or outright mistakes that are found by users of this listing should be called to the author's attention so that corrected figures can be promptly published.

New Results

The systematic data published here have various applications in volcanology. Although a comprehensive analysis of the measurements will appear elsewhere (Pike and Clow, 1981), we assess here in a preliminary way one general result obtained from statistical treatment of the revised data set. Figure 2 shows the relation between log volume (m^3) of the volcanic edifice and rim-crest circularity of the summit depression (Table 5), two variables that were not analyzed in the previous report (Pike, 1978). Circularity values are arithmetic means for all volcanoes in each of the 31 classes. Volumes were not averaged from individual values for each volcano, but rather were calculated for each class from geometric means of diameter, depth, height, and width. The flank and crater slope-profiles used to compute the volumes were determined statistically from contour maps of representative volcanoes in each class (e.g. Tjia, 1969; Suzuki, 1975).

According to Figure 2, the relation between average edifice volume and average rim-crest circularity exhibits some systematic variations. Within the general scatter of the data, genetically related classes of volcanoes cluster into distinct groups. Tephra cones, stratovolcanoes, large shields, small shields, ash-flow plains, lunar volcanoes, and martian shields occupy seven different, nearly mutually-exclusive fields (although the standard deviations, not plotted here, indicate considerable overlap between some fields). The four remaining isolated points that do not readily fall within the seven clusters in Figure 2 -- pseudocrater, small seamount, lava dome, and strato-volcano with amphitheater (the Mount St. Helens class) -- are types of volcanoes that have highly individualistic modes of formation and resulting topographic characteristics. Three of the four isolated classes are related to clusters: pseudocrater to tephra cones, stratovolcano with amphitheater to the other stratovolcanoes, and small seamount to lava shields, probably the larger ones. Lava domes seem to be unique, and constitute an eighth genetic category. The volcanoes on the Moon and Mars occupy distinctly different fields than the terrestrial volcanoes with respect to volume and circularity, save for lunar domes, which resemble Icelandic lava shields in Figure 2.

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Table 1. Revised classification of terrestrial central volcanoes with summit depressions.

Class of Edifice*	ID	Examples**	Taxonomic Criteria and Remarks
POLYGENETIC VOLCANOES			
Stratocone, Crater Alkalic	SA	Stromboli Etna Mt. Erebus	Composite volcano; crater only enlarged conduit, less than 1.0 to 1.5 km across; proportions lava/tephra may be equal, but are highly variable. Trachyte, some basalt and phonolite.
	SC	Mayon Lassen Cotopaxi	As for SA, but rocks are mainly andesite, with some basalt, rhyolite and dacite.
Stratocone, Amphitheater	SCL	Mt. St. Helens Bezymianny	As for SC, but large horseshoe-shaped crater from directed lateral eruption engulfing much of summit.
Stratocone, Caldera Alkalic	KA	Mt. Elgon Tambora Faial	Composite volcano; caldera is major collapse depression much broader than conduit, and over 1.0 to 1.5 km across; proportions of lava and tephra may be equal, but are highly variable. Trachyte, some basalt and phonolite.
Calcalkalic	KC	Katmai Hakone Batur	As for KA, but rocks are mainly andesite, with some basalt, rhyolite, and dacite.
Silicic Stratocone, Caldera Alkalic	KAS	Lago di Bolsena Tarso Voon Fantale	Composite volcano; conspicuously more tephra than SA, SC, KA, and KC; tephra commonly is more silicic than lava. Trachyte and phonolite, with some basalt.
Calcalkalic	KCS	Crater Lake Krakatau	As for KAS, but rocks are mainly andesite and dacite, with rhyolite and some basalt.

Table 1. Revised classification of terrestrial central volcanoes with summit depressions...(Continued)

Class of Edifice*	ID	Examples**	Taxonomic Criteria and Remarks
Ash-flow Plain, Caldera Alkalic	AA	Ngorongoro Gadamsa	Voluminous sheets of ignimbrite around central caldera; may have resurgent dome; typically little lava. Mainly trachytic or phonolitic pumice.
Calcalkalic	AP	Yellowstone Aso Rotorua	As for AA, but much larger edifice and rocks mainly rhyolitic or dacitic ignimbrite; some called "Volcano-tectonic depressions."
Large Shield, Caldera Tholeiitic Basalt Hawaii	KTH	Kilauea Olokele	Shield volcano; caldera much broader than conduit. Olivine-free or olivine-poor basalts of the calcalkalic affinity; minimal tephra and perhaps non-tholeiitic basalt. Conspicuously larger than KTG and KTU; rift zones common on summit; caldera highly acircular.
Galapagos	KTG	Fernandina Alcedo	As for KTH, but more alkalic basalt and edifice smaller; circumferential ring-fractures conspicuous on summit.
Locale Varied	KTU	Niuafu'ou Karthala	As for KTG, but ring-fractures not necessarily well developed on summit.
Alkalic, Mixed Basalts Continental	KMA	Askja Medicine Lake	As for KTG and KTU, but smaller edifice. Mostly alkalic basalt or mixture of alkalic and tholeiitic basalts; tephra content variable but higher than KMM. Formed on land; lower, less steep edifice than KMM.
Oceanic	KMM	Aoba Ambrym	As for KTG and KTU, but smaller edifice. Mostly alkalic basalt or mixture of alkalic and tholeiitic basalts; tephra content low and variable. Emergent submarine shield; higher, steeper edifice than KMA.

Table 1. Revised classification of terrestrial central volcanoes with summit depressions....(Continued)

Class of Edifice*	ID	Examples**	Taxonomic Criteria and Remarks
Seamount	KO	East Seamount Pacific Basin-P	Small submarine shield volcano; summit depression probably small caldera. Tholeiitic basalt, with some alkalic basalt and alkalic differentiates.
MONOGENETIC VOLCANOES			
Lava Shield, Crater Icelandic	SI	Skjaldbreidur Whaleback	Conspicuously larger than SS or SL; basaltic lava with little (basaltic) tephra. Crater little more than enlarged vent or conduit.
Steep	SS	Mauna Ulu Mt. Hamilton	Conspicuously smaller than SI and much steeper than SL; basaltic lava with little (basaltic) tephra.
Low	SL	Mauna Iki Ketildyngja Grandview	Conspicuously smaller than SI and much less steep than SS; basaltic lava with little (basaltic) tephra.
Cinder Cone	C	Sunset Crater Puy de Pariou Paricutin	Scoria cone, tephra cone. Crater seldom intersects ground surface; collapse of crater very rare; basaltic tephra not saturated by water; minimal lava spatter. Usually larger than A.
Tuff Ring	T	Diamond Head Solfatara Hverfjall	Tuff cone. Rarely intersects ground surface but often may approach it; occasional collapse of crater; basaltic tephra, mostly water-saturated; much more juvenile material than in E.
Maar	E	Pulvermaar Ubehebe Tower Hill Basotu	Crater intersects ground surface, characteristically as a result of collapse; basaltic tephra, virtually all water-saturated; much less juvenile material than in T.

Table 1. Revised classification of terrestrial central volcanoes with summit depressions...(Continued)

Class of Edifice*	ID	Examples**	Taxonomic Criteria and Remarks
Cinder-spatter Cone	A	Capelinhos (inner cone) Lilewa	Smaller than C; crater may intersect ground surface; basaltic spatter and tephra, in varying relative proportions; more tephra in larger cones.
Lava Dome, Crater	D	Kameno Vouno Mikra	Mostly andesitic and dacitic lava; little tephra (same lithology); Mediterranean area.
Pseudocrater	P	Vesturhofdi Haey	Rootless cone of basaltic tephra within basaltic lava flow in Myvatn District of Iceland; tephra is water-saturated.
Tablemountain, Crater	M	Herdhubreidh Baejarfjall	Tuya. Steep-sided, characteristically flat-topped edifice of subaqueously deposited "moberg" surmounted by subaerial basaltic lava that may form low shield.

* Alkalic affinity: primarily basalts, trachytes, and phonolites; contain $<51\% \text{SiO}_2$, when $\text{Na}_2\text{O} + \text{K}_2\text{O}/\text{CaO} = 1$.

Calcalcalic affinity: primarily basalts, andesites, dacites, and rhyolites; contain 51% to 56% SiO_2 , when $\text{Na}_2\text{O} + \text{K}_2\text{O}/\text{CaO} = 1$.

** See Table 2 for location.

KEY

CLASS - CLASS OF VOLCANO

SA - STRATOCONE WITH SUMMIT CRATER ONLY: ALKALIC AFFINITY
SC - STRATOCONE WITH SUMMIT CRATER ONLY: CALC-ALKALIC AFFINITY
SCL - STRATOCONE WITH SUMMIT AMPHITHEATER: CALCALKALIC AFFINITY
KA - STRATOCONE WITH SUMMIT CALDERA: ALKALIC AFFINITY
KAS - STRATOCONE WITH CALDERA: ALKALIC AFFINITY, MORE SILICA & PYROCLASTICS
KC - STRATOCONE WITH SUMMIT CALDERA: CALC-ALKALIC AFFINITY
KCS - STRATOCONE WITH CALDERA: CALCALK. AFFINITY, MORE SILICA & PYROCLASTICS
AA - ASH-FLOW SHEET WITH CENTRAL CALDERA: ALKALIC AFFINITY
AP - ASH-FLOW SHEET WITH CENTRAL CALDERA: CALC-ALKALIC AFFINITY
KTH - OCEANIC SHIELD WITH CALDERA, PREDOMINANTLY THOLEIITIC LAVA: HAWAII
KTG - OCEANIC SHIELD WITH CALDERA, PREDOMINANTLY THOLEIITIC LAVA: GALAPAGOS
KTU - OCEANIC SHIELD WITH CALDERA, PREDOMINANTLY THOLEIITIC LAVA: LOCALE VAR
KMA - CONTINENTAL SHIELD WITH CALDERA: PREDOMINANTLY NONTHTOLEIITIC LAVA
KMM - OCEANIC SHIELD WITH SUMMIT CALDERA: PREDOMINANTLY NONTHTOLEIITIC LAVA
KO - SUBMARINE SHIELD (SEAMOUNT) WITH LARGE SUMMIT DEPRESSION (CALDERA)
SI - SHIELD VOLCANO WITH SUMMIT CRATER: ICELANDIC TYPE
SS - SHIELD VOLCANO WITH SUMMIT CRATER: SMALL, STEEP TYPE
SL - SHIELD VOLCANO WITH SUMMIT CRATER: LOW-SLOPING TYPE (SNAKE R. PLAIN)
C - CINDER CONE
T - TUFF RING, TUFF CONE
E - MAAR
A - CINDER-SPATTER CONE
D - LAVA DOME WITH SUMMIT DEPRESSION (MEDITERRANEAN)
P - "PSEUDOCRATER" (ICELAND)
M - CRATERED TABLEMOUNTAIN (ICELAND)

U - UNCLASSIFIED: OF MIXED OR UNSPECIFIED ORIGIN, OR INSUFFICIENT DATA

LC - CRATERED RAISED CONE ON THE MOON
LH - DARK-HALO CRATER ON THE MOON
LD - CRATERED DOME ON THE MOON
MM - MARTIAN MONS
MT - MARTIAN THOLUS
MP - MARTIAN PATERA

NAME - MAY INCLUDE SOME LOCATIONAL INFORMATION

LOCATION - EXACT COORDINATES IN "CATALOG OF ACTIVE VOLCANOES", OTHER SOURCES

NB - REMARKS

- 1 - ONE OR MORE DIMENSIONS UNCERTAIN AND SUBJECT TO REVISION
- 2 - HEIGHT AND WIDTH CALCULATED FROM VOLUMETRIC INFORMATION ONLY
- 3 - ESTIMATE OF LAKE DEPTH INCLUDED IN TOTAL CRATER DEPTH
- 4 - ISLAND VOLCANO: HEIGHT AND WIDTH DOWN TO SEA LEVEL ONLY

DIAM - AVERAGE DIAMETER OF CRATER RIM-CREST (METERS)

DEPTH - AVERAGE DEPTH OF CRATER FLOOR BELOW RIM CREST (METERS)

HEIGHT - AVERAGE HEIGHT OF RIM CREST ABOVE PRE-VOLCANO TOPOGRAPHIC DATUM (METERS)

WIDTH - AVERAGE WIDTH OF VOLCANO FLANK: RIM CREST TO EDGE OF EDIFICE (METERS)

CIRC. - CIRCULARITY OF RIM CREST: AREA INSCR. CIRCLE/AREA CIRCUMSCR. CIRCLE

Table 2. Topographic dimensions of 697 terrestrial volcanoes, by class.

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
SA	SUMACO	NO. ECUADOR	1	350.	100.	2500.	17000.	.56
SA	BATU TARA (KOMBA I.)	INDONESIA, FLORES		800.	345.	3600.	25000.	.60
SA	MATAVANU (SAMOAN IS.)	NE. SAVAII I.	1	275.	30.	500.	5000.	.65
SA	HEKLA	SO. CEN. ICELAND	1	340.	90.	1000.	10000.	.04
SA	FOGO (CENTRAL CONE)	CAPE VERDE IS.		500.	150.	1030.	2250.	.55
SA	QUEEN MARY'S PEAK	TRISTAN DA CUNHA		420.	60.	4900.	20000.	.70
SA	MT. EREBUS	ANTARCTIC, ROSS I		550.	160.	4290.	30000.	.55
SA	STROMBOLI	SO. ITALY	1	350.	75.	2950.	15000.	.37
SA	VESUVIUS (1944 CRATER)	ITALY (NAPLES)		500.	265.	1200.	8500.	.67
SA	ETNA (CENTRAL CRATER)	ITALY (SICILY)	1	500.	100.	3250.	25000.	.69
SA	ALE BAGU	ETHIOPIA, N. AFAR		600.	100.	1000.	12000.	.33
SA	MERU - INNER CONE	NE TANZANIA		206.	47.	425.	950.	.47
SA	OL DOINYO LENGAI	TANZANIA, N RIFT		600.	150.	1950.	7000.	.56
SA	KERIMASI	TANZANIA, N RIFT	1	500.	65.	1250.	7000.	.50
SA	KARISIMBI	E ZAIRE, W RIFT	1	375.	50.	2300.	12000.	.25
SA	ANNOBON IS.	GULF OF GUINEA	1	890.	100.	4600.	27000.	.64
SA	DJEBEL EL-ESI	ARABIA, SE YEMEN		150.	50.	480.	700.	.51
SA	DAMAVAND	NO. IRAN		275.	30.	2500.	12000.	.59
SC	SARYCHEV PEAK (MATUA I)	CEN KURILE IS.	1	250.	150.	1500.	4000.	.70
SC	ATSONPURI (S. ITURUP I.)	SO. KURILE IS.		525.	150.	1850.	3500.	.56
SC	YOTEI	JAPAN, SW HOKK.	1	730.	100.	1625.	6900.	.56
SC	IWATE (OMATI CRATER)	JAPAN, NO. HONSHU		500.	35.	1600.	5500.	.55
SC	ASAMA (KAMA-YAMA CR.)	JAPAN, CEN HONSHU		415.	250.	1400.	11000.	.75
SC	MT. FUJI	JAPAN, C. HONSHU	1	700.	100.	3700.	19000.	.62
SC	SAKURAJIMA	JAPAN, SO. KYUSHU		595.	120.	1125.	5000.	.55
SC	MT. MAYON	SE LUZON, P.I.	1	400.	75.	2300.	8000.	.75
SC	RUANG (1904) (SANGIHE)	N. INDONESIA	1	325.	150.	915.	10000.	.73
SC	AWU (N. SANGIHE ARCH.)	N. INDONESIA	1	1400.	446.	1410.	10000.	.43
SC	TERNATE (W. HALMAHERA)	N. INDONESIA	1	275.	82.	1895.	8000.	.64
SC	MAKIAN (W. OF HALMAHERA)	N. INDONESIA	1	1475.	365.	1325.	8000.	.52
SC	KLABAT (N. CELEBES)	N. INDONESIA		210.	30.	1995.	9000.	.44
SC	IBU (N.W. HALMAHERA)	N. INDONESIA	1	1100.	450.	1600.	6750.	.70
SC	SORIKMARAPI	NO. SUMATRA	1	600.	150.	1400.	10000.	.65
SC	KERINTJI	CEN. SUMATRA		590.	365.	2725.	14500.	.68
SC	KABA	S.W. SUMATRA		1060.	150.	1300.	13000.	.59
SC	DEMPO	S.W. SUMATRA	1	865.	300.	2300.	15000.	.46
SC	RADJABASA	S.E. SUMATRA		600.	118.	1215.	7500.	.48
SC	SLAMET	CEN. JAVA		430.	150.	3280.	21000.	.77
SC	SEMERU	EAST JAVA		575.	264.	3350.	22000.	.59
SC	KELUT	EAST JAVA	1	1750.	400.	1300.	25000.	.55
SC	LAMONGAN	EAST JAVA		335.	162.	1600.	10000.	.66
SC	AGUNG	INDONESIA, BALI		450.	120.	2300.	10000.	.52
SC	LEWOTOBI PERAMPUAN	INDONESIA, FLORES		365.	95.	1630.	7500.	.71
SC	INERI	INDONESIA, FLORES		220.	153.	1400.	5500.	.34
SC	SAKAR ISLAND	W. NEW GUINEA		1375.	325.	2000.	7500.	.71
SC	ULAWUN	NO. NEW BRITAIN		400.	80.	2250.	10000.	.52
SC	MERE LAVA	NO. NEW HEBRIDES		900.	200.	2000.	7000.	.42
SC	WHITE IS.	NO. NEW ZEALAND	1	700.	160.	625.	3700.	.50
SC	NGAURUHOE	NO. NEW ZEALAND		450.	116.	720.	1750.	.75
SC	MT. TONGARIRO (NORTH)	NO. IS., N.Z.	1	1070.	100.	1200.	11000.	.74
SC	MT. EGMONT	NO. NEW ZEALAND	1	300.	50.	2500.	25000.	.16
SC	VENT MT.	ALASKA PENINSULA		820.	150.	500.	2600.	.80
SC	MAGEIK VOLCANO	ALASKA PENINSULA		350.	100.	1550.	9000.	.44
SC	KOROVIN VOLCANO	ALEUTIAN I., ATKA		950.	400.	1400.	4275.	.52
SC	MT. VSEVIDOF	ALEUTIANS, UMNAK		1500.	275.	1930.	7500.	.78
SC	MT. EDGE CUMBE, SE ALASKA	KRUZOF I.		860.	133.	907.	5070.	.55
SC	MT. BAKER	USA, NO. WASH.	1	675.	180.	2500.	13000.	.53
SC	MT. RAINIER	USA, S.W. WASH.	1	350.	100.	2440.	9000.	.74
SC	MOUNT ST. HELENS 4/1980	SO. WASH., USA	1	425.	150.	1500.	5200.	.40
SC	LASSEN PEAK	USA, NO. CALIF.	1	450.	110.	1380.	11500.	.40

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
SC	POPOCATEPETL	CEN. MEXICO		506.	420.	3000.	17500.	.43
SC	COLIMA	W. MEXICO	1	350.	60.	3350.	27500.	.75
SC	CITLALTEPETL	E. MEXICO		500.	300.	3400.	15000.	.73
SC	AGUA	GUATEMALA		290.	40.	2580.	9500.	.76
SC	ARENAL	CEN. COSTA RICA	1	120.	30.	1050.	3000.	.50
SC	POAS	COSTA RICA		1250.	250.	1900.	17000.	.59
SC	SAN SALVADOR	CEN. EL SALVADOR		1650.	485.	1300.	7000.	.82
SC	IZALCO	W. EL SALVADOR		186.	32.	665.	1350.	.79
SC	LAS PILAS	W. NICARAGUA		600.	120.	750.	5000.	.66
SC	SOUFRIERE (ST. VINCENT)	WINDWARD I. CARIB		1460.	618.	2000.	9500.	.66
SC	MT. MISERY (ST. KITTS)	LEEWARD I. CARIB.		890.	280.	1180.	6075.	.58
SC	THE QUILL (ST. EUSTATIUS)	LEEWARD I. CARIB.		760.	215.	690.	4600.	.62
SC	CUMBAL	SO. COLOMBIA	1	225.	100.	1750.	11000.	.64
SC	TUNGURAHUA	NO. ECUADOR	1	400.	140.	2400.	6000.	.56
SC	REVENTADOR *	NO. ECUADOR		1050.	300.	2400.	14500.	.82
SC	COTOPAXI (1903 CRATER)	NO. ECUADOR		625.	215.	2500.	11500.	.61
SC	LLAIMA	CENTR. CHILE		275.	100.	1200.	5000.	.33
SC	FOSSA DELLE FELCI	ISOLA DI SALINA	1	555.	75.	2050.	11000.	.67
SCL	SHIVELUCH (1964 CRATER)	CEN. KAMCHATKA	1	2250.	500.	2700.	14000.	.27
SCL	BEZYMANNY (1956)	E-CEN. KAMCHATKA	1	1750.	800.	1400.	6500.	.38
SCL	MT. LAMINGTON	S.E. PAPUA	1	1200.	550.	1450.	14500.	.52
SCL	MOUNT ST. HELENS 5/1980	SO. WASH., USA	1	2750.	850.	1020.	4000.	.28
SCL	HONDON DE GALERAS	SO. COLOMBIA	1	4500.	900.	1500.	10000.	.25
SCL	C. NEGRO DE MAYASQUER	NO. ECUADOR	1	1200.	800.	1100.	8500.	.36
KA	T'JEN CH'IH (PAEKTUSAN)	SO. MANCHURIA	1	5750.	715.	1350.	22000.	.59
KA	TAMBORA CALDERA	INDONES., SUMBAWA	1	6500.	700.	2500.	21000.	.63
KA	GAUA IS. (SANTA MARIA)	NO. NEW HEBRIDES	1	7000.	150.	2100.	40000.	.54
KA	MAYOR ISLAND	NO. NEW ZEALAND		2900.	200.	575.	4050.	.63
KA	SOCORRO ISLAND	E. PACIFIC RISE	1	3800.	100.	3600.	22000.	.51
KA	CALDERA DEL PIANO	VOLCANO I., ITALY		2675.	100.	1750.	11000.	.66
KA	CALDERA DELLA FOSSA	VOLCANO I., ITALY	1	3600.	175.	1525.	10500.	.60
KA	GRACIOSA CALDERA	AZORES IS.		1210.	180.	1325.	7000.	.35
KA	CORVO CALDERA	AZORES IS.		2050.	260.	2150.	9000.	.60
KA	FAIAL CALDERA	AZORES IS.		2000.	465.	2300.	14000.	.67
KA	POVOACAO CALDERA	AZORES IS.	1	6500.	450.	2100.	20000.	.73
KA	AGUA DE PAU (AZORES I)	SAO MIGUEL I.		3000.	150.	2250.	21000.	.62
KA	SETE CIDADES (AZORES I)	SAO MIGUEL I.	1	5500.	330.	2000.	17000.	.67
KA	FURNAS (AZORES I)	SAO MIGUEL I.		6000.	300.	2000.	20000.	.77
KA	CINCO PICOS (AZORES I)	TERCEIRA I.	1	7000.	100.	1450.	17000.	.79
KA	ST. BARBARA (AZORES I)	TERCEIRA I.		2100.	100.	2000.	15000.	.44
KA	VIEJO (TENERIFE)	CANARY IS.	1	750.	125.	1000.	4000.	.69
KA	FOGO	CAPE VERDE IS.		9000.	600.	4000.	21000.	.64
KA	SAN CARLOS (FERN. POO)	GULF OF GUINEA		5250.	900.	2000.	15000.	.68
KA	PICO BIAO	FERNANDO POO	1	1550.	250.	1250.	7250.	.68
KA	MONTS MANENGOUBA	NW. CAMEROON		3900.	375.	1200.	12000.	.66
KA	DERIBA (S. JEBEL MARRA)	W. SUDAN	1	8000.	750.	1750.	26000.	.50
KA	ALID	CEN. ERITREA		2300.	100.	575.	8850.	.45
KA	NABRO (BIDU PILE, NO.)	ERITREA	1	8900.	400.	1700.	20000.	.53
KA	SORKALE	ETHIOPIA-ERITREA	1	1200.	125.	725.	2650.	.64
KA	MALLAHLE (BIDU SO-CEN)	ERITREA	1	5750.	400.	1400.	20000.	.65
KA	A'ABIDA	ETHIOPIA C. RIFT		3875.	525.	825.	9000.	.52
KA	DAMA ALE	ETHIOPIA C. RIFT		2200.	315.	650.	8500.	.69
KA	MA'ALALTA (P. PRUVOST)	ETHIOPIA C. RIFT		3200.	275.	800.	6500.	.49
KA	DIDOLI	ETHIOPIA C. RIFT		3000.	400.	1000.	7500.	.71
KA	ZUQUALLA	C. ETHIOPIA RIFT	1	1400.	100.	1100.	5300.	.75
KA	CILALLO	C. ETHIOPIA RIFT		4700.	75.	1500.	16000.	.59
KA	DONDI	ETHIOPIA, W. PLAT	1	7000.	260.	900.	13000.	.49
KA	WONJI	ETHIOPIA, W. PLAT	1	6000.	380.	1200.	20000.	.56
KA	NYIRAGONGO	E ZAIRE, W RIFT		1200.	340.	1660.	10000.	.74
KA	NAGARAMASAINIA	NO. KENYA		3220.	125.	600.	7500.	.62
KA	EMURUNGOGOLAK (II)	NO. KENYA RIFT	1	4100.	75.	700.	10500.	.58
KA	MT. ELGON	S KENYA-E UGANDA		7900.	360.	2260.	30000.	.49
KA	KILIMANJARO (KIBO CR.)	N.W. TANZANIA		2650.	50.	4700.	25000.	.56

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
KA	MERU	NE TANZANIA	1	5900.	530.	2500.	17000.	.37
KA	NGURDOTO	NE TANZANIA	1	2700.	150.	400.	5000.	.50
KA	ELANAIROBI	TANZANIA, N. RIFT	1	8000.	300.	1500.	13500.	.49
KA	OLOLMOTI	TANZANIA, N. RIFT		6750.	200.	1750.	13000.	.64
KA	RUNGWE	SW TANZANIA		4350.	150.	950.	5300.	.51
KA	NGOZI	SW TANZANIA		3250.	375.	1000.	7900.	.54
KA	JEBEL KHARIZ	SW ARABIA (ADEN)	1	5000.	500.	900.	10000.	.69
KA	PAYUN-MATRU	W. CEN. ARGENTINA		8500.	160.	2000.	28000.	.56
KA	BOUVET ISLAND	SO. ATLANTIC OC.	1	4625.	250.	2700.	41000.	.50
KA	COULMAN (ANTARCTICA)	ROSS SEA COAST		6100.	700.	2700.	17000.	.71
KA	MT. HAMPTON (ANTARCTICA)	MARIE BYRD LAND	1	5620.	250.	900.	9200.	.59
KA	MT. CUMMING (ANTARCTICA)	MARIE BYRD LAND	1	4100.	100.	350.	8000.	.78
KA	MT. SIDLEY (ANTARCTICA)	MARIE BYRD LAND	1	4600.	500.	1500.	9200.	.76
KA	MT. FLINT (ANTARCTICA)	MARIE BYRD LAND	1	3000.	150.	900.	8000.	.70
KA	ANDRUS (ANTARCTIC)	MARIE BYRD LAND	1	4500.	200.	1300.	6800.	.68
KA	MT. FRANKS (ANTARCTIC)	MARIE BYRD LAND	1	2440.	100.	1850.	9800.	.48
KA	MOULTON (ANTARCTICA)	MARIE BYRD LAND	1	4500.	200.	1100.	9000.	.70
KA	BURSEY (ANTARCTICA)	MARIE BYRD LAND	1	5000.	200.	1100.	11000.	.50
KAS	LAGO DI BOLSENA	ITALY, LATIUM		17700.	325.	350.	18000.	.59
KAS	ROCCAMONFINA	ITALY, LATIUM		5750.	140.	690.	8000.	.66
KAS	ARTEMISIO CALDERA	ITALY, LATIUM		10500.	204.	650.	15000.	.65
KAS	LAGO DI VICO	ITALY, LATIUM		7350.	260.	510.	14000.	.55
KAS	LAGO DI BRACCIANO	ITALY, LATIUM		11000.	275.	100.	10000.	.64
KAS	MONTE SOMMA (VESUVIUS)	ITALY, NAPLES	1	3700.	500.	850.	7000.	.65
KAS	PANTELLARIA	TUNIS-SICILY STR		6100.	100.	1250.	13500.	.64
KAS	TARSO TOUSSIDE	CHAD, TIBESTI MT	1	14000.	300.	1150.	25000.	.70
KAS	TARSO YEGA	CHAD, TIBESTI MT	1	18500.	440.	1400.	22000.	.65
KAS	TARSO VOON	CHAD, TIBESTI MT	1	16000.	500.	1300.	21000.	.60
KAS	TARSO TOON	CHAD, TIBESTI MT	1	10000.	200.	700.	15000.	.65
KAS	EMI KOUSSE	CHAD, TIBESTI MT		12500.	500.	2300.	26000.	.62
KAS	FANTALE	ETHIOPIA RIFT		3875.	375.	900.	7500.	.37
KAS	KUFENA (NAME PROV.)	ETHIOPIA, W. PLAT		9875.	280.	560.	12000.	.63
KAS	SENGIYA/TEMBERO (PROV)	ETHIOPIA, W. PLAT		7200.	180.	930.	10000.	.59
KAS	AMBERICHO (NAME PROV)	ETHIOPIA, W. PLAT	1	4940.	200.	450.	5000.	.63
KAS	LONGONOT	KENYA, SO. RIFT		1825.	295.	540.	2960.	.51
KAS	SILALI (LOPOKINO)	KENYA, CEN. RIFT		6600.	250.	475.	8500.	.42
KAS	SILVER PEAK CALDERA	USA, SW. NEVADA	1	10500.	300.	1000.	10000.	.34
KC	KRASHENNIKOV CALDERA	E-CEN. KAMCHATKA	1	9000.	350.	600.	9000.	.67
KC	UZON CALDERA	E-CEN. KAMCHATKA	1	11000.	250.	600.	12000.	.48
KC	PLOSKY TOLBACHIK (1977)	CEN. KAMCHATKA	1	3800.	410.	2700.	10500.	.58
KC	KSUDACH CALDERA	SO. KAMCHATKA		8000.	400.	900.	12000.	.59
KC	KUNTOMINTAR (SHIASHKO)	NO. KURILE IS.	1	2100.	400.	910.	5850.	.72
KC	KETOI IS. CALDERA	CEN. KURILE IS.		2750.	300.	1115.	8400.	.67
KC	TIATIA (KUNASHIR I.)	SO. KURILE IS.		2250.	70.	1400.	7000.	.64
KC	USUDAKE CALDERA	JAPAN, S. HOKKAIDO		1850.	80.	500.	2830.	.61
KC	AKAGI	JAPAN, C. HONSHU		3250.	200.	1100.	10500.	.39
KC	HAKONE CALDERA	JAPAN, SE HONSHU	1	10000.	400.	1000.	10000.	.51
KC	MAUG IS. CALDERA	NO. MARIANA IS.	1	2400.	400.	2350.	12000.	.71
KC	AGRIHAN IS.	CEN. MARIANA IS.		2200.	400.	3350.	22000.	.55
KC	NORTH PAGAN	CEN. MARIANA IS.	2	6000.	150.	2150.	21000.	.51
KC	SOUTH PAGAN	CEN. MARIANA IS.	2	3000.	200.	2200.	23000.	.48
KC	ANATAMAN	CEN. MARIANA IS.	1	3700.	200.	2800.	18000.	.25
KC	TAAL CALDERA (NEW)	CEN. LUZON, P.I.		2100.	330.	370.	4500.	.56
KC	SEKINTJAU BELIRANG	S.W. SUMATRA	1	2250.	345.	885.	8000.	.60
KC	MT. TUDJUH	W. CENTR SUMATRA	1	6500.	320.	1400.	7750.	.50
KC	SUNDA CALDERA	WEST JAVA		7500.	250.	1250.	18000.	.43
KC	TENGGER CALDERA	INDONES., E. JAVA	1	10500.	300.	2130.	17500.	.55
KC	BATUR CALDERA	INDONESIA, BALI	1	10500.	470.	1450.	20000.	.56
KC	BRATAN CALDERA	INDONESIA, BALI	1	8600.	200.	800.	15000.	.37
KC	SEGERA CALDERA	INDONESIA, LOMBOK	1	8500.	425.	2460.	30000.	.40
KC	WAI SANO	INDONES, W. FLORES		3000.	220.	840.	7000.	.51
KC	TELAGA RANU (MALNAHERA)	INDONES, MOLUCCAS		2400.	345.	890.	9500.	.59
KC	SIRUNG	INDONES, PANTAR I		1750.	200.	600.	5500.	.56

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
KC	KARKAR CALDERA	N.E. NEW GUINEA		3200.	340.	2100.	17500.	.73
KC	GAROVE ISLAND	NO. NEW BRITAIN		5750.	300.	1775.	10000.	.72
KC	BILLY MITCHELL VOLCANO	CEN. BOUGAINVILLE	1	2400.	500.	750.	9000.	.44
KC	TOFUA IS. CALDERA	TONGA IS.		5300.	500.	2100.	13000.	.63
KC	RUAPEHU	NO. NEW ZEALAND		3000.	250.	1850.	16000.	.48
KC	NEMRUT DAGI (N. GOLU)	E. TURKEY		7000.	600.	1330.	11500.	.53
KC	KATMAI	ALASKA (SW)		3600.	600.	1000.	6000.	.37
KC	KAGUYAK VOLCANO	ALASKA PENINSULA	1	3000.	350.	1780.	3500.	.49
KC	VENIAMINOFF	ALASKA PENINSULA	1	8800.	350.	1750.	21000.	.60
KC	ANIAKCHAK CALDERA	ALASKA PENINSULA		10800.	480.	930.	15000.	.72
KC	PURPLE (BLACK PEAK)	ALASKA PENINSULA		3100.	160.	700.	8950.	.52
KC	OKMOK CALDERA	ALEUT. I., UMNAK		11000.	450.	855.	13000.	.63
KC	HERBERT ISLAND VOLCANO	ALEUTIANS, AMUTKA		2100.	250.	1160.	6000.	.79
KC	MAKUSHIN CALDERA	ALEUT., UNALASKA	1	2800.	750.	1200.	11000.	.56
KC	TOLUCA	MEXICO, CEN.	1	2300.	200.	1800.	14000.	.37
KC	CHINAMECCA	SE. EL SALVADOR		2300.	280.	600.	7000.	.70
KC	COSEGUINA	N.W. NICARAGUA		2640.	550.	860.	10000.	.57
KC	NAMA-JAROMA (PROV)	NO. CHILE	1	6750.	500.	1400.	10500.	.47
KCS	TAO-RUSYR (ONEKOTAN I.)	NO. KURILE IS.		7550.	575.	680.	11500.	.72
KCS	NEMO (ONEKOTAN I.)	NO. KURILE IS.	1	8500.	350.	550.	9000.	.56
KCS	URATMAN (SIMUSHIR I.)	CEN KURILE IS.	1	7170.	540.	480.	6350.	.70
KCS	ZAVARITSKY 3 (SIMUSHIR)	CEN KURILE IS.		3100.	390.	350.	2500.	.52
KCS	URBICH (ITURUP I.)	SO. KURILE IS.	1	6450.	470.	570.	7000.	.70
KCS	GOLOVNIN (KUNASHIR I.)	SO. KURILE IS.	1	4750.	330.	400.	5500.	.54
KCS	KUTTARA	JAPAN, SW HOKK.		3300.	450.	450.	3000.	.69
KCS	MASHU CALDERA	JAPAN, E HOKKAIDO		6500.	450.	425.	9000.	.52
KCS	KAMUINUPURI (ON MASHU)	JAPAN, E HOKKAIDO		1500.	370.	570.	1250.	.68
KCS	TOWADA CALDERA	JAPAN, N. HONSHU	1	10000.	500.	750.	18000.	.70
KCS	OSOREYAMA	JAPAN, N. HONSHU	1	6100.	300.	500.	6500.	.54
KCS	MANINDJAU LAKE CALDERA	CENTRAL SUMATRA		18000.	1000.	1050.	19000.	.28
KCS	IDJEN CALDERA	INDONES., E. JAVA		17000.	570.	1500.	21000.	.55
KCS	TOMPO-MALANG	WEST JAVA	1	3050.	275.	500.	2500.	.75
KCS	KRAKATAU (1883 CALDERA)	INDONES., SUNDA	1	8500.	400.	200.	7500.	.30
KCS	MARGY (GALLOSUELO)	NE NEW BRITAIN	1	11750.	250.	300.	7000.	.55
KCS	DAKATAUA (BENDA, TALASEA)	NO. NEW BRITAIN		10600.	420.	1100.	20000.	.59
KCS	LONG ISLAND	N.E. NEW GUINEA		12800.	575.	1700.	18000.	.54
KCS	WITORI (PAGO, BANGO)	CEN NEW BRITAIN		7000.	150.	200.	7000.	.50
KCS	RABAU CALDERA	NE NEW BRITAIN	1	12300.	350.	370.	11000.	.43
KCS	SANTORIN (THERA)	SO. AEGEAN SEA		10500.	600.	700.	10000.	.32
KCS	NISYROS	SE. AEGEAN SEA		3600.	300.	675.	5700.	.76
KCS	SEMISOPOCHNOI	ALEUTIAN IS.	1	9000.	600.	750.	15000.	.66
KCS	FISHER CALDERA	ALASKA, UNIMAK I.	1	14250.	315.	440.	13000.	.37
KCS	CRATER RIDGE, SE ALASKA	KRUZOF I.		2220.	340.	430.	3390.	.50
KCS	CRATER LAKE	USA, SW. OREGON		9750.	925.	900.	13600.	.61
KCS	LAGUNA DE AYARZA	S.W. GUATEMALA	1	6150.	735.	600.	10000.	.44
KCS	LAKE COATEPEQUE	W. EL SALVADOR		8750.	500.	1000.	6000.	.36
KCS	LAS LAJAS CALDERA	W. NICARAGUA	1	6700.	300.	400.	7500.	.64
KCS	APOYEQUE	W-CEN. NICARAGUA	1	3800.	300.	400.	5000.	.60
KCS	AZUFRAL DE TUQUERRES	SO. COLOMBIA	1	2750.	300.	1000.	9600.	.69
KCS	QUILTOA	NO. ECUADOR	1	3500.	450.	1000.	3500.	.65
KCS	DECEPTION ISLAND	SO. SHETLAND IS.		10300.	450.	775.	14000.	.59
AA	CORBETTI CALDERA	ETHIOPIA, C. RIFT	1	15000.	210.	260.	10000.	.45
AA	GADAMSA CALDERA	ETHIOPIA, C. RIFT	1	8500.	160.	280.	5000.	.46
AA	GARIBOLDI PASS CALDERA	ETHIOPIA, C. RIFT		6200.	190.	315.	7650.	.47
AA	O'A (L. SHALA) CALDERA	ETHIOPIA, C. RIFT	1	17500.	400.	150.	9000.	.49
AA	NGORONGORO	TANZANIA, N RIFT		22000.	500.	800.	12000.	.57
AA	KILOMBE	SW KENYA, E. RIFT	1	2650.	190.	250.	1900.	.40
AA	SUSWA CALDERA	KENYA, CEN. RIFT		9500.	235.	315.	5250.	.42
AA	MENENGAI CALDERA	KENYA, CEN. RIFT	1	10000.	150.	200.	7500.	.41
AA	BLACK MOUNTAIN CALDERA	USA, SW. NEVADA		12000.	150.	200.	12000.	.47
AP	KUTCHARO CALDERA	JAPAN, N. HOKKAIDO	1	24000.	550.	600.	20000.	.49
AP	AKAN CALDERA	JAPAN, E. HOKKAIDO	1	19000.	400.	650.	25000.	.31

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
AP	TOYA CALDERA	JAPAN, S. HOKKAIDO	1	10000.	400.	500.	10000.	.67
AP	SHIKOTSU CALDERA	JAPAN, S. HOKKAIDO		14500.	780.	450.	15000.	.64
AP	ASO CALDERA	JAPAN, NE KYUSHU		21000.	550.	800.	20000.	.42
AP	AIRA	JAPAN, SO. KYUSHU	1	24000.	450.	350.	15000.	.39
AP	KIKAI CALDERA	JAPAN, SO. KYUSHU	1	20800.	400.	350.	18000.	.45
AP	LAKE TAAL (BOMBON)	CEN. LUZON, P.I.	1	26000.	500.	350.	22000.	.47
AP	TOBA DEPRESSION	NO. SUMATRA		72000.	1300.	1800.	75000.	.14
AP	RANAU	SO. SUMATRA	1	16500.	700.	750.	20000.	.45
AP	GEDONSURIAN CAULDRON	EAST SUMATRA	1	18000.	250.	400.	11000.	.48
AP	DANAU CALDERA	WEST JAVA		13500.	200.	300.	13000.	.55
AP	ROTORUA CALDERA	NO. NEW ZEALAND	1	16500.	100.	300.	20000.	.56
AP	ISLAND PARK	USA, SE. IDAHO	1	33000.	200.	400.	16000.	.59
AP	YELLOWSTONE	USA, NW. WYOMING	1	59000.	500.	700.	25000.	.40
AP	CREEDE CALDERA	USA, SO COLORADO	1	17500.	1000.	300.	15000.	.64
AP	PLATORO CALDERA	USA, COLO-N. MEX	1	22000.	500.	750.	20000.	.58
AP	LUNAR LAKE CALDERA	USA, CEN. NEVADA	1	19500.	450.	700.	20000.	.59
AP	TIMBER MTN. CALDERA	USA, SW NEVADA	1	30600.	610.	1250.	25000.	.48
AP	LONG VALLEY CALDERA	USA, E. CEN CALIF	1	26000.	500.	500.	20000.	.29
AP	VALLES CALDERA	USA, C. NEW MEX.		23500.	410.	790.	17000.	.61
AP	LAKE ILOPANGO	W. EL SALVADOR		13000.	570.	600.	9000.	.50
AP	APOYO CALDERA	W. NICARAGUA	1	7000.	250.	250.	4000.	.52
AP	CERRO GALAN	NW ARGENTINA	1	32000.	1000.	1500.	25000.	.38
KTH	MAUNA LOA	HAWAII	2	5600.	115.	5100.	73000.	.24
KTH	KILAUEA	HAWAII	2	5600.	100.	3900.	56000.	.46
KTH	MAUNA KEA BURIED CALD.	HAWAII	2	2450.	150.	4300.	61000.	.52
KTH	KOHALA CALDERA	HAWAII	2	4000.	150.	3500.	50000.	.44
KTH	KOOLAU CALDERA	OAHU, HAWAIIAN I	2	12000.	300.	4200.	49000.	.40
KTH	WAIANAE CALDERA	OAHU, HAWAIIAN I	2	14000.	300.	4300.	53000.	.20
KTH	LANAI CALDERA	LANAI, HAWAIIAN I	1	3500.	100.	3000.	40000.	.62
KTH	OLOKELE CALDERA	KAUAI, HAWAIIAN I	1	18000.	300.	4900.	63500.	.45
KTG	VOLCAN ALCEDO	GALAPAGOS IS.		6400.	240.	3000.	22000.	.57
KTG	CERRO AZUL	GALAPAGOS IS.		3000.	400.	3500.	30000.	.46
KTG	VOLCAN DARWIN	GALAPAGOS IS.		4800.	200.	3300.	22500.	.84
KTG	VOLCAN WOLF	GALAPAGOS IS.	1	5600.	600.	3500.	20000.	.52
KTG	FERNANDINA	GALAPAGOS IS.		5300.	900.	3300.	26000.	.42
KTG	GENOVESA (TOWER IS.)	GALAPAGOS IS.	1	800.	75.	1530.	9000.	.65
KTG	SIERRA NEGRA	GALAPAGOS IS.		8700.	150.	3300.	35000.	.64
KTG	PINZON (DUNCAN IS.)	GALAPAGOS IS.	1	1300.	120.	550.	10000.	.62
KTU	OSHIMA (E-CEN. HONSHU)	JAPAN, IZU IS.		3500.	100.	1000.	13000.	.55
KTU	NIUAFO'OU	TONGA IS.		5500.	240.	2450.	32500.	.65
KTU	RAOUL IS. CALDERA	KERMADEC IS.	1	2600.	500.	2400.	40000.	.35
KTU	ST. PAUL (CRATER IS.)	SO. INDIAN OCEAN	1	1600.	307.	1250.	15000.	.75
KTU	AMSTERDAM IS.	SO. INDIAN OCEAN		1175.	100.	2800.	16000.	.45
KTU	KARTHALA (INDIAN OC.)	GR. COMORO IS.		3500.	100.	2560.	28000.	.38
KTU	REUNION	W. INDIAN OCEAN	1	9200.	200.	5000.	40000.	.55
KTU	PITON DE LA FOURNAISE	REUNION, IND. OC.		850.	100.	600.	4200.	.48
KTU	ISLA TORTUGA	GULF OF CALIF.		1550.	150.	1535.	10000.	.74
KMA	ASKJA	ICELAND, E. CENTR.		9500.	200.	550.	10000.	.55
KMA	GRIMSVOTN	S. E. ICELAND	1	10850.	220.	1000.	7500.	.52
KMA	ERTA ALE	ETHIOPIA, N. AFAR		1150.	50.	625.	24000.	.19
KMA	MAT'ALA	ETHIOPIA C. RIFT		3125.	360.	375.	13500.	.62
KMA	MT. KULAL	NO. KENYA	1	2470.	150.	1450.	24000.	.51
KMA	NYAMURAGIRA	E ZAIRE, W RIFT		2200.	50.	1140.	16000.	.75
KMA	WRANGELL VOLCANO	S.E. ALASKA	1	5000.	200.	2900.	22500.	.28
KMA	NEWBERRY CALDERA	USA, SW. OREGON		8100.	325.	900.	22000.	.56
KMA	MEDICINE LAKE	USA, NO. CALIF.	1	8500.	150.	800.	20000.	.35
KMA	SAN MARTIN (TUXTLA)	SE. MEXICO	1	3500.	100.	950.	7500.	.44
KMM	BEERENBERG VOLCANO	JAN MAYEN IS.		1750.	250.	2580.	11000.	.56
KMM	AOGASHIMA	JAPAN, C. IZU I.		1750.	200.	500.	2900.	.58
KMM	AMBRYM	CEN NEW HEBRIDES	1	13000.	50.	2850.	21000.	.61

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIPC
KMM	AOBA CALDERA	CEN NEW HEBRIDES	1	5500.	150.	2600.	20000.	.61
KO	EAST SEAMOUNT	E. PACIFIC RISE		2100.	130.	1250.	5500.	.51
KO	N.W. PACIFIC BASIN "A"	NORTHWEST PACIFC	1	2320.	45.	870.	4090.	.30
KO	N.W. PACIFIC BASIN "B"	NORTHWEST PACIFC	1	1525.	115.	615.	3235.	.69
KO	N.W. PACIFIC BASIN "J"	NORTHWEST PACIFC	1	2815.	220.	935.	3470.	.53
KO	N.W. PACIFIC BASIN "P"	NORTHWEST PACIFC	1	2300.	160.	650.	1975.	.75
KO	PHILIPPINE BASIN "C"	W. PHIL. BASIN	1	2850.	55.	650.	3075.	.63
KO	PHILIPPINE BASIN "F"	W. PHIL. BASIN	1	2950.	215.	1140.	4775.	.76
KO	PHILIPPINE BASIN "F.1"	W. PHIL. BASIN	1	1445.	195.	285.	1525.	.54
KO	PHILIPPINE BASIN "V"	W. PHIL. BASIN	1	2800.	55.	591.	3350.	.70
KO	PHILIPPINE BASIN "V.1"	W. PHIL. BASIN	1	1000.	24.	148.	1250.	.47
KO	PHILIPPINE BASIN "Z"	W. PHIL. BASIN	1	1000.	27.	100.	1065.	.64
SI	BELKNAP CRATER	USA, CEN. OREGON	1	310.	68.	530.	4000.	.45
SI	SHERIDAN MTN.	USA, CEN. OREGON		354.	60.	530.	4100.	.47
SI	LOOKOUT MTN.	USA, CEN. OREGON	1	155.	8.	510.	3670.	.73
SI	TIMBER CRATER	USA, SW. OREGON		430.	33.	515.	4150.	.38
SI	GOOSENEST (PEAK)	USA, NO. CALIF.		395.	62.	945.	5800.	.43
SI	THE WHALEBACK	USA, NO. CALIF.		350.	34.	895.	4275.	.57
SI	CRATER LAKE MTN.	USA, NO. CALIF.		1600.	90.	468.	3950.	.33
SI	PROSPECT PEAK	USA, NO. CALIF.	1	210.	15.	610.	3400.	.60
SI	HEIDMIN HA	S. W. ICELAND	1	320.	10.	250.	3215.	.44
SI	SANDFELL	W-CEN. ICELAND	1	275.	20.	260.	3000.	.22
SI	OK	W-CEN. ICELAND	1	1020.	50.	570.	6275.	.73
SI	SKJALDBREIDUR	W-CEN. ICELAND		350.	60.	590.	5510.	.56
SI	BALDHEIDI	CEN. ICELAND	1	600.	10.	240.	2600.	.34
SI	SOLKATLA	CEN. ICELAND	1	315.	15.	325.	3000.	.75
SI	TROLLADYNGJA	E-CEN. ICELAND		680.	50.	505.	5150.	.42
SI	KOLLOTTADYNGJA	E-CEN. ICELAND		550.	60.	470.	4000.	.40
SI	KIEJO	SW TANZANIA	1	1000.	35.	700.	4300.	.55
SS	MT. HAMILTON	AUSTRALIA, VICT.		400.	30.	80.	1000.	.69
SS	KANE NUI O HAMO	HAWAII, EAST RIFT		300.	55.	75.	650.	.39
SS	MAUNA ULU (DEC., 1974)	HAWAII, EAST RIFT		135.	130.	120.	685.	.51
SS	HEIHEIAHULU	HAWAII, EAST RIFT		155.	20.	76.	735.	.23
SS	KAIMUKI	HAWAIIAN I., OAHU		340.	14.	66.	730.	.31
SS	SKALARFELL	S. W. ICELAND	1	87.	15.	75.	930.	.72
SS	BURFELL (E. REYKJANES)	S. W. ICELAND	1	175.	15.	55.	565.	.20
SS	MARGUR GIGAN	S. W. ICELAND	1	140.	20.	50.	580.	.36
SS	SKJALDBAKKA	N. E. ICELAND	1	175.	25.	60.	415.	.40
SS	VEGGJABUNGA	N. E. ICELAND	1	180.	7.	65.	790.	.51
SL	BACON RANCH BUTTE	USA, SO. IDAHO		750.	19.	43.	2175.	.28
SL	BEAR CR. (MULE BUTTE)	USA, SO. IDAHO		510.	49.	52.	1750.	.15
SL	BEAR PARK BUTTE CR.	USA, SO. IDAHO		375.	9.	28.	690.	.43
SL	BIG BLOWOUT CRATER	USA, SO. IDAHO	1	585.	32.	41.	1450.	.33
SL	BIG GRASSY RIDGE	USA, SO. IDAHO		958.	20.	160.	4780.	.37
SL	BUTTE CITY CR. (PROV)	USA, SO. IDAHO		505.	31.	91.	3250.	.10
SL	BUTTE CRATER	USA, SO. IDAHO	1	115.	9.	86.	1700.	.43
SL	COTTEREL MTN. CRATER	USA, SO. IDAHO		410.	27.	37.	2170.	.21
SL	KIMAMA BUTTE	USA, SO. IDAHO		385.	12.	225.	8500.	.19
SL	CRATER BUTTE (6503)	USA, SO. IDAHO	1	135.	13.	42.	1060.	.25
SL	CRATER BUTTE (4432)	USA, SO. IDAHO		1200.	88.	105.	3375.	.26
SL	E. OF CRYSTAL BUTTE	USA, SO. IDAHO		400.	35.	45.	1050.	.32
SL	DAVIS BUTTE	USA, SO. IDAHO	1	180.	5.	73.	1900.	.28
SL	DIETRICH BUTTE CRATER	USA, SO. IDAHO	1	350.	14.	130.	3430.	.58
SL	FLAT TOP BUTTE	USA, SO. IDAHO		480.	15.	128.	5500.	.18
SL	G. BEATTIE WELL CONE	USA, SO. IDAHO	1	235.	17.	92.	2150.	.39
SL	GRANDVIEW CRATER	USA, SO. IDAHO	1	150.	11.	90.	5000.	.38
SL	HATCHERY BUTTE	USA, SO. IDAHO	1	730.	15.	86.	4650.	.42
SL	MOUGHLAND RES. BUTTE	USA, SO. IDAHO	1	455.	9.	36.	1650.	.38
SL	INFERNO CHASM	USA, SO. IDAHO		250.	11.	20.	875.	.50
SL	KETTLE BUTTE-NW CONE	USA, SO. IDAHO	1	390.	7.	81.	4300.	.47
SL	LAIDLAW BUTTE	USA, SO. IDAHO		735.	35.	162.	4300.	.24

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
SL	LAVA BUTTE SHIELD	USA, SO. IDAHO	1	140.	11.	54.	1150.	.31
SL	LAVATOO	USA, SO. IDAHO	1	400.	11.	43.	1100.	.18
SL	LITTLE BUTTE	USA, SO. IDAHO	1	370.	24.	41.	1065.	.52
SL	LITTLE GRASSY RIDGE	USA, SO. IDAHO		320.	13.	103.	9900.	.43
SL	MICRO-5493 CRATER	USA, SO. IDAHO	1	410.	18.	63.	2700.	.13
SL	MONUMENT BUTTE	USA, SO. IDAHO	1	210.	7.	62.	1150.	.21
SL	MOSBY BUTTE NE	USA, SO. IDAHO	1	315.	22.	44.	1220.	.59
SL	SO. OF MOSBY BUTTE	USA, SO. IDAHO	1	140.	5.	65.	1100.	.36
SL	MOSBY WELL DOME	USA, SO. IDAHO		600.	30.	70.	2700.	.36
SL	N. OF MULE BUTTE	USA, SO. IDAHO	1	220.	10.	35.	1765.	.35
SL	NECK CRATER	USA, SO. IDAHO	1	500.	21.	75.	4250.	.08
SL	NW OF ANTELOPE BUTTE	USA, SO. IDAHO		375.	11.	43.	2185.	.51
SL	NW. OF SNOWSHOE BUTTE	USA, SO. IDAHO		470.	93.	97.	2665.	.22
SL	PINE BUTTE (E)	USA, SO. IDAHO	1	380.	29.	68.	3600.	.62
SL	PRATT BUTTE	USA, SO. IDAHO	1	570.	18.	81.	2840.	.43
SL	QUAKING ASPEN BUTTE	USA, SO. IDAHO	1	440.	20.	163.	3780.	.29
SL	RIPLEY BUTTE	USA, SO. IDAHO		354.	14.	66.	2825.	.35
SL	ROCKY 4526 BM (PROV)	USA, SO. IDAHO		830.	23.	94.	9600.	.41
SL	W. OF SAGE JUNCTION	USA, SO. IDAHO		385.	6.	59.	6050.	.47
SL	SERVICEBERRY BUTTE	USA, SO. IDAHO		330.	11.	54.	2080.	.25
SL	SHALE BUTTE	USA, SO. IDAHO	1	80.	6.	40.	1185.	.35
SL	SW. OF SHATTUCK BUTTE	USA, SO. IDAHO	1	745.	11.	94.	3255.	.30
SL	SNOWDRIFT CRATER	USA, SO. IDAHO	1	950.	41.	62.	2750.	.11
SL	SPLIT TOP	USA, SO. IDAHO	1	360.	21.	102.	4900.	.16
SL	THE CRATER	USA, SO. IDAHO		500.	30.	52.	1100.	.65
SL	THE CRATER (5948)	USA, SO. IDAHO		415.	62.	79.	2300.	.61
SL	PICABO 3 SE (PROV)	USA, SO. IDAHO		480.	16.	142.	2700.	.36
SL	PICABO 4SW (PROV)	USA, SO. IDAHO		780.	15.	146.	8100.	.57
SL	CROOKS 3 SE (PROV)	USA, SO. IDAHO		460.	12.	124.	4270.	.53
SL	CROOKS 3 NW (PROV)	USA, SO. IDAHO		246.	31.	80.	3125.	.33
SL	WAPI FLOW SHIELD	USA, SO. IDAHO		140.	21.	148.	9700.	.19
SL	ADEN CRATER	USA, SO. NEW MEX.		366.	27.	46.	1015.	.67
SL	MAUNA IKI	HAWAII, KAU DES.	1	100.	15.	40.	1075.	.70
SL	HALEKAMAHINA	HAWAII, E. RIFT		200.	41.	51.	1050.	.69
SL	KALAUPAPA (KAUHAKE CR.)	HAWAII, MOLOKAI		610.	120.	107.	1708.	.53
SL	KILOHANA	HAWAII, KAUAI		1000.	55.	195.	3560.	.47
SL	SELVGSHEIDI	S. W. ICELAND		350.	10.	105.	2425.	.22
SL	ELDBORG	W. ICELAND		190.	60.	93.	2480.	.55
SL	RAUDHHALS	W. ICELAND	1	190.	25.	105.	2155.	.47
SL	GULLBORGARHRAUN	W. ICELAND	1	175.	40.	55.	2090.	.59
SL	LAMBAHRAUN	W-CEN. ICELAND		525.	50.	190.	5375.	.56
SL	LYNGDALSHEIDI	W-CEN. ICELAND	1	450.	25.	220.	4900.	.40
SL	SKALPANES	CEN. ICELAND		490.	35.	225.	3940.	.39
SL	KJALHRAUN	CEN. ICELAND	1	425.	20.	165.	5000.	.30
SL	URDHARHALS	E-CEN. ICELAND		940.	195.	100.	2780.	.40
SL	W. OF THORISJOKULL	W-CEN. ICELAND		1150.	45.	280.	4200.	.59
SL	KETILDYNGJA	N. E. ICELAND		690.	70.	300.	6875.	.34
SL	THEISTAREYKJA-BUNGA	N. E. ICELAND		675.	140.	160.	5250.	.55
C	LAVA BUTTE CONE	USA, CEN. OREGON		190.	37.	153.	245.	.83
C	BLACK ROCK BUTTE	USA, CEN. OREGON		135.	11.	43.	93.	.65
C	NO OF SIAM BUTTE (PROV)	USA, CEN. OREGON		171.	19.	90.	230.	.53
C	LITTLE ODELL BUTTE	USA, CEN. OREGON		342.	51.	183.	580.	.70
C	RED CRATER	USA, CEN. OREGON		252.	56.	111.	214.	.56
C	WIZARD ISLAND	USA, SW. OREGON	1	137.	27.	182.	332.	.80
C	CRESCENT BUTTE	USA, SO. IDAHO		336.	58.	81.	280.	.65
C	FISSURE BUTTE	USA, SO. IDAHO		342.	80.	80.	255.	.70
C	GRASSY CONE	USA, SO. IDAHO		366.	48.	89.	367.	.42
C	SUNSET CONE	USA, SO. IDAHO		414.	57.	117.	470.	.47
C	HIGH HOLE CRATER	USA, NO. CALIF.		220.	40.	95.	190.	.67
C	CINDER CONE	USA, NO. CALIF.		250.	49.	137.	300.	.62
C	AMBOY CRATER	USA, S.E. CALIF.		250.	23.	61.	125.	.83
C	HAT MOUNTAIN	USA, NO. CALIF.		335.	85.	183.	450.	.64
C	ROUND MTN	USA, NW-CEN CALIF		225.	18.	91.	260.	.71
C	ANTELOPE HILL	USA, NO. ARIZONA		280.	22.	137.	360.	.56

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
C	BLACK BOTTOM	USA, NO. ARIZONA		415.	66.	122.	383.	.62
C	CRATER LAKE (CR. 257)	USA, NO. ARIZONA		353.	32.	95.	275.	.87
C	CRATER 33	USA, NO. ARIZONA		265.	48.	152.	353.	.69
C	CRATER 36	USA, NO. ARIZONA		495.	41.	118.	338.	.63
C	CRATER 56	USA, NO. ARIZONA		528.	51.	153.	585.	.69
C	CRATER 89	USA, NO. ARIZONA		440.	39.	219.	630.	.63
C	CRATER 161	USA, NO. ARIZONA		485.	55.	215.	655.	.40
C	CRATER 171	USA, NO. ARIZONA		785.	132.	169.	758.	.69
C	CRATER 173	USA, NO. ARIZONA		380.	58.	97.	275.	.39
C	LENOX CRATER	USA, NO. ARIZONA		488.	32.	74.	306.	.74
C	MAROON CRATER	USA, NO. ARIZONA		258.	40.	116.	326.	.76
C	MERRIAM CRATER	USA, NO. ARIZONA		555.	83.	320.	668.	.52
C	PINNACLE CRATER	USA, NO. ARIZONA		215.	35.	100.	237.	.64
C	SOUTH SHEBA	USA, NO. ARIZONA		430.	55.	139.	460.	.80
C	S. P. MTN. CRATER	USA, NO. ARIZONA		350.	98.	244.	425.	.76
C	SUNSET CRATER	USA, NO. ARIZONA		550.	107.	305.	575.	.56
C	WALKER LAKE (CR. 69)	USA, NO. ARIZONA		690.	61.	111.	355.	.73
C	MONUMENT BLUFF	USA, SO. ARIZONA	1	210.	20.	45.	250.	.68
C	CAPULIN MT.	USA, NO. NEW MEX.		410.	85.	280.	695.	.75
C	BABY CAPULIN	USA, NO. NEW MEX.		195.	37.	55.	150.	.74
C	ZUNI SALT LAKE CONE	USA, W. NEW MEXICO	1	191.	42.	70.	190.	.83
C	PARICUTIN	MEXICO, MICHOACAN	1	260.	150.	315.	420.	.72
C	CERRO DE CUTZATO	MEXICO, MICHOACAN		380.	85.	275.	610.	.74
C	VOLCAN JORULLO	MEXICO, SO. CEN.		450.	120.	305.	530.	.56
C	BARCENA (BENEDICTO IS.)	MEXICO, BAJA CAL		650.	75.	300.	675.	.78
C	UNNAMED CINDER CONE	EASTER ISLAND	1	200.	30.	120.	300.	.75
C	GOODRICH CONE	HAWAII M. KEA TOP		220.	49.	85.	260.	.79
C	PUU MAKANAKA	HAWAII M. KEA TOP		440.	88.	171.	355.	.72
C	PUU KA PELE	HAWAII MAUNA KEA		396.	76.	94.	168.	.73
C	HALALII	MAUI, HAWAIIAN I		210.	49.	66.	170.	.71
C	PUU NAUE	MAUI, HAWAIIAN I		235.	55.	95.	213.	.70
C	PUU O MAUI	MAUI, HAWAIIAN I		210.	42.	136.	315.	.71
C	MT. ELEPHANT	AUSTRALIA, VICT.		550.	80.	115.	450.	.65
C	RANGITOTO SCORIA CONE	NO. IS., N.Z.		175.	50.	115.	250.	.60
C	PENGUIN ISLAND CONE	SO. SHETLAND IS.		350.	35.	155.	370.	.61
C	PUY DE PARIQU	FRANCE, AUVERGNE		315.	35.	125.	485.	.73
C	MONTE NUOVO	ITALY, NAPLES		400.	102.	89.	400.	.69
C	VOLCANO (NEW)	ITALY, LIPARI I.		500.	100.	300.	750.	.59
C	NE CRATER 1971 (ETNA)	ITALY (SICILY)		105.	28.	42.	70.	.56
C	VOLCAN DE SAN ANTONIO	CANARY I., PALMA		375.	109.	189.	370.	.70
C	NABOIYOTON	NO. KENYA	1	653.	140.	195.	525.	.79
C	THE HILL WITH A HOLE IN	TRISTAN DA CUNHA	1	27.	8.	30.	55.	.72
C	CRATER HILL (ROSS I.)	ANTARCTICA		330.	30.	140.	235.	.59
C	VULCAN ISLAND	NEW BRIT. RABAU	1	500.	100.	225.	500.	.68
C	MATUPI CONE	NEW BRIT. RABAU		325.	60.	180.	563.	.39
T	STUBEL (IN KSUDACH CAL)	SO. KAMCHATKA		1500.	320.	345.	600.	.67
T	CONE G (OKMOK CALDERA)	ALEUT. IS. UMNAK	1	1010.	120.	150.	500.	.47
T	CONE H (OKMOK CALDERA)	ALEUT. IS. UMNAK	1	410.	60.	75.	400.	.40
T	SOUTH MENAN BUTTE	USA, SE. IDAHO		1000.	55.	117.	750.	.49
T	NORTH MENAN BUTTE	USA, SE. IDAHO		950.	77.	192.	1125.	.61
T	SAND BUTTE	USA, SO. IDAHO		667.	83.	65.	465.	.73
T	CHINA CAP	USA, SO. IDAHO		265.	24.	29.	138.	.83
T	DRY LAKE (CRATER 105)	USA, NO. ARIZONA		1600.	92.	75.	600.	.77
T	CERRO COLORADO	MEXICO, PINACATE		960.	60.	45.	315.	.63
T	EL CALDERA-WEST	MEXICO, MEX. CITY		770.	136.	206.	300.	.65
T	EL CALDERA-EAST	MEXICO, MEX. CITY		770.	74.	108.	150.	.56
T	PUNTA BAQUERIZO, NORTH	GALAPAGOS, S. SALV	1	850.	260.	245.	775.	.70
T	PUNTA BAQUERIZO, SOUTH	GALAPAGOS, S. SALV	1	800.	183.	152.	537.	.67
T	CABO BERKELEY TUFF RING	GALAPAGOS, ALBEM.	1	520.	90.	150.	315.	.53
T	LITTLE BEAGLE	GALAPAGOS, ISABEL		700.	100.	100.	420.	.83
T	BEAGLE CONE	GALAPAGOS, ISABEL		2400.	150.	150.	750.	.72
T	RANO RARAKU	EASTER ISLAND		613.	60.	75.	295.	.66
T	KAPOHO CRATER	HAWAII, E. RIFT		820.	56.	56.	165.	.68
T	ULUPAU HEAD	HAWAIIAN I. OAHU	1	1125.	57.	105.	410.	.60

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
T	SALT LAKE CRATER	HAWAIIAN I., OAHU	1	1875.	60.	54.	1000.	.45
T	PUNCHBOWL	HAWAIIAN I., OAHU		600.	21.	104.	410.	.66
T	MAKALAPA CRATER	HAWAIIAN I., OAHU		955.	6.	17.	350.	.67
T	MANANA ISLAND	HAWAIIAN I., OAHU	1	335.	45.	70.	285.	.40
T	KOKO HEAD	HAWAIIAN I., OAHU		1400.	105.	100.	550.	.55
T	KOKO CRATER	HAWAIIAN I., OAHU		845.	135.	215.	600.	.64
T	DIAMOND HEAD	HAWAIIAN I., OAHU		1150.	84.	139.	515.	.66
T	ALIAMANU CRATER	HAWAIIAN I., OAHU		1535.	68.	80.	800.	.32
T	AUNUU ISLAND	SAMOA (SE COAST)	1	860.	47.	49.	300.	.85
T	RABALANAKAIA	NEW BRIT., RARAU		465.	60.	100.	400.	.74
T	PUKAKI	NO. IS., N. Z.	1	690.	25.	25.	500.	.60
T	CRATER HILL	NO. IS., N. Z.	1	600.	20.	30.	450.	.65
T	STURGES PARK	NO. IS., N. Z.	1	600.	10.	10.	600.	.70
T	MANGERE LAGOON	NO. IS., N. Z.	1	650.	45.	30.	375.	.63
T	LUDENT	ICELAND, MYVATN		950.	80.	85.	300.	.62
T	HVERFJALL	ICELAND, MYVATN		1040.	117.	117.	300.	.78
T	HROSSABORG	ICELAND, E. MYVATN		415.	31.	32.	165.	.51
T	VALLE DI CASTIGLIONE	CEN. ITALY		1200.	30.	35.	900.	.75
T	VALLE DI ARICCIA	CEN. ITALY	1	2200.	70.	75.	825.	.48
T	SOLFATARA	ITALY, NAPLES		648.	63.	71.	505.	.57
T	GAURO	ITALY, NAPLES		1350.	160.	165.	810.	.51
T	CATHERINE VOLCANO	ETHIOPIA, N. AFAR	1	380.	60.	120.	250.	.66
T	GIULETTI PLAIN VOLCANO	ETHIOPIA, N. AFAR	1	590.	60.	105.	180.	.74
T	LA CALDERA DE ALEGRANZA	CANARY I.		1140.	210.	190.	700.	.79
E	VALENTINE (IN KARYMSKY)	E-CEN. KAMCHATKA		760.	60.	40.	300.	.60
E	LAKE DALNEE	E-CEN. KAMCHATKA		1100.	80.	43.	650.	.74
E	GALYA	E-CEN. KAMCHATKA	1	1245.	255.	40.	400.	.42
E	IWO JIMA MAAR (1957)	NO. MARIANA IS.		31.	16.	4.	30.	.67
E	TOWER HILL	AUSTRALIA, W VICT	1	2730.	60.	20.	2000.	.51
E	UKINREK-1	ALASKA PENINSULA	1	136.	32.	12.	50.	.33
E	UKINREK-2	ALASKA PENINSULA	1	300.	74.	19.	100.	.66
E	NANWAKSJIAK	ALEUT, NUNIVAK I	1	820.	256.	74.	390.	.50
E	HOLE-IN-THE-GROUND	USA, CEN. OREGON		1525.	160.	33.	600.	.72
E	BIG HOLE	USA, CEN. OREGON	1	1900.	116.	25.	550.	.63
E	NORTH TWIN LAKE	USA, CEN. OREGON		1300.	48.	24.	575.	.52
E	SOUTH TWIN LAKE	USA, CEN. OREGON	1	975.	37.	18.	460.	.64
E	MINIDOKA CRATER	USA, SO. IDAHO		1000.	37.	12.	300.	.46
E	UBEHEBE NO. 1	USA, SE. CALIF.	1	610.	153.	20.	200.	.64
E	GLASS CREEK CRATER	USA, E-CEN. CALIF		100.	26.	8.	36.	.60
E	SODA LAKE	USA, W-CEN NEVADA		1500.	75.	20.	560.	.51
E	LITTLE SODA LAKE	USA, W-CEN NEVADA		425.	26.	6.	95.	.65
E	LUNAR CRATER	USA, S-CEN NEVADA		1200.	131.	30.	350.	.67
E	EASY CHAIR CRATER	USA, S-CEN NEVADA		560.	41.	34.	495.	.51
E	MALPAIS TANK MAAR	SE ARIZONA, USA	1	2500.	35.	13.	875.	.74
E	PARAMORE CRATER	SE ARIZONA, USA		2440.	115.	55.	1280.	.60
E	WELLS TANK MAAR	SE ARIZONA, USA		1530.	52.	17.	600.	.66
E	ZUNI SALT LAKE	USA, NW NEW MEX.	1	2280.	67.	12.	450.	.59
E	KILBOURNE HOLE (AFTON 1)	USA, SO. NEW MEX		2600.	110.	25.	1600.	.44
E	MUNT'S HOLE (AFTON 2)	USA, SO. NEW MEX		1600.	56.	20.	1000.	.63
E	POTRILLO MAAR	USA, SO. NEW MEX		4000.	61.	29.	1200.	.44
E	MALPAIS MAAR	USA, SO. NEW MEX	1	1250.	43.	12.	380.	.71
E	KINO CRATER	MEXICO, PINACATE		915.	37.	27.	100.	.58
E	MACDOUGAL CRATER	MEXICO, PINACATE		1630.	80.	15.	300.	.75
E	MOLINA CRATER	MEXICO, PINACATE		550.	50.	12.	490.	.41
E	MOON CRATER ("LUNA")	MEXICO, PINACATE		793.	21.	15.	185.	.59
E	SYKES CRATER	MEXICO, PINACATE		1020.	165.	25.	375.	.74
E	BADILLO	MEXICO, PINACATE		763.	30.	18.	122.	.64
E	CRATER ELEGANTE	MEXICO, PINACATE		1500.	192.	49.	565.	.70
E	CELAYA CRATER	MEXICO, PINACATE		1037.	61.	15.	275.	.59
E	TEPEXITL	MEXICO, E. PUEBLA		1070.	75.	27.	315.	.76
E	ALCHICHICA	MEXICO, ORIZABA		1900.	150.	80.	600.	.65
E	ATEXCAQUI	MEXICO, ORIZABA		1100.	150.	80.	250.	.49
E	LA PRECIOSA	MEXICO, ORIZABA		1300.	138.	35.	200.	.29
E	QUECHOLAC	MEXICO, ORIZABA		1350.	143.	37.	200.	.49

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
E	GESTSSTADAVATN	S. W. ICELAND	1	425.	25.	15.	90.	.23
E	KERID CRATER	SO. CEN. ICELAND		235.	50.	20.	60.	.43
E	BLAHLUR	SO. CEN. ICELAND	1	930.	90.	60.	235.	.25
E	VALAGJA NORTH	SO. CEN. ICELAND	1	650.	45.	40.	200.	.36
E	VALAGJA SOUTH	SO. CEN. ICELAND	1	520.	80.	35.	150.	.45
E	UNNAMED (NR HELLISKVISL	SO. CEN. ICELAND		720.	75.	10.	175.	.44
E	LJOTI-POLLUR	ICELAND (SO.)		1233.	119.	74.	545.	.28
E	VITI (KRAFLA)	E. ICELAND		350.	90.	60.	130.	.71
E	PULVERMAAR	W. GERMANY, EIFEL	1	850.	124.	10.	100.	.77
E	LAGO DI ALBANO	ITALY, LATIUM		3750.	367.	167.	2500.	.50
E	LAGO DI NEMI	ITALY, LATIUM		2950.	265.	70.	1000.	.41
E	ASTRONI	ITALY, NAPLES		1750.	190.	120.	625.	.58
E	AVERNO	ITALY, NAPLES		1245.	99.	44.	780.	.52
E	UAU EN NAMUS	SO. LIBYA, TIBESTI	1	3200.	160.	50.	1500.	.57
E	BEGOUR (DJIGUURI)	NO. CHAD, TIBESTI		500.	70.	30.	200.	.70
E	JEREL HEBEISH	NO. SUDAN		800.	40.	30.	250.	.64
E	LAKE BISHOFTU	ETHIOPIA, C RIFT		1305.	138.	31.	300.	.49
E	BIETE MENGEST SOUTH	ETHIOPIA, C RIFT		1360.	115.	58.	400.	.65
E	LAKE HORA (PAWLO)	ETHIOPIA, C RIFT		1075.	97.	23.	230.	.67
E	KILOTES (DEBRA ZEIT 6)	ETHIOPIA, C RIFT	1	1950.	66.	25.	825.	.50
E	ARANGUADI LAKE	ETHIOPIA, C RIFT		1500.	232.	60.	300.	.50
E	BIETE MENGEST N. W.	ETHIOPIA, C RIFT		888.	148.	63.	400.	.70
E	BIETE MENGEST N. E.	ETHIOPIA, C RIFT		490.	70.	37.	195.	.60
E	DEBRA ZEIT NO. 4A	ETHIOPIA, C RIFT		490.	45.	32.	150.	.47
E	DEBRA ZEIT NO. 4B	ETHIOPIA, C RIFT		600.	45.	14.	100.	.65
E	HARO MAJA (D. ZEIT)	ETHIOPIA, C RIFT		875.	115.	30.	162.	.54
E	ARA SHATAN	ETHIOPIA, C RIFT	3	880.	150.	30.	100.	.71
E	LAKE SIMBI EXPLOSION CR	S. W. KENYA		700.	25.	10.	200.	.55
E	BASOTU	TANZANIA, N RIFT	3	870.	35.	6.	190.	.50
E	BASODESH	TANZANIA, N RIFT	3	360.	28.	6.	95.	.33
E	GIDAMUNIUD	TANZANIA, N RIFT		300.	32.	5.	180.	.67
E	GIDABUID	TANZANIA, N RIFT	3	270.	55.	15.	155.	.60
E	GHAMA CRATER	TANZANIA, N RIFT		480.	140.	45.	285.	.47
E	SHEWEWE NO. 1	TANZANIA, N RIFT	1	170.	20.	6.	150.	.45
E	GIDABUGURAK	TANZANIA, N RIFT	1	230.	20.	10.	135.	.85
E	NDANAKID CRATER	TANZANIA, N RIFT	3	515.	50.	26.	110.	.64
E	NDOBOT CRATER	TANZANIA, N RIFT	3	520.	65.	43.	350.	.85
E	LAJA CRATER	TANZANIA, N RIFT	3	400.	25.	6.	385.	.39
E	OLDOINYO LOOLMURWAK	TANZANIA, N. RIFT	1	915.	130.	30.	200.	.78
E	LAC KIRWA CRATER	E ZAIRE, W RIFT		1230.	170.	70.	400.	.55
E	LAC DE LA FEMME	NW. CAMEROON		1000.	260.	125.	225.	.67
E	PETREL CR. (PENGUIN I.)	SO. SHETLAND IS.	1	305.	55.	10.	220.	.61
A	PIHAKEKUA	HAWAII, KAUAI		200.	18.	19.	150.	.69
A	PUU WANAWANA	HAWAII, KAUAI		150.	23.	31.	110.	.71
A	NEAR DAVIS MTN.	USA, CEN. OREGON		80.	27.	55.	130.	.73
A	BIG CRATERS, CEN.	USA, SO. IDAHO		215.	45.	45.	113.	.64
A	BIG CRATERS, NO.	USA, SO. IDAHO		130.	31.	36.	110.	.47
A	UNNAMED (BEAR PARK E.)	USA, SO. IDAHO	1	125.	27.	18.	70.	.31
A	CAPELINHOS (INNER CONE)	FAYAL, AZORE I.		115.	30.	70.	138.	.53
A	KAMAKAIAUKA	HAWAII, KAU DES.	1	60.	14.	23.	60.	.75
A	KAMAKAIAWAENA	HAWAII, KAU DES.	1	75.	15.	31.	83.	.65
A	PUU HULUHULU	HAWAII, EAST RIFT		130.	45.	52.	360.	.65
A	PUU MONUAULU	HAWAII, EAST RIFT		160.	40.	49.	145.	.70
A	LILEWA CRATER	HAWAII, E. RIFT	1	90.	27.	42.	205.	.70
A	LILEWA CRATER - WEST	HAWAII, E. RIFT	1	70.	35.	37.	70.	.73
A	LILEWA CRATER - EAST	HAWAII, E. RIFT	1	80.	21.	23.	60.	.96
A	WAPI FLOW CONE	USA, SO. IDAHO		138.	10.	15.	86.	.41
A	THE SPROUL CRATER	USA, NO. ARIZONA		660.	47.	45.	270.	.13
D	MONTE GIARDINA	LIPARI I., ITALY	1	245.	45.	210.	425.	.56
D	MONTE GUARDIA	LIPARI I., ITALY	1	90.	20.	130.	320.	.80
D	UNNAMED DOME, SE COAST	LIPARI I., ITALY	1	275.	75.	100.	310.	.52
D	DSUNAKI, NORTH	GREECE, METHANA	1	75.	20.	80.	290.	.25
D	KAMENO VOUNO	GREECE, METHANA	1	75.	25.	175.	320.	.77

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
D	KOSSONA	GREECE, METHANA	1	98.	42.	120.	250.	.73
D	MALJA	GREECE, METHANA	1	150.	30.	85.	210.	.44
D	MALJA A	GREECE, METHANA	1	95.	5.	45.	80.	.81
D	STAVRO-LONGO	GREECE, METHANA	1	25.	5.	15.	40.	.44
D	MALISSA	GREECE, METHANA	1	200.	30.	140.	300.	.40
D	CHONI (VERA ULKUT)	GREECE, METHANA	1	170.	70.	200.	215.	.78
D	RETHI, SOUTH	GREECE, METHANA	1	185.	50.	85.	185.	.30
D	RETHI, EAST	GREECE, METHANA	1	170.	50.	90.	165.	.85
D	DAFNI (KAMENAE I.)	SANTORIN, AEGEAN	1	150.	21.	26.	50.	.62
D	MIKRA (KAMENAE I.)	SANTORIN, AEGEAN	1	60.	40.	60.	120.	.59
D	GEORGIOS (KAMENAE I.)	SANTORIN, AEGEAN	1	95.	20.	70.	150.	.27
D	NIKI (KAMENAE I.)	SANTORIN, AEGEAN	1	40.	9.	75.	53.	.47
D	RECK (KAMENAE I.)	SANTORIN, AEGEAN	1	17.	16.	18.	14.	.44
D	NEA (KAMENAE I.)	SANTORIN, AEGEAN	1	120.	10.	40.	90.	.53
P	VESTURHOFDI	ICELAND, MYVATN		165.	25.	23.	75.	.42
P	HAEY	ICELAND, MYVATN	1	79.	10.	29.	60.	.80
P	STORIHVER	ICELAND, MYVATN	1	65.	10.	25.	30.	.85
P	VINDBELGUR	ICELAND, MYVATN	1	115.	10.	25.	120.	.80
P	NEAR STAKHOLSTJORN LAKE	ICELAND, MYVATN	1	95.	20.	25.	50.	.73
P	ON RIFSHOFDI 1	ICELAND, MYVATN		92.	6.	16.	80.	.60
P	ON RIFSHOFDI 2	ICELAND, MYVATN		69.	5.	10.	45.	.59
P	ON RIFSHOFDI 3	ICELAND, MYVATN		26.	3.	5.	13.	.35
P	ON RIFSHOFDI 4	ICELAND, MYVATN		16.	1.	4.	17.	.36
P	ON RIFSHOFDI 5	ICELAND, MYVATN		14.	2.	8.	14.	.76
M	BURFELL	W. CEN. ICELAND	1	275.	20.	325.	1590.	.33
M	SKRIDHAN	W. CEN. ICELAND	1	325.	85.	445.	2100.	.20
M	STORA BJORNSELL	W. CEN. ICELAND	1	280.	60.	450.	1500.	.53
M	UNNAMED TABLEMOUNTAIN	W. CEN. ICELAND	1	375.	35.	160.	615.	.44
M	VORDHUFELL	W. CEN. ICELAND	1	760.	40.	280.	2170.	.37
M	KJALFELL	CEN. ICELAND	1	250.	30.	330.	1750.	.42
M	EGGERT	E. ICELAND	1	300.	30.	285.	1540.	.13
M	HERDHUBREIDH	E. ICELAND		210.	45.	1025.	2450.	.65
M	BAEJARFJALL	N. E. ICELAND		745.	70.	160.	1180.	.49
M	GAESAFJOLL	N. E. ICELAND		1125.	80.	335.	2060.	.53
M	HRUTAFJOLL	N. E. ICELAND		195.	25.	150.	900.	.30
M	KVIMOLAFJOLL	N. E. ICELAND	1	475.	45.	145.	1010.	.34
U	LION'S JAW CALDERA	SO. KURILE IS.	1	8290.	780.	370.	5000.	.56
U	USHISHIR IS. CALDERA	NO. KURILE IS.		1630.	255.	380.	4600.	.66
U	KAHAWAI CRATER	HAWAII, E. RIFT	1	220.	29.	15.	80.	.29
U	TONDANO DEPRESSION	NE. CELEBES	1	23000.	300.	1000.	35000.	.16
U	ANDEWA CALDERA	W. NEW BRITAIN		9400.	500.	850.	13000.	.50
U	LOFIA CONE	TOFUA, TONGA IS.		644.	122.	153.	213.	.60
U	MT. EDGECUMBE	NO. IS., N.Z.	1	70.	64.	595.	1370.	.78
U	RANO-KAO	EASTER ISLAND	4	1600.	200.	300.	3500.	.78
U	CONE E (OKMOK CALDERA)	ALEUT. IS., UMNAK	1	745.	300.	310.	925.	.51
U	BEAR DEN BUTTE	USA, SO. IDAHO	1	340.	52.	65.	680.	.61
U	COTTRELLS BLOWOUT	USA, SO. IDAHO		405.	30.	27.	473.	.11
U	EAST CRATER RING	USA SW-CEN IDAHO		1100.	99.	42.	2950.	.60
U	HIGGINS CRATER	USA, SO. IDAHO		425.	42.	19.	275.	.11
U	PACKSADDLE BUTTE	USA, SO. IDAHO		500.	22.	23.	425.	.53
U	SPLIT BUTTE	USA, SO. IDAHO		520.	40.	22.	390.	.68
U	WILDHORSE CORRAL	USA, SO. IDAHO	1	770.	49.	40.	1600.	.25
U	SAN FRANCISCO PK CALD.	USA, NO. ARIZONA		3500.	500.	1265.	8000.	.56
U	COLTON CRATER	USA, NO. ARIZONA		1280.	234.	115.	610.	.68
U	CRATER 168	USA, NO. ARIZONA		590.	56.	132.	448.	.10
U	MOON CRATER	USA, NO. ARIZONA		1170.	54.	121.	765.	.72
U	LAKE ATITLAN DEPRESSION	W. GUATEMALA		20000.	800.	1500.	14000.	.62
U	MASAYA CALDERA	W. NICARAGUA	1	8250.	100.	100.	3400.	.28
U	CORDILLERA NEV. CALDERA	SO. CHILE	1	7600.	100.	1525.	19000.	.64
U	UNNAMED (NR VEIDHIVOTN)	SO. CEN. ICELAND	1	680.	115.	65.	150.	.62
U	STORI MEITILL	ICELAND, SW RIFT		360.	87.	240.	470.	.51
U	CIGLIANO	ITALY, NAPLES		490.	25.	95.	405.	.71

CLASS	NAME	LOCATION	NR	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
U	TENERIFE CALDERA	CANARY IS.	1	13000.	215.	3900.	25000.	.38
U	LA CALDERA (TABURIENTE)	AZORES I (PALMA)	1	7800.	750.	5750.	45000.	.50
U	CAWA CALDERA	ETHIOPIA, E. PLAT	1	15600.	340.	1100.	16000.	.52
U	MOUNT ASMARA (GUYOT)	ETHIOPIA, C. AFAR		760.	55.	240.	705.	.79
U	BORA (SI. PYROCL. CONE)	ETHIOPIA C. RIFT		1550.	125.	350.	2225.	.55
U	MBALE CALDERA (ELGON)	E. UGANDA	1	13350.	500.	800.	18000.	.57
U	RUGARAMA- 1971 PARASITE	E ZAIRE, W RIFT		200.	40.	85.	375.	.46
U	GEITSIGUBIB (BRUKKAROS)	NAMIBIA		2470.	230.	610.	1220.	.67
U	PRETORIA SALT PAN	SOUTH AFRICA	1	1035.	170.	31.	185.	.80
U	TELEFON BAY, '67 NEW I-3	DECEPTION IS.		205.	34.	41.	125.	.79
U	TELEFON BAY, '67 NEW I-2	DECEPTION IS.		222.	43.	55.	115.	.79

* Delete from Table 2: REVENTADOR (Class SC)

Add to Table 2:

KAS	CANTAL (Paleo-)	CEN. FRANCE	1	7800.	275.	600.	18500.	.47
SCL	BANDAI-SAN 1888	JAPAN, NO. HONSHU	1	2000.	500.	1000.	7000.	.40

Table 3. Topographic dimensions of 33 volcanoes on the Moon and Mars, by class.

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
LC	ARISTARCHUS-1 (LO4DATA)	CA. 34DN/55DW	1	1865.	195.	145.	655.	.28
LC	ARISTARCHUS-2 (LO4DATA)	CA. 34DN/55DW	1	1505.	135.	115.	525.	.41
LC	LASSELL MJ (APOLLODATA)	15000'S/10050'W		1500.	240.	175.	525.	.80
LC	SERENITATIS-1 (42C3S2)	18038'N/27038'E		925.	60.	72.	700.	.53
LC	SERENITATIS-2 (42C3S2)	18057'N/27028'E		635.	30.	60.	550.	.55
LH	ALPHONSUS R	SPEC APOLLO DATA	1	2700.	380.	60.	2500.	.35
LH	ALPHONSUS KC (7703S150)	12052'S/358023'E		2550.	376.	50.	1725.	.58
LH	ALPHONSUS CA	SPEC APOLLO DATA	1	2350.	325.	30.	2000.	.70
LH	ALPHONSUS MD (7703S150)	12031'S/358003'E		2250.	336.	50.	875.	.64
LH	SO. OF ALPHONSUS CA	SPEC APOLLO DATA	1	2220.	325.	40.	2600.	.42
LH	ALPHONSUS -- (7703S150)	12033'S/358017'E		1725.	212.	15.	900.	.47
LH	W. OF ALPHONSUS CA	SPEC APOLLO DATA	1	1720.	200.	30.	1500.	.47
LH	ON RIMA ALPHONSUS II	7703S1(50)	1	1350.	165.	10.	500.	.59
LD	D-CRATER (NAME PROV)	18040'N/05020'E		2650.	50.	200.	6175.	.54
LD	MARALDI B 2NW (61A2S01)	14018'N/35040'E		1700.	185.	90.	3400.	.49
LD	CAUCHY OMEGA 6102S/(50)	06014'N/38018'E		1775.	231.	116.	5263.	.51
LD	MARALDI B 1SE (61A2S01)	14013'N/35054'E		1600.	70.	130.	3400.	.45
LD	RIMA ARISTARC.8 (APOLLO	30030'N/49010'W		1275.	25.	65.	2235.	.30
MM	OLYMPUS MONS / THARSIS	100-MODEL VO MAP		80000.	2500.	24600.	360000.	.50
MM	PAVONIS MONS	THARSIS MONTES	1	48000.	3000.	17000.	206000.	.77
MM	ASCRAEUS MONS	THARSIS MONTES	1	55000.	2500.	19000.	190000.	.40
MM	ARSIA MONS / THARSIS	1980 VO STER MAP		132000.	650.	12750.	285000.	.83
MM	ELYSIUM MONS	846A18, 844A17		14600.	1000.	12500.	200000.	.81
MM	HECATES THOLUS	ELYSIUM 651A19	1	10200.	400.	5000.	95000.	.55
MT	URANIUS THOLUS	701A08, 816A09		19900.	350.	2450.	20000.	.74
MT	CERAUNUS THOLUS	701A08, 816A09		25400.	1130.	5150.	44200.	.70
MT	THARSIS THOLUS	858A23, 857A51		47800.	4100.	4100.	42100.	.51
MT	ALBOR THOLUS	846A21		32400.	2600.	3500.	62000.	.74
MP	JOVIS THOLUS	THARSIS V041R19	1	28300.	600.	600.	13700.	.55
MP	BIBLIS PATERA	THARSIS 44B19	1	54400.	3500.	3000.	47900.	.80
MP	ULYSSES PATERA	THARSIS 49B85	1	55300.	2100.	1700.	23700.	.75
MP	URANIUS PATERA	701A08, 816A09		98500.	900.	1630.	71400.	.39
MP	APOLLINARIS PATERA	88A50, 635A57	1	80000.	2000.	4000.	95000.	.72

Table 4. Topographic dimensions of 730 volcanoes, alphabetized.

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
KA	A'ABIDA	ETHIOPIA C. RIFT		3875.	525.	825.	9000.	.52
SL	ADEN CRATER	USA SO. NEW MEX.		366.	27.	46.	1015.	.67
KC	AGRIHAN IS.	CEN. MARIANA IS.		2200.	400.	3350.	22000.	.55
SC	AGUA	GUATEMALA		290.	40.	2580.	9500.	.76
KA	AGUA DE PAU (AZORES I)	SAO MIGUEL I.		3000.	150.	2250.	21000.	.62
SC	AGUNG	INDONESIA, BALI		450.	120.	2300.	10000.	.52
AP	AIRA	JAPAN, SO. KYUSHU	1	24000.	450.	350.	15000.	.39
KC	AKAGI	JAPAN, C. HONSHU		3250.	200.	1100.	10500.	.39
AP	AKAN CALDERA	JAPAN, E. HOKKAIDO	1	19000.	400.	650.	25000.	.31
MT	ALBOR THOLUS	846A21		32400.	2600.	3500.	62000.	.74
E	ALCHICHICA	MEXICO, ORIZABA		1900.	150.	80.	600.	.65
SA	ALE BAGU	ETHIOPIA, N. AFAP		600.	100.	1000.	12000.	.33
T	ALIAMANU CRATER	HAWAIIAN I. OAHU		1535.	68.	80.	800.	.32
KA	ALID	CEN. ERITREA		2300.	100.	575.	8850.	.45
LH	ALPHONSUS -- (77D3S150)	12033'S/358D17'E		1725.	212.	15.	900.	.47
LH	ALPHONSUS CA	SPEC APOLLO DATA	1	2350.	325.	30.	2000.	.70
LH	ALPHONSUS KC (77D3S150)	12052'S/358D23'E		2550.	376.	50.	1725.	.58
LH	ALPHONSUS MD (77D3S150)	12031'S/358D03'E		2250.	336.	50.	875.	.64
LH	ALPHONSUS R	SPEC APOLLO DATA	1	2700.	380.	60.	2500.	.35
KAS	AMBERICHO (NAME PROV)	ETHIOPIA, W. PLAT	1	4940.	200.	450.	5000.	.63
C	AMBOY CRATER	USA, S.E. CALIF.		250.	23.	61.	125.	.83
KMM	AMBRYM	CEN NEW HEBRIDES	1	13000.	50.	2850.	21000.	.61
KTU	AMSTERDAM IS.	SO. INDIAN OCEAN		1175.	100.	2800.	16000.	.45
KC	ANATAHAN	CEN. MARIANA IS.	1	3700.	200.	2800.	18000.	.25
U	ANDEWA CALDERA	W. NEW BRITAIN		9400.	500.	850.	13000.	.50
KA	ANDRUS (ANTARCTIC)	MARIE BYRD LAND	1	4500.	200.	1300.	6800.	.68
KC	ANIACHAK CALDERA	ALASKA PENINSULA		10800.	480.	930.	15000.	.72
SA	ANNORON IS.	GULF OF GUINEA	1	890.	100.	4600.	27000.	.64
C	ANTELOPE HILL	USA, NO. ARIZONA		280.	22.	137.	360.	.56
KMM	AOBA CALDERA	CEN NEW HEBRIDES	1	5500.	150.	2600.	20000.	.61
KMM	AOGASHIMA	JAPAN, C. IZU I.		1750.	200.	500.	2900.	.58
MP	APOLLINARIS PATERA	88A50, 635A57	1	80000.	2000.	4000.	95000.	.72
KCS	APOYEQUE	W-CEN. NICARAGUA	1	3800.	300.	400.	5000.	.60
AP	APOYO CALDERA	W. NICARAGUA	1	7000.	250.	250.	4000.	.52
E	ARA SHATAN	ETHIOPIA, C RIFT	3	880.	150.	30.	100.	.71
E	ARANGUADI LAKE	ETHIOPIA, C RIFT		1500.	232.	60.	300.	.50
SC	ARENAL	CEN. COSTA RICA	1	120.	30.	1050.	3000.	.50
LC	ARISTARCHUS-1 (L04DATA)	CA, 34DN/55DW	1	1865.	195.	145.	655.	.28
LC	ARISTARCHUS-2 (L04DATA)	CA, 34DN/55DW	1	1505.	135.	115.	525.	.41
MM	ARSIA MONS / THARSIS	1980 VO STER MAP		132000.	650.	12750.	285000.	.83
KAS	ARTEMISIO CALDERA	ITALY, LATIUM		10500.	204.	650.	15000.	.65
SC	ASAMA (KAMA-YAMA CR.)	JAPAN, CEN HONSHU		415.	250.	1400.	11900.	.75
MM	ASCRAEUS MONS	THARSIS MONTES	1	55000.	2500.	19000.	190000.	.40
KMA	ASKJA	ICELAND, E. CENTR.		9500.	200.	550.	10000.	.55
AP	ASO CALDERA	JAPAN, NE KYUSHU		21000.	550.	800.	20000.	.42
E	ASTRONI	ITALY, NAPLES		1750.	190.	120.	625.	.58
E	ATEXCAQUI	MEXICO, ORIZABA		1100.	150.	80.	250.	.49
SC	ATSONPURI (S. ITURUP I.)	SO. KURILE IS.		525.	150.	1850.	3500.	.56
T	AUNUU ISLAND	SAMOA (SE COAST)	1	860.	47.	49.	300.	.85
E	AVERNO	ITALY, NAPLES		1245.	99.	44.	780.	.52
SC	AWU (N. SANGHE ARCH.)	N. INDONESIA	1	1400.	446.	1410.	10000.	.43
KCS	AZUFRAL DE TUQUERRES	SO. COLOMBIA	1	2750.	300.	1000.	9600.	.69
C	BABY CAPULIN	USA, NO. NEW MEX.		195.	37.	55.	150.	.74
SL	BACON RANCH BUTTE	USA, SO. IDAHO		750.	19.	43.	2175.	.28
E	BADILLO	MEXICO, PINACATE		763.	30.	18.	122.	.64
M	BAEJARFJALL	N. E. ICELAND		745.	70.	160.	1180.	.49
SI	BALDHEIDI	CEN. ICELAND	1	600.	10.	240.	2600.	.34
C	BARCENA (BENEDICTO IS.)	MEXICO, BAJA CAL		650.	75.	300.	675.	.78
E	BASODESH	TANZANIA, N RIFT	3	360.	28.	6.	95.	.33
E	BASOTU	TANZANIA, N RIFT	3	870.	35.	6.	190.	.50

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
SA	BATU TARA (KOMBA I.)	INDONESIA, FLORES		800.	345.	3600.	25000.	.60
KC	BATUR CALDERA	INDONESIA, BALI	1	10500.	470.	1450.	20000.	.56
T	BEAGLE CONE	GALAPAGOS, ISABEL		2400.	150.	150.	750.	.72
SL	BEAR CR. (MULE BUTTE)	USA, SO. IDAHO		510.	49.	52.	1750.	.15
U	BEAR DEN BUTTE	USA, SO. IDAHO	1	340.	52.	65.	680.	.61
SL	BEAR PARK BUTTE CR.	USA, SO. IDAHO		375.	9.	28.	690.	.43
KMM	BEERENBERG VOLCANO	JAN MAYEN IS.		1750.	250.	2580.	11000.	.56
E	BEGOUR (DJIGUIRI)	NO. CHAD, TIBESTI		500.	70.	30.	200.	.70
SI	BELKNAP CRATER	USA, CEN. OREGON	1	310.	68.	530.	4000.	.45
SCL	BEZYMIANNY (1956)	E-CEN. KAMCHATKA	1	1750.	800.	1400.	6500.	.38
MP	BIBLIS PATERA	THARSIS 44B19	1	54400.	3500.	3000.	47900.	.80
E	BIETE MENGEST N. E.	ETHIOPIA, C RIFT		490.	70.	37.	195.	.60
E	BIETE MENGEST N. W.	ETHIOPIA, C RIFT		888.	148.	63.	400.	.70
E	BIETE MENGEST SOUTH	ETHIOPIA, C RIFT		1360.	115.	58.	400.	.65
SL	BIG BLOWOUT CRATER	USA, SO. IDAHO	1	585.	32.	41.	1450.	.33
A	BIG CRATERS, CEN.	USA, SO. IDAHO		215.	45.	45.	113.	.64
A	BIG CRATERS, NO.	USA, SO. IDAHO		130.	31.	36.	110.	.47
SL	BIG GRASSY RIDGE	USA, SO. IDAHO		958.	20.	160.	4780.	.37
E	BIG HOLE	USA, CEN. OREGON	1	1900.	116.	25.	550.	.63
KC	BILLY MITCHELL VOLCANO	CEN. BOUGAINVILLE	1	2400.	500.	750.	9000.	.44
C	BLACK BOTTOM	USA, NO. ARIZONA		415.	66.	122.	383.	.62
AA	BLACK MOUNTAIN CALDERA	USA, SW. NEVADA		12000.	150.	200.	12000.	.47
C	BLACK ROCK BUTTE	USA, CEN. OREGON		135.	11.	43.	93.	.65
E	BLAHLUR	SO. CEN. ICELAND	1	930.	90.	60.	235.	.25
U	BORA (SI. PYROCL. CONE)	ETHIOPIA, C. RIFT		1550.	125.	350.	2225.	.55
KA	BOUVET ISLAND	SO. ATLANTIC OC.	1	4625.	250.	2700.	41000.	.50
KC	BRATAN CALDERA	INDONESIA, BALI	1	8600.	200.	800.	15000.	.37
M	BURFELL	W. CEN. ICELAND	1	275.	20.	325.	1590.	.33
SS	BURFELL (E. REYKJANES)	S. W. ICELAND	1	175.	15.	55.	565.	.20
KA	BURSEY (ANTARCTICA)	MARIE BYRD LAND	1	5000.	200.	1100.	11000.	.50
SL	BUTTE CITY CR. (PROV)	USA, SO. IDAHO		505.	31.	91.	3250.	.10
SL	BUTTE CRATER	USA, SO. IDAHO	1	115.	9.	86.	1700.	.43
SCL	C. NEGRO DE MAYASQUER	NO. ECUADOR	1	1200.	800.	1100.	8500.	.36
T	CABO BERKELEY TUFF RING	GALAPAGOS, ALREM.	1	520.	90.	150.	315.	.53
KA	CALDERA DEL PIANO	VOLCANO I., ITALY		2675.	100.	1750.	11000.	.66
KA	CALDERA DELLA FOSSA	VOLCANO I., ITALY	1	3600.	175.	1525.	10500.	.60
A	CAPELINHOS (INNER CONE)	FAYAL, AZORE I.		115.	30.	70.	138.	.53
C	CAPULIN MT.	USA, NO. NEW MEX.		410.	85.	280.	695.	.75
T	CATHERINE VOLCANO	ETHIOPIA, N. AFAR	1	380.	60.	120.	250.	.66
LD	CAUCHY OMEGA 61D25/(50)	06D14°N/38D18°E		1775.	231.	116.	5263.	.51
U	CAWA CALDERA	ETHIOPIA, E. PLAT	1	15600.	340.	1100.	16000.	.58
E	CELAYA CRATER	MEXICO, PINACATE		1037.	61.	15.	275.	.59
MT	CERAUNUS THOLUS	701A08, 816A09		25400.	1130.	5150.	44200.	.70
KTG	CERRO AZUL	GALAPAGOS IS.		3000.	400.	3500.	30000.	.46
T	CERRO COLORADO	MEXICO, PINACATE		960.	60.	45.	315.	.63
C	CERRO DE CUTZATO	MEXICO, MICHOACAN		380.	85.	275.	610.	.74
AP	CERRO GALAN	NW ARGENTINA	1	32000.	1000.	1500.	25000.	.38
T	CHINA CAP	USA, SO. IDAHO		265.	24.	29.	138.	.83
KC	CHINAMECCA	SE. EL SALVADOR		2300.	280.	600.	7000.	.70
D	CHONI (VERA ULKUT)	GREECE, METHANA	1	170.	70.	200.	215.	.78
U	CIGLIANO	ITALY, NAPLES		490.	25.	95.	405.	.71
KA	CILALLO	C. ETHIOPIA RIFT		4700.	75.	1500.	16000.	.59
KA	CINCO PICOS (AZORES I)	TERCEIRA I.	1	7000.	100.	1450.	17000.	.79
C	CINDER CONE	USA, NO. CALIF.		250.	49.	137.	300.	.62
SC	CITLALTEPETL	E. MEXICO		500.	300.	3400.	15000.	.73
SC	COLIMA	W. MEXICO	1	350.	60.	3350.	27500.	.75
U	COLTON CRATER	USA, NO. ARIZONA		1280.	234.	115.	610.	.68
U	CONE E (OKMOK CALDERA)	ALEUT. IS. UMNAK	1	745.	300.	310.	925.	.51
T	CONE G (OKMOK CALDERA)	ALEUT. IS. UMNAK	1	1010.	120.	150.	500.	.47
T	CONE H (OKMOK CALDERA)	ALEUT. IS. UMNAK	1	410.	60.	75.	400.	.40

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
AA	CORBETTI CALDERA	ETHIOPIA, C. RIFT	1	15000.	210.	760.	10000.	.45
U	CORDILLERA NEV. CALDERA	SO. CHILE	1	7600.	100.	1525.	19000.	.64
KA	CORVO CALDERA	AZORES IS.		2050.	260.	2150.	9000.	.60
KC	COSEGUINA	N.W. NICARAGUA		2640.	550.	860.	10000.	.57
SC	COTOPAXI (1903 CRATER)	NO. ECUADOR		625.	215.	2500.	11500.	.61
SL	COTTEREL MTN. CRATER	USA, SO. IDAHO		410.	27.	37.	2170.	.21
U	COTTRELLS BLOWOUT	USA, SO. IDAHO		405.	30.	27.	473.	.11
KA	COULMAN (ANTARCTICA)	ROSS SEA COAST		6100.	700.	2700.	17000.	.71
C	CRATER 161	USA, NO. ARIZONA		485.	55.	215.	655.	.40
U	CRATER 168	USA, NO. ARIZONA		590.	56.	132.	448.	.10
C	CRATER 171	USA, NO. ARIZONA		785.	132.	169.	758.	.69
C	CRATER 173	USA, NO. ARIZONA		380.	58.	97.	275.	.39
C	CRATER 33	USA, NO. ARIZONA		265.	48.	152.	353.	.69
C	CRATER 36	USA, NO. ARIZONA		495.	41.	118.	338.	.63
C	CRATER 56	USA, NO. ARIZONA		528.	51.	153.	585.	.69
C	CRATER 89	USA, NO. ARIZONA		440.	39.	219.	630.	.63
SL	CRATER BUTTE (4432)	USA, SO. IDAHO		1200.	88.	105.	3375.	.26
SL	CRATER BUTTE (6503)	USA, SO. IDAHO	1	135.	13.	42.	1060.	.25
E	CRATER ELEGANTE	MEXICO, PINACATE		1500.	192.	49.	565.	.70
T	CRATER HILL	NO. IS., N. Z.	1	600.	20.	30.	450.	.65
C	CRATER HILL (ROSS I.)	ANTARCTICA		330.	30.	140.	235.	.59
KCS	CRATER LAKE	USA, SW. OREGON		9750.	925.	900.	13600.	.61
C	CRATER LAKE (CR. 257)	USA, NO. ARIZONA		353.	32.	95.	275.	.87
SI	CRATER LAKE MTN.	USA, NO. CALIF.		1600.	90.	468.	3950.	.33
KCS	CRATER RIDGE, SE ALASKA	KRUZUF I.		2220.	340.	430.	3390.	.50
AP	CREEDE CALDERA	USA, SO. COLORADO	1	17500.	1000.	300.	15000.	.64
C	CRESCENT BUTTE	USA, SO. IDAHO		336.	58.	81.	280.	.65
SL	CROOKS 3 SE (PROV)	USA, SO. IDAHO		460.	12.	124.	4270.	.53
SL	CROOKS 3 NW (PROV)	USA, SO. IDAHO		246.	31.	80.	3125.	.33
SC	CUMBAL	SO. COLOMBIA	1	225.	100.	1750.	11000.	.64
LD	D-CRATER (NAME PROV)	18D40'N/05D20'E		2650.	50.	200.	6175.	.54
D	DAFNI (KAMENAE I.)	SANTORIN, AEGEAN	1	150.	21.	26.	50.	.62
KCS	DAKATAUA (BENDA, TALASEA)	NO. NEW BRITAIN		10600.	420.	1100.	20000.	.59
KA	DAMA ALE	ETHIOPIA C. RIFT		2200.	315.	650.	8500.	.69
SA	DAMAVAND	NO. IRAN		275.	30.	2500.	12000.	.59
AP	DANAU CALDERA	WEST JAVA		13500.	200.	300.	13000.	.55
SL	DAVIS BUTTE	USA, SO. IDAHO	1	180.	5.	73.	1900.	.28
E	DEBRA ZEIT NO. 4A	ETHIOPIA, C RIFT		490.	45.	32.	150.	.47
E	DEBRA ZEIT NO. 4B	ETHIOPIA, C RIFT		600.	45.	14.	100.	.65
KCS	DECEPTION ISLAND	SO. SHETLAND IS.		10300.	450.	775.	14000.	.59
SC	DEMPO	S.W. SUMATRA	1	865.	300.	2300.	15000.	.46
KA	DERIBA (S. JEBEL MARRA)	W. SUDAN	1	8000.	750.	1750.	26000.	.50
T	DIAMOND HEAD	HAWAIIAN I., OAHU		1150.	84.	139.	515.	.66
KA	DIDOLI	ETHIOPIA C. RIFT		3000.	400.	1000.	7500.	.71
SL	DIETRICH BUTTE CRATER	USA, SO. IDAHO	1	350.	14.	130.	3430.	.58
SA	DJEBEL EL-ESI	ARABIA, SE YEMEN		150.	50.	480.	700.	.51
KA	DONDI	ETHIOPIA, W. PLAT	1	7000.	260.	900.	13000.	.49
T	DRY LAKE (CRATER 105)	USA, NO. ARIZONA		1600.	92.	75.	600.	.77
D	DSUNAKI, NORTH	GREECE, METHANA	1	75.	20.	80.	290.	.25
SL	E. OF CRYSTAL BUTTE	USA, SO. IDAHO		400.	35.	45.	1050.	.32
U	EAST CRATER RING	USA SW-CEN IDAHO		1100.	99.	42.	2950.	.60
KO	EAST SEAMOUNT	E. PACIFIC RISE		2100.	130.	1250.	5500.	.51
E	EASY CHAIR CRATER	USA, S-CEN NEVADA		560.	41.	34.	495.	.51
M	EGGERT	E. ICELAND	1	300.	30.	285.	1540.	.13
T	EL CALDERA-EAST	MEXICO, MEX. CITY		770.	74.	108.	150.	.56
T	EL CALDERA-WEST	MEXICO, MEX. CITY		770.	136.	206.	300.	.65
KA	ELANAIROBI	TANZANIA, N. RIFT	1	8000.	300.	1500.	13500.	.49
SL	ELDBORG	W. ICELAND		190.	60.	93.	2480.	.55
MM	ELYSIUM MONS	846A18, 844A17		14600.	1000.	12500.	200000.	.81
KAS	EMI KOUSSI	CHAD, TIBESTI MT		12500.	500.	2300.	26000.	.62

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
KA	EMURUANGOGOLAK (II)	NO. KENYA RIFT	1	4100.	75.	700.	10500.	.58
KMA	ERTA ALE	ETHIOPIA, N.AFAR		1150.	50.	625.	24000.	.19
SA	ETNA (CENTRAL CRATER)	ITALY (SICILY)	1	500.	100.	3250.	25000.	.69
KA	FAIAL CALDERA	AZORES IS.		2000.	465.	2300.	14000.	.67
KAS	FANTALE	ETHIOPIA RIFT		3875.	375.	900.	7500.	.37
KTG	FERNANDINA	GALAPAGOS IS.		5300.	900.	3300.	26000.	.42
KCS	FISHER CALDERA	ALASKA, UNIMAK I.	1	14250.	315.	440.	13000.	.37
C	FISSURE BUTTE	USA, SO. IDAHO		342.	80.	80.	255.	.70
SL	FLAT TOP BUTTE	USA, SO. IDAHO		480.	15.	128.	5500.	.18
KA	FOGO	CAPE VERDE IS.		9000.	600.	4000.	21000.	.64
SA	FOGO (CENTRAL CONE)	CAPE VERDE IS.		500.	150.	1030.	2250.	.55
SC	FOSSA DELLE FELCI	ISOLA DI SALINA	1	555.	75.	2050.	11000.	.67
KA	FURNAS (AZORES I)	SAO MIGUEL I.		6000.	300.	2000.	20000.	.72
SL	G. BEATTIE WELL CONE	USA, SO. IDAHO	1	235.	17.	92.	2150.	.39
AA	GADAMSA CALDERA	ETHIOPIA, C. RIFT	1	8500.	160.	280.	5000.	.46
M	GAESAFJOLL	N. E. ICELAND		1125.	80.	335.	2060.	.53
E	GALYA	E-CEN. KAMCHATKA	1	1245.	255.	40.	400.	.42
AA	GARIBOLDI PASS CALDERA	ETHIOPIA, C. RIFT		6200.	190.	315.	7650.	.47
KC	GAROVE ISLAND	NO. NEW BRITAIN		5750.	300.	1775.	10000.	.72
KA	GAUA IS. (SANTA MARIA)	NO. NEW HEBRIDES	1	7000.	150.	2100.	40000.	.54
T	GAURO	ITALY, NAPLES		1350.	160.	165.	810.	.51
AP	GEDONSURIAN CAULDRON	EAST SUMATRA	1	18000.	250.	400.	11000.	.48
U	GEITSIGUBIB (BRUKKAROS)	NAMIBIA		2470.	230.	610.	1220.	.67
KTG	GENOVESA (TOWER IS.)	GALAPAGOS IS.	1	800.	75.	1530.	9000.	.65
D	GEORGIOS (KAMENAE I.)	SANTORIN, AEGEAN	1	95.	20.	70.	150.	.27
E	GESTSSTADAVATN	S. W. ICELAND	1	425.	25.	15.	90.	.23
E	GHAMA CRATER	TANZANIA, N RIFT		480.	140.	45.	285.	.47
E	GIDABUGURAK	TANZANIA, N RIFT	1	230.	20.	10.	135.	.85
E	GIDARUID	TANZANIA, N RIFT	3	270.	55.	15.	155.	.60
E	GIDAMUNIUD	TANZANIA, N RIFT		300.	32.	5.	180.	.67
T	GIULETTI PLAIN VOLCANO	ETHIOPIA, N.AFAR	1	590.	60.	105.	180.	.74
E	GLASS CREEK CRATER	USA, E-CEN. CALIF		100.	26.	8.	36.	.60
KCS	GOLOVNIN (KUNASHIR I.)	SO. KURILE IS.	1	4750.	330.	400.	5500.	.54
C	GOODRICH CONE	HAWAII, KEA TOP		220.	49.	85.	260.	.79
SI	GOOSENEST (PEAK)	USA, NO. CALIF.		395.	62.	945.	5800.	.43
KA	GRACIOSA CALDERA	AZORES IS.		1210.	180.	1325.	7000.	.35
SL	GRANDVIEW CRATER	USA, SO. IDAHO	1	150.	11.	90.	5000.	.38
C	GRASSY CONE	USA, SO. IDAHO		366.	48.	89.	367.	.42
KMA	GRIMSVOTN	S. E. ICELAND	1	10850.	220.	1000.	7500.	.52
SL	GULLBORGARHRAUN	W. ICELAND	1	175.	40.	55.	2090.	.59
P	HAEY	ICELAND, MYVATN	1	79.	10.	29.	60.	.80
KC	HAKONE CALDERA	JAPAN, SE HONSHU	1	10000.	400.	1000.	10000.	.51
C	MALALII	MAUI, HAWAIIAN I		210.	49.	66.	170.	.71
SL	HALEKAMAHINA	HAWAII, E. RIFT		200.	41.	51.	1050.	.69
KCS	MARGY (GALLOSUELO)	NE NEW BRITAIN	1	11750.	250.	300.	7000.	.55
E	MARO MAJA (D. ZEIT)	ETHIOPIA, C RIFT		875.	115.	30.	162.	.54
C	MAT MOUNTAIN	USA, NO. CALIF.		335.	85.	183.	450.	.64
SL	HATCHERY BUTTE	USA, SO. IDAHO	1	730.	15.	86.	4650.	.42
MM	HECATES THOLUS	ELYSIUM 651A19	1	10200.	400.	5000.	95000.	.55
SI	HEIDHIN HA	S. W. ICELAND	1	320.	10.	250.	3215.	.44
SS	HEIMEIAHULU	HAWAII, EAST RIFT		155.	20.	76.	735.	.23
SA	HEKLA	SO. CEN. ICELAND	1	340.	90.	1000.	10000.	.04
KC	HERBERT ISLAND VOLCANO	ALEUTIANS, AMUTKA		2100.	250.	1160.	6000.	.79
M	HERDHUBREIDH	E. ICELAND		210.	45.	1025.	2450.	.65
U	HIGGINS CRATER	USA, SO. IDAHO		425.	42.	19.	275.	.11
C	HIGH HOLE CRATER	USA, NO. CALIF.		220.	40.	95.	190.	.67
E	HOLE-IN-THE-GROUND	USA, CEN. OREGON		1525.	160.	33.	600.	.72
SCL	HONDON DE GALERAS	SO. COLOMBIA	1	4500.	900.	1500.	10000.	.25
SL	HOUGHLAND RES. BUTTE	USA, SO. IDAHO	1	455.	9.	36.	1650.	.38
T	HROSSABORG	ICELAND, E. MYVATN		415.	31.	32.	165.	.51

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
M	HRUTAFJOLL	N. E. ICELAND		195.	75.	150.	900.	.30
E	HUNT'S HOLE (AFTON 2)	USA, SO. NEW MEX		1600.	56.	20.	1000.	.63
T	HVERFJALL	ICELAND, MYVATN		1040.	117.	117.	300.	.78
SC	IBU (N.W. HALMAHERA)	N. INDONESIA	1	1100.	450.	1600.	6750.	.70
KCS	IDJEN CALDERA	INDONES., E. JAVA		17000.	570.	1500.	21000.	.55
SC	INERI	INDONESIA, FLORES		220.	153.	1400.	5500.	.34
SL	INFERNO CHASM	USA, SO. IDAHO		250.	11.	20.	875.	.50
KTU	ISLA TORTUGA	GULF OF CALIF.		1550.	150.	1535.	10000.	.74
AP	ISLAND PARK	USA, SE. IDAHO	1	33000.	200.	400.	16000.	.59
SC	IWATE (OMATI CRATER)	JAPAN, NO. HONSHU		500.	35.	1600.	5500.	.55
E	IWO JIMA MAAR (1957)	NO. MARIANA IS.		31.	16.	4.	30.	.67
SC	IZALCO	W. EL SALVADOR		186.	32.	665.	1350.	.79
E	JEBEL HEBEISH	NO. SUDAN		800.	40.	30.	250.	.64
KA	JEBEL KHARIZ	SW ARABIA (ADEN)	1	5000.	500.	900.	10000.	.69
MP	JOVIS THOLUS	THARSIS VOLCANO	1	28300.	600.	600.	13700.	.55
SC	KABA	S.W. SUMATRA		1060.	150.	1300.	13000.	.59
KC	KAGUYAK VOLCANO	ALASKA PENINSULA	1	3000.	350.	1780.	3500.	.49
U	KAHUNAI CRATER	HAWAII, E. RIFT	1	220.	29.	15.	80.	.29
SS	KAIMUKI	HAWAIIAN I., OAHU		340.	14.	66.	730.	.31
SL	KALAUPAPA (KAUHAKE CR.)	HAWAII, MOLOKAI		610.	120.	107.	1708.	.53
A	KAMAKAIAUKA	HAWAII, KAU DES.	1	60.	14.	23.	60.	.75
A	KAMAKAIAWAENA	HAWAII, KAU DES.	1	75.	15.	31.	83.	.65
D	KAMENO VOUNO	GREECE, METHANA	1	75.	25.	175.	320.	.77
KCS	KAMUINUPURI (ON MASHU)	JAPAN, E. HOKKAIDO		1500.	370.	570.	1250.	.68
SS	KANE NUI O HAMO	HAWAII, EAST RIFT		300.	55.	75.	650.	.39
T	KAPOHO CRATER	HAWAII, E. RIFT		820.	56.	56.	165.	.68
SA	KARISIMBI	E ZAIRE, W RIFT	1	375.	50.	2300.	12000.	.25
KC	KARKAR CALDERA	N.E. NEW GUINEA		3200.	340.	2100.	17500.	.73
KTU	KARTHALA (INDIAN OC.)	GR. COMORO IS.		3500.	100.	2560.	28000.	.38
KC	KATMAI	ALASKA (SW)		3600.	600.	1000.	6000.	.37
SC	KELUT	EAST JAVA	1	1750.	400.	1300.	25000.	.55
E	KERID CRATER	SO. CEN. ICELAND		235.	50.	20.	60.	.43
SA	KERIMASI	TANZANIA, N RIFT	1	500.	65.	1250.	7000.	.50
SC	KERINTJI	CEN. SUMATRA		590.	365.	2725.	14500.	.68
SL	KETILDYNGJA	N. E. ICELAND		690.	70.	300.	6875.	.34
KC	KETOI IS. CALDERA	CEN. KURILE IS.		2750.	300.	1115.	8400.	.67
SL	KETTLE BUTTE-NW CONE	USA, SO. IDAHO	1	390.	7.	81.	4300.	.47
SI	KIEJO	SW TANZANIA	1	1000.	35.	700.	4300.	.55
AP	KIKAI CALDERA	JAPAN, SO. KYUSHU	1	20800.	400.	350.	18000.	.45
KTH	KILAUEA	HAWAII	2	5600.	100.	3900.	56000.	.46
E	KILBOURNE HOLE (AFTON 1)	USA, SO. NEW MEX		2600.	110.	25.	1600.	.44
KA	KILIMANJARO (KIBO CR.)	N.W. TANZANIA		2650.	50.	4700.	25000.	.56
SL	KILOHANA	HAWAII, KAUAI		1000.	55.	195.	3560.	.47
AA	KILOMBE	SW KENYA, E. RIFT	1	2650.	190.	250.	1900.	.40
E	KILOTES (DEBRA ZEIT 6)	ETHIOPIA, C RIFT	1	1950.	66.	25.	825.	.50
SL	KIMAMA BUTTE	USA, SO. IDAHO		385.	12.	225.	8500.	.19
E	KINO CRATER	MEXICO, PINACATE		915.	37.	27.	100.	.58
M	KJALFELL	CEN. ICELAND	1	250.	30.	330.	1750.	.42
SL	KJALHRAUN	CEN. ICELAND	1	425.	20.	165.	5000.	.30
SC	KLABAT (N. CELEBES)	N. INDONESIA		210.	30.	1995.	9000.	.44
KTH	KOHALA CALDERA	HAWAII	2	4000.	150.	3500.	50000.	.44
T	KOKO CRATER	HAWAIIAN I., OAHU		845.	135.	215.	600.	.64
T	KOKO HEAD	HAWAIIAN I., OAHU		1400.	105.	100.	550.	.55
SI	KOLLOTTADYNGJA	E-CEN. ICELAND		550.	60.	470.	4000.	.40
KTH	KOOLAU CALDERA	OAHU, HAWAIIAN I.	2	12000.	300.	4200.	49000.	.40
SC	KOROVIN VOLCANO	ALUTIAN I., ATKA		950.	400.	1400.	4275.	.52
D	KOSSONA	GREECE, METHANA	1	98.	42.	120.	250.	.73
KCS	KRAKATAU (1883 CALDERA)	INDONES., SUNDA	1	8500.	400.	200.	7500.	.30
KC	KRASHENNIKOV CALDERA	E-CEN. KAMCHATKA	1	9000.	350.	600.	9000.	.67
KC	KSUDACH CALDERA	SO. KAMCHATKA		8000.	400.	900.	12000.	.59

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIPC
KAS	KUFENA (NAME PROV.)	ETHIOPIA, W. PLAT		9875.	280.	560.	12000.	.63
KC	KUNTOMINTAR (SHIASHKO)	NO. KURILE IS.	1	2100.	400.	910.	5850.	.72
AP	KUTCHARO CALDERA	JAPAN, N. HOKKAIDO	1	24000.	550.	600.	20000.	.49
KCS	KUTTARA	JAPAN, SW HOKK.		3300.	450.	450.	3000.	.69
M	KVIHOLAFJOLL	N. E. ICELAND	1	475.	45.	145.	1010.	.34
U	LA CALDERA (TABURIENTE)	AZORES I (PALMA)	1	7800.	750.	5750.	45000.	.50
T	LA CALDERA DE ALEGRANZA	CANARY I.		1140.	210.	190.	700.	.79
E	LA PRECIOSA	MEXICO, ORIZABA		1300.	138.	35.	200.	.29
E	LAC DE LA FEMME	NW, CAMEROON		1000.	260.	125.	225.	.67
E	LAC KIRWA CRATER	E ZAIRE, W RIFT		1230.	170.	70.	400.	.55
E	LAGO DI ALBANO	ITALY, LATIUM		3750.	367.	167.	2500.	.50
KAS	LAGO DI BOLSENA	ITALY, LATIUM		17700.	325.	350.	18000.	.59
KAS	LAGO DI BRACCIANO	ITALY, LATIUM		11000.	275.	100.	10000.	.64
E	LAGO DI NEMI	ITALY, LATIUM		2950.	265.	70.	1000.	.41
KAS	LAGO DI VICO	ITALY, LATIUM		7350.	260.	510.	14000.	.55
KCS	LAGUNA DE AYARZA	S.W. GUATEMALA	1	6150.	735.	600.	10000.	.44
SL	LAIDLAW BUTTE	USA, SO. IDAHO		735.	35.	162.	4300.	.24
E	LAJA CRATER	TANZANIA, N RIFT	3	400.	25.	6.	385.	.39
U	LAKE ATITLAN DEPRESSION	W. GUATEMALA		20000.	800.	1500.	14000.	.62
E	LAKE BISHOFTU	ETHIOPIA, C RIFT		1305.	138.	31.	300.	.49
KCS	LAKE COATEPEQUE	W. EL SALVADOR		8750.	500.	1000.	6000.	.36
E	LAKE DALNEE	E-CEN. KAMCHATKA		1100.	80.	43.	650.	.74
E	LAKE HORA (PAWLO)	ETHIOPIA, C RIFT		1075.	97.	23.	230.	.67
AP	LAKE ILOPANGO	W. EL SALVADOR		13000.	570.	600.	9000.	.50
E	LAKE SIMBI EXPLOSION CR	S.W. KENYA		700.	25.	10.	200.	.55
AP	LAKE TAAL (BOMBON)	CEN. LUZON, P.I.	1	26000.	500.	350.	22000.	.47
SL	LAMBAHRAUN	W-CEN. ICELAND		525.	50.	190.	5375.	.56
SC	LAMONGAN	EAST JAVA		335.	162.	1600.	10000.	.66
KTH	LANAI CALDERA	LANAI, HAWAIIAN I	1	3500.	100.	3000.	40000.	.62
KCS	LAS LAJAS CALDERA	W. NICARAGUA	1	6700.	300.	400.	7500.	.64
SC	LAS PILAS	W. NICARAGUA		600.	120.	750.	5000.	.66
LC	LASSELL HJ (APOLLO DATA)	15000'S/10050'W		1500.	240.	175.	525.	.80
SC	LASSEN PEAK	USA, NO. CALIF.	1	450.	110.	1380.	11500.	.40
C	LAVA BUTTE CONE	USA, CEN. OREGON		190.	37.	153.	245.	.83
SL	LAVA BUTTE SHIELD	USA, SO. IDAHO	1	140.	11.	54.	1150.	.31
SL	LAVATOO	USA, SO. IDAHO	1	400.	11.	43.	1100.	.18
C	LENOX CRATER	USA, NO. ARIZONA		488.	32.	74.	306.	.74
SC	LEWOTOBI PERAMPUAN	INDONESIA, FLORES		365.	95.	1630.	7500.	.71
A	LILEWA CRATER	HAWAII, E. RIFT	1	90.	27.	42.	205.	.70
A	LILEWA CRATER - EAST	HAWAII, E. RIFT	1	80.	21.	23.	60.	.56
A	LILEWA CRATER - WEST	HAWAII, E. RIFT	1	70.	35.	37.	70.	.73
U	LION'S JAW CALDERA	SO. KURILE IS.	1	8290.	780.	370.	5000.	.56
T	LITTLE BEAGLE	GALAPAGOS, ISABEL		700.	100.	100.	420.	.83
SL	LITTLE BUTTE	USA, SO. IDAHO	1	370.	24.	41.	1045.	.52
SL	LITTLE GRASSY RIDGE	USA, SO. IDAHO		320.	13.	103.	9900.	.43
C	LITTLE ODELL BUTTE	USA, CEN. OREGON		342.	51.	183.	580.	.70
E	LITTLE SODA LAKE	USA, W-CEN NEVADA		425.	26.	6.	95.	.65
E	LJOTI-POLLUR	ICELAND (SO.)		1233.	119.	74.	545.	.28
SC	LLAIMA	CENTR. CHILE		275.	100.	1200.	5000.	.33
U	LOFIA CONE	TOFUA, TONGA IS.		644.	122.	153.	213.	.60
KCS	LONG ISLAND	N.E. NEW GUINEA		12800.	575.	1700.	18000.	.54
AP	LONG VALLEY CALDERA	USA, E. CEN CALIF	1	26000.	500.	500.	20000.	.29
KAS	LONGONOT	KENYA, SO. RIFT		1825.	295.	540.	2960.	.51
SI	LOOKOUT MTN.	USA, CEN. OREGON	1	155.	8.	510.	3670.	.73
T	LUDENT	ICELAND, MYVATN		950.	80.	85.	300.	.62
E	LUNAR CRATER	USA, S-CEN NEVADA		1200.	131.	30.	350.	.67
AP	LUNAR LAKE CALDERA	USA, CEN. NEVADA	1	19500.	450.	700.	20000.	.59
SL	LYNGDALSHEIDI	W-CEN. ICELAND	1	450.	25.	220.	4900.	.40
KA	MA'ALALTA (P. PRUVOST)	ETHIOPIA C. RIFT		3200.	275.	800.	6500.	.49
E	MACDOUGAL CRATER	MEXICO, PINACATE		1630.	80.	15.	300.	.75

CLASS	NAME	LOCATION	NR	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
SC	MAGEIK VOLCANO	ALASKA PENINSULA		350.	100.	1550.	9000.	.44
T	MAKALAPA CRATER	HAWAIIAN I., OAHU		955.	6.	17.	350.	.67
SC	MAKIAN (W.OF HALMAHERA)	N. INDONESIA	1	1475.	365.	1325.	8000.	.52
KC	MAKUSHIN CALDERA	ALEUT., UNALASKA	1	2800.	750.	1200.	11000.	.56
D	MALISSA	GREECE,METHANA	1	200.	30.	140.	390.	.40
D	MALJA	GREECE,METHANA	1	150.	30.	85.	210.	.44
D	MALJA A	GREECE,METHANA	1	95.	5.	45.	80.	.A1
KA	MALLAHLE (BIDU SO-CEN)	ERITREA	1	5750.	400.	1400.	20000.	.65
E	MALPAIS MAAR	USA, SO. NEW MEX	1	1250.	43.	12.	380.	.71
E	MALPAIS TANK MAAR	SE ARIZONA, USA	1	2500.	35.	13.	875.	.74
T	MANANA ISLAND	HAWAIIAN I., OAHU	1	335.	45.	70.	285.	.40
T	MANGERE LAGOON	NO. IS., N. Z.	1	650.	45.	30.	375.	.63
KCS	MANINDJAU LAKE CALDERA	CENTRAL SUMATRA		18000.	1000.	1050.	19000.	.28
LD	MARALDI B 1SE (61A2S01)	14D13'N/35D54'E		1600.	70.	130.	3400.	.45
LD	MARALDI B 2NW (61A2S01)	14D18'N/35D40'E		1700.	185.	90.	3400.	.49
SS	MARGUR GIGAN	S. W. ICELAND	1	140.	20.	50.	580.	.36
C	MARDOON CRATER	USA, NO. ARIZONA		258.	40.	116.	326.	.76
U	MASAYA CALDERA	W. NICARAGUA	1	8250.	100.	100.	3400.	.28
KCS	MASHU CALDERA	JAPAN,E HOKKAIDO		6500.	450.	425.	9000.	.52
KMA	MAT'ALA	ETHIOPIA C. RIFT		3125.	360.	375.	13500.	.62
SA	MATAVANU (SAMOAN IS.)	NE. SAVAII I.	1	275.	30.	500.	5000.	.65
C	MATUPI CONE	NEW BRIT. RARAU		325.	60.	180.	563.	.39
KC	MAUG IS. CALDERA	NO. MARIANA IS.	1	2400.	400.	2350.	12000.	.71
SL	MAUNA IKI	HAWAII, KAU DES.	1	100.	15.	40.	1075.	.70
KTH	MAUNA KEA BURIED CALD.	HAWAII	2	2450.	150.	4300.	61000.	.52
KTH	MAUNA LOA	HAWAII	2	5600.	115.	5100.	73000.	.24
SS	MAUNA ULU (DEC.,1974)	HAWAII,EAST RIFT		135.	130.	120.	685.	.51
KA	MAYOR ISLAND	NO. NEW ZEALAND		2900.	200.	575.	4050.	.63
U	MBALE CALDERA (ELGON)	E. UGANDA	1	13350.	500.	800.	18000.	.57
KMA	MEDICINE LAKE	USA, NO. CALIF.	1	8500.	150.	800.	20000.	.35
AA	MENENGAI CALDERA	KENYA, CEN. RIFT	1	10000.	150.	200.	7500.	.41
SC	MERE LAVA	NO. NEW HEBRIDES		900.	200.	2000.	7000.	.42
C	MERRIAM CRATER	USA, NO. ARIZONA		555.	83.	320.	668.	.52
KA	MERU	NE TANZANIA	1	5900.	530.	2500.	17000.	.37
SA	MERU - INNER CONE	NE TANZANIA		206.	47.	425.	950.	.47
SL	MICRO-5493 CRATER	USA, SO. IDAHO	1	410.	18.	63.	2700.	.13
D	MIKRA (KAMENAE I.)	SANTORIN, AEGEAN	1	60.	40.	60.	120.	.59
E	MINIDOKA CRATER	USA, SO. IDAHO		1000.	37.	12.	300.	.46
E	MOLINA CRATER	MEXICO, PINACATE		550.	50.	12.	490.	.41
D	MONTE GIARDINA	LIPARI I., ITALY	1	245.	45.	210.	425.	.56
D	MONTE GUARDIA	LIPARI I., ITALY	1	90.	20.	130.	320.	.80
C	MONTE NUOVO	ITALY, NAPLES		400.	102.	89.	400.	.68
KAS	MONTE SOMMA (VESUVIUS)	ITALY,NAPLES	1	3700.	500.	850.	7000.	.65
KA	MONTS MANENGOUBA	NW. CAMEROON		3900.	375.	1200.	17000.	.66
C	MONUMENT BLUFF	USA, SO. ARIZONA	1	210.	20.	45.	250.	.68
SL	MONUMENT BUTTE	USA, SO. IDAHO	1	210.	7.	62.	1150.	.21
U	MOON CRATER	USA, NO. ARIZONA		1170.	54.	121.	765.	.72
E	MOON CRATER ("LUNA")	MEXICO, PINACATE		793.	21.	15.	185.	.59
SL	MOSBY BUTTE NE	USA, SO. IDAHO	1	315.	22.	44.	1220.	.59
SL	MOSBY WELL DOME	USA, SO. IDAHO		600.	30.	70.	2700.	.36
KA	MOULTON (ANTARCTICA)	MARIE BYRD LAND	1	4500.	200.	1100.	9000.	.70
U	MOUNT ASMARA (BUYOT)	ETHIOPIA,C.AFAR		760.	55.	240.	705.	.79
SC	MOUNT ST. HELENS 4/1980	SO. WASH., USA	1	425.	150.	1500.	5200.	.40
SCL	MOUNT ST. HELENS 5/1980	SO. WASH., USA	1	2750.	850.	1020.	4000.	.28
SC	MT. BAKER	USA, NO. WASH.	1	675.	180.	2500.	13000.	.53
KA	MT. CUMMING (ANTARCTICA)	MARIE BYRD LAND	1	4100.	100.	350.	8000.	.78
U	MT. EDGEUMBE	NO. IS., N.Z.	1	70.	64.	595.	1370.	.28
SC	MT. EDGEUMBE, SE ALASKA	KRUZOF I.		860.	133.	907.	5070.	.55
SC	MT. EGMONT	NO. NEW ZEALAND	1	300.	50.	2500.	25000.	.16
C	MT. ELEPHANT	AUSTRALIA, VICT.		550.	80.	115.	450.	.65

CLASS	NAME	LOCATION	NR	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
KA	MT. ELGON	S KENYA-E UGANDA		7900.	360.	2260.	30000.	.49
SA	MT. EREBUS	ANTARCTIC, ROSS I		550.	160.	4290.	30000.	.55
KA	MT. FLINT (ANTARCTICA)	MARIE BYRD LAND	1	3000.	150.	900.	8000.	.70
KA	MT. FRANKS (ANTARCTIC)	MARIE BYRD LAND	1	2440.	100.	1850.	9000.	.48
SC	MT. FUJI	JAPAN, C. HONSHU	1	700.	100.	3700.	19000.	.62
SS	MT. HAMILTON	AUSTRALIA, VICT.		400.	30.	80.	1000.	.69
KA	MT. HAMPTON (ANTARCTICA)	MARIE BYRD LAND	1	5620.	250.	900.	9200.	.59
KMA	MT. KULAL	NO. KENYA	1	2470.	150.	1450.	24000.	.51
SCL	MT. LAMINGTON	S.E. PAPUA	1	1200.	550.	1450.	14500.	.52
SC	MT. MAYON	SE LUZON, P.I.	1	400.	75.	2300.	8000.	.75
SC	MT. MISERY (ST. KITTS)	LEEWARD I. CARIB.		890.	280.	1180.	6075.	.58
SC	MT. RAINIER	USA, S.W. WASH.	1	350.	100.	2440.	9000.	.74
KA	MT. SIDLEY (ANTARCTICA)	MARIE BYRD LAND	1	4600.	500.	1500.	9200.	.76
SC	MT. TONGARIRO (NORTH)	NO. IS., N.Z.	1	1070.	100.	1200.	11000.	.74
KC	MT. TUDJUH	W. CENTR SUMATRA	1	6500.	320.	1400.	7750.	.50
SC	MT. VSEVIDOF	ALEUTIANS, UMNAK		1500.	275.	1930.	7500.	.78
SL	N. OF MULE BUTTE	USA, SO. IDAHO	1	220.	10.	35.	1765.	.35
KO	N.W. PACIFIC BASIN "A"	NORTHWEST PACIFIC	1	2320.	45.	870.	4090.	.30
KO	N.W. PACIFIC BASIN "B"	NORTHWEST PACIFIC	1	1525.	115.	615.	3235.	.69
KO	N.W. PACIFIC BASIN "J"	NORTHWEST PACIFIC	1	2815.	270.	935.	3470.	.53
KO	N.W. PACIFIC BASIN "P"	NORTHWEST PACIFIC	1	2300.	140.	650.	1975.	.75
C	NABOIYOTON	NO. KENYA	1	653.	140.	195.	525.	.79
KA	NABRO (BIDU PILE, NO.)	ERITREA	1	8900.	400.	1700.	20000.	.53
KA	NAGARAMASAINIA	NO. KENYA		3220.	125.	600.	7500.	.62
E	NANWAKSIAK	ALEUT. NUNIVAK I	1	820.	256.	74.	390.	.50
KC	NAMA-JAROMA (PROV)	NO. CHILE	1	6750.	500.	1400.	10500.	.47
E	NDANAKID CRATER	TANZANIA, N RIFT	3	515.	50.	26.	110.	.64
E	NOBOT CRATER	TANZANIA, N RIFT	3	520.	65.	43.	350.	.85
C	NE CRATER 1971 (ETNA)	ITALY (SICILY)		105.	28.	42.	70.	.56
D	NEA (KAMENAE I.)	SANTORIN, AEGEAN	1	120.	10.	40.	90.	.53
A	NEAR DAVIS MTN.	USA, CEN. OREGON		80.	27.	55.	130.	.73
P	NEAR STAKHOLSTJORN LAKE	ICELAND, MYVATN	1	95.	20.	25.	50.	.73
SL	NECK CRATER	USA, SO. IDAHO	1	500.	21.	75.	4250.	.08
KCS	NEMO (ONEKOTAN I.)	NO. KURILE IS.	1	8500.	350.	550.	9000.	.56
KC	NEMRUT DAGI (N. GOLU)	E. TURKEY		7000.	600.	1330.	11500.	.53
KMA	NEWBERRY CALDERA	USA, SW. OREGON		8100.	325.	900.	22000.	.56
SC	NGAURUHOE	NO. NEW ZEALAND		450.	116.	720.	1750.	.75
AA	NGORONGORO	TANZANIA, N RIFT		22000.	500.	800.	12000.	.57
KA	NGOZI	SW TANZANIA		3250.	375.	1000.	7900.	.54
KA	NGURDOTO	NE TANZANIA	1	2700.	150.	400.	5000.	.50
D	NIKI (KAMENAE I.)	SANTORIN, AEGEAN	1	40.	9.	75.	53.	.47
KCS	NISYROS	SE. AEGEAN SEA		3600.	300.	675.	5700.	.76
KTU	NIUAFO'OU	TONGA IS.		5500.	240.	2450.	32500.	.65
C	NO OF SIAH BUTTE (PROV)	USA, CEN. OREGON		171.	19.	90.	230.	.53
T	NORTH MENAN BUTTE	USA, SE. IDAHO		950.	77.	192.	1125.	.61
KC	NORTH PAGAN	CEN. MARIANA IS.	2	6000.	150.	2150.	21000.	.51
E	NORTH TWIN LAKE	USA, CEN. OREGON		1300.	48.	24.	575.	.52
SL	NW OF ANTELOPE BUTTE	USA, SO. IDAHO		375.	11.	43.	2185.	.51
SL	NW. OF SNOWSHOE BUTTE	USA, SO. IDAHO		470.	93.	97.	2665.	.72
KMA	NYAMURAGIRA	E ZAIRE, W RIFT		2200.	50.	1140.	16000.	.75
KA	NYIRAGONGO	E ZAIRE, W RIFT		1200.	340.	1660.	10000.	.74
AA	O'A (L. SHALA) CALDERA	ETHIOPIA, C. RIFT	1	17500.	400.	150.	9000.	.49
SI	OK	W-CEN. ICELAND	1	1020.	50.	570.	6275.	.73
KC	OKMOK CALDERA	ALEUT. I., UMNAK		11000.	450.	855.	13000.	.63
SA	OL DOINYO LENGAI	TANZANIA, N RIFT		600.	150.	1950.	7000.	.56
E	OLD OINYO LOOLMURWAK	TANZANIA, N RIFT	1	915.	130.	30.	200.	.78
KTH	OLOKELE CALDERA	KAUAI, HAWAIIAN I	1	18000.	300.	4900.	63500.	.45
KA	OLOLMOTI	TANZANIA, N RIFT		6750.	200.	1750.	13000.	.64
MM	OLYMPUS MONS / THARSIS	100-MODEL VO MAP		80000.	2500.	24600.	360000.	.50
P	ON RIFSHOFDI I	ICELAND, MYVATN		92.	6.	16.	80.	.60

CLASS	NAME	LOCATION	NR	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
P	ON RIFSHOFDI 2	ICELAND, MYVATN		69.	5.	10.	45.	.59
P	ON RIFSHOFDI 3	ICELAND, MYVATN		26.	3.	5.	13.	.35
P	ON RIFSHOFDI 4	ICELAND, MYVATN		16.	1.	4.	17.	.36
P	ON RIFSHOFDI 5	ICELAND, MYVATN		14.	2.	8.	14.	.76
LH	ON RIMA ALPHONSUS II	770351(50)	1	1350.	165.	10.	500.	.59
KTU	OSHIMA (E-CEN. MONSHU)	JAPAN, IZU IS.		3500.	100.	1000.	13000.	.55
KCS	OSOREYAMA	JAPAN, N. MONSHU	1	6100.	300.	500.	6500.	.54
U	PACKSADDLE BUTTE	USA, SO. IDAHO		500.	22.	23.	425.	.53
KAS	PANTELLARIA	TUNIS-SICILY STR		6100.	100.	1250.	13500.	.64
E	PARAMORE CRATER	SE ARIZONA, USA		2440.	115.	55.	1280.	.60
C	PARICUTIN	MEXICO, MICHOACAN	1	260.	150.	315.	420.	.72
MM	PAVONIS MONS	THARSIS MONTES	1	48000.	3000.	17000.	206000.	.77
KA	PAYUN-MATRU	W. CEN. ARGENTINA		8500.	160.	2000.	28000.	.56
C	PENGUIN ISLAND CONE	SO. SHETLAND IS.		350.	35.	155.	370.	.61
E	PETREL CR. (PENGUIN I.)	SO. SHETLAND IS.	1	305.	55.	10.	270.	.61
KO	PHILIPPINE BASIN "C"	W. PHIL. BASIN	1	2850.	55.	650.	3075.	.63
KO	PHILIPPINE BASIN "F"	W. PHIL. BASIN	1	2950.	215.	1140.	4775.	.26
KO	PHILIPPINE BASIN "F,1"	W. PHIL. BASIN	1	1445.	195.	285.	1525.	.54
KO	PHILIPPINE BASIN "V"	W. PHIL. BASIN	1	2800.	55.	591.	3350.	.70
KO	PHILIPPINE BASIN "V,1"	W. PHIL. BASIN	1	1000.	24.	148.	1250.	.47
KO	PHILIPPINE BASIN "Z"	W. PHIL. BASIN	1	1000.	27.	100.	1065.	.64
SL	PICABO 3 SE (PROV)	USA, SO. IDAHO		480.	16.	142.	2700.	.36
SL	PICABO 4SW (PROV)	USA, SO. IDAHO		780.	15.	146.	8100.	.57
KA	PICO BIAO	FERNANDO POO	1	1550.	250.	1250.	7250.	.68
A	PIHAKEKUA	HAWAII, KAUAI		200.	18.	19.	150.	.69
SL	PINE BUTTE (E)	USA, SO. IDAHO	1	380.	29.	68.	3600.	.62
C	PINNACLE CRATER	USA, NO. ARIZONA		215.	35.	100.	237.	.64
KTG	PINZON (DUNCAN IS.)	GALAPAGOS IS.	1	1300.	120.	550.	10000.	.62
KTU	PITON DE LA FOURNAISE	REUNION, IND. OC.		850.	100.	600.	4200.	.48
AP	PLATORO CALDERA	USA, COLO-N. MEX	1	22000.	500.	750.	20000.	.58
KC	PLOSKY TOLBACHIK (1977)	CEN. KAMCHATKA	1	3800.	410.	2700.	10500.	.58
SC	POAS	COSTA RICA		1250.	250.	1900.	17000.	.59
SC	POPOCATEPETL	CEN. MEXICO		506.	420.	3000.	17500.	.43
E	POTRILLO MAAR	USA, SO. NEW MEX		4000.	61.	29.	1200.	.44
KA	POVOACAO CALDERA	AZORES IS.	1	6500.	450.	2100.	20000.	.73
SL	PRATT BUTTE	USA, SO. IDAHO	1	570.	18.	81.	2840.	.43
U	PRETORIA SALT PAN	SOUTH AFRICA	1	1035.	170.	31.	185.	.80
SI	PROSPECT PEAK	USA, NO. CALIF.	1	210.	15.	610.	3400.	.60
T	PUKAKI	NO. IS., N. Z.	1	690.	25.	25.	500.	.60
E	PULVERMAAR	W. GERMANY, EIFEL	1	850.	124.	10.	100.	.77
T	PUNCHBOWL	HAWAIIAN I., OAHU		600.	21.	104.	410.	.66
T	PUNTA BAQUERIZO, NORTH	GALAPAGOS, S. SALV	1	850.	260.	245.	775.	.70
T	PUNTA BAQUERIZO, SOUTH	GALAPAGOS, S. SALV	1	800.	183.	152.	537.	.67
KC	PURPLE (BLACK PEAK)	ALASKA PENINSULA		3100.	160.	700.	8950.	.52
A	PUU HONUAULU	HAWAII, EAST RIFT		160.	40.	49.	145.	.70
A	PUU HULUHULU	HAWAII, EAST RIFT		130.	45.	52.	360.	.65
C	PUU KA PELE	HAWAII MAUNA KEA		396.	76.	94.	168.	.73
C	PUU MAKANAKA	HAWAII M. KEA TOP		440.	88.	171.	355.	.72
C	PUU NAUE	MAUI, HAWAIIAN I		235.	55.	95.	213.	.70
C	PUU O MAUI	MAUI, HAWAIIAN I		210.	42.	136.	315.	.71
A	PUU WANAWANA	HAWAII, KAUAI		150.	23.	31.	110.	.71
C	PUY DE PARIQU	FRANCE, AUVERGNE		315.	35.	125.	485.	.73
SL	QUAKING ASPEN BUTTE	USA, SO. IDAHO	1	440.	20.	163.	3780.	.29
E	QUECHOLAC	MEXICO, ORIZABA		1350.	143.	37.	200.	.49
SA	QUEEN MARY'S PEAK	TRISTAN DA CUNHA		420.	60.	4900.	20000.	.70
KCS	QUILLOTA	NO. ECUADOR	1	3500.	450.	1000.	3500.	.65
T	RABALANAKAIA	NEW BRIT., RABAU		465.	60.	100.	400.	.74
KCS	RABAU CALDERA	NE NEW BRITAIN	1	12300.	350.	370.	11000.	.43
SC	RADJABASA	S.E. SUMATRA		600.	118.	1215.	7500.	.48
AP	RANAU	SO. SUMATRA	1	16500.	700.	750.	20000.	.45

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
C	RANGITOTO SCORIA CONE	NO. IS., N.Z.		175.	50.	115.	250.	.60
T	RANO RARAKU	EASTER ISLAND		613.	60.	75.	295.	.66
U	RANO-KAO	EASTER ISLAND	4	1600.	200.	300.	3500.	.78
KTU	RAOUL IS. CALDERA	KERMADEC IS.	1	2600.	500.	2400.	40000.	.35
SL	RAUDHVALS	W. ICELAND	1	190.	25.	105.	2155.	.47
D	RECK (KAMENAE I.)	SANTORIN, AEGEAN	1	17.	16.	18.	14.	.44
C	RED CRATER	USA, CEN. OREGON		252.	56.	111.	214.	.56
D	RETHI, EAST	GREECE, METHANA	1	170.	50.	90.	165.	.85
D	RETHI, SOUTH	GREECE, METHANA	1	185.	50.	85.	185.	.30
KTU	REUNION	W. INDIAN OCEAN	1	9200.	200.	5000.	40000.	.55
SC	REVENTADOR *	NO. ECUADOR		1050.	300.	2400.	14500.	.82
LD	RIMA ARISTARC. 8 (APOLLO	30030°N/49010°W		1275.	75.	65.	2235.	.30
SL	RIPLEY BUTTE	USA, SO. IDAHO		354.	14.	66.	2825.	.75
KAS	ROCCAMONFINA	ITALY, LATIUM		5750.	140.	690.	8000.	.66
SL	ROCKY 4526 BM (PROV)	USA, SO. IDAHO		830.	23.	94.	9600.	.41
AP	ROTORUA CALDERA	NO. NEW ZEALAND	1	16500.	100.	300.	20000.	.56
C	ROUND MTN	USA, NW-CEN CALIF		225.	18.	91.	260.	.71
SC	RUANG (1904) (SANGINE)	N. INDONESIA	1	325.	150.	915.	10000.	.73
KC	RUAPAHU	NO. NEW ZEALAND		3000.	250.	1850.	16000.	.48
U	RUGARAMA- 1971 PARASITE	E ZAIRE, W RIFT		200.	40.	85.	375.	.46
KA	RUNGWE	SW TANZANIA		4350.	150.	950.	5300.	.51
U	SAN FRANCISCO PK CALD.	USA, NO. ARIZONA		3500.	500.	1265.	8000.	.56
C	S. P. MTN. CRATER	USA, NO. ARIZONA		350.	98.	244.	425.	.76
SC	SAKAR ISLAND	W. NEW GUINEA		1375.	325.	2000.	7500.	.71
SC	SAKURAJIMA	JAPAN, SO. KYUSHU		595.	120.	1125.	5000.	.55
T	SALT LAKE CRATER	HAWAIIAN I., OAHU	1	1875.	60.	54.	1000.	.45
KA	SAN CARLOS (FERN. POO)	GULF OF GUINEA		5250.	900.	2000.	15000.	.68
KMA	SAN MARTIN (TUXTLA)	SE. MEXICO	1	3500.	100.	950.	7500.	.44
SC	SAN SALVADOR	CEN. EL SALVADOR		1650.	485.	1300.	7000.	.82
T	SAND BUTTE	USA, SO. IDAHO		667.	83.	65.	465.	.73
SI	SANDFELL	W-CEN. ICELAND	1	275.	20.	260.	3000.	.22
KCS	SANTORIN (THERA)	SO. AEGEAN SEA		10500.	600.	700.	10000.	.32
SC	SARYCHEV PEAK (MATUA I)	CEN KURILE IS.	1	250.	150.	1500.	4000.	.70
KC	SEGERA CALDERA	INDONESIA, LOMROK	1	8500.	425.	2460.	30000.	.40
KC	SEKINTJAU BELIRANG	S.W. SUMATRA	1	2250.	345.	885.	8000.	.60
SL	SELVOGSHEIDI	S. W. ICELAND		350.	10.	105.	2425.	.22
SC	SEMERU	EAST JAVA		575.	264.	3350.	22000.	.59
KCS	SEMISOPOCHNOI	ALEUTIAN IS.	1	9000.	600.	750.	15000.	.66
KAS	SENGIYA/TEMBERO (PROV)	ETHIOPIA, W. PLAT		7200.	180.	930.	10000.	.59
LC	SERENITATIS-1 (42C352)	18038°N/27038°E		925.	60.	72.	700.	.53
LC	SERENITATIS-2 (42C352)	18057°N/27028°E		635.	30.	60.	550.	.55
SL	SERVICEBERRY BUTTE	USA, SO. IDAHO		330.	11.	54.	2080.	.25
KA	SETE CIDADES (AZORES I)	SAO MIGUEL I.	1	5500.	330.	2000.	17000.	.67
SL	SHALE BUTTE	USA, SO. IDAHO	1	80.	6.	40.	1185.	.35
SI	SHERIDAN MTN.	USA, CEN. OREGON		354.	60.	530.	4100.	.47
E	SHEWEWE NO. 1	TANZANIA, N RIFT	1	170.	20.	6.	150.	.45
AP	SHIKOTSU CALDERA	JAPAN, S. HOKKAIDO		14500.	780.	450.	15000.	.64
SCL	SHIVELUCH (1964 CRATER)	CEN. KAMCHATKA	1	2250.	500.	2700.	14000.	.27
KTG	SIERRA NEGRA	GALAPAGOS IS.		8700.	150.	3300.	35000.	.64
KAS	SILALI (LOPOKINO)	KENYA, CEN. RIFT		6600.	250.	475.	8500.	.42
KAS	SILVER PEAK CALDERA	USA, SW. NEVADA	1	10500.	300.	1000.	10000.	.34
KC	SIRUNG	INDONES, PANTAR I		1750.	200.	600.	5500.	.56
SS	SKALARFELL	S. W. ICELAND	1	87.	15.	75.	930.	.72
SL	SKALPANES	CEN. ICELAND		490.	35.	225.	3940.	.39
SS	SKJALDBAKKA	N. E. ICELAND	1	175.	25.	60.	415.	.40
SI	SKJALDBREIDUR	W-CEN. ICELAND		350.	60.	590.	5510.	.56
M	SKRIDHAN	W. CEN. ICELAND	1	325.	85.	445.	2100.	.20
SC	SLAMET	CEN. JAVA		430.	150.	3280.	21000.	.77
SL	SNOWDRIFT CRATER	USA, SO. IDAHO	1	950.	41.	62.	2750.	.11
LH	SO. OF ALPHONSUS CA	SPEC APOLLO DATA	1	2220.	325.	40.	2600.	.42

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIPC
SL	SO. OF MOSBY BUTTE	USA, SO. IDAHO	1	140.	5.	65.	1100.	.36
KA	SOCORRO ISLAND	E. PACIFIC RISE	1	3800.	100.	3600.	22000.	.51
E	SODA LAKE	USA, W-CEN NEVADA		1500.	75.	20.	560.	.51
T	SOLFATARA	ITALY, NAPLES		648.	63.	71.	505.	.57
SI	SOLKATLA	CEN. ICELAND	1	315.	15.	325.	3000.	.75
SC	SORIKMARAPI	NO. SUMATRA	1	600.	150.	1400.	10000.	.65
KA	SORKALE	ETHIOPIA-ERITREA	1	1200.	125.	725.	2650.	.64
SC	SOUFRIERE (ST. VINCENT)	WINDWARD I. CARIB		1460.	618.	2000.	9500.	.66
T	SOUTH MENAN BUTTE	USA, SE. IDAHO		1000.	55.	117.	750.	.49
KC	SOUTH PAGAN	CEN. MARIANA IS.	2	3000.	200.	2200.	23000.	.48
C	SOUTH SHERA	USA, NO. ARIZONA		430.	55.	139.	460.	.80
E	SOUTH TWIN LAKE	USA, CEN. OREGON	1	975.	37.	18.	460.	.64
U	SPLIT BUTTE	USA, SO. IDAHO		520.	40.	22.	390.	.68
SL	SPLIT TOP	USA, SO. IDAHO	1	360.	21.	102.	4900.	.18
KA	ST. BARBARA (AZORES I.)	TERCEIRA I.		2100.	100.	2000.	15000.	.44
KTU	ST. PAUL (CRATER IS.)	SO. INDIAN OCEAN	1	1600.	307.	1250.	15000.	.75
D	STAVRO-LONGO	GREECE, METHANA	1	25.	5.	15.	40.	.44
M	STORA BJORNSELL	W. CEN. ICELAND	1	280.	60.	450.	1500.	.53
U	STORI MEITILL	ICELAND, SW RIFT		360.	87.	240.	470.	.51
P	STORIHVOR	ICELAND, MYVATN	1	65.	10.	25.	30.	.85
SA	STROMBOLI	SO. ITALY	1	350.	75.	2950.	15000.	.37
T	STUBEL (IN KSUDACH CAL)	SO. KAMCHATKA		1500.	320.	345.	600.	.67
T	STURGES PARK	NO. IS., N. Z.	1	600.	10.	10.	600.	.70
SA	SUMACO	NO. ECUADOR	1	350.	100.	2500.	17000.	.56
KC	SUNDA CALDERA	WEST JAVA		7500.	250.	1250.	18000.	.43
C	SUNSET CONE	USA, SO. IDAHO		414.	57.	117.	470.	.47
C	SUNSET CRATER	USA, NO. ARIZONA		550.	107.	305.	575.	.56
AA	SUSWA CALDERA	KENYA, CEN. RIFT		9500.	235.	315.	5250.	.42
SL	SW. OF SHATTUCK BUTTE	USA, SO. IDAHO	1	745.	11.	94.	3255.	.30
E	SYKES CRATER	MEXICO, PINACATE		1020.	165.	25.	375.	.74
KA	T' IEN CH' I'H (PAEKTUSAN)	SO. MANCHURIA	1	5750.	715.	1350.	22000.	.59
KC	TAAL CALDERA (NEW)	CEN. LUZON, P.I.		2100.	330.	370.	4500.	.56
KA	TAMBORA CALDERA	INDONES., SUMBAWA	1	6500.	700.	2500.	21000.	.63
KCS	TAO-RUSYR (ONEKOTAN I.)	NO. KURILE IS.		7550.	575.	680.	11500.	.72
KAS	TARSO TOON	CHAD, TIBESTI MT	1	10000.	200.	700.	15000.	.65
KAS	TARSO TOUSSIDE	CHAD, TIBESTI MT	1	14000.	300.	1150.	25000.	.70
KAS	TARSO VOON	CHAD, TIBESTI MT	1	16000.	500.	1300.	21000.	.60
KAS	TARSO YEGA	CHAD, TIBESTI MT	1	18500.	440.	1400.	22000.	.65
KC	TELAGA RANU (HALMAHERA)	INDONES., MOLUCCAS		2400.	345.	890.	9500.	.59
U	TELEFON BAY, '67 NEW I-2	DECEPTION IS.		222.	43.	55.	115.	.79
U	TELEFON BAY, '67 NEW I-3	DECEPTION IS.		205.	34.	41.	125.	.79
U	TENERIFE CALDERA	CANARY IS.	1	13000.	215.	3900.	25000.	.38
KC	TENGGER CALDERA	INDONES., E. JAVA	1	10500.	300.	2130.	17500.	.55
E	TEPEXITL	MEXICO, E. PUERLA		1070.	75.	27.	315.	.76
SC	TERNATE (W. HALMAHERA)	N. INDONESIA	1	275.	82.	1895.	8000.	.64
MT	THARSIS THOLUS	858A23, 857A51		47800.	4100.	4100.	42100.	.51
SL	THE CRATER	USA, SO. IDAHO		500.	30.	52.	1100.	.65
SL	THE CRATER (5948)	USA, SO. IDAHO		415.	62.	79.	2300.	.61
SC	THE QUILL (ST. EUSTATIUS)	LEEWARD I. CARIB.		760.	215.	690.	4600.	.62
A	THE SPROUL CRATER	USA, NO. ARIZONA		660.	47.	45.	270.	.13
SI	THE WHALEBACK	USA, NO. CALIF.		350.	34.	895.	4275.	.57
C	THE HILL-WITH-A-HOLE-IN	TRISTAN DA CUNHA	1	27.	8.	30.	55.	.72
SL	THE ISTAREYKJA-BUNGA	N. E. ICELAND		675.	140.	160.	5250.	.55
KC	TIATIA (KUNASHIR I.)	SO. KURILE IS.		2250.	70.	1400.	7000.	.64
SI	TIMBER CRATER	USA, SW. OREGON		430.	33.	515.	4150.	.38
AP	TIMBER MTN. CALDERA	USA, SW NEVADA	1	30600.	610.	1250.	25000.	.48
AP	TOBA DEPRESSION	NO. SUMATRA		72000.	1300.	1800.	75000.	.14
KC	TOFUA IS. CALDERA	TONGA IS.		5300.	500.	2100.	13000.	.63
KC	TOLUCA	MEXICO, CEN.	1	2300.	200.	1800.	14000.	.37
KCS	TOMPO-MALANG	WEST JAVA	1	3050.	275.	500.	2500.	.75

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIRC
U	TONDANO DEPRESSION	NE. CELEBES	1	23000.	300.	1000.	35000.	.16
KCS	TOWADA CALDERA	JAPAN, N. HONSHU	1	10000.	500.	750.	18000.	.70
E	TOWER HILL	AUSTRALIA, W VICT	1	2730.	60.	20.	2000.	.51
AP	TOYA CALDERA	JAPAN, S. HOKKAIDO	1	10000.	400.	500.	10000.	.67
SI	TROLLADYNGJA	E-CEN. ICELAND		680.	50.	505.	5150.	.42
SC	TUNGURAHUA	NO. ECUADOR	1	400.	140.	2400.	6000.	.56
E	UAU EN NAMUS	SO. LIBYA, TIBESTI	1	3200.	160.	50.	1500.	.57
E	UBEHEBE NO.1	USA, SE. CALIF.	1	610.	153.	20.	200.	.64
E	UKINREK-1	ALASKA PENINSULA	1	136.	32.	12.	50.	.33
E	UKINREK-2	ALASKA PENINSULA	1	300.	74.	19.	100.	.66
SC	ULAWUN	NO. NEW BRITAIN		400.	80.	2250.	10000.	.52
T	ULUPAU HEAD	HAWAIIAN I., OAHU	1	1125.	57.	105.	410.	.60
MP	ULYSSES PATERA	THARSIS 49885	1	55300.	2100.	1700.	23700.	.75
A	UNNAMED (BEAR PARK E.)	USA, SO. IDAHO	1	125.	27.	18.	70.	.31
E	UNNAMED (NR HELLISKVISL)	SO. CEN. ICELAND		720.	75.	10.	175.	.44
U	UNNAMED (NR VEIDHIVOTN)	SO. CEN. ICELAND	1	680.	115.	65.	150.	.62
C	UNNAMED CINDER CONE	EASTER ISLAND	1	200.	30.	120.	300.	.75
D	UNNAMED DOME, SE COAST	LIPARI I., ITALY	1	275.	75.	100.	310.	.52
M	UNNAMED TABLEMOUNTAIN	W. CEN. ICELAND	1	375.	35.	160.	615.	.44
MP	URANIUS PATERA	701A08, 816A09		98500.	900.	1630.	71400.	.39
MT	URANIUS THOLUS	701A08, 816A09		19900.	350.	2450.	20000.	.74
KCS	URATMAN (SIMUSHIR I.)	CEN KURILE IS.	1	7170.	540.	480.	6350.	.70
KCS	URBICH (ITURUP I.)	SO. KURILE IS.	1	6450.	470.	570.	7000.	.70
SL	URDHARHALS	E-CEN. ICELAND		940.	195.	100.	2780.	.40
U	USHISHIR IS. CALDERA	NO. KURILE IS.		1630.	255.	380.	4600.	.66
KC	USUDAKE CALDERA	JAPAN, S. HOKKAIDO		1850.	80.	500.	2830.	.61
KC	UZON CALDERA	E-CEN. KAMCHATKA	1	11000.	250.	600.	12000.	.48
E	VALAGJA NORTH	SO. CEN. ICELAND	1	650.	45.	40.	200.	.36
E	VALAGJA SOUTH	SO. CEN. ICELAND	1	520.	80.	35.	150.	.45
E	VALENTINE (IN KARYMSKY)	E-CEN. KAMCHATKA		760.	60.	40.	300.	.60
T	VALLE DI ARICCIA	CEN. ITALY	1	2200.	70.	75.	825.	.48
T	VALLE DI CASTIGLIONE	CEN. ITALY		1200.	30.	35.	900.	.75
AP	VALLES CALDERA	USA, C. NEW MEX.		23500.	410.	790.	17000.	.61
SS	VEGGJABUNGA	N. E. ICELAND	1	180.	7.	65.	790.	.51
KC	VENIAMINOFF	ALASKA PENINSULA	1	8800.	350.	1750.	21000.	.60
SC	VENT MT.	ALASKA PENINSULA		820.	150.	500.	2600.	.80
P	VESTURHOFDI	ICELAND, MYVATN		165.	25.	23.	75.	.42
SA	VESUVIUS (1944 CRATER)	ITALY (NAPLES)		500.	265.	1200.	8500.	.67
KA	VIEJO (TENERIFE)	CANARY IS.	1	750.	125.	1000.	4000.	.69
P	VINDBELGUR	ICELAND, MYVATN	1	115.	10.	25.	120.	.80
E	VITI (KRAFLA)	E. ICELAND		350.	90.	60.	130.	.71
KTG	VOLCAN ALCEDO	GALAPAGOS IS.		6400.	240.	3000.	22000.	.57
KTG	VOLCAN DARWIN	GALAPAGOS IS.		4800.	200.	3300.	22500.	.84
C	VOLCAN DE SAN ANTONIO	CANARY I., PALMA		375.	109.	189.	370.	.70
C	VOLCAN JORULLO	MEXICO, SO. CEN.		450.	120.	305.	530.	.56
KTG	VOLCAN WOLF	GALAPAGOS IS.	1	5600.	600.	3500.	20000.	.52
C	VOLCANO (NEW)	ITALY, LIPARI I.		500.	100.	300.	750.	.59
M	VORDHUFELL	W. CEN. ICELAND	1	760.	40.	280.	2170.	.37
C	VULCAN ISLAND	NEW BRIT. RABAU	1	500.	100.	225.	500.	.68
LM	W. OF ALPHONSUS CA	SPEC APOLLO DATA	1	1720.	200.	30.	1500.	.47
SL	W. OF SAGE JUNCTION	USA, SO. IDAHO		385.	6.	59.	6050.	.47
SL	W. OF THORISJOKULL	W-CEN. ICELAND		1150.	45.	280.	4200.	.59
KC	WAI SANO	INDONES. W. FLORES		3000.	220.	840.	7000.	.51
KTH	WAIANAE CALDERA	OAHU, HAWAIIAN I	2	14000.	300.	4300.	53000.	.20
C	WALKER LAKE (CR. 69)	USA, NO. ARIZONA		690.	61.	111.	355.	.73
A	WAPI FLOW CONE	USA, SO. IDAHO		138.	10.	15.	86.	.41
SL	WAPI FLOW SHIELD	USA, SO. IDAHO		140.	21.	148.	9700.	.19
E	WELLS TANK MAAR	SE ARIZONA, USA		1530.	52.	17.	600.	.66
SC	WHITE IS.	NO. NEW ZEALAND	1	700.	160.	625.	3700.	.50
U	WILDHORSE CORRAL	USA, SO. IDAHO	1	770.	49.	40.	1600.	.25

CLASS	NAME	LOCATION	NB	DIAM	DEPTH	HEIGHT	WIDTH	CIPC
KCS	WITORI (PAGO, BANGO)	CEN NEW BRITAIN		7000.	150.	200.	7000.	.50
C	WIZARD ISLAND	USA, SW. OREGON	1	137.	27.	182.	332.	.89
KA	WONJI	ETHIOPIA, W. PLAT	1	6000.	380.	1200.	20000.	.56
KMA	WRANGELL VOLCANO	S.E. ALASKA	1	5000.	200.	2900.	22500.	.28
SC	YOTEI	JAPAN, SW HOKK.	1	730.	100.	1625.	6900.	.56
AP	YELLOWSTONE	USA, NW. WYOMING	1	59000.	500.	700.	25000.	.40
KCS	ZAVARITSKY 3 (SIMUSHIR)	CEN KURILE IS.		3100.	390.	350.	2500.	.52
E	ZUNI SALT LAKE	USA, NW NEW MEX.	1	2280.	67.	12.	450.	.59
C	ZUNI SALT LAKE CONE	USA, W. NEW MEXICO	1	191.	42.	70.	190.	.81
KA	ZUQUALLA	C. ETHIOPIA RIFT	1	1400.	100.	1100.	5300.	.75

* Delete from Table 4: REVENTADOR

Add to Table 4:

KAS	CANTAL (Paleo-)	CEN. FRANCE	1	7800.	275.	600.	18500.	.47
SCL	BANDAI-SAN 1888	JAPAN, NO. MONSHU	1	2000.	500.	1000.	7000.	.40

Table 5. Edifice volume (V) and rim-crest circularity (C) for 31 classes of volcanoes.

Class	log V (m ³)	C	Class	log V (m ³)	C
TEPHRA CONES			SMALL LAVA SHIELDS		
C	7.6	0.67	SI	10.0	0.49
T	7.9	0.63	SS	7.7	0.43
E	7.1	0.57	SL	8.9	0.38
A	6.2	0.59	M	9.1	0.39
P	5.0	0.63			
STRATOVOLCANOES			ASH-FLOW PLAINS		
SA	10.9	0.51	AA	10.7	0.46
SC	10.8	0.60	AP	11.7	0.48
SCL	11.0	0.34			
KA	11.4	0.60	LAVA DOME		
KAS	11.3	0.58	D	6.6	0.56
KC	11.2	0.55			
KCS	10.9	0.56	LUNAR VOLCANOES		
LARGE LAVA SHIELDS			LC	8.4	0.51
KTH	13.1	0.42	LH	8.3	0.53
KTG	12.1	0.59	LD	9.6	0.46
KTU	11.8	0.54			
KMA	11.6	0.48	MARTIAN SHIELDS		
KMM	11.5	0.59	MM	14.7	0.64
KO	10.0	0.55	MT	13.2	0.67
			MP	13.0	0.64

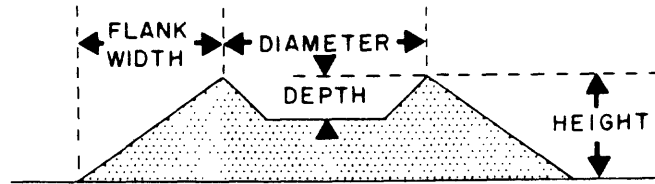


Figure 1. Four topographic measurements of a volcano. Circularity index defined in text.

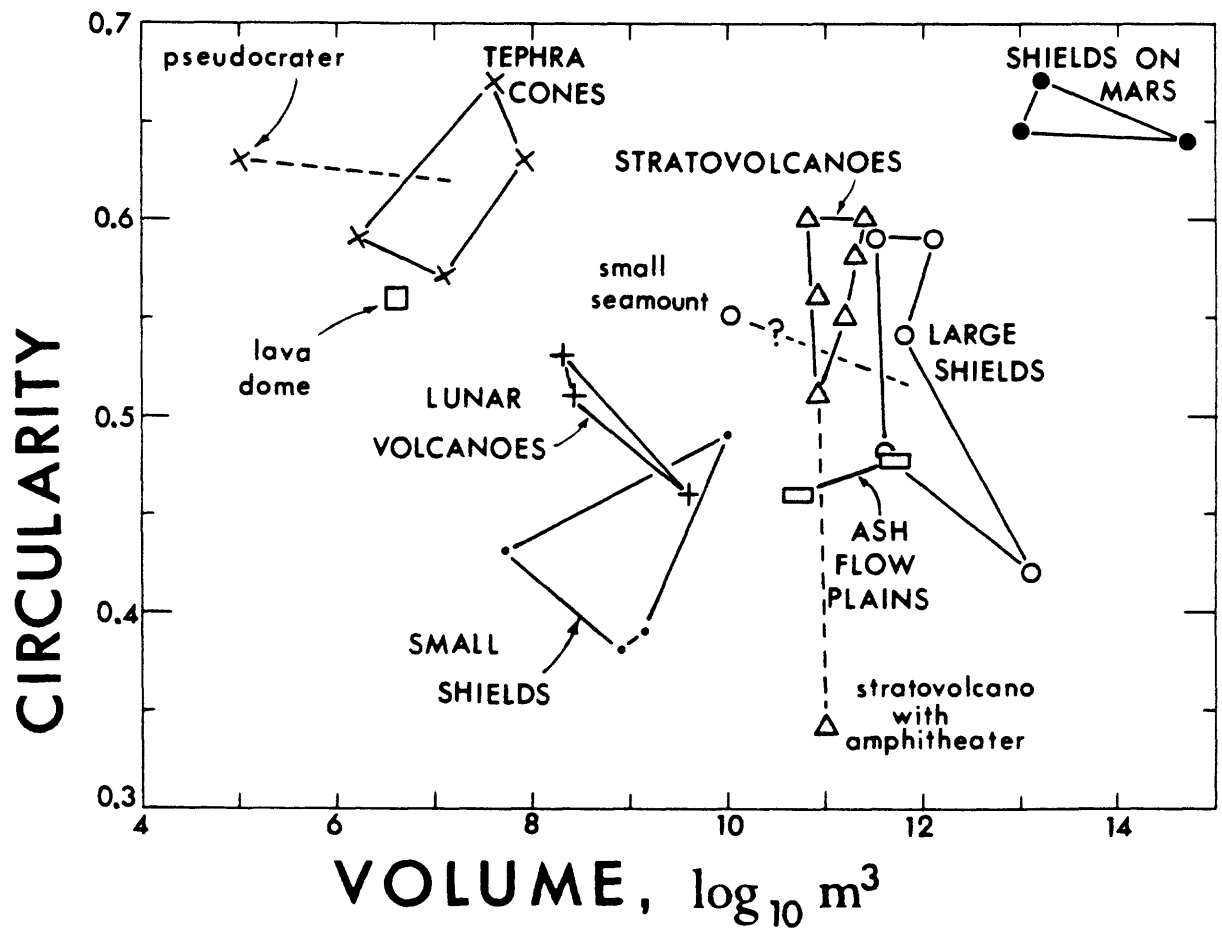


Figure 2. Relation between mean rim-crest circularity and mean volume of the edifice for 31 classes of volcanoes (Table 5). Symbols denote similar types of volcanic classes, which form groups (solid lines). Dashed lines show most likely affinity for groups by three of the four isolated classes.