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U.S. GEOLOGICAL SURVEY

HAWAIIAN VOLCANO OBSERVATORY
SUMMARY 92 PART I
SEISMIC DATA, JANUARY TO DECEMBER 1992

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CHRONOLOGICAL SUMMARY
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INTRODUCTION

The Hawaiian Volcano Observatory (HVO) summary presents seismic data gathered during the year, and a chronological narrative describing the volcanic events. The seismic summary is offered without interpretation as a source of preliminary data. It is complete in the sense that all data for events of $M \geq 1.5$ routinely gathered by the Observatory are included. The emphasis in collection of tilt and deformation data has shifted from quarterly measurements at a few water-tube tilt stations ("wet" tilt) to a larger number of continuously recording borehole tiltmeters, repeated measurements at numerous spirit-level tilt stations ("dry" tilt), and surveying of level and trilateration networks. Because of the large quantity of deformation data now gathered and differing schedules of data reduction, the seismic and deformation summaries are published separately.

The HVO summaries have been published in various forms since 1956. Summaries prior to 1974 were issued quarterly, but cost, convenience of preparation and distribution, and the large quantities of data dictated an annual publication beginning with Summary 74 for the year 1974. Summary 86 (the introduction of CUSP at HVO) includes a description of the seismic instrumentation, calibration, and processing used in recent years. The present summary includes enough background information on the seismic network and processing to allow use of the data and to provide an understanding of how they were gathered.

A report tabulating instrumentation, calibration, and recording history of each seismic station in the network by Klein and Koyanagi is available as a USGS Open-File Report[1]. It is designed as a reference for users of seismograms and phase data and includes and augments the information in the station table of this summary.

[1] Klein, F.W., and Koyanagi, R.Y., 1980, Hawaiian Volcano Observatory seismic network history, 1950-1979: U.S. Geological Survey Open-File Report 80-302, 84 p.

CHRONOLOGICAL SUMMARY 1992

by

Tari Mattox, Christina Heliker, Margaret Mangan, and Laszlo Keszthelyi

February saw the demise of the Kupaianaha vent, which had erupted nearly continuously since July 1986. Throughout January, the vent produced only minor breakouts within 3 km of the vent. On February 6, the last pasty ooze-outs were observed at the 1850-ft elevation. For the next 10 days, there was a hiatus in eruptive activity, although the lava pond at the bottom of the Pu'u 'O'o crater remained active.

The 50th episode of the eruption began on February 17, when a 150-m-long fissure opened on the uprift flank of Pu'u 'O'o. Flows from the episode 50 fissure covered 1 sq km and formed a large perched lava pond north of the fissure on top of the ponded pahoehoe field formed July 18, 1986. This episode ended abruptly on March 3, coincident with an intrusion in Kilauea's upper east rift zone.

Episode 51 started on March 7, when the episode 50 fissure propogated another 34 m up the steep slope of the Pu'u 'O'o cone. Flows from the episode 51 fissure built a 60-m-high shield immediately west of the fissure. The shield was capped by a lava pond that was active until July. Most of the episode 51 flows advanced to the south, and a lava tube system developed in that direction. The eruption at the 51 vents was fitful; during 1992 there were 18 pauses in lava production (Table G-1). The pauses lasted an average of 3 days, with the shortest pause lasting 3 hours and the longest, 7 days. The intervals during which the 51 vent was active lasted anywhere from 1 to 90 days. The interrupted lava output limited the distance that flows could advance and slowed the development of a stable tube system beyond the margins of the lava shield.

During one unusually long eruptive interval (32 days) in July, lava from the episode 51 vent advanced halfway down the Pulama pali. However, another pause in the eruption stopped this flow before it reached the coastal plain.

On October 2, during another pause in episode 51 activity, an M4.5 earthquake occurred at a depth of 7 km between the Pulama pali and the 51 flow field. Tremor at the eruption site increased, and early in the morning of October 3, lava began to erupt from a new fissure on the south flank of Pu'u 'O'o. The episode 52 fissure fed flows which travelled over 2 km before stagnating.

At 1530 hours on October 3, the eruption resumed at the episode 51 vents. In the days that followed, activity at the episode 52 fissure declined while the output of the episode 51 fissure increased. The episode 52 fissure last erupted on October 17, while the episode 51 vent erupted almost continuously for the rest of the year.

Pu'u 'O'o

Since 1990, the level of Pu'u 'O'o lava pond has had an inverse reaction to the eruptive activity at the episodes 48, 49, 50, and 51 vents, drawing down during vigorous eruptive episodes and rising to levels high in the crater when the other vents were in repose. Early in 1992, the pond in Pu'u 'O'o rose as Kupaianaha died. When episode 50 began, the Pu'u 'O'o pond dropped to 85 m below the crater rim. In the months that followed, the level of the pond fluctuated between 70 m below the rim when the 50 and 51 vents were active and 35 m of the rim when the vents were in repose. Since the October 2 earthquake and the opening of the episode 52 fissure, the pond in Pu'u 'O'o has remained at a low level; 70-75 m below the crater rim.

Table C-1. ERUPTION STATISTICS

Areas

Total area covered by lava, Jan 1983 through Dec 1992 = 83 sq km (32 sq mi)

Exposed areas of:
Pu'u 'O'o flows (episodes 1-47) and the "A vent" flow of episode 48 = 26 sq km* (10 sq mi)
*Pu'u 'O'o flows originally covered about 42 sq km, but much of this area was reburied by Kupaianaha flows.
Kupaianaha flows, Jul 20, 1986-Feb 6, 1992 = 41 sq km (16 sq mi)
Episode 49 flows, Nov 8-26, 1991 = 4 sq km (1.5 sq mi)
Episode 50 flows, Feb 17-Mar 3, 1992 = 0.5 sq km (0.2 sq mi)
Episode 51 flows, Mar 7-Dec 31, 1992 = 11 sq km (4.3 sq mi)
Episode 52 flows, Oct 3-17, 1992 = 0.5 sq km (0.2 sq mi)

New land created December 86 - Dec 92 = 379 acres (This is a net figure, which does not include new land that was claimed by wave erosion or collapse of the active lava bench).

Table C-1. (continued)

Volumes

This eruption:

Total, 1/83 thru 12/92	925×10^6 m^3 (magma volume)
Episodes 1-47 (1/83 thru 6/86)	385×10^6 m^3
Episode 48 (7/86 thru 2/92)	500×10^6 m^3
Episode 49 (11/92)	11×10^6 m^3
Episode 50 (2/92 thru 3/92)	3×10^6 m^3
Episode 51 (3/92 thru 12/92)	24×10^6 m^3
Episode 52 (10/92)	2×10^6 m^3

Other fascinating facts

Height of episode 51 lava shield: approx 60 m
Episode 51 lava pond active Mar-July 92

Height of Kupaianaha lava shield: 56 m
Kupaianaha lava pond active July 86-June 90
Kupaianaha vent inactive since Feb 92

Height of Pu'u 'O'o cone, Jul 92: 234 m (768 ft). The cone has lost 23 m due to collapse since 1986
Dimensions of Pu'u 'O'o crater, Jan 93: approx 200 m x 300 m
Depth of Pu'u crater floor, Feb 93: 60 m
Pu'u 'O'o pond status: continuously active in 92

Thickness of lava at the coast:
approx 25 m (75 ft) over Hwy 130 at Queens Bath
roughly 50-75 ft over Kalapana Gardens
1.5 m (5 ft) over Chain of Craters Rd at Kamoamoa

Structures destroyed

Residences destroyed through Oct 91 (none since then) = 181 (Pu'u 'O'o - 16; Kupaianaha - 165) Total losses = $61 million
Other structures include the Waha'ula Visitor Center and maintenance shop, Royal Gardens community center, Mauna Kea Congregational Church, Puna Canoe Club halau, and the Kalapana Drive-in

Pu'u 'O'o:

Episodes 1-47	Royal Gardens	16
Kupaianaha:		
	Nov 1986-Dec 1989	58
	Feb 1990-Jan 1991	105
	Oct 1991	2

11-12/86	Kapa'ahu	11
12/86	Keone Dr, Kalapana Gardens	17
5-6/87	Kapa'ahu	4
9-12/87	Royal Gardens	9
12/87-1/88	Kapa'ahu	2
2/88	Royal Gardens	3
5/88	Kapa'ahu	2
5-9/89	Royal Gardens, Waha'ula	13
2/90	Royal Gardens	2
4/90-1/91	Keone Dr, Kalapana Gardens, Kalapana, Kalapana Shores	103
10/91	Royal Gardens	2

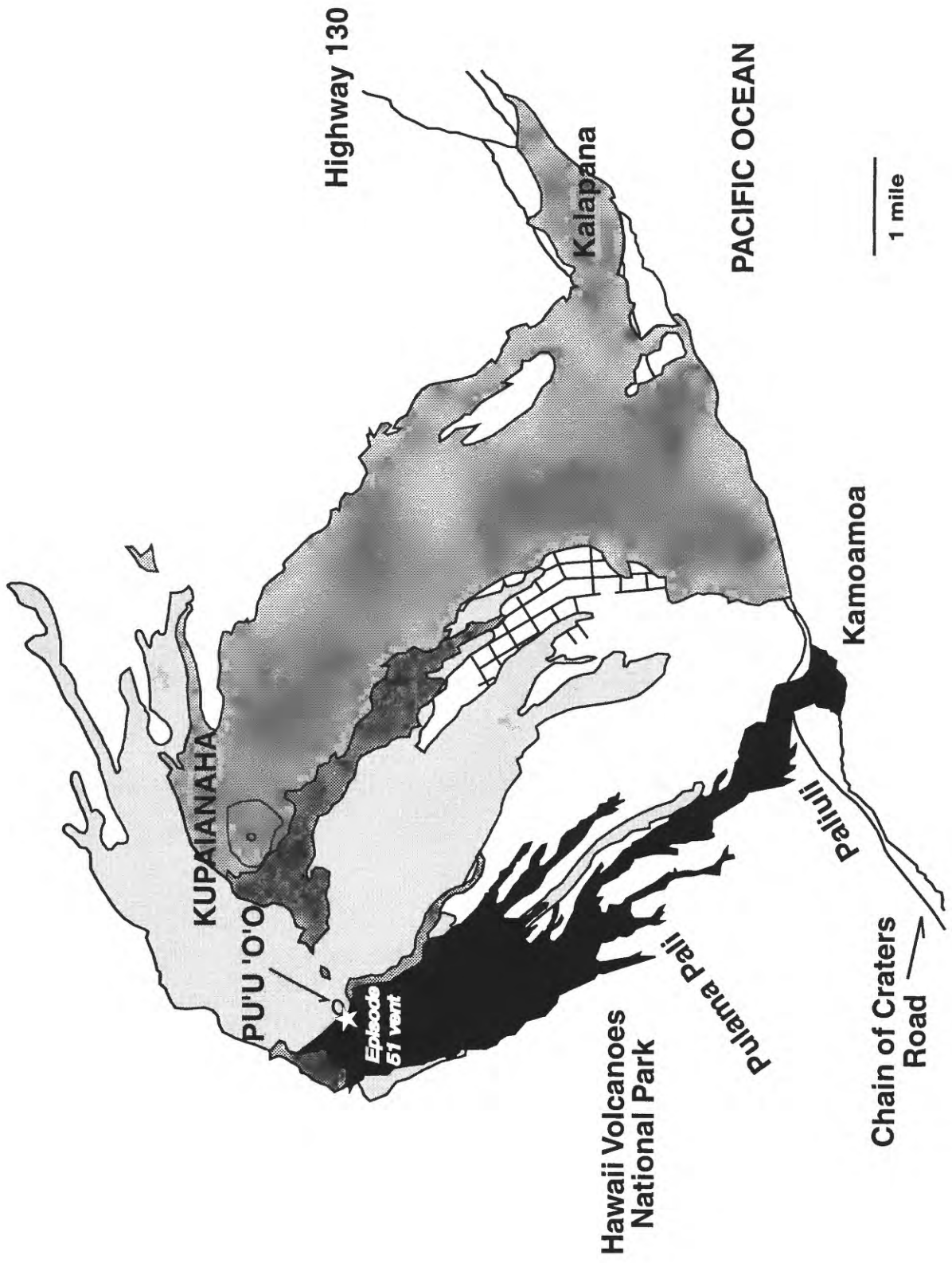

Figure C-1. Lava flows produced from 1983 through 1992. The star marks the location of the episode 51 vent.

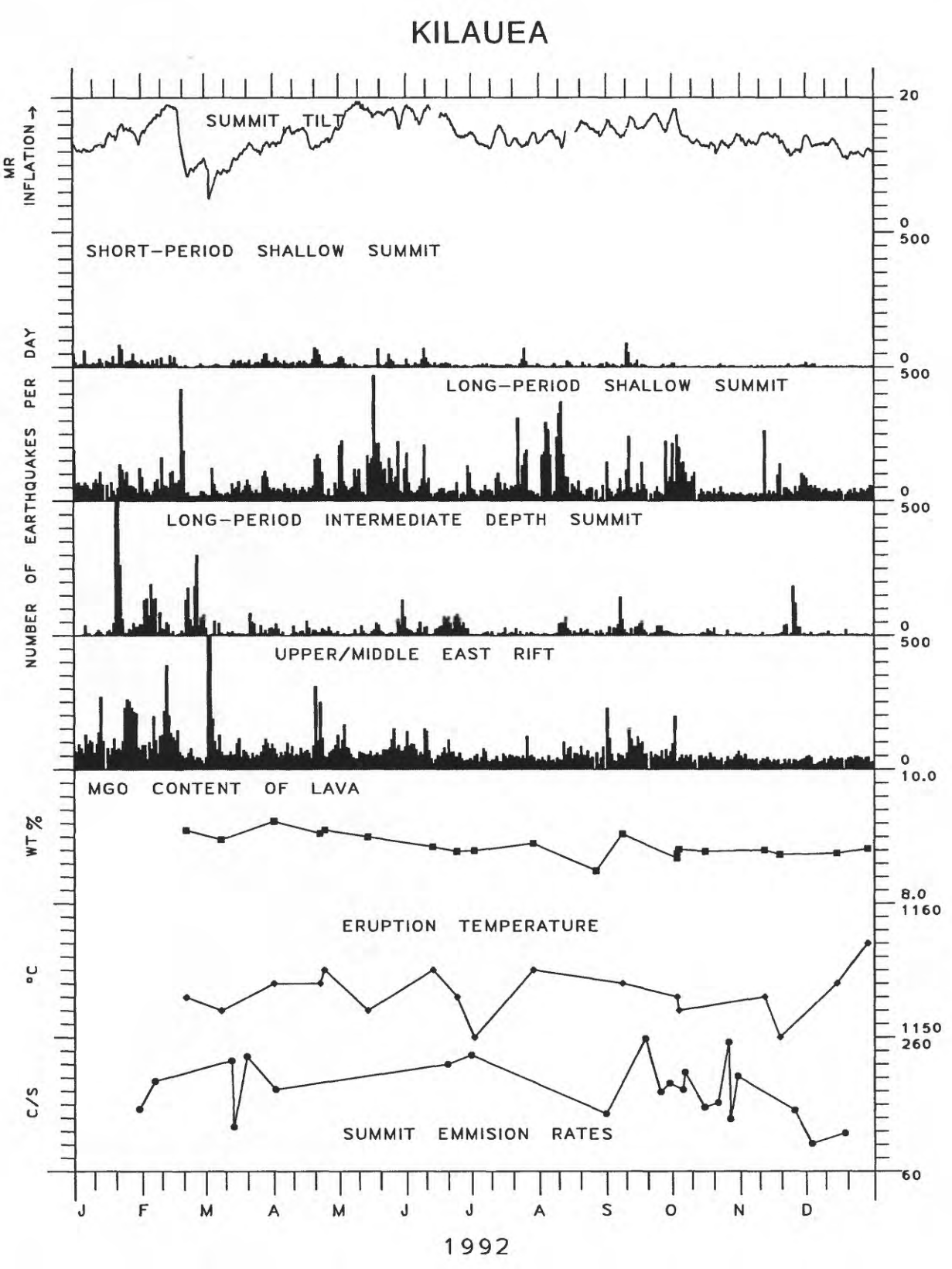

Figure C-2. Selected seismic, geodetic, petrologic and geochemical data for Kilauea, 1992.

SEISMIC INSTRUMENTATION

The network. The Hawaiian Volcano Observatory maintains an extensive telemetered seismic network on the Island of Hawaii. The 1992 network consisted of 53 stations—51 digital and 2 low-gain, three-component optical. The 50 digital stations include 13 three-component and 38 vertical-component-only sites. The coverage is most dense on and around Kilauea Volcano. With the exception of self-contained photographic systems at the Uwekahuna and the Hilo stations, all seismic signals from the short-period network are telemetered to the Observatory for recording.

Figure 1 is a map of selected geographic and geologic features, figure 2 shows the seismic stations operated on the Island of Hawaii during 1992, and figure 3 indicates the telemetry scheme for the respective seismic stations. Table 1 lists all seismic stations operated by the U.S. Geological Survey field office in Hawaii during 1992. Listed are names, four-letter station codes, coordinates in degrees and minutes, elevation in meters, and other data, as described below, pertaining to each station. In addition to the seismometers listed in Table 1, a long-period, three-component set of Press-Ewing seismometers was operated in the Uwekahuna vault and recorded on photographic paper.

Instrumentation and recording. Each telemetered station has a voltage-controlled oscillator (VCO) for FM multiplex transmission to HVO via either hardwire or radio. These telemetering stations are all of Type 1, the standard system of the Office of Earthquakes, Volcanoes and Engineering (OEVE) used in USGS seismic networks (see Table 2 for details). After discrimination at the receiver, the analog signals are converted to digital form as part of the routine computer location processing and archiving. Analog signals from 36 selected stations are recorded on two Develocorders ('A' and 'B') using 16-mm microfilm. FM signals from the telemetering network are also recorded directly on one-inch magnetic tape. The type(s) of continuous recording used for each station (in addition to magnetic tape for the telemetered stations) is coded in Table 1 as follows: D - Develocorder film, P - photographic paper, H - Helicorder paper, and I - ink paper.

In addition to the standard stations, optical drum seismographs are maintained at Uwekahuna (HVO) and Hilo, and a helicorder drum seismograph is maintained on Oahu (Honolulu station operated by the Pacific Tsunami Warning Center). The less sensitive optical records are used primarily for amplitude measurements for magnitude calculations to supplement readings from the high-gain stations. The paper records, as well as the 16-mm Develocorder microfilms, are archived at HVO.

On September 1, 1992, the one-inch magnetic tape recorder and Develocorder 'B' were discontinued. The magnetic tape recorder was replaced by three 4-mm digital-audio tape (DAT) recording units. The DAT recorders run continuously, in automatic rotation, as each 30-hr tape is filled. The optical drum seismographs at Uwekahuna Vault were also discontinued. The last record day for both the three-component set of short-period and three-component set of Press-Ewing seismometers was September 9, 1992.

Seismograph response and calibration. Displacement response curves for the three short-period seismograph types in use are given in figure 4. Types 2 and 3 are electro-mechanical systems recorded on paper records. The Type 1 curve gives the displacement magnification of the standard OEVE system from ground motion at the seismometer to the seismic trace, as seen on a 20x Develocorder film viewer. The curves plot the unit response, which is multiplied by a constant but known factor (CAL-factors range from about 1 to 7, averaging about 4, Table 1) to get the response for an individual station. Individual CAL factors for Type 1 seismographs are equal to the peak-to-peak amplitude measured in millimeters on the 20x Develocorder viewer of a 100-microvolt 5 to 8-Hz signal introduced to the preamp/VCO in place of the geophone at the field station. The calibration process is normally performed each time a station is visited for other maintenance.

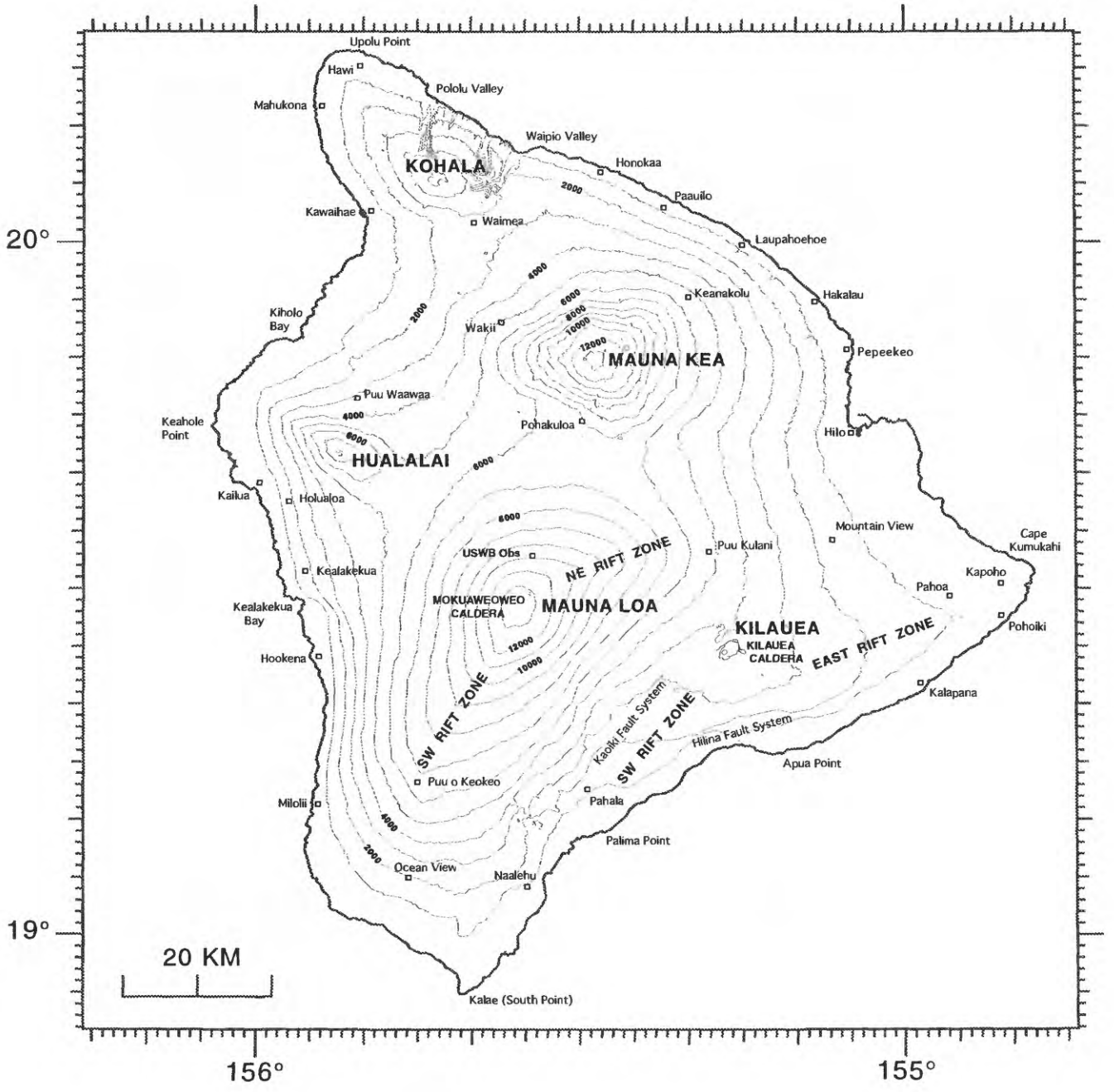

Figure 1. Map of the Island of Hawaii, showing principal settlements and selected geographic and geologic features.

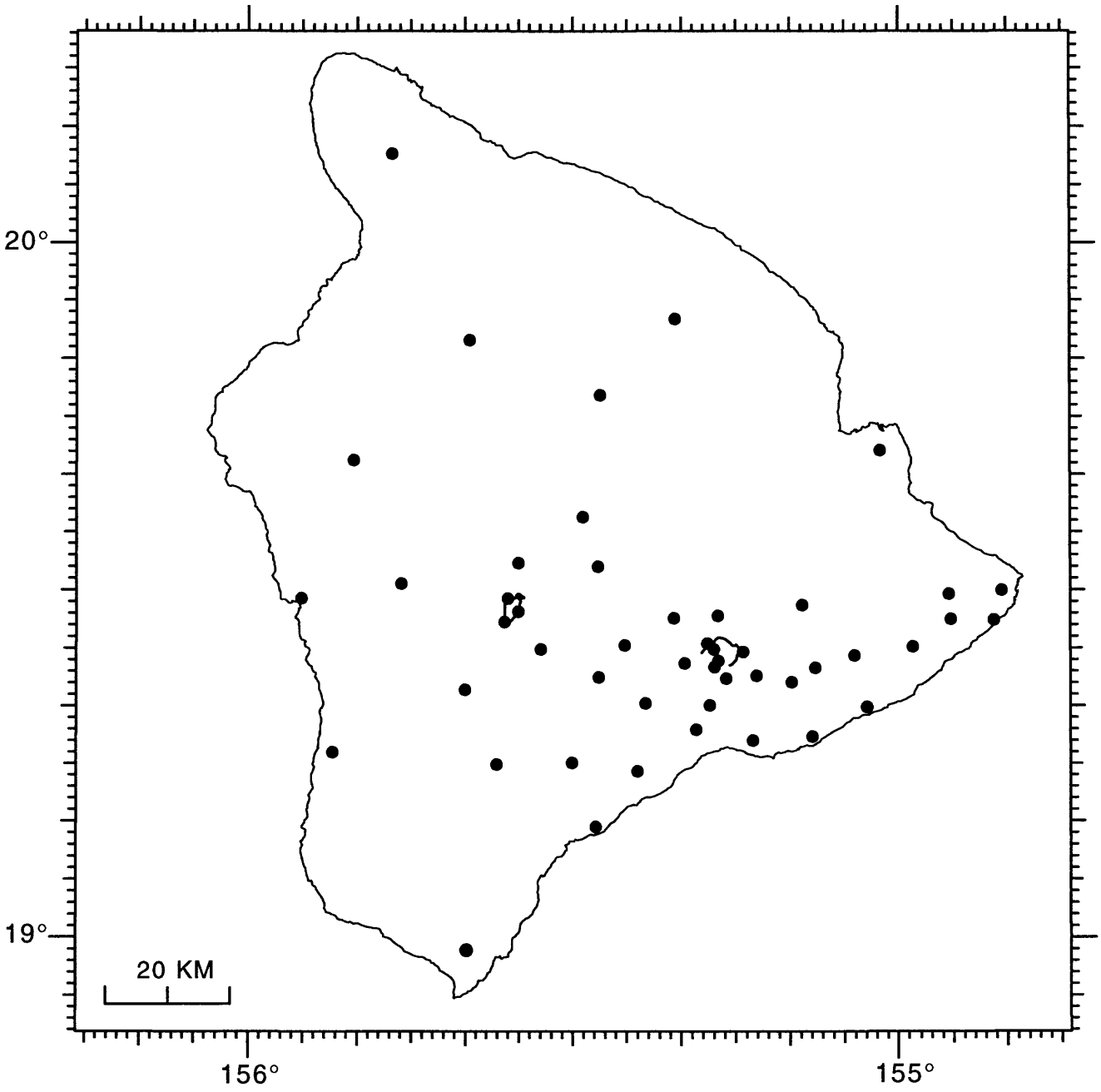

Figure 2. Seismic stations operational during 1992 on the Island of Hawaii.

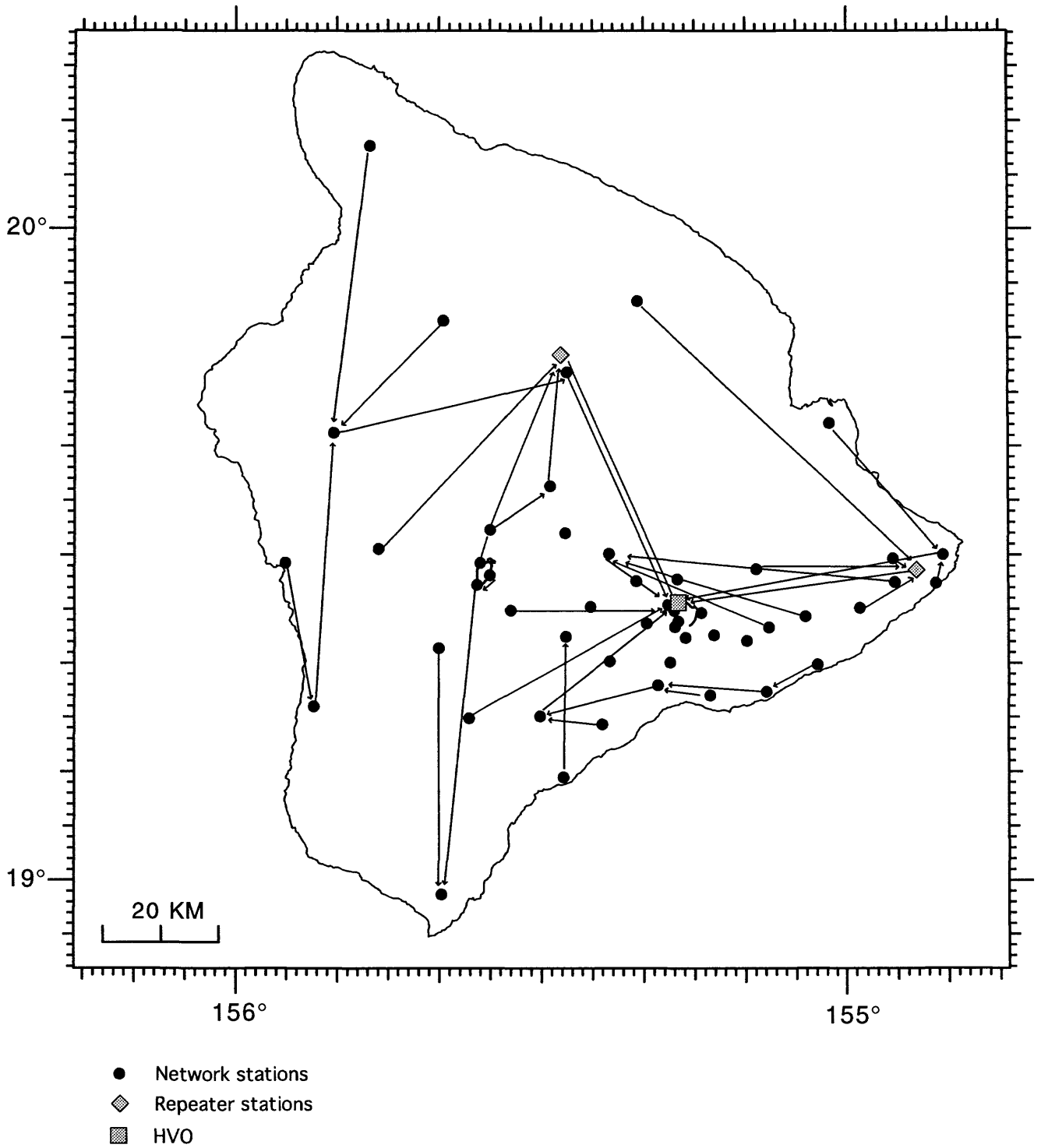

Figure 3. Telemetry scheme for the 1992 Hawaiian Volcano Observatory seismic network.

Table 1. Seismic stations in Hawaii operated by the USGS in 1992.

STATION NAME	CODE	-LAT- D	M	-LON- D	M	ELEV (M)	DELAY 1	DELAY 2	CAL	SEIS TYPE	OPTIC RECORD
AHUA	AHUV	19	22.40	155	15.90	1070	-0.10	-0.13	2.1	E5	DI
AHUA	AHUE	19	22.40	155	15.90	1070	-0.10	-0.13	3.0	MW	
AHUA	AHUN	19	22.40	155	15.90	1070	-0.10	-0.13	3.0	MW	
AINAPO	AINV	19	22.50	155	27.62	1524	0.13	0.17	5.5	L5	D
AINAPO	AINE	19	22.50	155	27.62	1524	0.13	0.17	3.0	MW	
AINAPO	AINN	19	22.50	155	27.62	1524	0.13	0.17	3.0	MW	
CAPTAIN COOK	CACV	19	29.29	155	55.09	323	0.00	-0.16	1.1	L5	D
CONE PEAK	CPKV	19	23.70	155	19.70	1038	-0.26	-0.07	6.0	L5	
DANDELION	DANV	19	21.42	155	40.04	3003	-0.27	0.03	7.0	E5	D
DESERT	DESV	19	20.20	155	23.30	815	-0.29	-0.13	3.0	L5	DI
ESCAPE ROAD	ESRV	19	24.68	155	14.33	1177	-0.17	-0.19	2.2	L5	D
FERN FOREST	FEFV	19	28.70	155	8.91	691	0.01	0.05	0.0	L5	
HAWAIIAN BEACHES	HABV	19	31.89	154	53.89	92	-0.09	-0.24	1.0	L4	
HILO	HIEE	19	43.20	155	5.30	20	0.54	0.30	1.0	W	P
HILO	HILV	19	43.20	155	5.30	20	0.54	0.30	1.0	H1	P
HILO	HINN	19	43.20	155	5.30	20	0.54	0.30	1.0	W	P
HILINA PALI	HLPV	19	17.96	155	18.63	707	0.02	0.07	2.6	L5	D
HALE POHAKU	HPUV	19	46.85	155	27.50	3396	0.31	0.17	3.3	L4	D
HUMUULA SHEEP ST	HSSV	19	36.31	155	29.13	2445	0.20	0.35	5.3	L5	D
HUMUULA SHEEP ST	HSSE	19	36.31	155	29.13	2445	0.20	0.35	3.0	MW	
HUMUULA SHEEP ST	HSSN	19	36.31	155	29.13	2445	0.20	0.35	3.0	MW	
HOT CAVES	HTCV	19	14.33	155	24.02	381	-0.16	-0.07	0.0	E4	
HUALALAI	HUAV	19	41.25	155	50.32	2189	0.67	0.38	3.0	L4	DI
HEIHEIAHULU	HULV	19	25.13	154	58.72	369	-0.17	-0.16	1.6	L5	DI
HEIHEIAHULU	HULE	19	25.13	154	58.72	369	-0.17	-0.16	3.0	MW	
HEIHEIAHULU	HULN	19	25.13	154	58.72	369	-0.17	-0.16	3.0	MW	
KAAPUNA	KAAV	19	15.98	155	52.28	524	-0.12	-0.01	3.5	E5	D
KAENA POINT	KAEV	19	17.35	155	7.95	37	-0.01	0.06	1.4	L5	D
KAOIKI FAULTS	KFAV	19	25.25	155	25.18	1579	0.13	0.17	0.0	E5	
KAHUKU	KHUV	19	14.90	155	37.10	1939	0.03	-0.03	2.7	E4	D
KANEKII	KIIV	19	30.56	155	45.90	1841	0.15	0.37	2.9	L5	D
KANEKII	KIIE	19	30.56	155	45.90	1841	0.15	0.37	3.0	MW	
KANEKII	KIIN	19	30.56	155	45.90	1841	0.15	0.37	3.0	MW	
KEANAKOLU	KKUV	19	53.39	155	20.58	1863	0.68	0.24	3.3	L5	D
KALALUA CONE	KLCV	19	24.35	155	4.08	659	-0.25	-0.30	0.0	L5	DH
PUU KALIU	KLUV	19	27.48	154	55.26	271	-0.17	-0.30	2.9	L5	D
KOHALA	KOHV	20	7.69	155	46.77	1166	-0.03	-0.17	1.5	L5	D
KOHALA	KOHE	20	7.69	155	46.77	1166	-0.03	-0.17	3.0	MW	
KOHALA	KOHN	20	7.69	155	46.77	1166	-0.03	-0.17	3.0	MW	
KIPUKA NENE	KPNV	19	20.10	155	17.40	924	-0.11	-0.08	3.5	L5	D
KAPOHO	KPOV	19	30.02	154	50.51	134	-0.09	-0.24	2.5	L5	D
MAUNA LOA	MLOV	19	29.80	155	23.30	2010	0.03	0.08	5.8	L5	DI
MAUNA LOA	MLOE	19	29.80	155	23.30	2010	0.03	0.08	3.0	MW	
MAUNA LOA	MLON	19	29.80	155	23.30	2010	0.03	0.08	3.0	MW	
MAUNA LOA X	MLXV	19	27.60	155	20.70	1475	0.06	0.15	3.0	L5	
MOKUAWEOWEO	MOKV	19	29.28	155	35.98	4104	0.15	0.16	5.5	L4	DI
MAKAOPUHI	MPRV	19	22.07	155	9.85	881	-0.17	-0.20	4.2	L5	DI
MOUNTAIN VIEW	MTVV	19	30.25	155	3.75	409	-0.02	0.01	5.0	E5	D
NATIONAL GUARD	NAGV	19	42.12	155	1.72	18	0.54	0.30	3.2	E5	D
NORTH PIT	NPTV	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	L4	DI
NORTH PIT	NPTE	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	MW	
NORTH PIT	NPTN	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	MW	
OUTLET	OTLV	19	23.38	155	16.94	1038	-0.19	-0.18	4.9	L5	
PAUAHI	PAUV	19	22.62	155	13.10	994	-0.21	-0.24	2.4	L4	D
PAUAHI	PAUE	19	22.62	155	13.10	994	-0.21	-0.24	3.0	MW	
PAUAHI	PAUN	19	22.62	155	13.10	994	-0.21	-0.24	3.0	MW	
PUU ULAULA	PLAV	19	32.00	155	27.67	2992	-0.03	0.13	5.4	L5	DI
POHOIKI	POIV	19	27.42	154	51.22	16	-0.09	-0.24	0.0	L5	

POLIOKEAWE PALI	POLV	19	17.02	155	13.47	169	-0.02	0.03	2.8	E5	D
PUU PILI	PPLV	19	9.50	155	27.87	35	-0.15	-0.15	1.7	E5	D
RIM	RIMV	19	23.90	155	16.60	1128	-0.21	-0.13	0.0	L5	
RAINSHED	RSDV	19	27.78	155	16.68	1270	0.06	0.15	0.0	L5	
SOUTH POINT	SPTV	18	58.91	155	39.92	244	-0.17	-0.22	2.8	L5	D
SOUTH POINT	SPTE	18	58.91	155	39.92	244	-0.17	-0.22	3.0	MW	
SOUTH POINT	SPTN	18	58.91	155	39.92	244	-0.17	-0.22	3.0	MW	
STEAM CRACKS	STCV	19	23.30	155	7.67	765	-0.25	-0.30	2.4	L5	DH
STEAM CRACKS	STCE	19	23.30	155	7.67	765	-0.25	-0.30	3.0	MW	
STEAM CRACKS	STCN	19	23.30	155	7.67	765	-0.25	-0.30	3.0	MW	
SOUTHWEST RIFT	SWRV	19	27.26	155	36.30	4048	0.01	0.04	5.6	E5	D
TRAIL	TRAV	19	24.91	155	32.96	3207	0.00	0.00	0.0	L5	
UWEKAHUNA	UEEE	19	25.40	155	17.60	1240	-0.21	0.00	2.5	E	P
UWEKAHUNA	UENN	19	25.40	155	17.60	1240	-0.21	0.00	2.5	E	P
UWEKAHUNA	UEZV	19	25.40	155	17.60	1240	-0.21	0.00	2.5	E	P
UWEKAHUNA	URAV	19	25.40	155	17.60	1240	-0.21	0.00	0.0	RA	
UWEKAHUNA	URAE	19	25.40	155	17.60	1240	-0.21	0.00	0.0	RA	
UWEKAHUNA	URAN	19	25.40	155	17.60	1240	-0.21	0.00	0.0	RA	
WAIKII	WAIV	19	51.58	155	39.60	1433	0.20	0.35	0.0	L5	
WAHAULA	WHAV	19	19.90	155	2.92	29	-0.10	-0.04	1.5	E5	D
WILKES CAMP	WILV	19	28.15	155	35.02	4037	0.22	0.17	2.6	E5	D
WILKES CAMP	WILE	19	28.15	155	35.02	4037	0.22	0.17	3.0	MW	
WILKES CAMP	WILN	19	28.15	155	35.02	4037	0.22	0.17	3.0	MW	
WEATHER OBSERVAT	WOBV	19	32.31	155	35.01	3396	0.00	0.00	0.0	E5	
WOOD VALLEY	WOOV	19	15.08	155	30.12	909	-0.15	-0.06	4.6	E5	

Table 2. Seismic Instrument Types (SEIS TYPE)

The codes in parentheses refer to the seismometer types listed in Table 1.

Type 1 (Codes E, L, and 3, 4, 5) consists of:

a) Geophone - Electrotech EV-17 (E), or Mark Products L4C (L) 1.0-sec. period moving-magnet vertical- or horizontal- (E-W and N-S) component seismometer adjusted for an output of 0.5 volts/cm/sec and 0.8, critically damped.

b) Preamp/VCO - USGS/OEVE Model J302 (3), J402 (4), J502 (5) voltage-controlled oscillator. Three db points for bandpass filter at 0.1 Hz and 30 Hz. Signals are transmitted on audio FM carrier over cable or FM radio link to HVO.

Type 2 (Code E) consists of:

a) Electrotech EV-17 1.0-sec. period moving-magnet vertical- or horizontal- (E-W and N-S) component seismometer.

b) 3.5 Hz galvanometer with appropriate shunt resistances for critical damping. System is poorly calibrated. Peak magnification approximately 25,000 at 4 Hz.

Type 3 (Code H1) consists of:

Electrotech EV-17 or Observatory-built 0.8-sec. period moving-coil seismometer, with HVO-built solid-state seismic preamplifier, galvanometer driver, and 2 Hz galvanometer. Peak magnification approximately 40,000 at 4 Hz.

Code (W) is a Wood-Anderson torsion seismograph.

Code (MW) is a horizontal-component seismograph based on a Type 1 system and modified to a Wood-Anderson response.

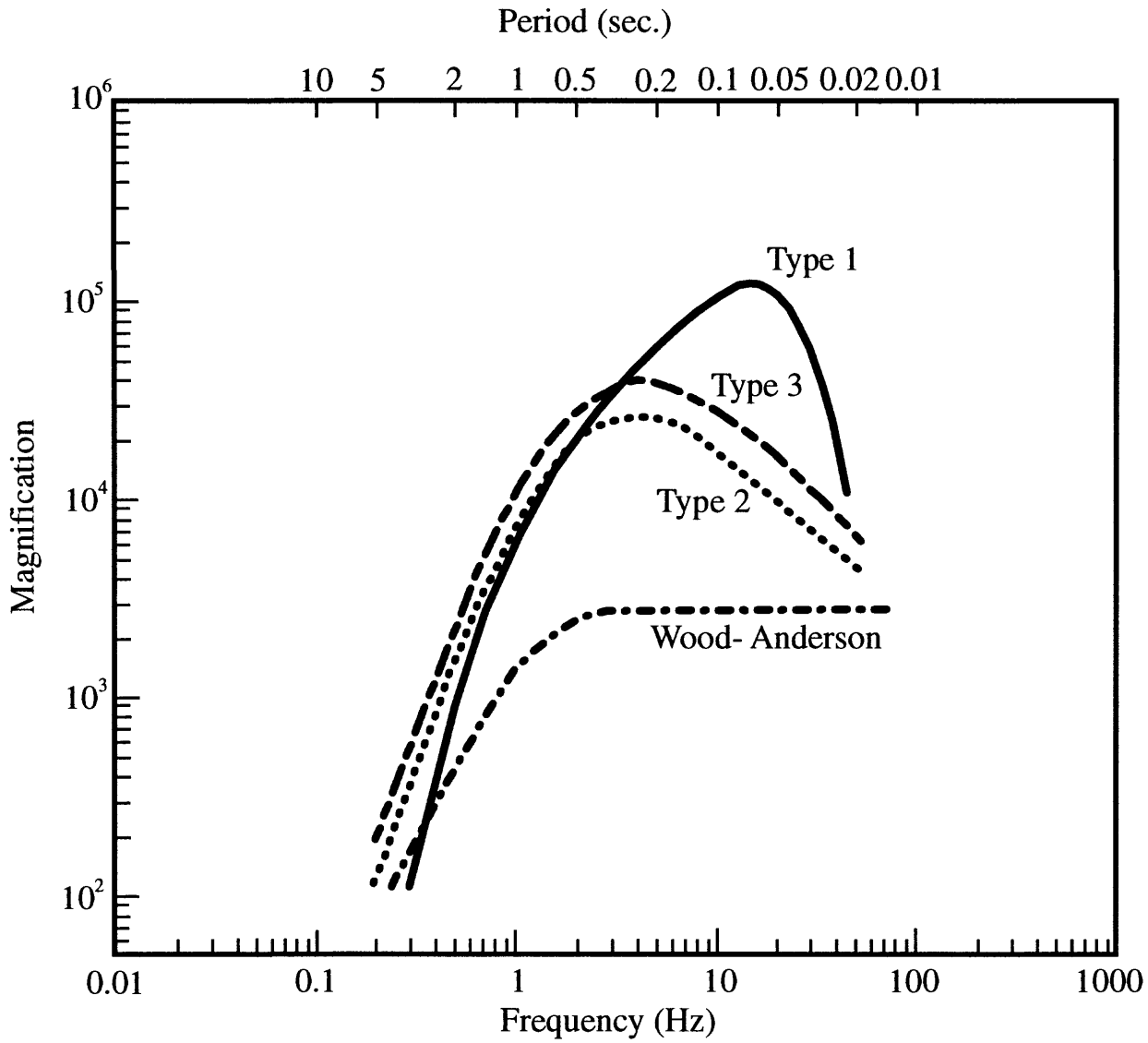

Figure 4. System response curves for the Wood-Anderson torsion seismograph and for the three different types of seismometers used by the Hawaiian Volcano Observatory. Types 2 and 3 are electro-magnetic seismographs recorded optically on photographic paper. Type 1 is the standard OEVE seismometer system recorded on Develocorder film and magnetic tape. The curve for Type 1 includes response of the geophone, all electronics including telemetry, Develocorder galvanometer, and projection of film by a 20x viewer. The curves plot the unit response, which should be multiplied by a constant but known factor (CAL) to get the response for an individual station.

SEISMIC DATA PROCESSING

Develocorder films are scanned on a daily basis for frequency of earthquakes, and coda durations in seconds are measured for coda magnitude M_D. In 1986, HVO acquired a VAX 11-750 computer and adopted the CUSP (California Institute of Technology USGS Seismic Processing) routine. Discriminated analog signals are converted to digital form, and detected events are saved in real time. Detected events are demultiplexed, and P-picks are made by the computer, producing a rough location and coda-amplitude magnitude. Events are examined by an analyst, on a TEK 4014, to refine computer P-picks and to time additional P- and S-phases for a preliminary location. Binary CUSP files are tape-archived and translated into ASCII phase files. Locations and amplitude magnitudes are then determined, using the program HYPOINVERSE (Klein, 1989)[2] . Events are reworked and rerun, as needed, to produce a final solution. Magnetic tape copies of all arrival times and output summary data are kept at Menlo Park and at HVO.

In July 1992, HVO acquired VAX workstations for timing earthquakes using a "generic" version of CUSP. In addition to timing P and S arrival signals, the VAX workstations are capable of measuring peak-to-peak amplitudes along with the associated period. This capability allowed the renewal of amplitude magnitude determinations from the network seismic stations. Amplitude data gathered from July to December became part of a test set to determine magnitude corrections for network stations. The amplitude magnitudes included in this report, however, were calculated from the existing photographic stations.

The crustal model used is specified by velocities at four depth points. Velocity at any depth is given by linear interpolation between points and uses a homogeneous half-space, as listed below:

VELOCITY (km/sec)	DEPTH (km)
1.9	0.0
6.5	4.6
6.9	15.0
8.3	16.5

Two empirical sets of station delays or corrections were used in the HYPOINVERSE locations and are given in Table 1. The delay models are separated by a circle of radius 34 km, centered at 19°22' N and 155°10' W. Delay model 1 is used for epicenters occurring within a circle of radius 31 km from the center. This region includes Kilauea and its south flank. A combination of the two delay models is used for epicenters that fall in a transition zone that is 6 km wide. Delay model 2 is applied to the rest of the island and offshore earthquakes. (For a detailed description, refer to Klein, 1989.)[2]

Magnitudes for most events are computed using recorded amplitudes on low gain or Wood-Anderson stations. Amplitudes read from other than Wood-Anderson instruments are corrected to an equivalent Wood-Anderson amplitude using the curves of Figure 4 and CAL factors listed in Table 1. Amplitude magnitudes larger than 2.5 are generally based on the Wood-Anderson instruments in Hilo or on Type 2 seismographs at Uwekahuna. A coda-amplitude (CD) magnitude determined by CUSP has also been included. The CD magnitudes were computed using maximum amplitudes and coda decay rates from digitized signals.

[2] Klein, F.W., 1989, User's guide to HYPOINVERSE: U.S. Geological Survey Open-File Report 89-314, 58 p.

The emphasis in both station coverage and detailed data analysis is on the highly active southern half of the Island of Hawaii. Hundreds of earthquakes too small to locate are classified as to type[3] and counted daily. The set of well-recorded earthquakes located in the Hawaii Island region is nearly complete above magnitude 2.0. Many smaller events are located in the densely instrumented Kilauea area. Substantial effort is made to locate earthquakes elsewhere within the Hawaiian Archipelago. Such coverage cannot be as complete as in south Hawaii, but nearly all events above magnitude 4.0 are located with limited precision. Data presented in the seismic catalog are in four parts: (1) Table 3 gives duration of harmonic tremor and numbers of earthquakes (most too small to locate) from several source regions around Kilauea and Mauna Loa. The source region is determined visually from signal character and pattern of arrival times at key stations. (2) Maps showing computer-located hypocenters are given in Figures 9-22. The location maps are of different scales and provide hypocenters with magnitude thresholds set at 1.0, 2.0, 3.0, and 3.5, varying according to region. (3) The list of computer locations constitutes the bulk of this summary and is given in Table 5. Each earthquake on the list is assigned a three-letter code based on its general location and depth. Figures 5-8 are maps of the regions used to assign the location codes. The latitude and longitude limits of rectangular regions are listed in Table 4. When the listed coordinates overlap, precedence is given according to Figures 5-8. (4) Table 6 re-lists the events in Table 5 for which either duration or amplitude magnitude is 3.0 or larger. This list includes many of the earthquakes felt in Hawaii.

Table 3. Number of earthquakes and minutes of tremor recorded on seismographs around Kilauea and Mauna Loa.

Earthquake categories are as follows:

1) Kilauea summit, short-period caldera: shallow earthquakes beneath the caldera.
2) Kilauea summit, long-period caldera A: earthquakes characterized by low frequency signatures of 3 to 5 Hz, often originating 0-5 km beneath the summit.
3) Kilauea summit, long-period caldera B: earthquakes characterized by low frequency signatures of 1 to 3 Hz, often originating 0-5 km beneath the summit.
4) Kilauea summit, long-period caldera C: earthquakes characterized by low frequency signatures of 1 to 5 Hz, often originating 5-15 km beneath the summit.
5) Kilauea summit 30 km: earthquakes about 30 km deep beneath the summit region.
6) Kaoiki and southwest rift: earthquakes beneath the southwest rift of Kilauea, western parts of the Koae faults, and adjacent Kaoiki fault system of Mauna Loa.
7) Upper east rift: earthquakes in the upper and middle east rift zones, the adjacent parts of the south flank, and eastern parts of the Koae faults.
8) Lower east rift: earthquakes in the lower east rift zone and adjacent parts of the south flank.
9) Mauna Loa short-period: shallow earthquakes in the Mauna Loa summit region.
10) Mauna Loa long-period: earthquakes characterized by low-frequency signatures near the summit region.
11) Mauna Loa northeast rift: earthquakes beneath the northeast rift zone of Mauna Loa.
12-15) Tremor is separated into four categories: Kilauea—shallow, intermediate, and deep, and Mauna Loa. Depth is inferred on the basis of relative amplitudes on seismographs.

The criteria for Kilauea shallow tremor have been changed to accommodate the ongoing eruption, for which tremor in the middle east rift zone is continuous. Distinction is made between high-amplitude tremor related to strong eruptive periods and low-amplitude tremor during periods with no surface lava production. Only minutes of tremor at saturated levels recorded locally at STC and/or KLC are included in Table 3.

[3] Koyanagi, R. Y., 1982, Procedure for routine analyses and classification of seismic events at the Hawaiian Volcano Observatory, Part I: U.S. Geological Survey Open-File Report 82-625, 32 p.; figs., 59 p.

Table 3. KILAUEA SUMMIT KILAUEA FLANK MAUNA LOA TREMOR (MINUTES)

DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	KILAUEA INT.	KILAUEA DEEP	MAUNA LOA
JAN 1	51	190			1	19	68	11	2	30	2				
2	18	64		1		17	62	7	3	17					
3	7	68		1	1	11	91	8	1	6	1				
4	11	56		1		29	78	11	3	6	3				
5	10	56		3	3	33	59	9	14	4	7				
6	61	66		37		31	127	3	3	6	1				
7	12	58		6	1	25	93	11	8	5	5				
8	8	46		6		20	106	8	5		7				
9	9	41				22	99		4	2	2				
10	14	66		3		20	61	3	3	17	3			3	
11	10	79		11		24	92	3	1	12	5				
12	14	64		19		37	134	9	5	1				1	
13	30	107		12		37	267	8	6	3					
14	15	59		3		24	104	7	9		2		19		
15	27	41		12		31	86	6	9	1				12	
16	21	58		13		59	77	8	3		1				
17	17	11	1	19	1	26	53	9	3	1	3				
18	14	67		11		27	77	6		1	2				
19	40	33	3	46		34	112	6	1	4				1	
20	10	21		594		43	71	7	2	3	2				
21	11	46		741		28	76	10	10		2		6		
22	81	134		262		33	69	19	8	1	4				
23	64	114		62		32	103	5		1	3				
24	8	78		9		15	228	11	4		4				
25	20	104	3	8		23	259	7	3	14	1				
26	22	56		24		42	251	8	4		4			3	
27	24	56		21		25	227	13	3	5	2				
28	49	52		45		28	212	11	1	1				1	
29	23	45		31		35	206	9	3	1	1				
30	17	28		32		17	80	6	1		1		60		
31	10	121		41		17	72	8	1		2				
FEB 1	26	87		40		20	89	9	6	3	5				
2	12	32		132		17	88	4	1						3
3	10	42		138		25	37	6	1						
4	19	32		74		121	100	5	2	1	2				
5	8	21		191	1	17	76	2	1		2			11	
6	25	36		135		6	196	1	6	4					
7	11	69		139		9	106	15	1	20	7				
8	29	79		11		16	58	8	1	7	3				
9	3	42		85		32	122	10	1	2				38	
10	34	160		26		29	126	8	2	4	1			11	
11	11	56		22		21	215	15	2						
12	10	53		48	2	31	387	6	2	3	1			46	
13	8	47		40		35	198	7	2						
14	43	104		6		28	133	6							3
15	16	108	1	15	1	18	117	6	1	2	1				
16	36	65				18	107	4		1	1				
17	10	65		4		26	144	10			1	780			
18	2	23	53	7		17	63	10				1440			
19	3	23	394	18	1	27	51	16	5		3	1440			
20		16	171	8		30	41	10	8		1	1440			
21	6	4	25	133		20	44	8	4	2	5	1440	4		
22	2	25	7	179		28	59	4	3	2	4	1440			
23		17	1	61		31	77	5	2	1	3	1440			
24		17		35		30	48	9	2			1440			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
FEB25		14	2	184		39	34	2	4		1	1440			
26	4	9	7	299		11	42	3	1			1440			
27	3	16	1	37	1	25	41	6	1			1440			
28	12	29	5	68		26	31	5		4	5	1440			
29	5	32	1	77		38	19	10	3		6	1440			
MAR 1	2	23		27		32	42	3	1	1	2	1440		5	
2	2	19		1		19	2384	10	1	1		1440		3	
3	4	14	5	2		27	569	4	2					35	
4	3	39	83	5		37	186		1		1				
5	6	23	37	54		38	104	8	3		4			6	
6	11	32	4	1		19	72	5	5	3	6				
7	8	26		46		30	126	4	4	2	9	1035			
8	4	24		9		25	63	10	3		1	1380			
9	3	18		4		21	51	5	2		1	1440		5	
10	2	25		2		24	51	11	6	1	2	1140		6	
11	4	29		12		23	52	14	3	1	1	1440		29	
12	3	23		9		37	65	6	4		1	780			
13	16	62	1	15		13	52	3		2	2				
14	26	44		7		17	55	5		3	6	1320			
15	12	50		5		29	95	7	2	1		540			
16	22	72		7		30	114	8	8	3	1	12			
17	25	29		5		30	45	5	2		2	1260			
18	12	39		5		22	71	4	1		1	1440			
19	16	55		3		24	64	5	1		1	1440			
20	15	76	1	5		20	51	2	4	1	8	1440			
21	26	56	2	83		24	39	4	5	1	7	1440			
22	7	36		51		25	59	17	5	1	1	1140			
23	8	27		44		32	42	1	4	1	1	1440			
24	16	39	1	4		37	52	3	7	1	3	1440			
25	18	27		6		26	48	6	7	2	1	1440			
26	13	27		37		30	64	8	6	4		360	5		
27	29	91		8		41	87	8	3	3	7				11
28	48	109		19		24	111	11	6	9	6				
29	50	86	1	4		29	95	5		9	1	1410			5
30	21	48		26		23	76	6	1	1		900		9	
31	14	39		28		31	93	9	4	2	1	1170			5
APR 1	17	47		22		18	76	7	3	2	3	1440		19	
2	34	34		43		23	57	6	3		3	1440			
3	22	40	3	23		20	42	9	2	3	6	1500			
4	15	35	3	4		25	62	8	4	1	5	1380			
5	9	33		13		15	51	6		1		1380			
6	23	62	2			42	65	8		1		1440		32	
7	14	47				34	97	3	2	5		1440			
8	11	46				64	58	12	3		1	1440			
9	15	29		5		47	84	10	3	1	3	1470			
10	17	40	7	35		43	49	13	3	2	6	1470			
11	4	32	6	12		19	56	7	4	2	8	1440			
12	16	23		7		24	51	7	1		2	1380		2	
13	21	38		15		23	79	7	5	2	3	1440			
14	14	25	24	16		20	60	9	8	2	3	1440			
15	21	40		4		44	66	7	1	1		1440			
16	14	31		58		50	71	5	3	3	2	1470		10	
17	9	43	5	28		37	59	8		2	9	1470	8		
18	13	35	10	2		18	40	2	1	5	7	1320			
19	28	53		19		28	86	3	2			1020			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
APR20	70	152		17		28	308	5	2		1			21	
21	63	171		10		37	104	12	7	3	2			5	
22	44	155		11		35	248	9	2	2	2				3
23	20	105		24	1	36	115	5	1			780	7	23	
24	9	23		19	1	25	47	10		2	5	1500			
25	9	16	1	14		17	42	4			6	1440			
26	6	11	32	30	5	30	60	3			2	1440	8		
27	9	7	9	15	1	46	66	4	4		2	1410		3	
28	9	16	2	6		60	73	3	4	5		180			
29	14	66		8		47	88	6	4	1	1			15	
30	18	43		15		51	126	3	3	2					
MAY 1	36	206		3		21	74	12	6	3	3				
2	38	223	2	2		23	106	9	4	2	9				2
3	31	71	1	7		24	165	7	1	10	2				
4	12	52	2	3		24	82	3	3	1		1140			
5	6	39		3		27	77	2	2	3		1440			
6	9	34	11	4		33	57	2	1		1	1440			
7		47	2	5		22	43	2	2	2		1440			
8	12	35	83	21		32	39	14	1	1	10	1500	2		
9	6	15	72	5		22	37	14	2	3	13	1440			
10	2	18	98	5		38	63	7	3	1	1	1380			
11	1	31		35		49	60	1	2			1140	35		
12	1	30	1	15		43	57	2			2	1410			
13	7	19	1	6		30	52	6	1	1	3	1440		50	
14	6	31	136	3		39	54	5	1	1		1440			3
15	4	21	116	4		34	66	9	1	3	3	1500			
16	4	18	139	13		23	47	9		7	5	1440			
17	3	26	442	20		38	51	10	1		1	1380		4	
18	5	21	192	46		24	59	12			3	1440		4	
19	67	28	185	39		22	51	3		1	1	1470		23	
20	8	25	118	15		24	51	7				1410			
21	3	27	86	10		21	71	8	1			1440			
22	7	68	49	4		23	72	13	1	1	3	300			
23	16	61	2	4		13	70	8	5	3	3				
24	48	157	1	8		30	79	3		3					
25	28	120		11		35	109	3		1					
26	20	69		4		29	153	8	4	1	6	360			6
27	6	56	33	6		26	76	9	2	1	4	1470		13	
28	8	29	192	61		32	88	9	6		1	900			
29	6	28	7	39		29	67	7	3	5	1				
30	7	17	12	133		16	67	5	1		3				
31	7	119		69		32	81	10	4	1	1				
JUN 1	30	177	1	26		22	140	4	7	4		450			
2	10	44	22	20		20	86	6	6	2	2	1440			
3	4	36		16		31	93	4	5		4	1410			
4	5	27		9		38	91	11	4	2		1470		4	
5	14	23	5	9		34	72	11		5	12	1440			3
6	9	17	20	23		22	49	2		12	4	1350			
7	9	23	29	49		26	62	12	3					45	
8	27	80		9		27	52	3	1	1					
9	69	208		29		27	151	4	2	3					
10	33	64		32		47	140	2	1		1	1085			
11	18	49	34	3		33	67	7		3	1	1440		2	
12	8	12	12	1	1	18	38	2	4	7	7	1440			
13	4	9	3	4		19	19	3	7	2	1	1440			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
JUN14	14	22	3	20		23	35	8	2	2	3	1440			
15	4	28		24		16	51	5	1	2	4	1215			
16	6	43		32		18	45	5	3	1	9				
17	13	46		36		26	61	5	2						
18	12	45		71		32	79	8	4				6		
19	16	24	2	64	1	25	58	4	1	3	20				
20	13	32	1	69		25	108	5		1	5	540			
21	10	27	9	46		27	64	1	2			1380			
22	2	30	6	23		32	63	3			2	1470			
23	5	21	14	71		24	45	11	2		5	1440			
24	7	20	48	79		28	44	5	2			1410		18	
25	4	6		63		30	60	7	5			1440		113	
26	1	23		36		26	38	6	2	1	1	1470		5	
27	4	18	12	47		16	29	3	4	3	2	1410	7	7	
28	5	18	1	24		21	31	5	3	3	6	1440			
29	2	20	110	25		28	32	6	7		1	1440			
30	1	28	74	3	1	36	38	4	3	2	3	1440			3
JUL 1		30	14	3		20	30	10	3		6	1440			
2	4	24	14	1	1	11	47	9	4	4	3	1500			
3	4	17	5	3		17	54	6	2	1	4	1440			
4	6	14		1	1	18	24	3	2		3	1440			
5	3	36	1	1		24	43	5	4	2	1	1380		4	
6	10	32	1	6		31	74	13	6		3	1440		11	
7	5	34	23	9		20	63	7	8	3	5	1440			
8	10	26	13	12		10	29	1	2	1	3	1440			
9		15	25	3		17	28	4	4		1	1440			
10	6	28	7	13	1	27	33	3	3	1	3	1470			
11	6	19				14	35	8	4		3	1440			
12	5	45	38			39	48	2	7		1	1380	8		
13	5	50	52	8		39	29	3	8	1	1	1440			
14	5	41	26	7		28	26	2	4	1	2	1440			
15	5	36	3	10		20	57	4	4	5		1440			
16	3	35	28	27		19	48	3	2			1440	10		
17	9	23	23	3		21	38	6	2			1440			
18	8	25	13	7		22	53	1	2	2	1	1500			
19	8	45	8	10		20	50	1	8		1	1380			
20	4	32	18	7		21	43		2			1470	7		
21	3	48	8	25		23	47	3	3		4	1380			
22	1	34	275	3		24	45	1	4		4	690			
23	11	56	2	13		17	38	1	5		2				
24	29	130		2	1	23	50	5	2	1	4				
25	69	175				21	39	2	1		1				
26	20	188		9		25	121	2	4	1	1	408		3	
27	4	35		3		18	47	3	7	2	4	1440			
28	4	36		11		20	51	4	4	2	5	1440	4	10	
29	3	31	1	5		24	42	8	3		3	1440			
30	2	21		1	2	31	28	2	2	1	3	1440		2	
31	10	23	1	4		14	36	4		3	1	1500		7	
AUG 1	7	13	1			13	32	5	2	1	3	1380			
2	2	12	157	3		21	42	4		2		1440		2	
3	3	14	167	6	1	33	33	3	4		1	1440		4	
4	1	26	266	5		23	26	8	3	3		1410			7
5	2	28	238	2		21	50	5	3	2	1	1470			
6	1	27	143	1	3	29	30	1	1	1	4	1440			
7	5	12	7	3		16	33	4		2	7	1440			11

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
AUG 8	13	17	17	5		13	23	2	3	1	3	1440			
9	1	20	217	8		38	41	10	2	1	1	1440			
10	2	29	297	42		18	35	1	3	4	1	1440			
11	3	24	345	48		25	32	2	5	1	1	510			
12	2	30	142	48		20	100	1	7	3			3		
13	2	69	20	68		12	53	3	3	3	3				
14	21	83	2	24		21	75	4	2	5	4			41	
15	16	27		16		43	80	4			7	990			
16	7	54	7	3	1	43	37		7	5	4	1410		26	
17		47	4	15		27	58	6	3		4	1440		13	
18	2	27	12	8		30	57	5	8	2	1	1380			
19		23	49	8		39	49	3	4	2	2	1470		2	
20	2	26	8	23		29	83	3	3	6	2	1440			
21	16	22		10	1	14	51	1	5	1	3	1470			
22	5	18		15		14	49	4		5	3	1410			
23		27	13	20		26	66	1	2	1	4	1470			
24	9	43	2	7		15	39	4	6	7	2	1380			
25	1	36	10	6		22	44	1	3	2	1	1440			4
26*												1440			
27	2	32	6	15		25	61	1	2	1		1440			
28	5	3		5		8	17	1		1	1	1560			
29	10	9	1	18		11	41	2		3	7	120			
30	12	56		8		41	82	2	8	2	1			5	
31*												1440			
SEP 1	16	141	2	9		22	225	4	2		3	835			
2	9	39	3	31		33	114	1	6	2	3	1440	3		
3	4	31	1	6		31	55	5	5	1	6	1440			
4	10	14		27		19	30	1	3	5	3	1440		6	
5	5	13	10	24		15	27		1	4	4	1440			
6	2	27	15	40		19	56	2	7	1		1440	23		
7		24	58	143		24	51	2	5			1440			
8	8	23	9	59		26	48	4	2	1	4	1170			
9	3	38		21		22	37	1	4	1	1				
10	88	114		9		16	60	1	1						
11	53	240		4		17	149	4	1		3				
12	13	47		24		26	110	1	3		2	900			
13	5	29		1		13	84	2	2		1	1500			
14	12	21	7	29		13	83	2	4	1	1	1350		32	
15	25	31	29	31	1	11	117	4	9	1	2	1470		29	
16	1	22	16	43	2	10	93	2	5	1	2	1440			
17	8	28	113	52		16	99	1	6		1	1440		31	
18	6	21	37	19	1	18	55	3	4	2	2	1470			
19	4	28	13	11		23	56	3	4		1	1410			
20*												1440			
21	2	25		7		23	64	3	5	7	1	1380	4		
22	1	5		7		28	41	3	3	4	1	1470			
23		31	2	11		24	54	10	7	2	3	1440		3	
24		30	21	34	4	25	49	9	7	1		1440			
25		30	2	36		23	46	2	2		2	1440			
26	4	24	1	35		23	68	5	1		3	1440			
27	9	18	1	14		26	36	4	1	2	5	1200			
28	1	24	197	15		27	72	4	7		2				
29	3	69		13	1	27	47	4	4	2				3	
30	5	85	2	11		25	65	9	4		6			37	
OCT 1	13	213		6		20	93	2	2	1					

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
OCT 2	13	69		5		15	197	4	5	1		1020			
3	1	26	219	5		20	28	2	4		3	1440			
4	1	25	175	1	1	10	41	2	2		2	1500			
5	1	28	111	5		15	51			1	1	1380			
6	2	23	119	1		19	38	4	1			1440		7	
7	3	19	85	2		18	49	5	5		4	1440			
8		25	44	2		18	42	2	3		2	1440			
9		36	33	2		26	51	3	4	1	3	1470			
10		80	9	2		15	23	3	1	2	3	1410			
11	1	98	5	2		18	31	3	7		7	1680			
12*												1440			
13	2	20	2	3		22	48	4	7		3	1440		35	
14		42		8		29	50	8	2		1	1440			
15		32	1	10		22	39	10	6	2	4	1440			
16	2	21		8		10	45	2	7			1470			
17	3	33		23		22	35	8	3		1	1410	3		
18	2	32		15	1	26	60	6	3	1	1	103			
19	1	23		11		16	44	6	3		2	1230			
20	1	37	7	28		6	44	2	6	1		1440			
21	1	21	2	3		14	33	5	1			1500			
22	5	30	1	1	1	14	31	6		1		1380			
23	10	51		1		9	40	3				1470			
24	3	30			1	11	15	3	1			1470			
25	4	22				13	28	6	2			1440			
26		25		17		17	45	4	1		2	1380		2	
27	2	17		2		28	35	6	6	2	2	1470			
28	3	28		1		19	33	7	3	1		1410			
29	3	27				14	43	8			2	1440			
30	1	22		8		24	52	12				1440			
31	1	23		5	1	23	66	12	8			1500		6	
NOV 1	1	27	1	7		18	48	9	2			1440		10	
2	1	21				22	39	4				1410			
3	1	16				24	54	2				1410			3
4	1	19				12	34	9	4	1	2	1440			
5		23		3		18	35	3	3		1	1440			
6	4	22	1	2		15	36	4	1		1	1470			
7		18				20	32		1		4	1470		3	
8		21	6	1		16	37	7			2	1440		8	
9	5	14				26	16	4			5	1380			
10	1	24		2		19	29	2	2		1	1500		50	
11	5	24		11		13	38	9	2		2	1380		42	
12		26	236			26	36	5	3	2	3	1440		38	
13	2	22	1	1		18	42	2	1		1	1500			
14	2	34	2			17	32	5	3		2	1440			
15	2	22		1		19	24		2	1	1	1380		45	
16	1	31	2			13	34	9	1		1	1440	6	9	
17	4	25		2		22	27	6	3	1	3	1440			
18		43	51	2		15	33	9	2	1	3	1500	15	6	
19	4	133	2	5		10	15				1	1380	312		
20	2	17		9	1	25	17	5	2	1		1470	30		
21		45		35		10	35	5	9			1440	107		
22	3	46		40		14	21	4	2		1	1470			
23	10	35	4			16	35	1	6		4	1380			
24	2	27	3	7		19	16	3	6		7	1440			
25		17	4	183		13	33	5	2	1	6	1470	60		

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1992	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
NOV26	2	31	20	121	6	22	32	2	3		2	1440			
27	2	31	1	30	1	13	26	1	3		1	1440			
28	4	52		29	1	6	30	1	3	1	2	1440			
29	5	100		2		14	34	2	4			1410			
30	5	87	4	7		19	38	1	5	2	3	1440			
DEC 1	16	83		3		9	46	3	3	2	3	1440			
2	3	54		2		20	49	2	4	1	1	1440		11	
3	7	56		11		15	42	7	1		2	1440	5	28	
4	10	44	1	1		6	16		4	8	2	1440			
5	10	51	4	1		3	16		2	5	3	1440			
6		43	1	1		8	21	2	1		1	1440			
7	1	42	2	4		17	24	5	3	4	2	1440			
8		28	1	6		20	27	6	6	1	3	1440			
9	2	35	3	6		19	37	9	4	2		1440			
10	2	43		4		22	19	6	2	2		1440			
11	3	33		13		20	34	1	8	1		1440			
12	1	32		3		21	46		6			1440			
13	2	31		2		14	36	5	8			1440			
14		36				15	31	1	1			1440			
15	4	28		1		5	40	7	2		2	1440			
16		41		1		17	37	3	9	1	4	1440			
17	2	33		3		15	38	4		3	2	1440		5	
18*												1440			
19	1	21		20		18	32	7	9		2	1440			
20	1	30		1		24	40	8	7	1	3	1440			
21	3	39		3		29	42	5	6	1	3	1440			
22	3	25		4		28	36	2	2		4	1440		12	
23	2	44		1		24	48	4	5	4	13	1440		5	
24	1	30		4		22	48		5	1	1	1440			2
25	1	27		3		19	43	3	4	2	1	1440		77	
26	4	44		2		18	41	2	2			1440		4	
27		38		2		18	33		6			1440		3	
28	2	33		5		18	42		3		2	1440		11	
29	1	43		2		24	44	4	6		4	1440			
30	2	57				16	25	1	3			1440			
31	3	53		5		14	28	6	1	8	1	1440			

*Data incomplete - station(s) or recorder not in operation.

Table 4. Names and coordinates of regions used for classifying earthquakes.

All earthquakes locate in one of the following groups, identified by a numerical class or three-letter code:

—Shallow:

1 SNC - Shallow north caldera (0-5 km)
2 SSC - Shallow south caldera (0-5 km)
3 SEC - Shallow east caldera (0-5 km)
4 SER - Shallow east rift (0-5 km)
5 SME - Shallow middle east rift (0-5 km)
6 KOA - Koae fault zone (0-5 km)
7 SSF - Shallow south flank (0-5 km)
8 SLE - Shallow lower east rift (0-5 km)

—Intermediate depth:

9 SF1 - Kilauea south flank (5-13 km) (west end)
10 SF2 - Kilauea south flank (5-13 km)
11 SF3 - Kilauea south flank (5-13 km)
12 SF4 - Kilauea south flank (5-13 km)
13 SF5 - Kilauea south flank (5-13 km) (east end)
14 LER - Lower east rift (5-99 km)
15 MLO - Mauna Loa (0-13 km)
16 LSW - Lower southwest rifts of Kilauea and Mauna Loa (0-13 km)
17 GLN - Glenwood (0-13 km)
18 SWR - Southwest rift (0-13 km)
19 INT - Intermediate caldera (5-13 km)
20 KAO - Kaoiki (0-13 km)

—Deep:

21 DEP - Deep Kilauea (>13 km) (below regions 1-13, 17-19)
22 DLS - Deep lower southwest rift (>13 km) (below region 16)
23 DML - Deep Mauna Loa (>13 km) (below regions 15, 20)

—Outer regions, all depths:

24 LOI - Loihi
25 KON - South Kona
26 HUA - Hualalai
27 KOH - Kohala
28 KEA - Mauna Kea
29 HIL - Hilo
30 DIS - Distant, everywhere else

Table 4 (continued). The latitude and longitude limits of the regions are given below. When the coordinates overlap, precedence is given as in the maps.

No.	Code	N. Lat.	S. Lat.	W. Lon.	E. Lon.
1	SNC	19 28.0	19 24.5	155 19.0	155 14.0
2	SSC	19 24.5	19 22.0	155 19.0	155 16.5
3	SEC	19 24.5	19 22.0	155 16.5	155 14.0
4	SER	19 26.0	19 20.5	155 14.0	155 07.2
5	SME	19 26.0	———	155 07.2	155 00.0
6	KOA	19 22.0	19 20.5	155 17.0	155 14.0
7	SSF	———	19 10.0	155 17.0	155 00.0
8	SLE	19 32.0	19 16.0	155 00.0	154 40.0
9	SF1	19 22.0	19 10.0	155 17.0	155 14.5
10	SF2	19 26.0	19 10.0	155 14.5	155 12.3
11	SF3	19 26.0	19 10.0	155 12.3	155 09.1
12	SF4	19 26.0	19 10.0	155 09.1	155 05.3
13	SF5	19 26.0	19 10.0	155 05.3	155 00.0
14	LER	19 32.0	19 16.0	155 00.0	154 40.0
15	MLO	19 35.0	19 19.0	155 35.0	155 19.0
16	LSW	19 19.0	18 40.0	155 43.0	155 25.0
17	GLN	19 35.0	19 26.0	155 19.0	155 00.0
18	SWR	19 22.0	19 10.0	155 25.0	155 17.0
19	INT	19 28.0	19 22.0	155 19.0	155 14.0
20	KAO	19 30.0	19 19.0	155 32.0	155 19.0
21	DEP	19 35.0	19 10.0	155 25.0	155 00.0
22	DLS	19 19.0	18 40.0	155 43.0	155 25.0
23	DML	19 35.0	19 19.0	155 35.0	155 19.0
24	LOI	19 10.0	18 40.0	155 25.0	155 00.0
25	KON	19 39.0	19 00.0	156 20.0	155 43.0
26	HUA	19 55.0	19 39.0	156 20.0	155 43.0
27	KOH	20 25.0	19 55.0	156 20.0	155 34.0
28	KEA	20 25.0	19 35.0	155 34.0	154 40.0
29	HIL	19 47.0	19 32.0	155 09.0	154 40.0

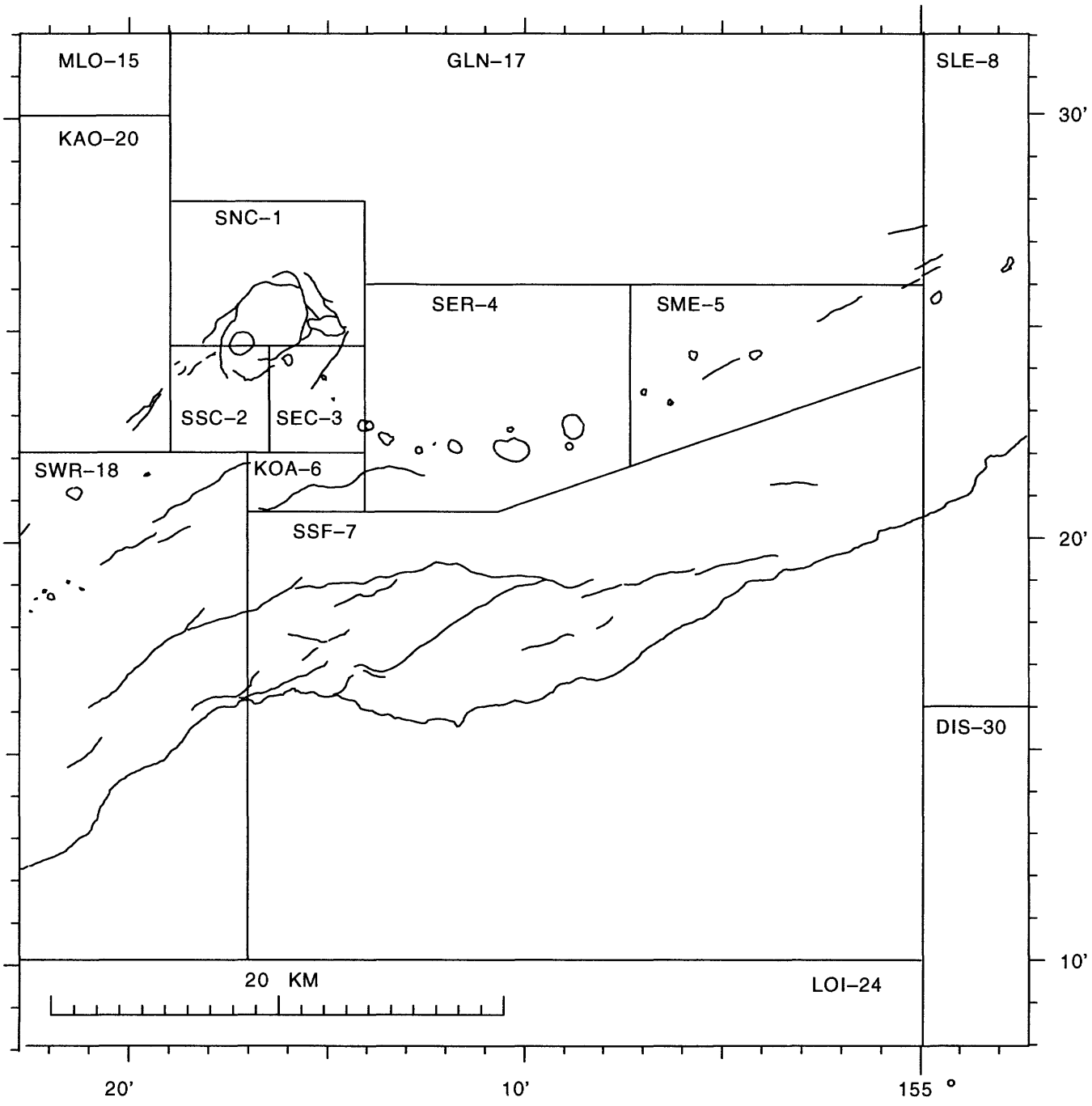

Figure 5. Earthquake classification, shallow (0-5 km deep), for Kilauea and the east flank of Mauna Loa.

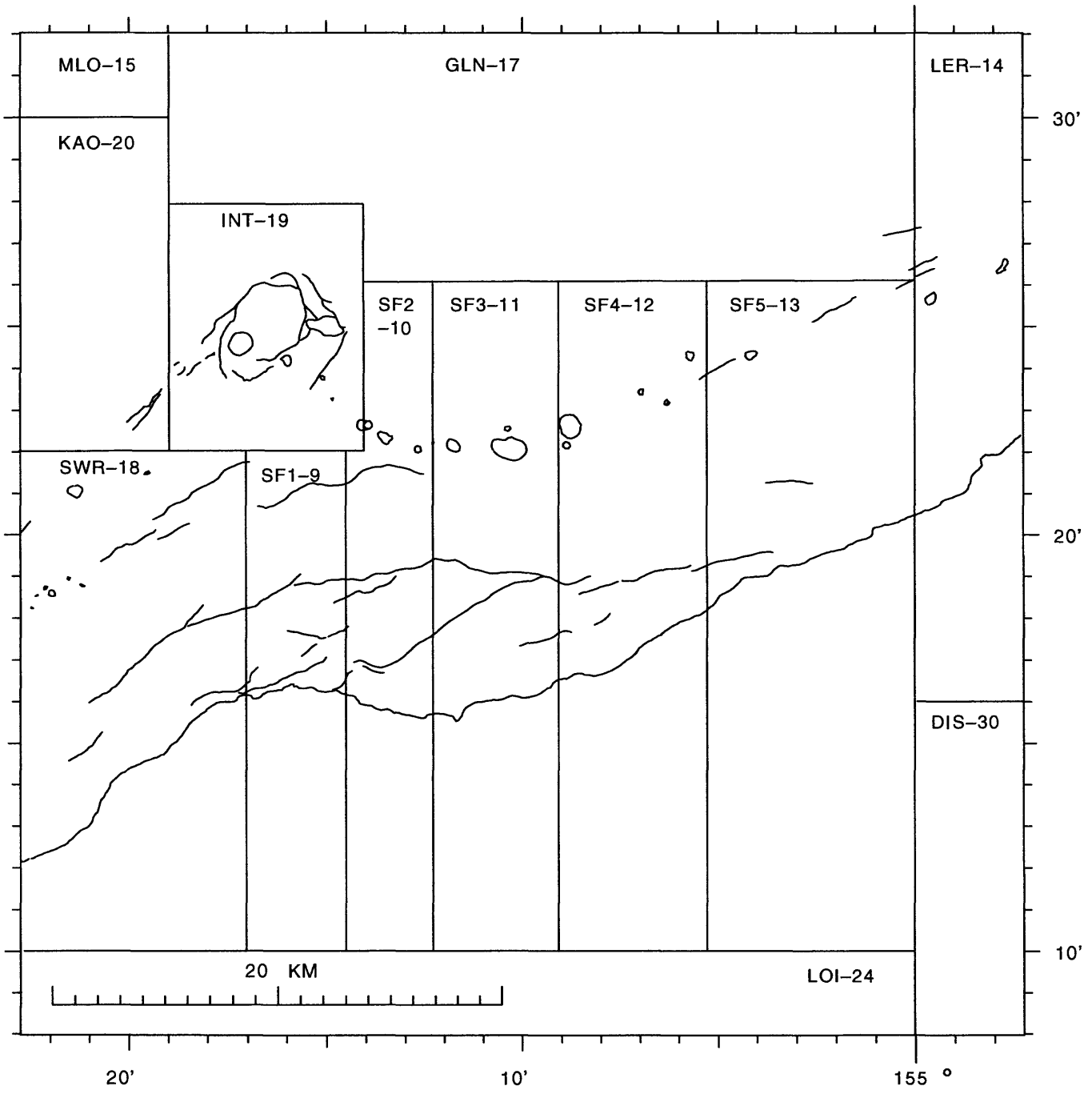

Figure 6. Earthquake classification, intermediate (5.1-13 km deep), for Kilauea and the east flank of Mauna Loa.

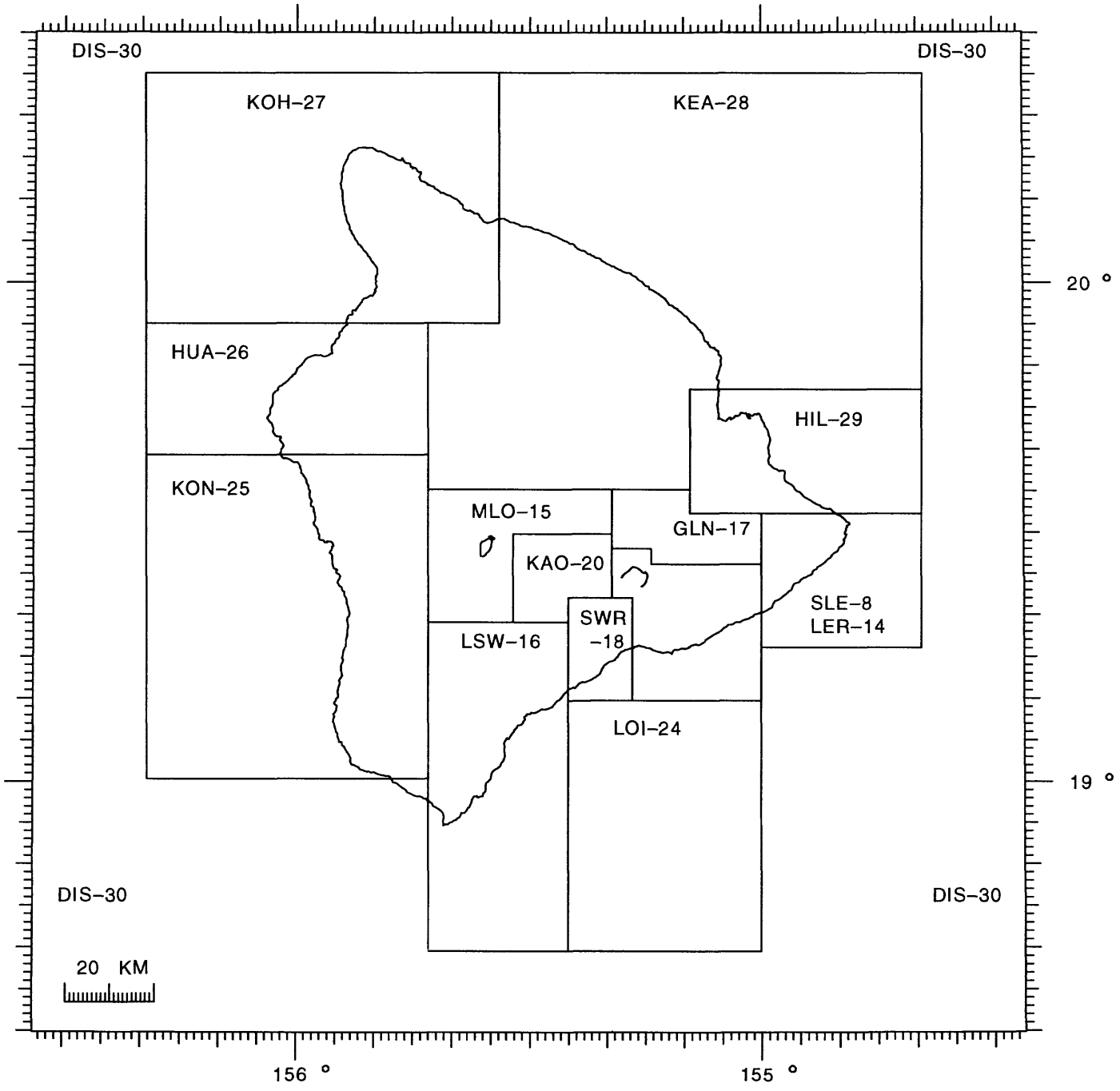

Figure 7. Earthquake classification, crustal (0-13 km deep), for the Island of Hawaii.

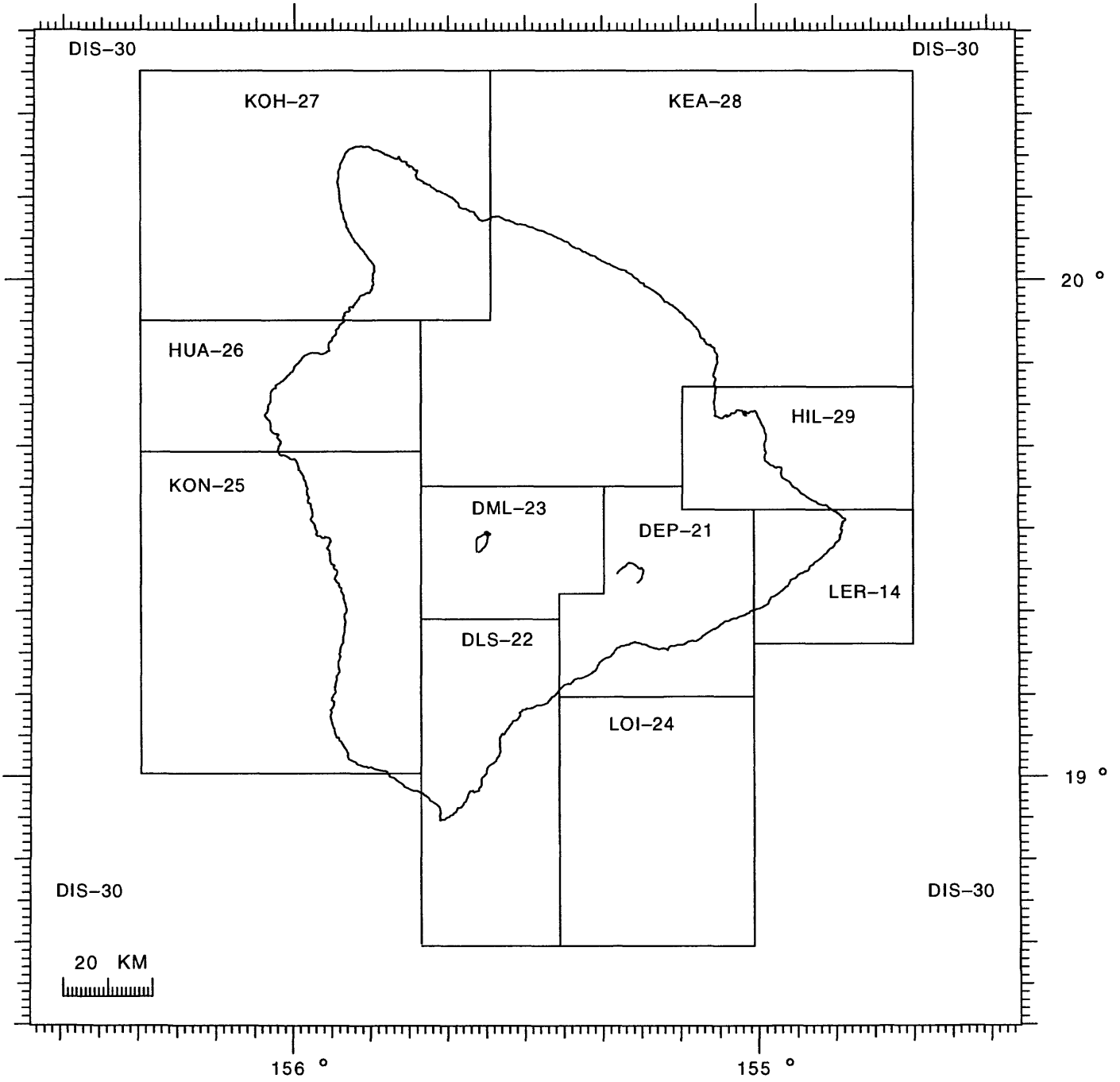

Figure 8. Earthquake classification, deep (greater than 13 km deep), for the Island of Hawaii.

Figure 9. 1992 Earthquake Locations, Hawaiian Islands, 0–60 km depth, M>=3.5.

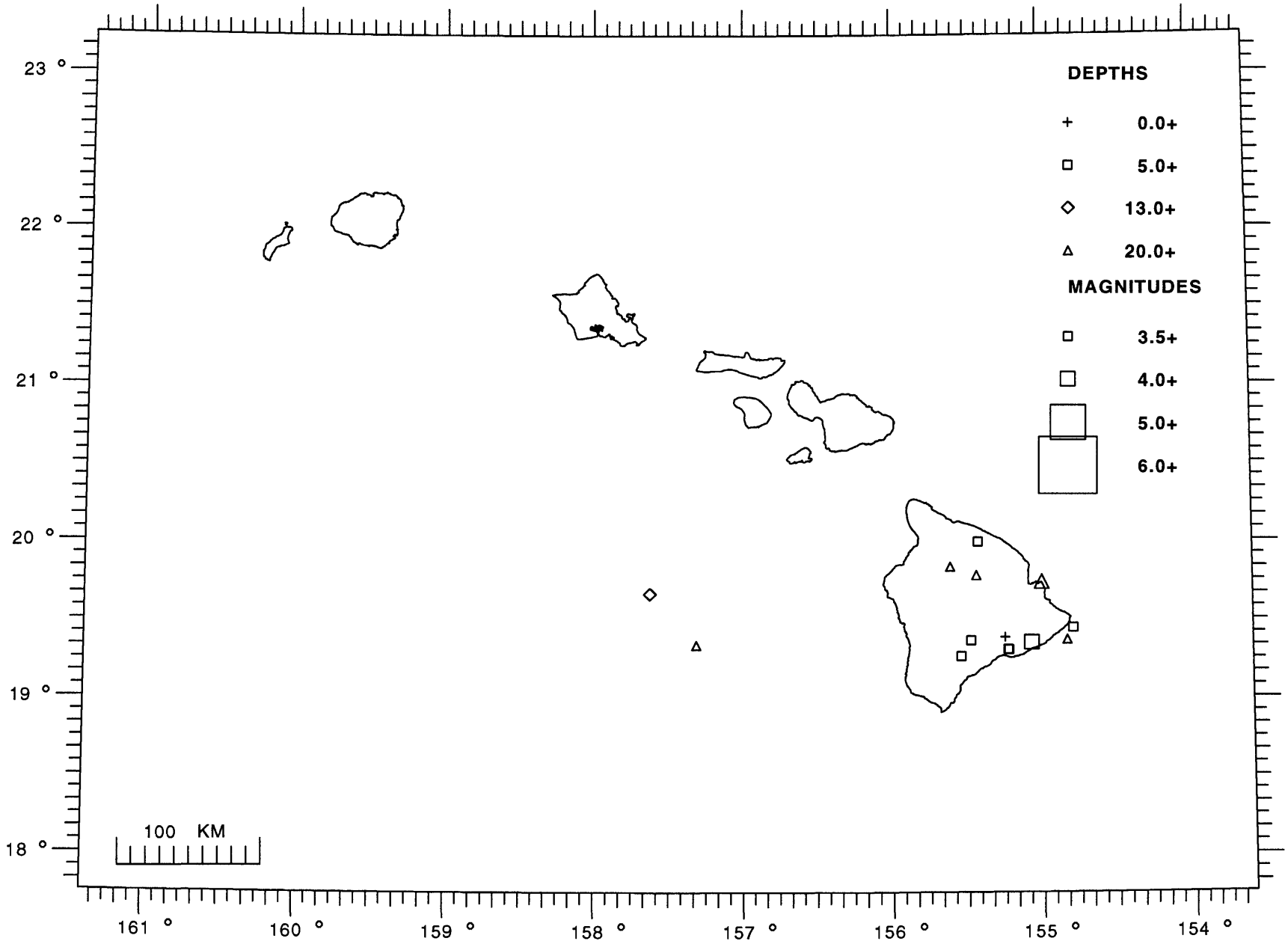

Figure 10. 1992 Earthquake Locations, Hawaii Island,
0–60 km depth, M>=3.0.

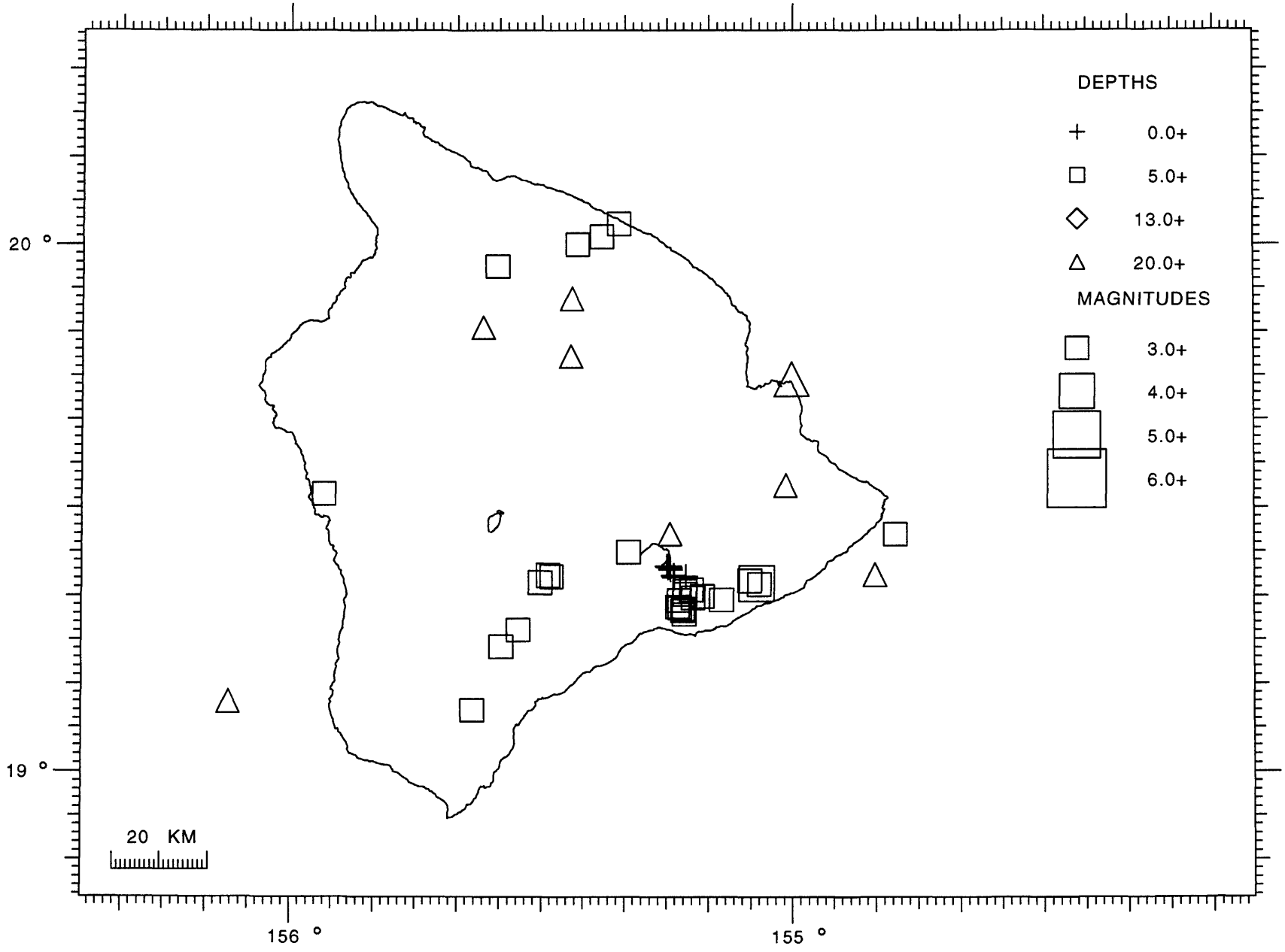

Figure 11. 1992 Earthquake Locations, Hawaii Island, shallow (0–5.0 km depth), M>=2.0.

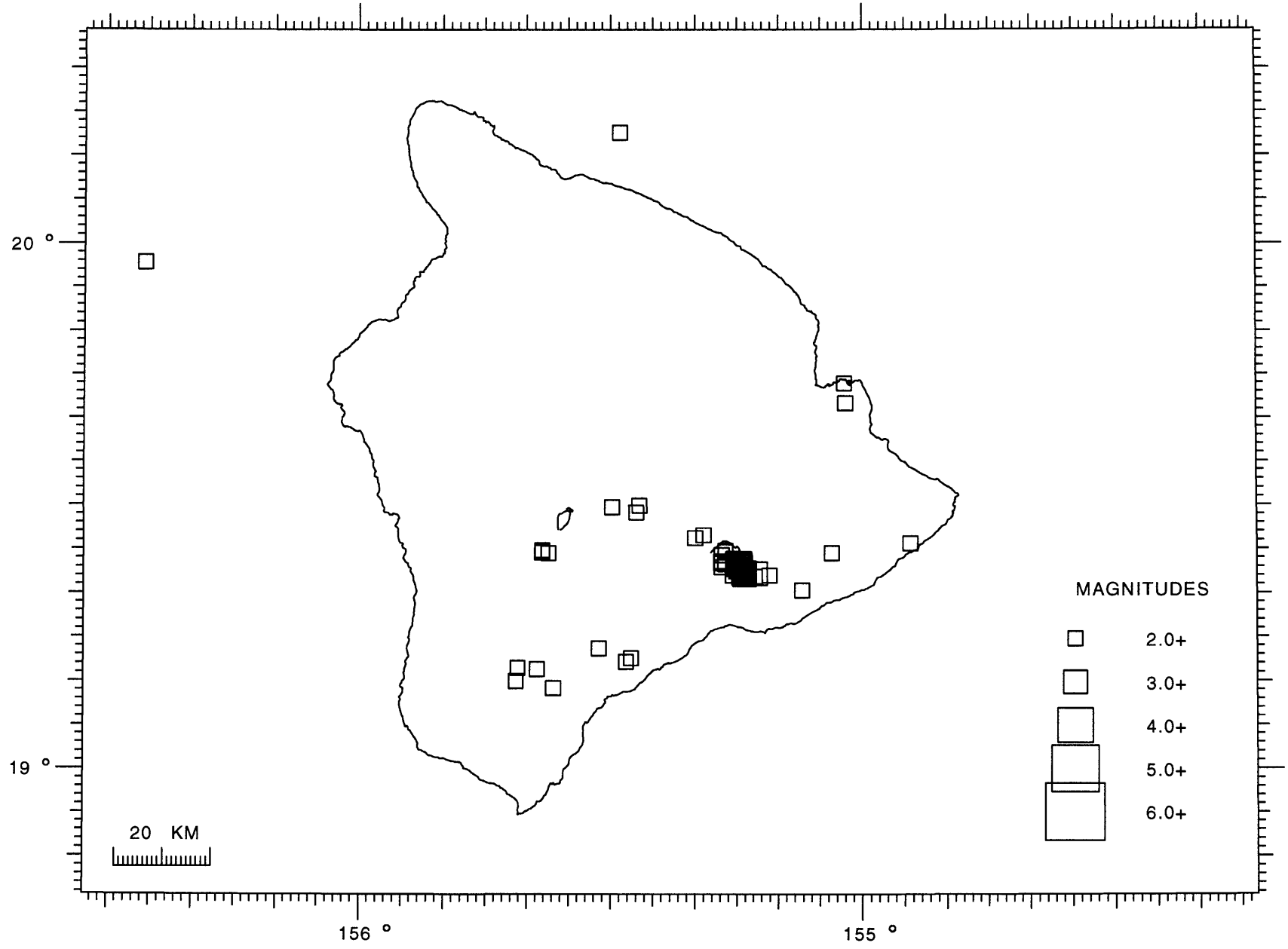

Figure 12. 1992 Earthquake Locations, Hawaii Island, intermediate (5.1–13.0 km depth), M>=2.0.

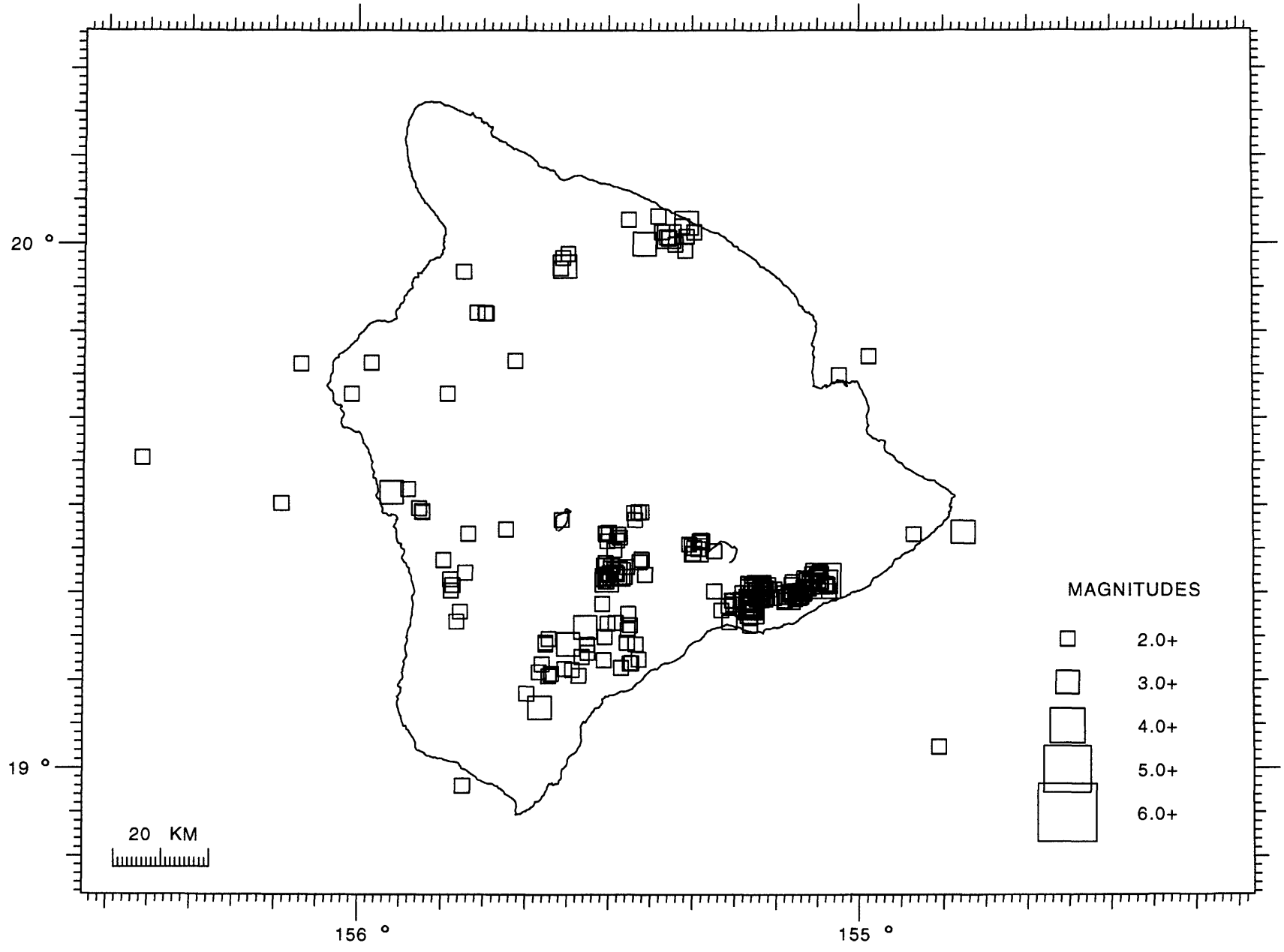

Figure 13. 1992 Earthquake Locations, Hawaii Island, deep (13.1–60.0 km depth), M>=2.0.

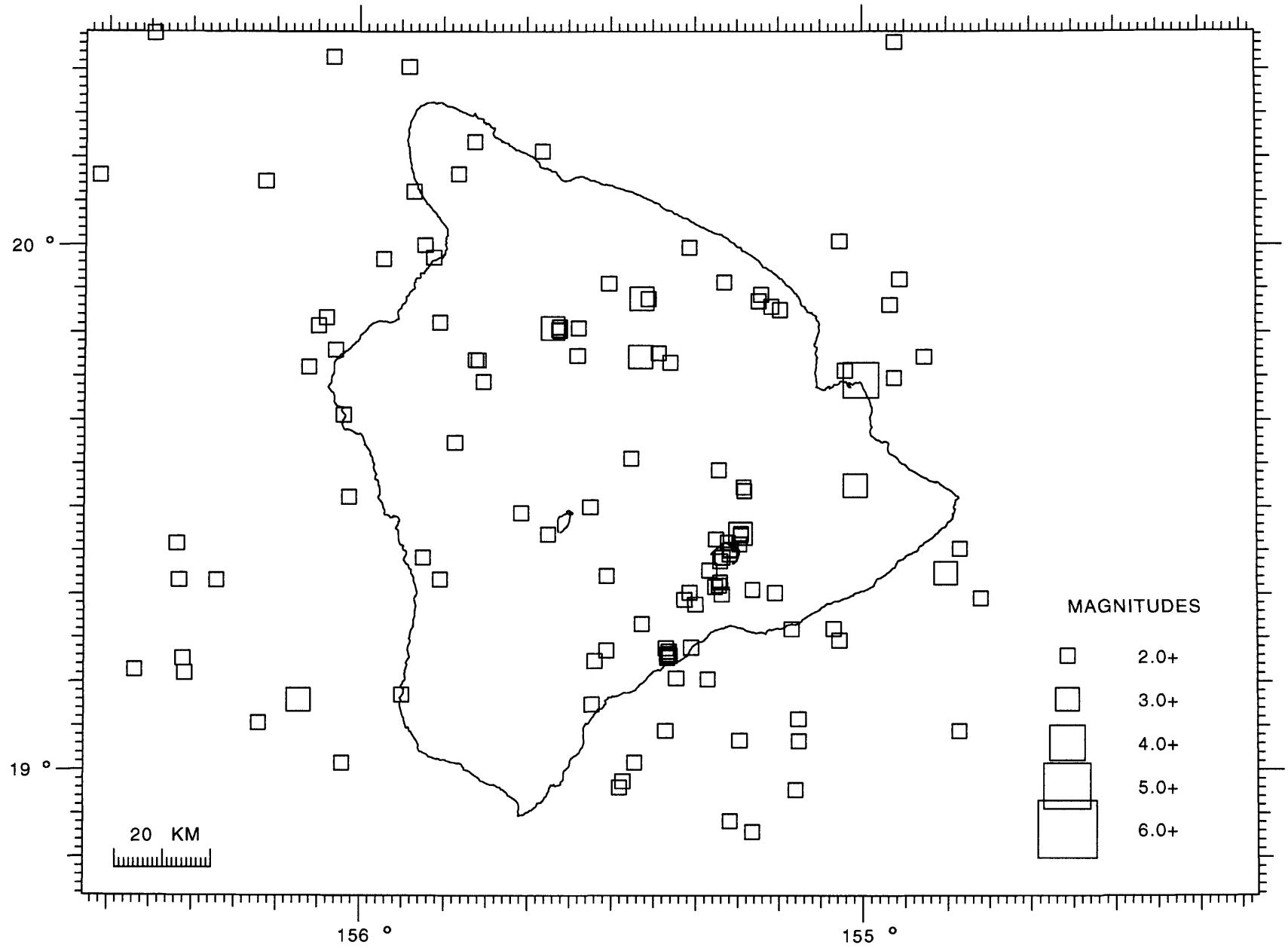

Figure 14. 1992 Earthquake Locations, Kilauea Summit, shallow (0–5.0 km depth), M>=1.0.

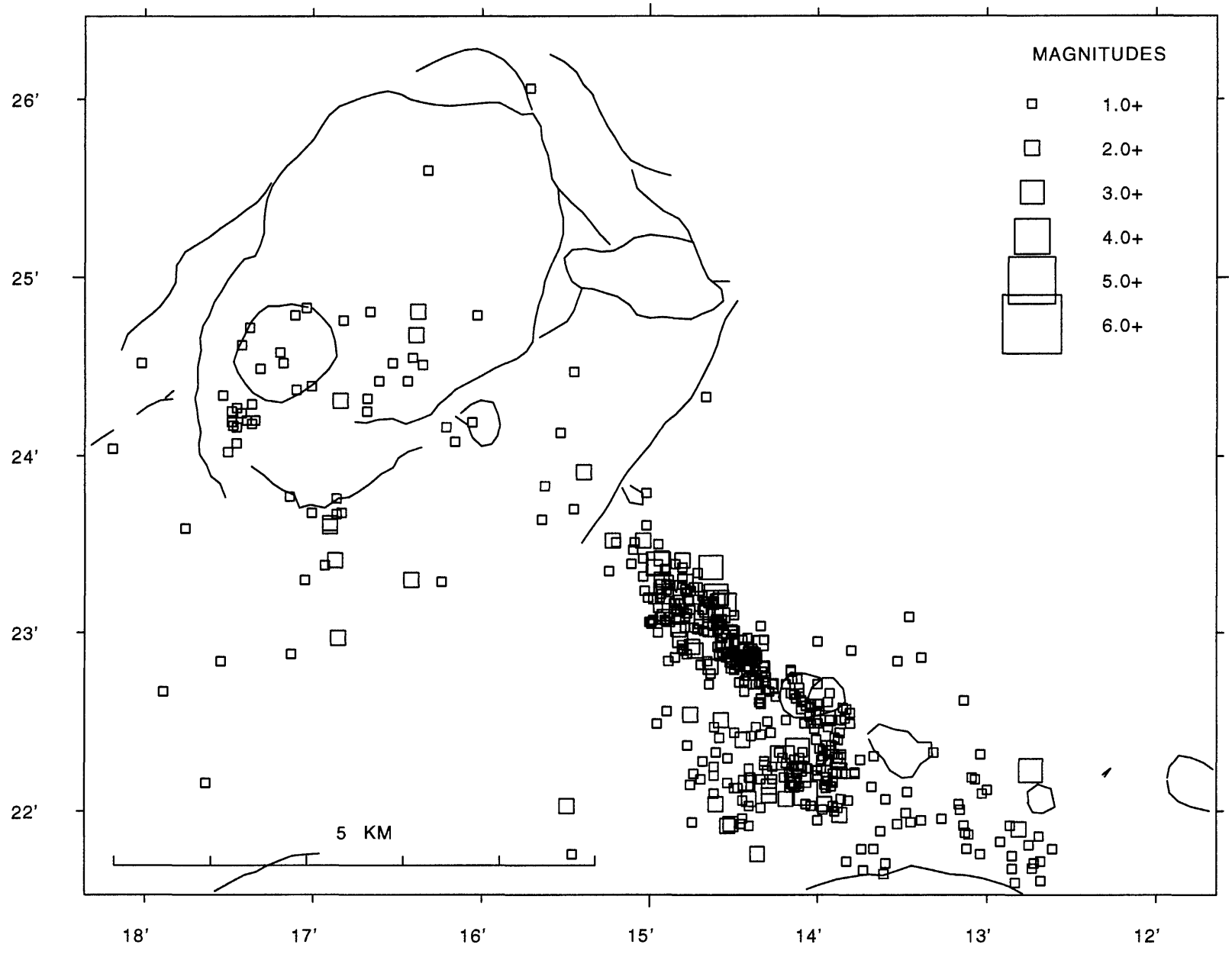

Figure 15. 1992 Earthquake Llocations, Kilauea Summit, intermediate (5.1–13.0 km depth), M>=1.0.

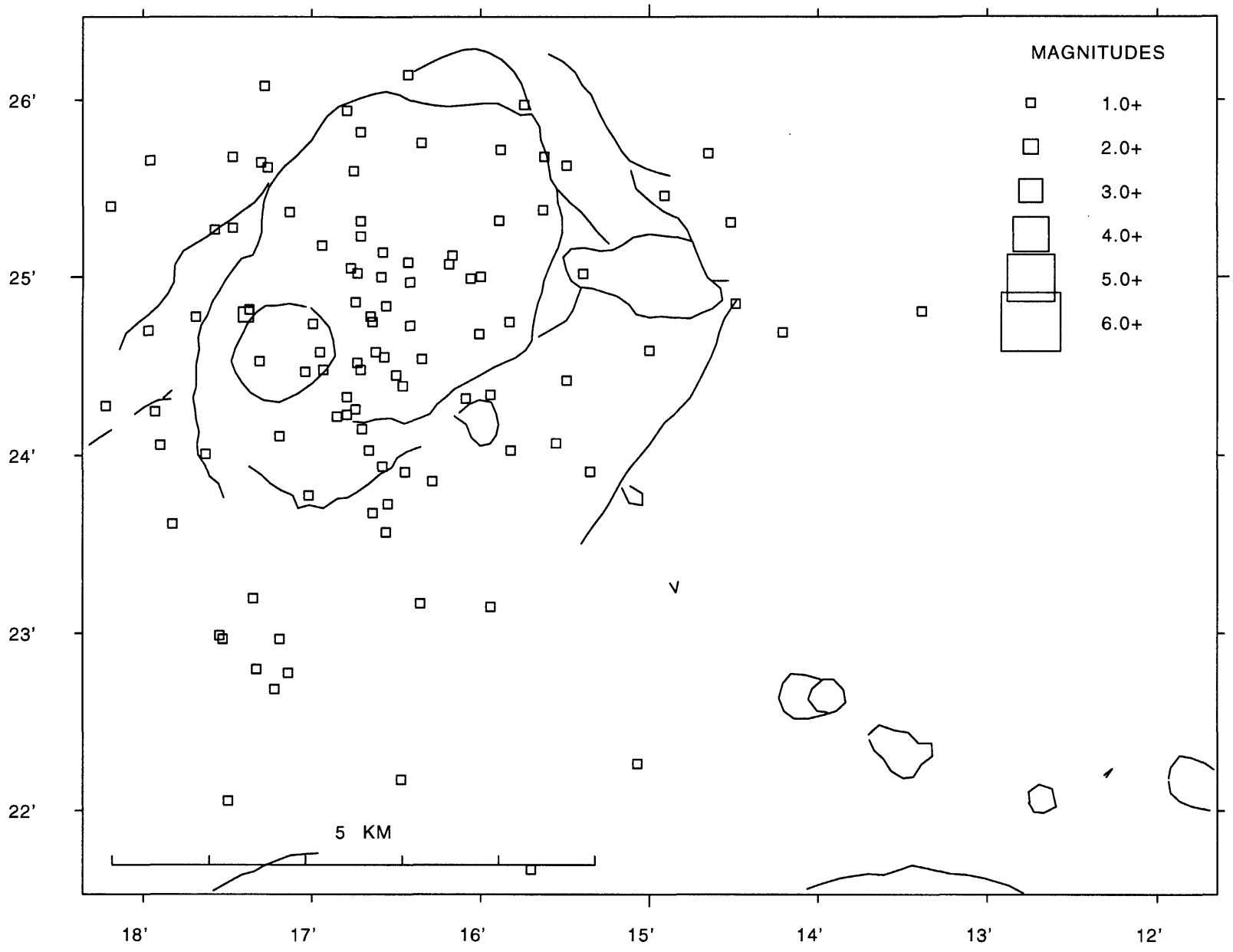

Figure 16. 1992 Earthquake Locations, Kilauea Summit, deep (13.1–60.0 km depth), M>=1.0.

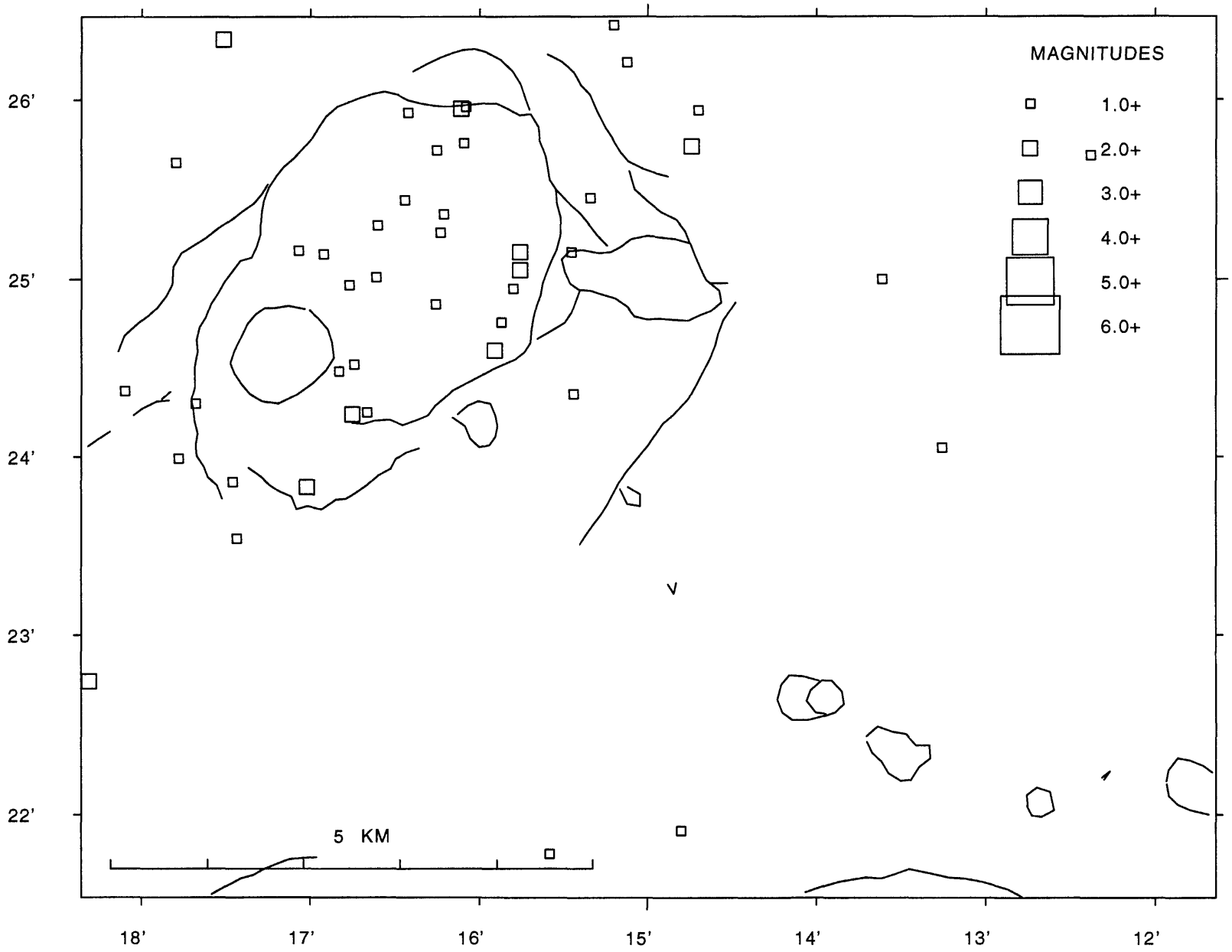

Figure 17. 1992 Earthquake Locations, Kilauea South Flank, shallow (0–5.0 km depth), M>=2.0.

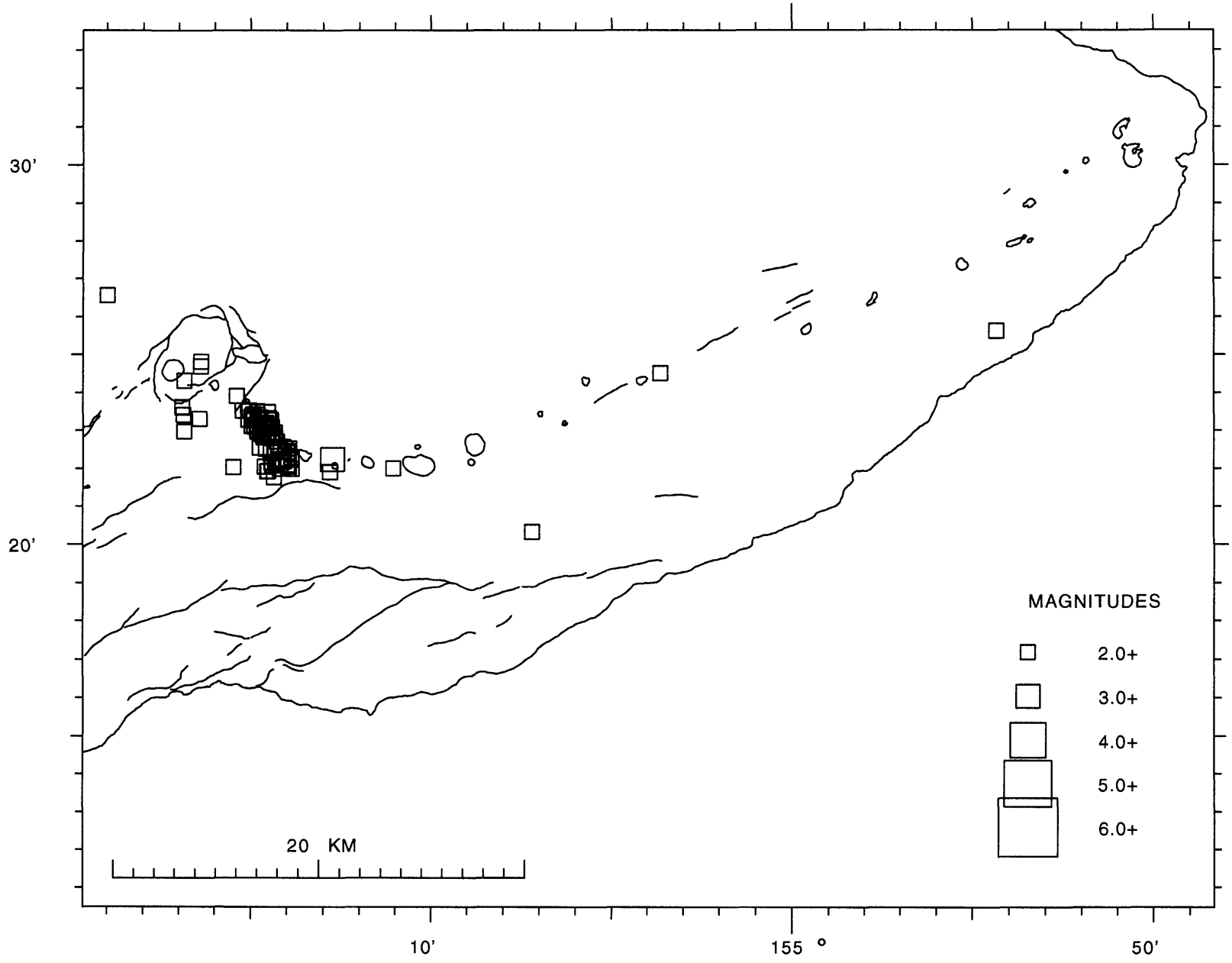

Figure 18. 1992 Earthquake Locations, Kilauea South Flank, intermediate (5.1–13.0 km depth), M>=2.0.

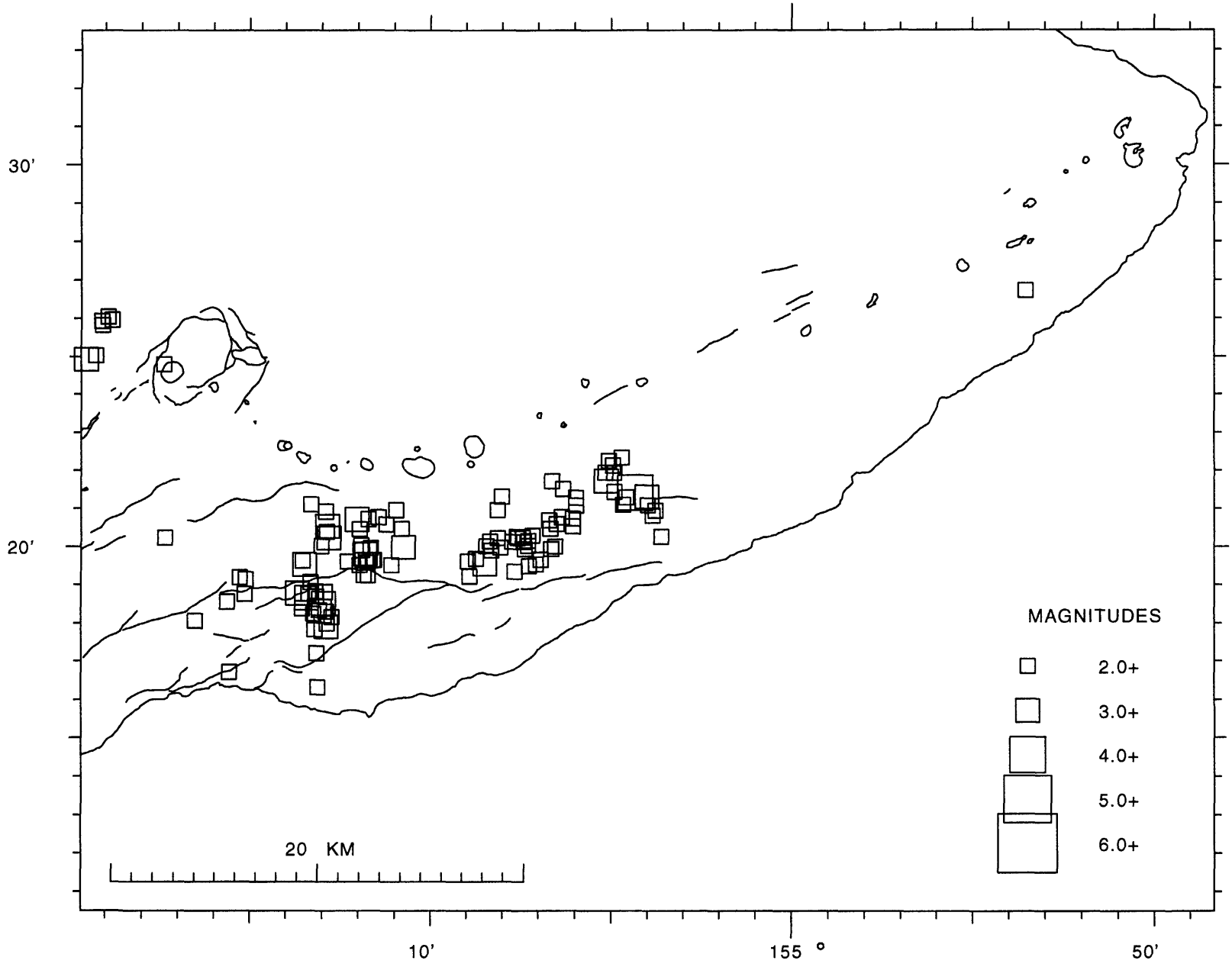

Figure 19. 1992 Earthquake Locations, Kilauea South Flank, deep (13.1–60.0 km depth), M>=2.0.

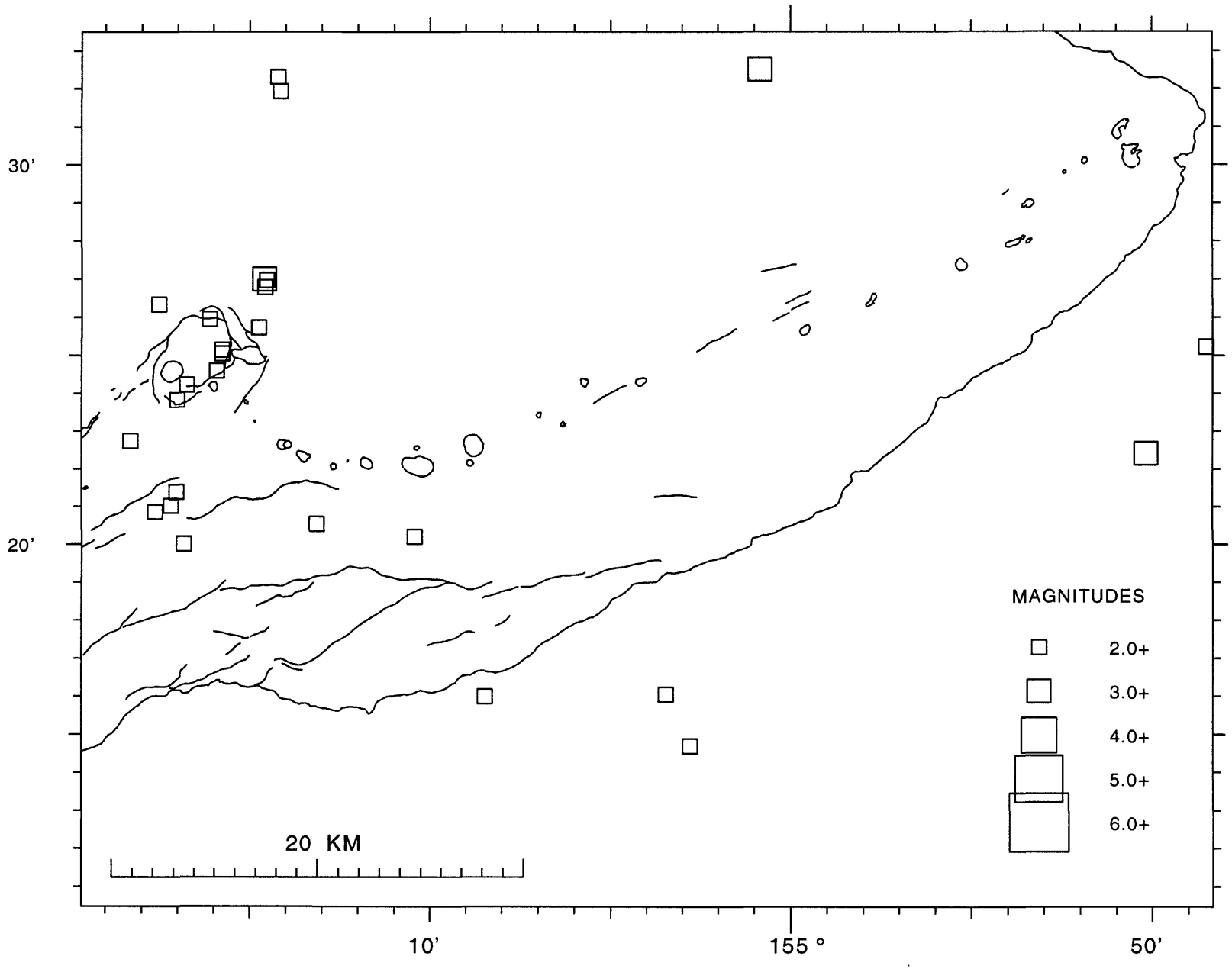

Figure 20. 1992 Earthquake Locations, Mauna Loa Summit, shallow (0–5.0 km depth), M>=2.0.

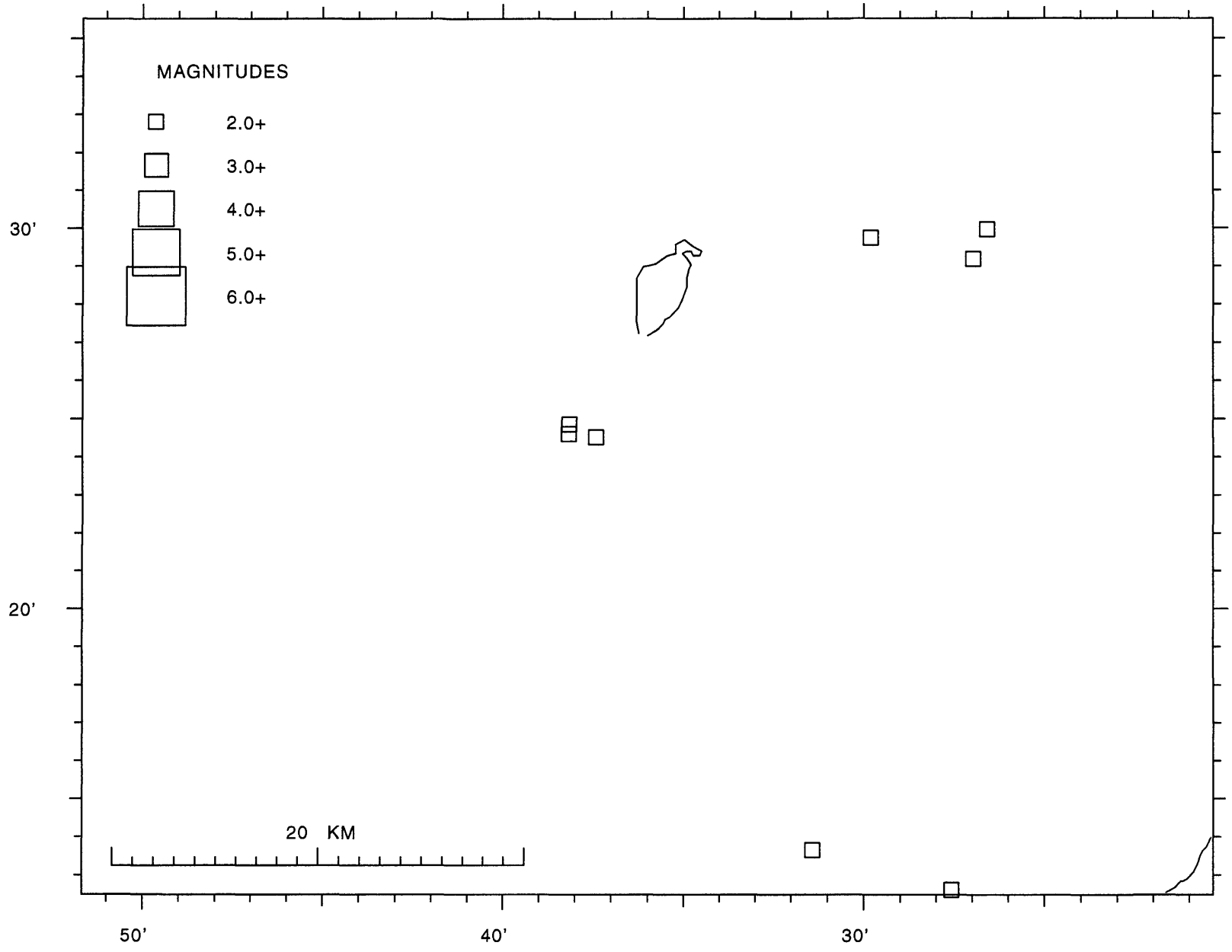

Figure 21. 1992 Earthquake Locations, Mauna Loa Summit, intermediate (5.1–13.0 km depth), M>=2.0.

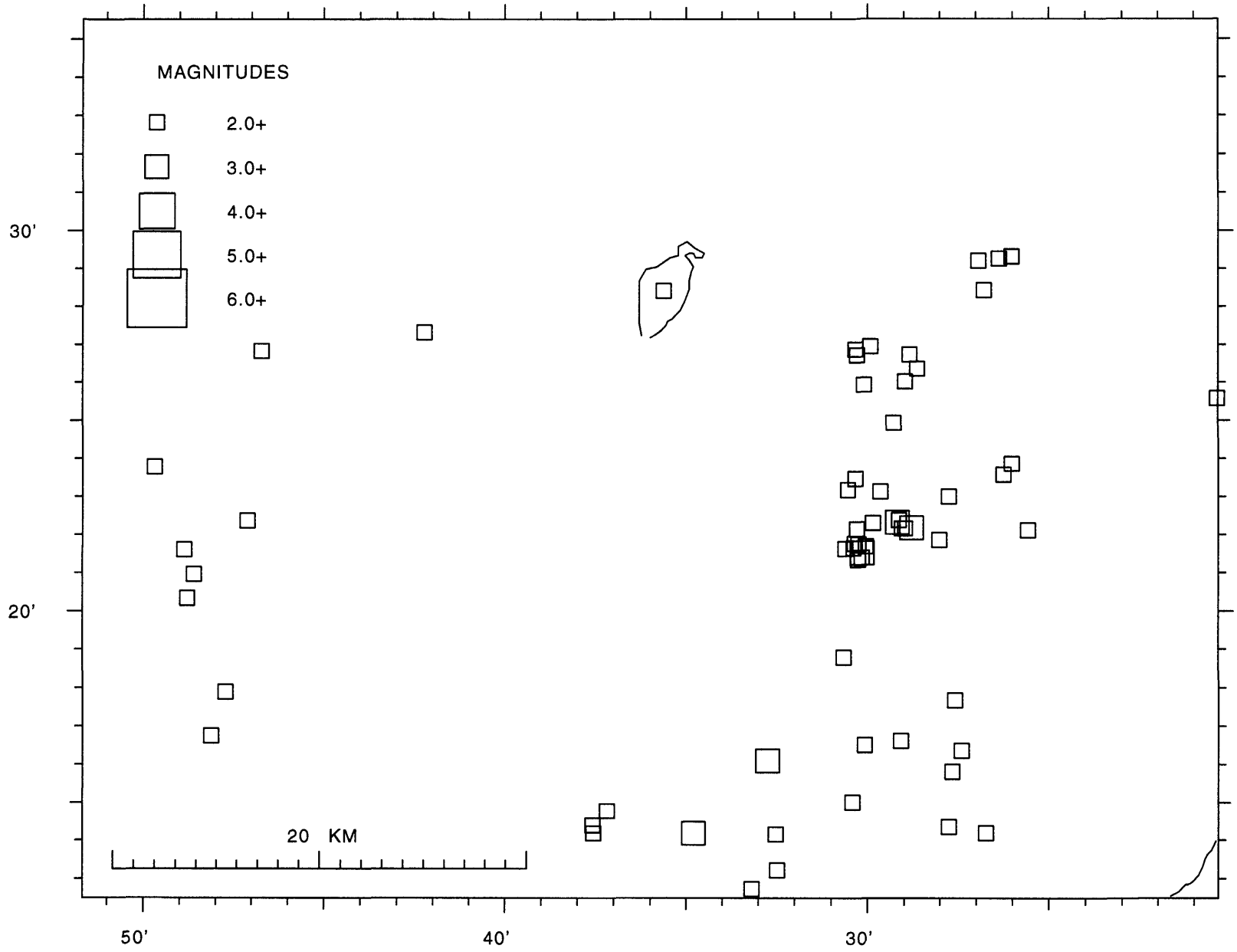

Figure 22. 1992 Earthquake Locations, Mauna Loa Summit, deep (13.1–60.0 km depth), M>=2.0.

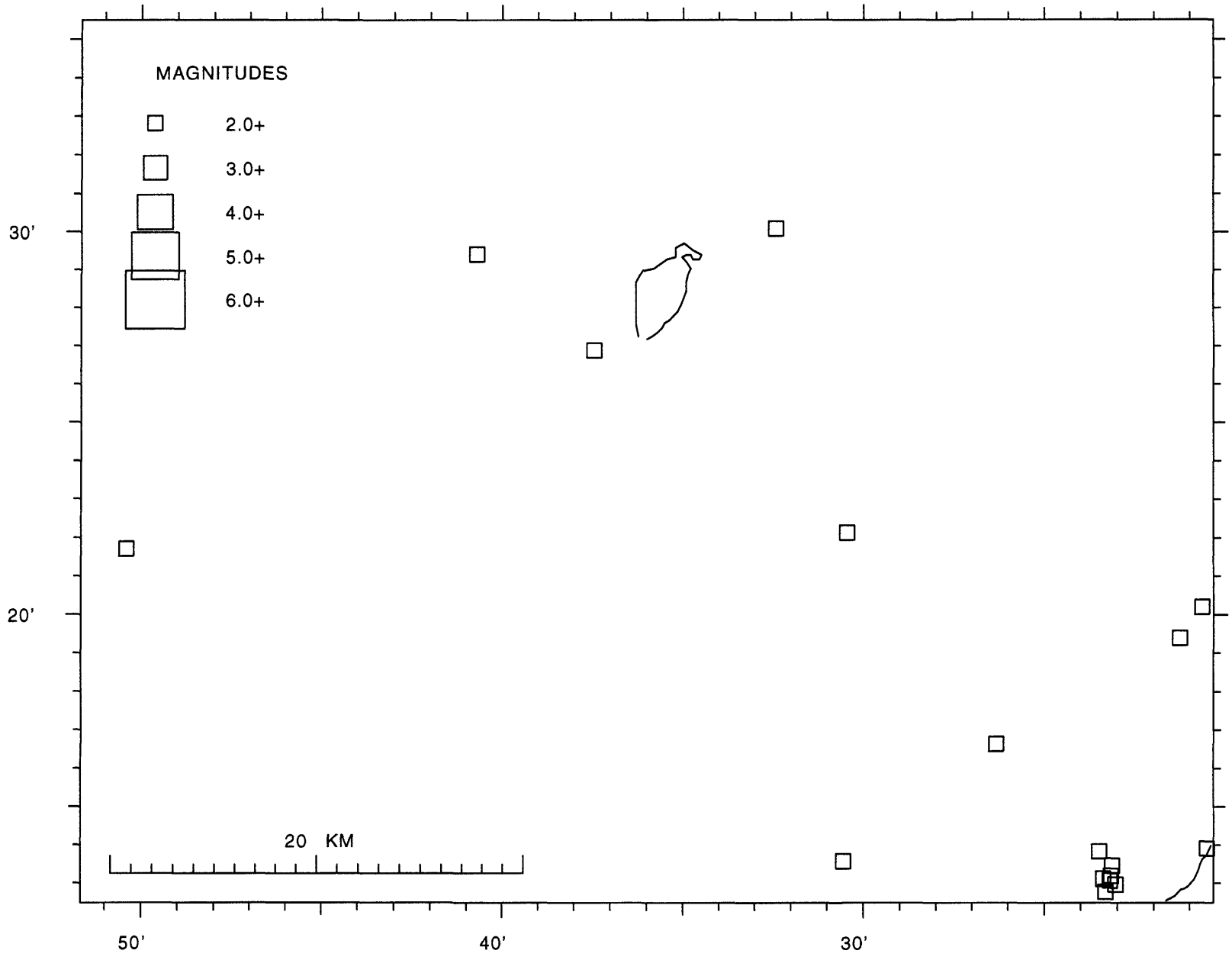

Table 5 is a chronological list of selected events M≥1.4, successfully located during 1992. For each event, the following data are presented:

ORIGIN TIME - in Hawaiian Standard Time: date, hour (HR), minute(MN), and second (SEC).

EPICENTER - in degrees and minutes of north latitude (LAT N) and west longitude (LON W) in Old Hawaiian Datum.

DEPTH - Depth of focus in kilometers.

AMP MAG - Amplitude magnitude, if determined.

DUR MAG - Duration magnitude, if determined.

NR - Number of arrivals (P and S) used in the solution.

NS - Number of S arrivals used in the solution.

GAP DEG - Largest azimuthal separation in degrees between stations.

RMS SEC - Root mean square error of time residuals, in seconds.

$$RMS = (\Sigma R_i^2/NR)^{1/2}$$

MIN DIS - Epicentral distance, in kilometers, to the third nearest station.

ERH km - Standard error of the epicenter, in kilometers.

ERZ km - Standard error of depth of focus, in kilometers.

REMK - Remarks, three-letter code for geographic location of events. See Figures 5-8 for location of mnemonic code. Additional one-letter codes have the following meanings:

- F felt
- L long-period character
- T associated with harmonic tremor
- B quarry or other blast
- * the location program had a convergence problem, which usually means that the depth may be unreliable.
- - the depth was held fixed.

Table 6 is a list of events of magnitude 3.0 or greater, selected from Table 5.

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	1	1 8	31.51	19	29.28	155	34.14	28.67	1.9	0.9	14	2	68	.10	3	1.2	1.7	0	DML L
		1	417	37.44	19	25.53	155	38.89	22.90	1.9	1.2	12	3	113	.11	6	1.1	1.5	0	DML L
		1	637	6.55	19	26.44	155	34.15	29.13	1.9	1.1	13	0	63	.13	4	1.4	5.0	0	DML L
		1	743	40.92	19	25.32	155	29.26	9.69	2.0	1.6	41	6	35	.10	6	0.3	0.6	0	KAO
		1	841	47.85	19	24.37	155	26.53	9.94	1.6	1.3	33	3	36	.10	3	0.4	0.7	0	KAO
		1	918	48.06	19	24.16	155	16.21	1.35	2.0	1.5	16	5	118	.08	1	0.2	0.3	0	SEC
		1	921	36.25	19	24.08	155	16.16	1.53	2.0	1.4	15	5	114	.13	1	0.3	0.3	0	SEC
		1	1149	58.66	19	24.60	155	15.91	46.74	2.4	1.6	34	4	85	.11	2	1.1	1.1	0	DEP L
		1	1957	39.65	19	37.65	155	16.64	41.52		1.1	28	14	217	.10	19	1.2	0.8	0	KEA
		1	2247	14.80	19	19.69	155	7.13	6.79	1.7	1.5	37	6	112	.10	5	0.4	0.8	0	SF4
		1	2257	7.69	19	19.76	155	7.11	7.14	1.7	1.5	33	6	111	.08	5	0.4	0.8	0	SF4
		2	226	51.39	19	23.47	155	15.10	3.16	1.7	1.3	17	4	98	.10	2	0.3	0.4	0	SEC
		2	717	40.16	19	24.24	155	16.75	16.15	2.7	2.7	57	10	36	.12	1	0.4	0.3	0	DEP F
		2	821	49.94	19	23.50	155	14.95	3.09	1.8	1.6	14	3	99	.06	2	0.3	0.6	0	SEC
		2	2049	34.15	19	44.41	155	45.27	20.67	2.1	1.9	36	3	159	.12	11	1.1	2.0	0	HUA
		3	5 5	25.48	19	21.10	155	4.67	7.12	2.1	2.1	46	5	94	.11	4	0.4	0.5	0	SF5
		3	625	17.14	19	19.68	155	12.44	6.74		1.2	33	5	83	.08	5	0.4	0.7	0	SF2
		3	849	30.21	19	20.15	155	7.28	7.18	2.1	2.2	49	6	100	.13	5	0.4	0.7	0	SF4
		3	2117	21.73	19	28.28	155	32.86	11.81	2.2	1.2	18	3	56	.10	4	0.7	1.4	0	MLO L
		4	023	59.95	19	22.86	155	14.45	3.71	2.4	1.4	39	8	50	.10	2	0.3	0.4	0	SEC
		4	418	53.63	19	23.54	155	50.31	14.24		1.3	24	2	128	.11	14	0.6	0.5	0	KON
		4	633	26.79	19	56.33	155	28.75	28.65	1.0	1.2	19	2	236	.09	15	1.6	1.0	0	KEA
		4	758	55.19	19	27.58	155	36.13	20.88		1.1	14	0	77	.10	1	0.9	2.0	0	DML L
		4	1822	6.36	19	24.90	155	35.92	11.12	1.8	1.1	14	1	115	.12	4	0.7	1.3	0	MLO L
		4	1823	5.28	19	22.89	155	14.57	3.50	1.8	1.5	23	6	74	.09	3	0.3	0.3	0	SEC
		4	1831	18.98	19	22.87	155	14.59	3.23	1.8	1.4	23	7	79	.07	2	0.3	0.3	0	SEC
		4	19 2	38.92	19	24.28	155	31.89	20.21	1.8	1.0	12	0	92	.12	2	1.1	3.2	0	DML L
		5	0 2	10.37	19	35.46	156	25.79	5.98	2.6	2.1	30	2	287	.15	69	5.1	5.3	0	DIS
		5	350	50.74	19	12.78	155	15.63	45.85	2.1	1.6	30	0	196	.09	9	1.8	3.9	0	DEP L
		5	431	9.39	19	18.45	155	13.39	7.59	1.6	1.5	44	5	81	.12	3	0.4	0.6	0	SF2
		5	447	46.09	19	27.24	155	35.29	24.21	1.9	1.3	17	3	60	.13	2	1.1	1.5	0	DML L
		5	525	12.92	19	13.39	154	41.09	16.12		1.4	19	4	306	.19	35	4.9	17.7	0	DIS -
		5	534	31.60	19	26.61	155	32.79	25.17	1.9	1.2	15	1	56	.09	3	0.9	2.1	0	DML L
		5	626	15.93	19	29.09	154	53.46	2.36	1.9	1.7	29	1	102	.19	5	0.9	2.3	0	SLE
		5	956	9.59	19	26.86	155	34.26	7.46	2.1	1.2	19	2	56	.14	3	0.6	1.0	0	MLO L
		5	1530	33.84	19	26.68	155	36.18	35.26	2.3	1.3	20	5	78	.11	1	0.9	1.6	0	DML L
		5	1940	25.59	19	22.38	155	48.87	11.25	2.3	1.6	33	4	113	.16	13	0.6	0.6	0	KON
		5	1941	4.44	19	22.28	155	30.08	9.68		1.2	21	5	46	.06	4	0.3	0.8	0	KAO
		5	2228	51.68	19	25.38	155	2.18	4.36		1.1	15	3	110	.09	4	0.6	1.3	0	SME
		6	136	52.54	19	26.71	155	35.24	36.04	2.3	1.3	21	3	70	.10	2	1.0	1.6	0	DML L
		6	1017	49.43	19	22.42	155	30.04	10.24		1.2	21	4	52	.05	4	0.4	0.7	0	KAO
		6	1349	10.09	19	26.76	155	35.76	36.02	2.3	1.3	22	6	74	.10	1	0.8	1.4	0	DML L
		6	1513	18.92	19	52.26	156	12.22	6.74		1.6	18	4	323	.11	43	2.3	2.4	0	HUA
		6	1524	19.56	19	21.32	155	29.94	10.27	1.7	1.3	29	5	45	.09	5	0.4	0.8	0	KAO
		6	1857	14.59	19	58.82	155	21.08	13.17	0.9	1.5	12	3	244	.10	10	1.3	0.4	0	KEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	7	056	44.70	19	20.77	155	6.10	8.99	1.7	1.3	24	5	102	.08	5	0.5	0.9	0	SF4
		7	2 3	50.17	19	19.15	155	13.61	7.58	1.9	1.6	33	5	80	.09	4	0.4	0.6	0	SF2
		7	233	26.39	19	23.91	155	15.39	2.92	2.6	1.5	36	9	98	.09	2	0.3	0.3	0	SEC
		7	239	37.62	19	11.18	155	37.27	9.20		1.4	20	2	189	.13	7	0.9	1.2	0	LSW
		7	1333	47.49	19	26.68	155	35.13	35.49	2.3	1.3	20	5	139	.10	3	1.0	1.4	0	DML L
		7	1633	23.84	19	40.60	156	8.98	13.55		1.1	12	2	317	.13	33	4.4	1.7	0	HUA
		7	1810	46.70	19	54.30	155	16.21	12.85	0.8	1.5	13	0	239	.05	8	3.2	1.4	0	KEA
		7	1841	10.42	19	25.15	155	22.37	11.64	2.1	1.5	39	11	54	.07	5	0.3	0.6	0	KAO
		7	1848	21.79	19	0.26	155	27.00	45.26		1.5	26	0	267	.08	17	4.3	4.8	0	DLS
		7	1932	20.51	19	46.34	156	6.86	7.61	2.8	2.4	36	4	263	.11	47	1.3	0.8	0	HUA
		7	2024	58.42	19	21.12	155	4.62	7.97	0.9	1.4	21	3	93	.07	4	0.6	1.0	0	SF5
		7	2211	5.08	19	27.48	155	14.11	13.06	2.0	1.1	8	2	287	.09	7	3.4	2.2	0	DEP L
		8	336	39.96	18	51.29	155	12.44	10.82		1.7	33	2	284	.18	47	2.4	2.6	0	LOI
		8	1439	6.64	19	16.47	155	25.38	7.08		1.0	18	4	67	.09	5	0.4	1.1	0	LSW
		8	1716	16.35	19	11.30	155	27.18	7.68		1.2	22	4	134	.17	4	0.8	1.4	0	LSW
		8	1848	20.47	19	19.99	155	10.61	6.20	1.9	1.6	39	6	87	.12	4	0.4	0.9	0	SF3
		8	2348	55.91	20	0.27	155	22.17	12.85		1.5	13	4	326	.07	13	2.9	0.8	0	KEA
		9	043	56.86	19	31.74	155	52.33	7.28		1.2	15	4	211	.12	7	0.9	1.0	0	KON
		9	645	20.47	19	23.23	155	14.78	3.11	2.3	1.6	20	6	73	.08	2	0.3	0.4	0	SEC
		9	1249	14.10	19	16.56	155	25.31	7.77		0.9	13	3	68	.08	5	0.5	1.3	0	LSW
		9	1819	30.62	19	22.69	155	54.07	13.87	2.2	1.5	13	2	254	.08	13	1.6	0.6	0	KON
		9	1951	51.49	19	23.10	155	14.71	3.23	2.0	1.5	23	7	70	.07	2	0.3	0.3	0	SEC
		9	2241	11.17	19	24.31	155	2.90	3.78	2.1	1.6	24	2	103	.09	2	0.5	0.6	0	SME
		10	039	43.45	19	20.58	155	11.23	9.41	2.4	2.2	46	9	75	.09	4	0.4	0.5	0	SF3
		10	721	38.41	19	15.31	155	27.04	10.50	1.7	1.5	21	3	117	.08	5	0.5	0.9	0	LSW
		10	13 6	23.10	19	20.56	155	13.47	7.28	1.5	1.4	35	2	60	.11	4	0.4	0.7	0	SF2
		10	1342	47.42	19	22.03	155	30.36	9.34		1.2	25	2	47	.06	5	0.4	0.9	0	KAO
		10	1343	37.12	19	22.14	155	30.29	9.62	2.3	2.0	41	4	44	.09	5	0.3	0.7	0	KAO
		11	956	56.21	20	2.37	155	20.69	8.04	3.3	3.6	54	7	215	.12	31	0.7	0.7	0	KEA F
		11	1216	49.20	19	18.84	155	19.99	31.09	2.4	1.8	49	6	95	.11	3	0.6	0.8	0	DEP
		11	1920	18.77	19	47.63	156	11.29	13.03		1.6	26	3	258	.11	38	1.0	1.2	0	HUA
		11	2029	26.81	19	21.38	155	7.94	8.62	1.9	1.8	47	5	74	.09	4	0.3	0.4	0	SF4
		11	2043	4.45	19	21.08	155	7.95	8.55		1.4	13	0	98	.04	4	0.8	1.4	0	SF4
		11	2235	7.55	19	23.24	155	15.03	3.18	1.9	1.4	23	7	72	.08	2	0.3	0.3	0	SEC
		12	536	47.45	19	24.47	155	15.45	4.94	1.9	1.1	17	1	132	.13	2	0.6	0.7	0	SEC L
		12	759	54.76	19	9.18	155	36.82	3.20	2.2	1.9	33	2	109	.13	11	0.5	2.6	0	LSW
		13	332	36.72	19	36.99	156	28.46	28.17		1.7	21	0	318	.11	75	12.1	6.6	0	DIS -
		13	336	30.23	19	21.75	155	12.85	2.68	1.7	1.5	18	4	87	.06	2	0.4	0.4	0	SER
		13	512	57.16	19	20.77	155	6.36	8.32	2.2	2.0	37	5	99	.07	5	0.4	0.5	0	SF4
		13	1427	52.26	19	11.28	155	40.58	12.33	2.0	1.6	24	3	117	.11	9	0.5	0.6	0	LSW
		13	1624	6.64	19	21.96	155	13.27	3.00	1.7	1.3	18	4	95	.04	1	0.4	0.3	0	SER
		13	17 6	48.69	19	19.60	155	11.64	7.04	1.6	1.3	34	4	92	.09	6	0.4	0.8	0	SF3
		13	1755	28.44	19	20.60	155	7.07	7.24		1.3	20	4	95	.11	5	0.5	1.0	0	SF4
		13	1841	24.51	19	22.58	155	10.73	2.44	1.5	1.2	13	3	134	.10	2	1.0	0.4	0	SER
		13	21 8	54.63	19	17.99	155	12.86	10.15	2.9	2.7	53	8	137	.12	9	0.4	0.6	0	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	13	2120	45.47	19	17.90	155	12.88	10.37	3.1	3.1	58	12	144	.11	9	0.3	0.4	0	SF2
		13	2159	11.97	19	24.42	155	15.49	10.78	1.9	0.9	16	2	129	.16	2	1.3	1.2	0	INT L
		13	2224	28.11	19	17.07	155	12.92	7.97	2.1	1.8	48	7	156	.11	1	0.5	0.6	0	SF2
		13	2237	5.60	19	17.48	155	12.88	6.93	1.6	1.3	35	5	140	.10	1	0.4	0.6	0	SF2
		13	2253	0.19	19	18.51	155	12.95	9.89	3.1	3.3	57	9	96	.12	3	0.3	0.3	0	SF2
		13	23 0	7.84	19	17.67	155	13.00	6.72	1.6	1.3	35	4	122	.09	1	0.4	0.7	0	SF2
		14	027	34.51	19	18.34	155	13.08	9.20	2.3	1.9	47	5	137	.12	8	0.5	0.6	0	SF2
		14	339	0.74	19	23.10	155	14.57	3.56	2.7	2.0	48	7	47	.11	3	0.3	0.3	0	SEC
		14	610	29.39	19	17.84	155	13.07	5.37	1.6	1.2	30	4	110	.10	2	0.4	0.9	0	SF2
		14	17 4	40.20	20	3.40	155	34.94	15.01		1.5	15	0	221	.12	22	7.7	10.7	0	KOH -
		15	217	2.11	19	20.01	155	6.59	7.62		1.5	24	4	115	.09	5	0.4	0.9	0	SF4
		15	957	7.86	19	20.53	155	12.84	9.27	3.1	3.3	44	8	66	.10	4	0.4	0.6	0	SF2
		15	1248	59.03	19	22.53	155	14.05	3.42	1.8	1.6	14	4	91	.04	2	0.4	0.3	0	SEC
		15	1438	41.11	19	19.16	155	13.30	7.52		1.3	21	2	76	.08	4	0.5	1.1	0	SF2
		15	1646	6.38	19	4.68	155	23.88	33.77	2.0	1.9	42	6	198	.10	11	0.7	0.9	0	LOI
		16	0 7	51.63	18	43.09	155	12.06	7.54		1.5	11	1	333	.06	56	4.1	1.4	0	LOI
		16	132	9.07	19	21.86	155	12.69	2.84		1.1	12	3	112	.05	2	0.8	0.6	0	SER
		16	233	11.00	19	20.12	155	49.15	13.16		1.3	18	2	160	.11	9	0.8	0.6	0	KON
		16	1019	31.95	19	17.34	155	28.25	11.05	1.7	1.3	26	4	50	.10	5	0.4	1.0	0	LSW
		16	1542	21.46	19	23.31	155	14.81	3.15	1.7	1.2	15	5	105	.04	3	0.3	0.5	0	SEC
		16	1648	36.75	19	25.21	155	19.49	4.87	1.8	1.1	20	4	122	.10	3	0.5	0.9	0	KAO
		16	1722	42.46	19	25.13	155	19.59	4.75	2.1	1.2	21	3	117	.09	3	0.4	0.9	0	KAO
		16	1726	40.91	19	11.67	155	39.43	7.84		1.5	26	3	107	.17	7	0.9	1.4	0	LSW
		16	18 6	59.20	19	19.67	155	11.53	7.25	1.6	1.4	30	4	91	.10	5	0.4	0.9	0	SF3
		16	19 4	8.32	19	25.34	155	19.65	7.39	1.9	0.8	24	6	111	.09	3	0.4	0.7	0	KAO
		16	1917	23.88	19	25.69	155	19.73	3.36	1.8	0.9	21	5	79	.12	4	0.3	0.6	0	KAO
		17	245	58.60	20	1.64	155	31.41	13.95	1.1	1.5	32	5	193	.09	23	0.8	0.5	0	KEA
		17	248	35.14	19	20.21	155	11.90	8.08	1.6	1.4	34	5	78	.08	5	0.4	0.6	0	SF3
		17	346	1.89	19	32.96	155	36.33	11.08	1.8	1.1	20	4	124	.17	3	0.7	0.9	0	MLO
		17	548	9.91	19	25.67	155	19.83	2.99	1.9	1.0	25	6	77	.12	4	0.3	0.6	0	KAO
		17	553	16.67	19	25.69	155	19.98	2.89	1.1	1.0	12	3	116	.08	4	0.3	0.7	0	KAO
		17	947	13.49	19	25.40	155	18.19	11.44	2.1	1.2	12	1	137	.08	1	1.0	1.3	0	INT L
		17	1227	21.30	19	4.06	155	23.33	37.44		1.6	33	2	205	.08	13	1.2	1.8	0	LOI
		17	1326	55.09	19	23.68	155	16.83	2.82	2.0	1.2	24	6	51	.08	1	0.3	0.2	0	SSC
		17	23 0	36.55	19	21.67	155	15.70	9.49	2.4	1.4	20	4	132	.12	1	0.7	1.1	0	SF1 L
		18	133	19.69	19	25.22	155	19.78	7.31	1.9	1.3	36	7	85	.12	3	0.4	0.7	0	KAO
		18	257	17.22	19	20.60	155	6.78	4.52	1.7	1.6	40	5	99	.17	6	0.5	3.3	0	SSF
		18	1821	6.43	19	22.89	155	14.38	3.56	1.6	1.3	19	5	99	.07	2	0.3	0.4	0	SEC
		18	19 2	10.97	19	22.86	155	14.43	3.43	2.6	1.7	41	6	48	.10	2	0.3	0.3	0	SEC
		18	21 9	52.85	19	19.96	155	11.65	8.79	2.3	2.1	50	3	85	.10	5	0.4	0.5	0	SF3
		18	2119	26.00	19	23.25	155	14.95	3.20	1.9	1.3	23	8	81	.09	2	0.3	0.3	0	SEC
		19	034	6.26	18	58.36	155	28.91	36.86		1.6	42	4	226	.09	19	1.1	1.2	0	DLS
		19	045	37.10	19	24.99	155	16.06	12.66	2.1	1.3	25	7	154	.09	2	0.9	0.6	0	INT L
		19	5 7	52.24	19	20.11	155	7.73	7.64	1.8	1.7	37	5	93	.09	5	0.4	0.7	0	SF4
		19	1052	38.81	19	22.84	155	14.66	2.99	2.1	1.5	19	4	89	.09	2	0.3	0.4	0	SEC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	19	1125	41.31	19	22.97	155	16.85	1.13	2.4	1.7	33	6	41	.13	1	0.2	0.2	0	SSC
		19	1839	44.87	18	58.04	155	29.02	36.14	2.6	2.3	48	13	225	.10	19	0.8	1.2	0	DLS
		19	2243	38.92	19	26.87	155	15.71	11.85	2.1	1.4	26	9	198	.12	4	1.0	0.7	0	INT L
		20	045	24.16	19	23.37	155	14.64	3.38	3.3	3.6	47	2	45	.13	2	0.3	0.5	0	SEC
		20	046	28.56	19	22.96	155	14.82	3.48	2.4	3.0	17	1	116	.11	2	0.6	0.5	0	SEC
		20	5 7	12.19	19	13.42	155	24.86	32.73	1.9	1.7	37	8	145	.11	2	0.8	1.0	0	DEP
		20	620	16.62	19	28.84	155	13.01	4.77	2.4	1.5	9	2	302	.13	10	1.5	15.5	0	GLN L-
		20	630	58.89	19	24.75	155	16.64	11.08	2.1	1.1	12	2	144	.11	1	1.8	1.5	0	INT L
		20	644	36.66	19	24.69	155	14.21	8.45	2.3	1.4	9	2	278	.11	4	2.7	1.7	0	INT L
		20	647	10.95	19	25.63	155	15.49	8.24	2.1	1.5	14	4	199	.12	3	1.7	1.0	0	INT L
		20	7 6	49.78	19	25.72	155	15.88	10.93	2.1	1.2	8	2	248	.10	2	2.8	1.5	0	INT L
		20	744	52.06	19	24.86	155	16.26	13.61	2.0	1.0	10	2	228	.05	1	2.4	1.2	0	DEP L
		20	843	8.97	19	19.75	155	7.93	6.80		1.4	28	5	93	.11	4	0.4	0.8	0	SF4
		20	1218	35.20	19	15.39	155	27.33	10.68	1.7	1.5	19	2	79	.09	5	0.4	0.9	0	LSW
		20	2042	1.35	19	20.29	155	7.16	5.74	2.1	2.0	51	4	100	.11	6	0.4	0.9	0	SF4
		20	2348	19.38	19	13.35	155	29.87	10.42	1.8	1.6	35	3	125	.12	3	0.4	0.7	0	LSW
		21	040	38.93	20	0.86	155	20.72	8.33	2.9	2.6	45	5	210	.12	29	0.6	0.7	0	KEA
		21	148	1.61	19	50.50	155	36.93	21.27	3.9	3.8	64	14	107	.10	5	0.4	1.2	0	KEA F
		21	334	52.97	19	25.43	155	19.76	5.93	2.2	1.5	22	4	73	.07	3	0.4	0.8	0	KAO
		21	1229	18.58	19	25.02	155	16.73	12.28	2.0	0.9	15	2	153	.04	1	0.9	1.0	0	INT L
		21	15 1	34.43	19	25.26	155	16.23	13.45	1.8	0.9	15	3	228	.08	1	1.7	0.9	0	DEP L
		21	1724	1.78	19	23.73	155	16.55	8.22	1.8	1.0	17	1	82	.15	0	0.7	1.4	0	INT L
		21	1740	23.14	19	19.75	155	9.05	7.30		1.2	27	4	81	.09	5	0.5	0.8	0	SF4
		21	1824	9.29	19	24.58	155	16.95	11.84	1.9	0.9	23	4	73	.08	1	0.6	0.7	0	INT L
		21	2147	14.15	19	24.45	155	16.50	12.10	1.8	0.9	20	4	129	.06	1	0.7	0.8	0	INT L
		22	724	45.03	19	24.85	155	1.68	3.79		1.1	23	4	110	.07	4	0.4	0.8	0	SME
		22	815	10.11	19	18.30	155	14.21	4.09		1.1	18	0	96	.11	3	0.5	1.3	0	SSF
		22	11 4	35.98	19	27.30	155	29.29	9.67		1.3	22	1	48	.08	8	0.5	1.1	0	KAO
		22	1346	22.95	19	15.60	155	28.86	12.15		1.3	27	5	76	.10	2	0.5	0.9	0	LSW
		22	1559	54.48	19	24.33	155	16.79	12.95	1.5	0.9	15	2	100	.05	1	1.0	0.9	0	INT L
		22	18 5	18.02	19	55.55	155	31.45	25.73	1.0	1.4	30	5	150	.10	18	0.8	1.5	0	KEA
		22	1914	28.88	19	19.99	155	25.19	10.64	1.6	1.2	25	4	60	.10	3	0.5	0.9	0	KAO
		23	242	39.75	19	17.86	155	13.30	6.29	1.6	1.3	23	4	96	.08	2	0.4	0.9	0	SF2
		23	551	15.19	19	22.78	155	17.14	11.39	1.8	1.4	33	4	37	.10	1	0.5	0.6	0	INT
		23	845	25.32	19	21.94	155	5.08	5.51	1.7	1.4	22	2	76	.13	5	0.5	1.8	0	SF5
		23	1838	43.41	19	47.43	155	47.87	30.00		1.5	18	4	272	.07	36	1.9	2.5	0	HUA
		23	1954	4.68	19	25.69	155	24.22	9.79	2.1	1.6	35	6	49	.10	2	0.4	0.7	0	KAO
		24	241	32.39	19	21.57	155	4.98	5.68	1.7	1.7	34	6	84	.11	5	0.4	1.1	0	SF5
		24	1856	0.95	19	41.80	155	11.31	16.73		1.4	31	0	212	.15	27	1.5	16.5	0	KEA -
		24	1938	16.86	19	23.64	155	15.64	2.67	1.9	1.3	26	8	95	.11	2	0.2	0.3	0	SEC
		25	122	40.34	19	20.30	155	8.45	7.59	1.9	1.7	41	3	76	.12	4	0.4	0.7	0	SF4
		25	313	33.27	20	14.16	155	49.16	27.47		1.6	32	2	305	.15	13	2.2	0.9	0	KOH
		25	851	33.03	19	13.66	155	31.40	2.00	2.1	1.9	34	5	125	.13	3	0.5	0.7	0	LSW
		25	13 3	27.37	19	22.88	155	17.13	4.55	1.5	0.8	17	2	74	.10	1	0.4	0.6	0	SSC L
		25	1337	8.53	19	22.51	155	13.93	3.44	1.8	1.6	17	3	105	.05	3	0.4	0.6	0	SER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	25	2010	46.33	19	21.91	155	11.20	3.01	2.0	1.4	24	4	116	.07	2	0.4	0.3	0	SER
		25	2140	19.28	19	21.73	155	6.74	7.85	2.0	1.7	41	2	79	.11	5	0.4	0.7	0	SF4
		26	623	30.30	20	0.90	155	22.77	8.06	3.4	3.4	54	10	206	.12	27	0.6	0.5	0	KEA F
		26	731	58.94	19	24.41	155	3.41	3.61	2.0	1.4	25	0	94	.10	1	0.5	0.6	0	SME
		26	855	28.98	19	22.72	155	14.31	3.54	2.1	1.4	18	3	80	.05	2	0.3	0.4	0	SEC
		26	914	47.90	19	23.16	155	14.56	3.70	3.3	3.3	49	5	47	.12	3	0.3	0.4	0	SEC
		26	940	2.66	19	22.57	155	14.10	3.47	1.8	1.5	16	4	91	.06	2	0.3	0.4	0	SEC
		26	1030	16.61	19	20.35	155	11.62	8.04	2.0	1.8	40	2	78	.12	4	0.5	0.7	0	SF3
		26	1318	24.40	19	19.14	155	15.11	7.78	2.3	2.1	46	1	89	.13	4	0.4	0.6	0	SF1
		26	1319	15.61	19	18.50	155	15.05	7.05	1.5	1.2	22	3	110	.08	4	0.4	0.9	0	SF1
		26	1338	38.07	19	20.27	155	6.81	5.99	1.8	1.6	25	5	106	.08	6	0.4	1.2	0	SF4
		26	17	0 21.49	19	21.59	155	11.50	2.82	1.5	1.4	18	4	108	.04	3	0.3	0.4	0	SER
		26	1832	37.16	19	12.71	155	20.69	46.75		1.4	23	5	213	.08	7	2.3	1.0	0	DEP
		26	1913	44.38	19	9.48	155	40.70	2.56		1.4	25	6	125	.20	12	0.6	1.1	0	LSW
		27	427	39.38	20	0.80	155	23.01	8.12	2.7	2.7	53	11	205	.14	27	0.6	0.7	0	KEA
		27	659	22.70	19	21.81	155	8.98	3.27	1.6	1.1	16	2	121	.05	2	0.5	0.4	0	SER
		27	711	38.72	19	23.42	155	14.93	3.51	2.4	1.7	23	7	75	.07	3	0.3	0.4	0	SEC
		27	738	14.01	19	15.91	155	26.30	9.74	1.7	1.6	38	5	67	.12	5	0.3	0.6	0	LSW
		27	1645	59.80	19	24.37	155	30.50	10.56	2.2	1.4	34	5	38	.06	4	0.4	0.7	0	KAO
		27	1716	31.82	19	12.91	155	30.19	8.75		1.2	20	4	140	.13	4	0.6	1.0	0	LSW
		27	1751	28.41	19	22.75	155	14.31	3.30	1.3	1.2	17	5	122	.06	2	0.3	0.4	0	SEC
		27	1822	48.62	19	45.62	155	2.07	37.49	2.4	2.1	43	3	210	.12	7	1.4	1.9	0	HIL
		27	2244	6.68	19	20.16	155	7.48	7.98	1.8	1.7	31	7	96	.08	5	0.4	0.7	0	SF4
		28	0	0 42.90	19	22.20	155	10.82	2.89	2.0	1.5	22	3	92	.08	2	0.5	0.4	0	SER
		28	023	0.88	19	21.97	155	10.98	2.82	1.8	1.3	17	2	118	.05	2	0.6	0.3	0	SER
		28	117	7.27	19	18.67	155	14.91	7.91	1.6	1.3	25	3	104	.07	4	0.5	0.8	0	SF1
		28	2	1 41.97	19	21.67	155	28.23	47.48		1.6	29	4	45	.11	2	1.2	1.5	0	DML
		28	718	35.46	19	22.91	155	14.80	3.28	2.3	1.6	29	8	67	.09	2	0.3	0.3	0	SEC
		28	935	2.09	19	22.87	155	14.40	3.58		1.5	17	5	98	.04	2	0.3	0.3	0	SEC
		28	1259	20.43	19	23.15	155	14.84	3.02	2.4	2.0	26	8	66	.07	2	0.3	0.3	0	SEC
		28	13	2 55.26	19	23.00	155	14.95	3.03	2.1	1.6	22	7	64	.09	2	0.3	0.3	0	SEC
		28	13	3 22.54	19	23.14	155	14.95	2.95	1.6	1.2	15	4	108	.06	2	0.3	0.4	0	SEC
		28	13	4 36.40	19	23.09	155	14.93	3.24	2.1	1.7	19	6	83	.06	2	0.3	0.3	0	SEC
		28	16	7 54.39	19	23.83	155	15.62	2.94	2.3	1.5	21	6	104	.06	2	0.3	0.3	0	SEC
		28	19	0 54.74	19	23.32	155	15.04	3.29	2.3	1.5	31	8	75	.07	2	0.3	0.3	0	SEC
		28	1928	21.26	19	23.09	155	14.94	3.17	1.9	1.4	18	4	83	.05	2	0.3	0.3	0	SEC
		28	1948	24.68	19	23.39	155	14.95	3.32	3.5	3.7	52	11	46	.11	2	0.3	0.3	0	SEC F
		28	1952	15.00	19	22.90	155	14.73	2.89	2.4	3.3	30	9	57	.10	2	0.3	0.3	0	SEC
		28	1958	39.93	19	23.03	155	14.79	3.25	2.1	1.6	24	6	68	.06	2	0.3	0.3	0	SEC
		28	2029	5.61	19	23.08	155	14.79	3.30	1.8	1.4	25	8	67	.07	2	0.3	0.3	0	SEC
		28	2139	37.27	19	23.20	155	14.94	3.08	1.6	1.4	25	9	82	.09	2	0.3	0.3	0	SEC
		29	119	16.40	19	22.85	155	14.43	3.51	2.0	1.6	32	6	51	.07	2	0.3	0.3	0	SEC
		29	315	53.03	19	23.11	155	14.61	3.47	2.5	2.0	47	8	48	.12	3	0.3	0.3	0	SEC
		29	821	34.32	19	22.46	155	14.02	3.23		1.6	26	6	85	.06	2	0.3	0.3	0	SEC
		29	927	30.74	19	25.50	155	36.98	14.01	2.2	1.7	36	7	72	.11	3	0.4	0.4	0	DML

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	29	1120	34.34	19	22.71	155	8.71	3.22	1.6	1.2	16	2	100	.05	2	0.5	0.3	0	SER
		29	1241	17.73	19	15.24	155	25.92	10.33		1.0	14	4	152	.11	4	0.7	1.1	0	LSW
		29	1650	16.70	20	1.40	155	23.61	11.49	2.4	1.9	18	3	231	.07	16	1.6	0.6	0	KEA
		29	1656	31.78	19	19.51	155	11.08	8.60	2.5	2.3	45	7	97	.10	5	0.4	0.6	0	SF3
		29	1949	13.77	19	22.58	155	13.85	3.58	1.4	1.1	12	4	137	.06	1	0.6	0.5	0	SER
		29	2151	21.50	18	39.35	155	38.53	9.68		1.8	20	1	324	.09	36	3.3	3.2	0	DIS
		29	2331	51.26	19	23.35	155	15.24	2.93	1.7	1.2	23	6	79	.07	2	0.3	0.3	0	SEC
		30	152	50.40	19	14.87	155	29.20	9.97		1.2	20	2	105	.11	2	0.5	1.1	0	LSW
		30	820	18.47	19	22.84	155	14.49	3.36		1.5	21	5	77	.05	2	0.3	0.3	0	SEC
		30	1231	27.53	19	23.08	155	22.79	12.27	1.6	1.0	21	4	73	.09	5	0.6	1.1	0	KAO
		30	1432	59.39	19	47.22	154	58.82	6.57	2.8	1.7	15	0	308	.25	14	11.9	3.8	0	KEA B
		30	1636	25.09	19	22.84	155	17.55	2.59	1.6	0.9	7	1	118	.08	1	0.5	1.1	0	SSC L
		30	1813	52.65	19	22.80	155	14.33	3.58	2.5	1.6	35	7	53	.09	2	0.3	0.3	0	SEC
		31	058	58.10	18	52.90	155	13.27	14.39	2.1	2.1	42	3	272	.18	45	3.2	5.8	0	LOI
		31	337	17.21	19	45.96	156	9.12	4.07		1.6	13	3	303	.11	50	2.2	1.3	0	HUA
		31	1045	43.64	19	15.78	155	27.31	11.16	1.7	1.5	21	4	71	.09	5	0.4	1.1	0	LSW
		31	1056	28.07	19	25.18	155	16.94	12.81	1.8	1.0	9	2	215	.03	1	3.7	1.6	0	INT L
		31	1429	50.53	19	57.80	156	25.55	2.86	3.0	2.4	39	4	291	.12	70	4.4	2.6	0	DIS
		31	1555	49.76	19	23.46	155	30.33	10.32	2.2	1.9	35	3	41	.07	5	0.4	0.9	0	KAO
		31	1736	0.45	19	20.49	155	9.92	8.34		1.1	25	2	76	.05	3	0.5	0.9	0	SF3
		31	1821	41.01	19	25.23	155	16.71	12.30	1.8	1.0	18	3	156	.09	1	1.1	0.7	0	INT L
		31	1918	0.56	19	16.04	155	27.50	6.95	1.7	1.7	36	0	67	.12	5	0.4	1.0	0	LSW
		31	21	9 46.35	19	24.79	155	17.11	1.11	1.7	1.1	17	3	79	.08	0	0.3	0.1	0	SNC
	FEB	1	323	24.73	19	19.56	155	11.43	6.27		1.3	35	6	95	.09	5	0.4	0.9	0	SF3
		1	6	2 40.08	19	18.34	155	13.08	7.33		1.3	37	6	95	.10	3	0.4	0.7	0	SF2
		1	1026	32.27	19	21.78	155	28.83	9.39		1.5	38	4	39	.09	2	0.3	0.6	0	KAO
		1	11	5 11.68	19	18.77	155	30.46	8.25	2.0	1.5	35	0	39	.11	7	0.4	1.2	0	LSW
		1	1540	13.65	19	12.19	155	28.15	0.00	2.5	2.5	48	10	100	.16	5	0.3	0.3	0	LSW *
		1	19	2 51.45	19	13.21	155	30.46	37.47		1.5	30	2	67	.07	4	0.7	1.5	0	DLS
		2	034	32.80	19	18.06	155	16.52	8.38	2.3	2.1	53	7	123	.14	4	0.4	0.5	0	SF1
		2	229	13.47	19	19.67	155	7.56	6.67	0.9	1.5	38	4	103	.08	4	0.4	0.7	0	SF4
		2	234	37.71	19	23.26	155	14.72	3.07	1.7	1.5	22	6	69	.07	3	0.3	0.3	0	SEC
		2	8	8 28.36	19	27.31	155	42.24	7.99	2.4	1.8	36	4	94	.13	9	0.4	1.1	0	MLO
		2	948	16.76	19	17.60	155	12.69	6.32		1.3	32	6	139	.10	2	0.4	0.7	0	SF2
		2	11	5 39.89	19	20.28	155	7.73	6.48	1.9	1.8	40	4	90	.12	5	0.5	0.9	0	SF4
		2	1437	7.81	19	58.43	155	57.17	48.32	2.8	2.3	34	8	299	.11	55	1.6	1.8	0	KOH
		2	16	1 34.72	19	24.35	155	15.44	13.16	2.2	1.3	12	2	128	.08	2	1.7	0.8	0	DEP L
		3	034	23.27	19	14.78	155	37.19	8.19	2.4	2.0	42	3	85	.20	0	0.6	0.9	0	LSW
		3	449	36.22	19	19.65	155	6.94	8.58	2.6	2.6	48	8	117	.09	5	0.4	0.4	0	SF4
		3	720	9.11	19	22.36	155	47.11	10.97	2.4	1.8	24	4	149	.10	12	0.4	0.7	0	KON
		3	12	3 57.42	19	19.64	155	8.62	7.90		1.4	17	2	77	.04	4	0.5	1.1	0	SF4
		3	1321	53.10	19	13.58	155	30.54	35.82	2.6	2.2	38	5	65	.07	3	0.6	1.1	0	DLS
		3	1740	11.25	19	19.58	155	11.74	8.27	2.1	1.9	36	6	126	.10	6	0.5	0.7	0	SF3
		3	1749	26.60	19	20.41	155	6.06	7.55		1.5	22	4	146	.10	6	0.6	0.9	0	SF4
		3	21	8 3.45	19	23.41	155	16.87	2.96	2.4	1.8	33	9	40	.11	0	0.3	0.2	0	SSC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	FEB	3	23 0	29.53	19	56.03	154	55.62	42.55	2.8	2.3	54	13	245	.10	28	0.7	1.0	0	KEA	
		4	125	18.64	19	25.91	155	18.96	7.51	2.1	1.1	24	7	153	.10	3	0.7	0.9	0	INT	
		4	540	50.44	19	24.37	155	18.10	14.38	1.9	1.0	9	2	97	.10	2	2.8	0.9	0	DEP	L
		4	619	17.71	19	18.20	155	14.58	7.44		1.2	20	4	109	.08	3	0.5	0.8	0	SF1	
		4	7 2	59.11	20	0.71	155	22.77	8.70	2.8	2.4	28	3	205	.07	34	0.7	0.6	0	KEA	
		4	836	37.34	19	26.04	155	18.92	7.80	2.6	2.7	44	6	57	.12	3	0.4	0.6	0	INT	
		4	846	41.77	19	25.65	155	19.24	7.55	2.3	1.2	29	5	134	.10	3	0.6	0.7	0	KAO	
		4	848	5.87	19	25.93	155	19.10	7.47	2.9	2.2	44	8	53	.11	3	0.3	0.4	0	KAO	
		4	855	0.37	19	25.74	155	18.85	8.29	1.9	1.0	21	5	148	.08	2	0.8	0.7	0	INT	
		4	855	21.43	19	25.82	155	19.08	7.29	2.8	1.9	35	6	143	.11	3	0.4	0.6	0	KAO	
		4	12 4	57.99	19	25.96	155	18.81	7.55	2.9	1.9	39	8	125	.12	2	0.3	0.4	0	INT	
		4	1250	51.38	19	25.79	155	19.37	6.29	1.9	1.0	22	7	137	.08	3	0.6	0.9	0	KAO	
		4	16 2	24.07	19	22.87	155	14.36	3.64	2.1	1.5	21	3	86	.04	3	0.3	0.4	0	SEC	
		4	1647	47.16	19	22.56	155	9.20	2.77	1.4	1.2	14	4	128	.04	1	0.7	0.3	0	SER	
		4	17 9	25.82	19	23.37	155	14.81	3.28	2.3	1.6	28	5	71	.10	3	0.3	0.3	0	SEC	
		4	2343	29.79	19	18.54	155	30.32	9.44	2.0	1.5	31	5	65	.12	6	0.4	1.0	0	LSW	
		5	543	51.89	19	24.20	155	18.37	2.92	1.8	1.1	18	6	63	.06	3	0.4	0.6	0	SSC	
		5	553	34.59	19	22.64	155	14.25	3.51	1.6	1.4	18	5	93	.06	2	0.3	0.4	0	SEC	
		5	736	32.37	19	46.55	155	22.94	25.99	2.6	2.0	36	8	127	.09	8	0.6	1.0	0	KEA	
		5	1054	11.00	19	14.83	155	45.84	8.25		1.4	17	3	174	.14	11	0.9	2.1	0	KON	
		5	1239	7.86	19	25.06	155	19.90	6.31	1.8	1.1	17	3	97	.08	3	0.4	0.9	0	KAO	
		5	1950	39.20	17	53.24	155	23.43	20.00		2.1	31	5	336	.10	125	2.5	11.0	0	DIS	*
		5	2052	6.40	19	22.95	155	14.50	3.56	1.8	1.4	19	5	96	.07	3	0.3	0.4	0	SEC	
		5	2144	7.86	19	21.93	155	4.91	7.45	2.0	2.0	47	5	76	.12	5	0.4	0.6	0	SF5	
		5	2151	40.02	19	21.57	155	9.89	2.95		1.1	16	3	61	.07	1	0.4	0.3	0	SER	
		5	2316	58.95	19	57.58	156	12.03	9.58	1.5	2.1	27	2	271	.12	48	1.4	0.9	0	KOH	
		6	021	5.49	19	23.20	155	14.58	3.44	3.0	2.2	54	9	47	.11	3	0.3	0.3	0	SEC	
		6	519	50.27	19	23.02	155	14.59	3.32	1.9	1.6	33	8	57	.08	3	0.2	0.3	0	SEC	
		6	1356	59.81	19	20.79	155	48.70	13.14		1.2	15	2	159	.10	11	0.8	1.0	0	KON	
		6	1418	22.53	19	23.06	155	14.88	3.09	2.0	1.7	18	6	111	.08	2	0.3	0.3	0	SEC	
		6	1858	9.54	19	23.20	155	15.01	3.15	1.7	1.4	19	6	80	.06	2	0.3	0.3	0	SEC	
		6	2327	42.50	19	22.34	155	4.71	8.48	2.0	2.0	39	7	82	.10	4	0.4	0.4	0	SF5	
		7	058	7.65	19	23.14	155	14.80	3.09	1.5	1.4	16	6	112	.06	2	0.3	0.5	0	SEC	
		7	132	21.54	20	46.28	154	58.26	3.50	2.8	2.6	34	3	307	.13	105	6.9	5.2	0	DIS	
		7	312	11.75	19	22.79	155	14.50	3.01	1.4	1.3	19	6	81	.07	2	0.3	0.4	0	SEC	
		7	340	35.79	19	23.70	155	15.45	2.20	1.5	1.0	13	2	151	.07	2	0.3	0.4	0	SEC	L
		7	8 4	48.51	19	21.54	155	10.16	2.90	1.4	1.2	17	3	79	.07	1	0.5	0.3	0	SER	
		7	826	42.29	19	23.17	155	16.36	9.59	1.9	1.2	9	1	117	.09	1	1.8	2.5	0	INT	L
		7	1050	11.64	19	22.01	155	13.16	3.19	1.2	1.3	14	4	96	.06	1	0.5	0.4	0	SER	
		7	1238	6.23	19	21.76	155	13.04	1.77	1.9	1.5	19	3	101	.06	2	0.3	0.5	0	SER	
		7	13 5	48.41	19	22.06	155	17.50	9.49	1.8	1.2	10	3	255	.12	3	3.0	1.2	0	INT	L
		7	1320	51.20	19	24.59	155	15.00	9.14	1.7	1.1	9	2	262	.10	3	1.7	0.7	0	INT	L
		7	1544	1.84	19	20.19	155	13.47	6.40	1.7	1.4	40	8	63	.11	5	0.3	0.7	0	SF2	
		7	1639	21.73	19	24.52	155	3.64	3.77	2.3	1.8	47	4	89	.12	1	0.4	0.4	0	SME	
		7	1912	6.46	19	25.55	155	50.49	6.74	2.1	1.2	26	4	121	.23	11	0.6	2.9	0	KON	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	FEB	7	2038	53.38	19	21.87	155	4.78	6.47	0.8	1.3	22	3	78	.13	5	0.7	1.1	0	SF5	
		8	1218	52.28	19	21.54	155	30.26	10.19	2.1	1.7	38	4	47	.06	5	0.3	0.6	0	KAO	
		9	334	49.53	19	24.84	155	20.07	6.35	2.1	1.4	37	6	59	.09	4	0.3	0.7	0	KAO	
		9	425	42.47	19	22.25	155	29.89	9.46		1.2	32	3	41	.09	4	0.4	0.7	0	KAO	
		9	710	20.91	19	26.86	155	30.33	10.84	2.4	2.0	49	9	40	.10	9	0.3	0.5	0	KAO	
		9	9 7	31.50	19	22.19	155	3.13	7.71	1.7	1.8	43	3	110	.12	4	0.4	0.5	0	SF5	
		9	930	10.13	19	22.62	155	14.10	3.27		1.3	16	3	89	.06	2	0.3	0.4	0	SEC	
		9	1612	16.21	19	11.87	155	32.02	35.27	1.2	1.7	32	4	93	.14	7	1.4	1.0	0	DLS	
		9	2032	32.71	19	20.71	155	7.83	8.19		1.2	24	4	83	.09	4	0.5	0.7	0	SF4	
		10	053	28.29	19	21.30	155	13.59	0.79		1.0	15	4	175	.10	3	0.3	0.8	0	SER	
		10	1849	32.46	19	37.60	155	21.39	13.55	2.0	1.6	37	7	69	.13	14	0.5	0.7	0	KEA	
		10	19 9	23.78	19	15.43	155	32.55	10.78	1.8	1.4	21	6	121	.13	4	0.5	1.1	0	LSW	
		10	20 9	34.62	20	2.63	155	37.39	19.21		1.5	19	5	180	.12	19	1.0	2.3	0	KOH	
		10	2016	21.95	19	19.59	155	15.11	7.07	1.4	1.1	30	4	83	.07	4	0.3	0.6	0	SF1	
		10	2130	11.38	20	13.42	155	37.52	36.62	1.3	1.6	21	4	264	.13	19	2.0	1.1	0	KOH	
		10	22 1	35.43	19	24.19	155	16.06	1.48	2.1	1.5	19	6	123	.10	2	0.2	0.4	0	SEC	
		11	030	2.09	19	22.85	155	14.46	3.18	1.1	1.1	12	3	126	.07	2	0.5	0.7	0	SEC	
		11	145	55.67	19	21.99	155	13.48	3.05	1.5	1.4	13	3	91	.04	1	0.4	0.3	0	SER	
		11	330	15.39	19	24.19	155	17.49	1.58	1.7	1.2	14	5	122	.09	2	0.4	0.3	0	SSC	L
		11	648	50.80	19	22.86	155	14.48	3.53	1.7	1.6	22	5	77	.06	2	0.3	0.3	0	SEC	
		11	735	58.69	19	22.85	155	14.39	3.56	1.7	1.6	26	7	80	.06	2	0.3	0.2	0	SEC	
		11	822	34.33	19	22.92	155	14.45	3.65		1.5	26	6	78	.07	2	0.3	0.3	0	SEC	
		11	12 8	27.13	19	59.66	155	14.01	4.50	1.2	1.8	19	5	245	.13	33	0.9	1.5	0	KEA	
		11	1315	25.91	19	27.32	155	27.36	6.95	2.0	1.4	32	6	45	.09	5	0.3	0.9	0	KAO	
		11	2015	59.74	19	19.63	155	11.79	7.94	2.1	1.9	44	7	90	.11	6	0.4	0.6	0	SF3	
		12	013	8.33	19	21.81	155	12.75	2.68	1.6	1.2	12	2	105	.03	2	0.5	0.4	0	SER	
		12	021	44.37	19	19.51	155	7.49	7.44	1.9	1.8	42	7	108	.10	4	0.4	0.5	0	SF4	
		12	323	2.42	19	13.00	155	19.32	29.86		1.5	36	6	178	.09	9	0.7	0.9	0	DEP	
		12	5 5	13.84	19	23.03	155	14.74	3.32	1.6	1.5	23	7	74	.07	2	0.3	0.3	0	SEC	
		12	717	38.13	19	22.70	155	8.65	3.25		1.1	11	2	125	.07	2	0.9	0.4	0	SER	
		12	722	30.04	19	22.60	155	14.04	3.45	1.6	1.6	18	5	90	.04	2	0.4	0.3	0	SEC	
		12	916	3.18	19	14.07	155	26.33	7.92	2.0	1.9	40	5	115	.11	4	0.3	0.7	0	LSW	
		12	939	28.48	19	22.61	155	13.94	3.61	1.5	1.4	16	4	93	.05	1	0.4	0.3	0	SER	
		12	952	13.69	19	22.82	155	14.70	2.52	1.6	1.5	16	3	71	.11	2	0.3	0.4	0	SEC	
		12	12 7	28.92	19	21.94	155	13.45	2.92	1.5	1.3	16	4	94	.05	1	0.4	0.4	0	SER	
		12	1251	24.37	19	12.32	155	27.16	2.01	1.8	1.3	20	1	120	.12	5	0.5	1.4	0	LSW	
		12	1349	51.17	19	19.81	155	7.37	8.34		1.4	24	5	105	.07	5	0.5	0.9	0	SF4	
		12	1535	40.10	19	22.23	155	14.00	3.12	1.8	1.5	26	9	82	.08	2	0.2	0.3	0	SEC	
		12	1710	33.62	19	23.20	155	14.64	3.61	2.5	1.8	40	10	57	.08	3	0.3	0.3	0	SEC	
		12	21 3	17.35	19	14.01	155	26.46	7.32		1.2	20	2	115	.13	4	0.5	1.2	0	LSW	
		12	2122	45.62	19	19.93	155	7.37	8.22	2.3	2.3	45	6	102	.08	5	0.3	0.4	0	SF4	
		13	034	13.81	19	23.07	155	14.91	3.05	1.4	1.2	14	4	83	.06	2	0.3	0.5	0	SEC	
		13	325	33.74	19	22.49	155	2.38	7.84	0.8	1.4	19	4	139	.12	5	0.5	0.8	0	SF5	
		13	333	7.21	19	22.93	155	14.81	3.07	1.7	1.5	19	5	68	.08	2	0.3	0.3	0	SEC	
		13	337	13.43	19	22.15	155	10.92	2.74	1.4	1.0	12	2	120	.10	2	0.6	0.5	0	SER	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	FEB	13	344	9.05	19	22.97	155	10.90	1.70	1.3	1.1	12	3	139	.08	2	0.9	0.8	0	SER	
		13	659	52.41	19	22.42	155	10.84	3.09	1.4	1.0	10	2	140	.06	2	0.9	0.5	0	SER	
		13	7 5	48.51	19	21.88	155	13.13	3.12	1.3	0.9	11	2	98	.03	1	0.5	0.5	0	SER	
		13	8 3	4.86	19	22.11	155	13.47	3.11	1.2	1.2	12	3	89	.03	1	0.5	0.4	0	SER	
		13	827	2.62	19	25.15	155	19.46	6.22		1.1	19	4	106	.08	3	0.6	1.3	0	KAO	
		13	829	17.58	19	25.26	155	19.60	5.29		1.3	24	4	109	.12	3	0.4	1.2	0	KAO	
		13	830	49.77	19	25.40	155	19.52	6.29	1.8	0.9	18	5	116	.10	3	0.8	1.3	0	KAO	
		13	850	46.58	19	24.83	155	20.26	1.50	1.6	0.9	16	4	85	.09	5	0.3	0.8	0	KAO	
		13	1025	20.13	19	22.90	155	14.80	3.20	2.2	1.4	27	8	67	.09	2	0.3	0.3	0	SEC	
		13	1025	54.48	19	23.22	155	14.93	2.64		1.1	11	3	108	.08	2	0.4	0.6	0	SEC	
		13	1045	42.47	19	25.02	155	19.91	4.44	1.8	1.1	19	5	63	.10	4	0.7	1.8	0	KAO	
		13	1221	17.96	19	22.51	155	13.86	3.41	1.5	1.3	17	5	92	.06	1	0.3	0.4	0	SER	
		13	1322	3.82	19	22.67	155	14.44	3.35	1.6	1.5	17	5	81	.06	2	0.3	0.3	0	SEC	
		13	2020	42.35	19	45.42	156	10.24	35.68		1.2	15	0	313	.10	51	10.7	4.0	0	HUA	*
		13	2141	32.37	19	23.01	155	14.60	3.53	2.1	1.4	30	8	79	.08	3	0.3	0.3	0	SEC	
		14	122	3.47	19	13.12	155	22.86	34.11	2.2	1.7	36	5	156	.11	3	0.9	1.1	0	DEP	
		14	13 4	50.32	19	16.52	155	30.07	10.77	2.3	1.9	26	5	75	.13	3	0.4	0.9	0	LSW	
		14	1539	1.17	19	22.60	155	14.34	3.19	1.6	1.4	18	2	79	.06	2	0.3	0.3	0	SEC	
		14	1854	9.98	19	24.51	155	16.35	1.28	1.8	1.3	17	4	136	.11	1	0.2	0.3	0	SEC	
		14	1928	57.61	19	23.18	155	14.60	3.50	2.3	1.7	30	7	73	.08	3	0.3	0.3	0	SEC	
		15	030	4.37	19	19.73	155	12.45	6.17	1.4	1.5	32	3	81	.12	5	0.4	1.0	0	SF2	
		15	418	33.91	19	25.65	155	28.54	9.26	1.6	1.3	27	4	60	.06	6	0.4	0.7	0	KAO	
		15	552	11.34	19	17.67	155	13.03	5.35		1.1	18	2	120	.07	1	0.6	1.1	0	SF2	
		15	2125	48.61	19	22.62	155	8.55	2.82		1.3	23	4	66	.10	2	0.5	0.3	0	SER	
		15	2355	43.24	19	22.97	155	14.42	3.57	1.4	1.3	20	6	84	.07	2	0.3	0.4	0	SEC	
		16	0 0	32.63	19	20.37	155	12.29	7.93	1.8	1.8	49	5	73	.12	4	0.4	0.5	0	SF3	
		16	913	49.16	19	23.52	155	15.04	2.93	2.4	1.8	45	9	48	.11	2	0.2	0.3	0	SEC	
		16	928	46.77	19	50.33	155	36.20	21.28	2.6	2.7	55	9	107	.09	6	0.5	0.9	0	KEA	
		16	11 4	53.61	19	22.87	155	14.49	3.63	1.7	1.5	22	4	77	.09	2	0.3	0.4	0	SEC	
		16	2339	45.26	19	20.78	155	10.63	2.75	1.4	1.3	25	0	73	.12	3	0.4	0.8	0	SER	
		16	2350	2.39	19	19.33	155	10.83	4.43		1.3	39	10	102	.12	5	0.4	2.0	0	SSF	
		17	1641	5.60	19	20.79	155	10.87	8.20		1.2	21	5	76	.05	3	0.5	0.8	0	SF3	
		17	1715	8.05	19	23.42	155	15.04	2.51	1.5	1.2	14	5	101	.06	2	0.3	0.5	0	SEC	
		17	1721	7.76	19	21.24	155	5.87	7.91	1.6	1.6	27	3	92	.08	5	0.5	0.7	0	SF4	
		18	3 0	13.52	19	11.06	155	36.77	8.11		1.6	21	5	95	.19	7	0.6	1.6	0	LSW	
		18	848	49.22	19	12.73	155	33.18	8.93	2.5	2.4	37	2	159	.14	7	0.5	0.6	0	LSW	
		18	1935	16.89	19	25.32	155	19.90	4.81	1.8	1.2	24	4	105	.10	3	0.4	0.9	0	KAO	
		19	928	54.13	19	14.19	155	37.56	8.40	2.4	1.8	34	5	89	.17	2	0.5	1.0	0	LSW	
		19	1113	20.22	19	14.40	155	37.58	8.41	2.4	1.9	33	4	88	.15	1	0.5	0.8	0	LSW	
		19	1658	38.57	19	26.56	155	10.69	42.36	2.0	1.8	39	6	79	.11	7	0.8	1.0	0	DEP	
		19	1739	55.42	19	21.69	154	59.12	1.68		1.4	19	3	200	.10	6	0.7	0.8	0	SLE	
		19	2052	54.95	19	19.65	155	7.22	8.33	1.6	1.8	39	7	111	.09	4	0.4	0.5	0	SF4	
		19	2055	3.87	19	19.48	155	7.26	8.44	2.1	2.1	47	6	114	.08	4	0.3	0.4	0	SF4	
		19	21 5	49.86	19	19.48	155	7.20	7.82	2.0	1.9	45	8	115	.09	4	0.4	0.4	0	SF4	
		19	2124	11.42	19	19.25	155	11.85	8.23	2.1	1.9	37	4	98	.09	5	0.4	0.7	0	SF3	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	FEB	19	2359	48.54	18	25.13	154	41.88	7.00		1.2	19	0	321	.12	108	12.5	16.1	0	DIS	*
		20	316	7.90	19	53.16	154	57.15	49.25	1.3	1.7	28	4	265	.10	23	1.1	1.2	0	KEA	
		20	2025	53.08	19	21.44	155	4.90	8.49	2.7	3.0	52	7	87	.09	4	0.4	0.3	0	SF5	F
		21	837	44.26	19	24.88	155	38.83	2.49	1.9	1.1	17	6	192	.08	6	0.6	0.9	0	MLO	
		21	1344	30.28	19	23.59	155	17.76	0.03	1.5	1.5	18	3	69	.14	1	0.2	0.4	0	SSC	*
		21	1518	46.39	19	25.08	155	16.43	9.64	2.3	1.5	18	2	154	.08	1	0.7	0.9	0	INT	L
		21	19 9	20.75	19	18.35	155	13.02	7.57		1.3	34	5	97	.10	3	0.4	0.7	0	SF2	
		21	1924	22.57	19	18.28	155	13.28	6.46	1.5	1.5	39	5	89	.13	2	0.5	0.8	0	SF2	
		22	046	31.54	19	19.59	155	7.28	6.22	1.6	1.5	35	3	111	.10	4	0.5	0.9	0	SF4	
		22	115	44.67	19	24.47	155	17.04	11.16	1.8	1.0	18	2	80	.12	1	0.7	1.1	0	INT	L
		22	219	28.66	19	23.91	155	16.45	12.02	1.8	1.1	17	2	95	.12	0	0.9	1.3	0	INT	L
		22	242	15.41	19	17.64	155	12.90	7.10	0.9	1.5	43	6	129	.12	2	0.4	0.7	0	SF2	
		22	339	40.35	19	24.03	155	15.82	7.84	1.6	0.8	13	2	118	.11	1	1.3	1.3	0	INT	L
		22	343	36.89	19	21.03	155	29.76	5.01	1.6	1.3	28	3	45	.10	5	0.3	1.6	0	KAO	
		22	626	13.54	19	24.52	155	16.73	10.36	1.7	1.1	15	2	118	.08	1	0.7	1.1	0	INT	L
		22	656	54.17	19	22.97	155	17.53	9.35	1.7	1.1	14	2	82	.12	1	0.7	1.2	0	INT	L
		22	734	22.07	19	20.27	155	7.06	5.92	0.8	1.5	34	5	102	.12	6	0.4	1.0	0	SF4	
		22	751	3.85	19	24.01	155	17.63	9.51	1.9	1.1	18	2	46	.14	2	0.8	1.0	0	INT	L
		22	1247	47.63	19	22.97	155	17.19	9.47	2.1	1.1	18	3	70	.14	1	0.8	1.4	0	INT	L
		22	1340	43.14	19	24.03	155	16.66	10.32	1.9	1.1	16	2	93	.06	0	0.7	1.1	0	INT	L
		22	14 8	22.02	19	22.27	155	15.07	7.51	1.9	1.2	13	2	147	.10	1	0.7	1.2	0	INT	L
		22	1447	37.16	19	23.57	155	16.56	7.60	1.9	1.3	13	0	69	.09	1	0.6	1.2	0	INT	L
		22	17 8	20.33	19	22.13	155	4.95	7.90	2.2	2.2	48	6	72	.10	4	0.3	0.4	0	SF5	
		22	1722	52.75	19	24.01	155	18.44	9.94	1.8	1.1	19	4	59	.13	2	0.6	0.9	0	INT	L
		22	1745	25.39	19	23.30	155	26.89	4.64	1.8	1.3	30	3	48	.13	2	0.4	0.7	0	KAO	
		22	1845	49.13	19	21.86	155	19.76	17.67	2.0	1.1	15	1	116	.13	3	1.6	2.1	0	DEP	L
		22	1919	6.31	19	25.39	155	29.98	9.83		1.3	22	2	48	.08	5	0.4	1.0	0	KAO	
		22	1953	57.14	19	23.19	155	19.25	5.45	1.8	1.1	16	2	128	.22	1	1.0	0.8	0	KAO	L
		22	20 2	38.84	19	22.99	155	17.55	5.90	1.7	1.1	11	2	98	.08	1	0.7	1.0	0	INT	L
		22	22 6	17.82	19	24.11	155	17.19	11.96	1.9	1.1	21	1	66	.11	1	0.6	0.8	0	INT	L
		22	2350	13.85	19	22.71	155	18.38	9.16	2.0	1.2	15	2	109	.14	3	1.0	1.1	0	INT	L
		23	1 4	58.84	19	42.88	156	0.75	10.05	2.5	2.2	42	3	224	.13	18	1.2	0.7	0	HUA	
		23	141	47.37	19	23.79	155	15.02	4.85	1.6	1.0	16	2	90	.12	2	0.5	0.9	0	SEC	L
		23	224	9.53	19	23.29	155	16.24	4.31	1.4	1.0	12	1	86	.12	1	0.5	0.6	0	SEC	L
		23	3 2	38.84	19	23.78	155	17.02	10.13	1.7	1.1	16	2	70	.10	1	0.8	1.2	0	INT	L
		23	438	32.26	19	25.01	155	16.61	13.12	2.0	1.2	19	3	150	.08	1	1.1	0.7	0	DEP	L
		23	8 2	43.12	19	23.54	155	17.44	13.79	2.0	1.3	14	3	60	.11	1	2.2	1.0	0	DEP	L
		23	945	49.59	19	22.81	155	3.26	7.90	0.8	1.4	30	4	112	.16	3	0.6	0.9	0	SF5	
		23	946	12.61	19	26.58	155	16.54	6.14	1.6	1.1	16	3	207	.13	3	1.1	0.9	0	INT	L
		23	10 7	16.44	19	29.40	155	52.23	9.94	2.8	2.4	45	5	99	.17	5	0.6	0.4	0	KON	
		23	11 6	4.45	19	50.79	155	55.48	41.13	1.4	1.9	46	6	210	.11	20	0.9	1.0	0	HUA	
		23	1143	9.33	19	24.85	155	14.49	11.27	1.8	1.2	14	0	162	.14	4	1.4	1.9	0	INT	L
		23	1721	47.32	19	23.27	155	19.69	14.50	2.0	1.2	13	3	203	.08	1	1.4	1.4	0	DML	L
		23	2022	42.01	19	22.16	155	17.64	4.82	1.6	1.0	12	2	167	.10	3	0.7	1.2	0	SSC	L
		23	23 7	35.33	19	25.00	155	13.61	15.69	2.0	1.2	12	3	288	.15	6	3.1	1.2	0	DEP	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	FEB	24	10 2	53.65	19	28.78	155	26.79	5.41	2.0	1.4	26	5	86	.10	6	0.3	1.7	0	KAO
		24	1151	7.31	19	24.97	155	16.77	15.78	2.0	1.1	13	3	178	.09	2	1.7	1.0	0	DEP L
		24	1526	13.73	19	24.73	155	16.42	9.11	2.0	1.3	19	6	145	.05	1	0.8	0.6	0	INT L
		24	1527	3.70	19	24.58	155	16.62	10.91	2.0	1.3	21	5	135	.09	1	0.7	0.8	0	INT L
		24	1556	36.88	19	24.28	155	18.22	12.39	1.9	1.1	14	3	77	.06	2	1.3	1.0	0	INT
		24	1612	59.83	19	22.41	154	50.17	43.30	3.6	3.4	62	12	246	.10	9	0.8	0.7	0	LER
		24	1740	33.00	19	3.39	155	14.77	17.56	2.3	1.9	40	6	260	.10	25	1.2	3.7	0	LOI
		24	1952	25.70	19	23.86	155	17.46	13.37	1.7	1.0	13	1	55	.05	1	1.2	1.8	0	DEP L
		24	2035	57.50	20	31.48	155	47.16	21.90	3.0	2.4	30	4	315	.24	44	1.2	3.9	0	DIS
		25	118	55.86	19	22.67	155	17.89	4.68	1.5	1.1	10	1	147	.08	2	0.6	0.9	0	SSC L
		25	1835	10.27	19	26.56	155	18.99	4.04	2.3	1.8	32	6	97	.12	3	0.4	0.8	0	SNC
		25	1849	9.77	19	8.00	156	7.27	37.19	3.2	3.1	51	5	268	.09	30	1.0	1.2	0	KON
		25	1957	19.60	19	22.80	155	2.68	7.60	2.0	1.9	41	5	119	.13	4	0.4	0.4	0	SF5
		25	21 9	40.49	19	1.73	155	18.84	34.95		1.4	34	6	223	.10	21	1.5	1.3	0	LOI
		26	228	51.93	19	20.92	155	12.89	8.79	2.2	2.6	51	8	61	.11	3	0.4	0.4	0	SF2
		26	938	52.64	19	25.16	155	17.07	15.22	1.7	1.1	13	4	154	.04	0	2.5	1.1	0	DEP L
		26	953	59.51	19	25.45	155	15.34	14.24	1.7	1.0	13	2	194	.11	2	2.0	1.4	0	DEP L
		26	1141	33.25	19	21.49	155	18.42	10.78	1.6	1.0	9	1	255	.05	4	1.8	1.5	0	SWR L
		26	1156	34.44	19	24.30	155	17.68	16.73	1.8	1.1	12	2	77	.06	2	2.0	1.4	0	DEP L
		26	1253	55.25	19	20.95	155	6.02	8.36	1.6	1.6	27	4	98	.07	5	0.5	0.7	0	SF4
		26	1554	8.16	19	11.33	155	38.78	0.46	2.9	2.8	45	11	106	.18	17	0.5	0.3	0	LSW
		26	19 5	34.64	19	20.00	155	6.54	8.21	2.1	2.0	44	8	116	.10	5	0.4	0.5	0	SF4
		26	2155	34.35	19	20.27	155	3.97	7.05		1.4	25	5	123	.08	2	0.4	0.6	0	SF5
		27	357	24.53	19	32.50	155	57.85	11.08		1.5	29	1	214	.16	8	1.4	0.5	0	KON
		27	628	19.03	19	24.23	155	16.66	8.32		0.8	16	2	103	.12	1	0.8	0.9	0	INT
		27	2213	26.35	19	11.03	155	41.33	12.31	2.1	1.6	17	3	123	.07	10	0.4	0.7	0	LSW
		28	413	42.11	19	17.55	155	27.51	10.62	1.7	1.3	31	6	49	.12	6	0.4	0.8	0	LSW
		28	13 1	55.67	19	21.99	155	19.71	9.06	1.6	0.9	10	2	220	.10	3	1.8	1.8	0	SWR L
		28	18 0	33.81	19	19.62	155	6.69	7.19		1.2	24	5	123	.08	5	0.4	0.8	0	SF4
		29	4 5	57.96	19	15.90	155	29.36	7.30		1.1	26	4	60	.20	2	0.5	1.1	0	LSW
		29	653	59.57	19	19.23	155	12.75	5.76	1.4	1.4	42	5	86	.13	4	0.4	0.9	0	SF2
		29	1347	26.18	19	42.88	155	49.25	12.34	2.2	1.9	29	1	257	.13	4	1.4	0.4	0	HUA
		29	1822	31.06	19	19.54	155	49.02	8.82		1.6	23	0	136	.13	9	0.8	1.3	0	KON
		29	2242	33.64	19	9.87	155	32.48	1.64		1.4	22	2	119	.20	8	0.9	1.8	0	LSW
	MAR	1	035	21.25	19	26.43	155	19.75	3.13	1.7	1.0	18	2	153	.09	3	0.5	0.5	0	KAO
		1	237	1.20	19	20.23	155	10.69	8.84		1.3	30	2	82	.08	4	0.4	0.8	0	SF3
		1	659	13.77	19	26.90	155	19.01	6.08	1.4	1.1	14	2	122	.10	4	0.7	1.3	0	INT
		1	813	7.67	19	25.20	155	19.85	6.59	1.6	1.0	20	2	102	.09	3	0.4	0.8	0	KAO
		1	10 7	40.86	19	19.43	155	8.63	6.29		1.4	31	2	81	.09	4	0.4	0.9	0	SF4
		1	1539	27.59	19	14.70	155	2.78	43.54	2.4	1.9	49	8	206	.10	10	1.2	0.9	0	DEP
		1	1922	31.49	19	17.88	155	15.21	7.57		1.2	26	4	145	.09	3	0.5	0.8	0	SF1
		2	020	59.06	19	41.88	155	7.12	45.47	0.9	1.5	27	4	99	.10	4	1.1	2.2	0	HIL
		3	045	21.19	19	22.19	155	13.45	3.05		0.9	8	2	184	.04	1	0.9	0.4	0	SER
		3	046	36.40	19	22.33	155	13.32	3.12	1.2	1.1	17	5	135	.06	1	0.6	0.3	0	SER
		3	046	56.68	19	22.46	155	13.29	3.24		0.8	11	4	143	.09	0	0.6	0.4	0	SER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	3	047	16.05	19	22.89	155	13.05	3.10		0.9	14	5	138	.07	0	0.5	0.3	0	SER
		3	047	27.46	19	22.04	155	13.17	2.88		1.1	14	4	95	.10	1	0.6	0.3	0	SER
		3	047	33.53	19	22.62	155	13.14	3.21	1.2	1.3	21	5	110	.11	0	0.5	0.2	0	SER
		3	048	15.49	19	21.95	155	13.39	1.77	1.7	1.5	20	4	94	.12	1	0.3	0.3	0	SER
		3	053	4.42	19	22.69	155	14.11	3.05	1.1	1.2	13	4	137	.05	2	0.4	0.3	0	SEC
		3	054	45.06	19	22.12	155	13.00	3.12		1.2	9	2	155	.05	1	0.8	0.3	0	SER
		3	056	59.89	19	22.90	155	13.80	3.22	1.5	1.3	20	5	117	.10	1	0.3	0.3	0	SER
		3	057	19.92	19	22.30	155	13.88	3.31	1.5	1.4	18	6	82	.04	1	0.3	0.4	0	SER
		3	057	36.84	19	22.35	155	13.99	3.43		1.1	14	6	142	.06	2	0.4	0.5	0	SEC
		3	058	31.13	19	22.31	155	13.67	3.17	1.7	1.4	19	4	84	.06	1	0.3	0.3	0	SER
		3	059	44.89	19	22.49	155	13.81	3.19	1.5	1.3	17	5	130	.09	1	0.3	0.4	0	SER
		3	1 0	7.71	19	22.25	155	14.14	3.16	1.5	1.2	19	4	81	.10	2	0.4	0.4	0	SEC
		3	1 0	18.58	19	22.51	155	14.19	2.28	1.6	1.5	18	5	85	.12	2	0.3	0.4	0	SEC
		3	1 8	28.61	19	22.60	155	14.00	3.54	1.5	1.4	13	3	136	.07	2	0.5	0.5	0	SEC
		3	112	9.19	19	22.58	155	14.04	3.33	1.6	1.4	15	3	94	.04	2	0.4	0.4	0	SEC
		3	114	44.64	19	22.68	155	14.31	3.15	1.7	1.4	25	6	93	.09	2	0.3	0.3	0	SEC
		3	115	59.96	19	22.49	155	14.00	3.04		1.2	11	2	138	.04	2	0.4	0.4	0	SEC
		3	116	4.97	19	22.15	155	13.96	2.89	1.2	1.3	16	4	83	.05	2	0.3	0.4	0	SER
		3	116	30.91	19	22.41	155	13.91	3.09		0.9	13	4	130	.06	1	0.3	0.4	0	SER
		3	116	52.41	19	22.20	155	14.00	3.18	1.2	1.2	17	4	83	.05	2	0.5	0.3	0	SEC
		3	117	10.68	19	21.79	155	13.67	1.78	1.8	1.6	23	5	54	.07	2	0.3	0.4	0	SER
		3	117	40.46	19	22.94	155	14.53	2.51		1.1	9	4	145	.04	3	0.3	1.3	0	SEC
		3	120	39.26	19	21.71	155	13.60	1.41	1.5	1.4	17	3	94	.03	2	0.3	0.5	0	SER
		3	120	54.29	19	22.34	155	13.97	3.31	1.5	1.4	23	6	81	.04	2	0.3	0.3	0	SER
		3	126	48.69	19	23.06	155	14.53	2.38		0.8	14	5	115	.05	3	0.3	0.6	0	SEC
		3	126	57.39	19	22.07	155	13.60	2.70	1.2	1.2	17	4	88	.06	1	0.4	0.4	0	SER
		3	128	22.25	19	22.19	155	13.09	2.69		1.3	9	3	183	.03	1	0.7	0.3	0	SER
		3	129	22.92	19	22.63	155	14.13	3.01		1.1	16	5	95	.10	2	0.3	0.4	0	SEC
		3	129	29.89	19	23.04	155	14.34	2.40	1.1	1.2	15	5	110	.05	2	0.3	0.4	0	SEC
		3	130	34.20	19	22.32	155	13.04	4.17		1.0	15	4	105	.12	1	0.6	0.4	0	SER
		3	130	51.36	19	23.45	155	12.31	1.53			9	4	177	.06	2	0.6	1.0	0	SER
		3	131	30.64	19	22.32	155	13.90	3.46	1.2	1.4	19	5	82	.07	2	0.4	0.4	0	SER
		3	132	35.34	19	22.44	155	13.87	3.27	1.5	1.3	21	7	86	.07	1	0.3	0.4	0	SER
		3	133	36.41	19	22.29	155	13.75	2.47		1.7	10	2	145	.03	1	0.5	0.4	0	SER
		3	133	39.22	19	22.25	155	14.10	3.05	1.8	1.6	32	9	73	.09	2	0.3	0.3	0	SEC
		3	134	5.88	19	22.29	155	13.98	3.22	1.8	1.3	21	6	81	.06	2	0.3	0.3	0	SER
		3	134	29.57	19	22.41	155	13.90	3.67	1.5	1.2	14	4	84	.06	1	0.4	0.4	0	SER
		3	137	24.25	19	21.93	155	13.53	2.12	2.1	1.4	40	6	49	.11	1	0.2	0.3	0	SER
		3	138	46.98	19	22.37	155	13.92	1.61	1.4	1.4	15	4	184	.08	3	0.3	0.7	0	SER
		3	142	5.40	19	22.33	155	14.09	1.57	1.1	1.2	14	6	180	.10	2	0.3	0.3	0	SEC
		3	142	31.74	19	22.51	155	13.69	2.50			10	4	189	.02	1	0.7	0.8	0	SER
		3	142	52.13	19	21.67	155	13.73	1.51	2.0	1.7	23	6	93	.06	2	0.3	0.4	0	SER
		3	145	47.76	19	21.79	155	13.74	1.78	1.5	1.4	18	4	91	.03	2	0.3	0.5	0	SER
		3	146	42.79	19	22.47	155	14.37	3.37	1.2	1.1	13	3	89	.04	2	0.4	0.5	0	SEC
		3	147	38.26	19	22.77	155	14.64	2.65	1.8	1.6	23	6	73	.10	2	0.3	0.3	0	SEC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	3	150	39.93	19	23.06	155	14.59	1.41	1.1	1.1	11	3	135	.05	3	0.3	0.8	0	SEC
		3	150	49.69	19	21.72	155	13.83	1.76	1.2	1.5	15	3	147	.06	2	0.3	0.5	0	SER
		3	153	42.67	19	22.14	155	13.92	1.61	1.8	1.7	30	8	84	.08	2	0.2	0.3	0	SER
		3	154	43.71	19	22.49	155	14.08	3.12		1.2	12	5	173	.07	2	0.7	0.4	0	SEC
		3	159	3.23	19	22.32	155	13.93	3.41	1.5	1.4	20	6	82	.04	2	0.3	0.4	0	SER
		3	2	0 52.23	19	22.03	155	13.91	1.41	1.2	1.5	17	6	86	.07	2	0.3	0.4	0	SER
		3	2	2 57.90	19	22.52	155	13.84	3.62	2.2	1.5	37	8	90	.08	1	0.3	0.3	0	SER
		3	2	7 8.21	19	21.95	155	14.00	1.71	1.5	1.4	21	8	86	.05	2	0.3	0.3	0	KOA
		3	2	8 13.55	19	21.75	155	13.45	4.42			7	3	266	.06	2	2.0	1.3	0	SER
		3	2	8 38.25	19	22.19	155	13.95	3.20	1.5	1.3	22	7	84	.05	2	0.3	0.3	0	SER
		3	210	45.56	19	22.81	155	14.32	3.69		1.0	12	3	121	.08	2	0.5	0.7	0	SEC
		3	211	14.97	19	22.21	155	14.12	1.99	1.2	1.3	20	5	81	.10	2	0.3	0.4	0	SEC
		3	211	33.84	19	21.89	155	13.63	1.99	1.8	1.5	23	6	91	.09	2	0.3	0.4	0	SER
		3	212	17.90	19	22.54	155	14.01	2.01	1.4		17	6	137	.10	2	0.3	0.4	0	SEC
		3	213	15.61	19	22.82	155	14.49	3.73	1.6	1.4	22	7	94	.06	2	0.3	0.4	0	SEC
		3	214	12.38	19	22.84	155	14.89	3.02	1.7	1.4	20	6	70	.09	2	0.3	0.3	0	SEC
		3	215	51.30	19	22.73	155	14.44	3.34	1.6	1.5	26	8	78	.09	2	0.3	0.3	0	SEC
		3	216	53.00	19	22.71	155	14.00	3.34	1.3	1.6	21	4	105	.12	2	0.4	0.4	0	SEC
		3	218	28.52	19	21.68	155	12.85	2.85		1.4	22	5	59	.05	2	0.4	0.4	0	SER
		3	224	43.92	19	22.49	155	14.04	3.12	1.5	1.3	16	3	128	.05	2	0.4	0.3	0	SEC
		3	225	42.46	19	22.13	155	13.95	2.04	0.8	1.3	36	6	57	.09	2	0.2	0.3	0	SER
		3	227	30.82	19	22.61	155	14.35	3.47	1.4	1.4	23	7	89	.09	2	0.3	0.4	0	SEC
		3	228	3.20	19	21.76	155	15.46	1.78	1.1	1.5	12	4	210	.12	1	0.7	0.5	0	KOA
		3	230	14.23	19	22.10	155	14.07	1.28	3.2	3.7	54	5	53	.13	2	0.2	0.4	0	SEC
		3	235	29.70	19	22.22	155	13.78	1.95	1.7	1.7	19	5	84	.06	1	0.3	0.3	0	SER
		3	236	59.68	19	22.07	155	13.86	1.98	1.2	1.2	12	4	191	.06	2	0.4	0.3	0	SER
		3	239	35.88	19	22.33	155	14.23	1.50	1.4	2.1	16	7	141	.13	2	0.4	0.3	0	SEC
		3	240	0.33	19	22.88	155	14.37	1.70	1.4	1.2	5	1	150	.02	2	0.9	3.9	0	SEC
		3	240	36.32	19	22.86	155	13.39	4.61	1.2	1.4	15	3	128	.09	1	0.5	0.6	0	SER
		3	241	9.74	19	22.94	155	14.34	3.84	2.4	1.7	43	7	53	.09	2	0.3	0.3	0	SEC
		3	241	56.11	19	22.23	155	12.74	3.24	3.0	3.4	52	6	51	.11	1	0.2	0.3	0	SER
		3	242	56.61	19	22.30	155	14.21	1.76	2.7	3.3	33	5	75	.11	2	0.2	0.3	0	SEC
		3	248	15.04	19	22.57	155	13.83	3.34	1.9	1.8	18	6	97	.08	1	0.3	0.3	0	SER
		3	249	51.97	19	22.51	155	14.01	1.94	1.7	1.7	21	6	90	.08	2	0.2	0.3	0	SEC
		3	254	27.25	19	22.84	155	13.53	1.47		1.6	13	3	124	.14	1	0.5	0.5	0	SER
		3	254	33.72	19	22.00	155	13.90	1.37		1.7	19	5	87	.10	2	0.3	0.4	0	SER
		3	259	55.17	19	22.17	155	13.94	1.73		1.3	11	2	147	.06	2	0.3	0.4	0	SER
		3	3	0 38.07	19	22.19	155	14.41	1.45	1.6	1.4	15	2	79	.07	2	0.3	0.4	0	SEC
		3	3	1 32.18	19	22.66	155	14.11	3.51	1.4	1.4	16	2	89	.08	2	0.4	0.5	0	SEC
		3	3	4 2.71	19	22.34	155	13.93	3.30	1.5	1.4	18	5	81	.06	2	0.3	0.4	0	SER
		3	3	5 37.71	19	22.29	155	14.14	2.98		1.1	19	5	80	.08	2	0.3	0.4	0	SEC
		3	3	8 7.99	19	22.37	155	13.95	3.36		1.8	24	7	81	.06	2	0.3	0.3	0	SER
		3	3	8 11.52	19	22.32	155	13.86	2.65	2.1	1.8	47	7	50	.15	1	0.3	0.3	0	SER
		3	310	31.18	19	22.30	155	14.11	2.95	1.5	1.4	16	4	80	.06	2	0.4	0.3	0	SEC
		3	311	40.00	19	22.40	155	14.01	3.35	1.9	1.9	21	5	82	.05	2	0.3	0.2	0	SEC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	3	313	28.65	19	22.26	155	14.32	1.40	1.7	1.7	19	4	79	.07	2	0.2	0.3	0	SEC
		3	314	8.02	19	22.21	155	13.83	2.78	1.6	1.5	18	5	117	.10	1	0.4	0.4	0	SER
		3	318	47.14	19	22.24	155	14.41	1.45	1.8	1.4	30	6	78	.09	2	0.2	0.3	0	SEC
		3	322	18.12	19	22.56	155	13.99	0.47	1.4	1.7	17	5	93	.11	2	0.3	0.4	0	SEC
		3	324	35.40	19	22.06	155	13.82	3.35	1.5	1.2	9	2	191	.06	4	0.8	1.1	0	SER
		3	326	31.58	19	22.19	155	14.20	1.67	2.1	1.7	39	6	53	.11	2	0.2	0.3	0	SEC
		3	329	30.18	19	22.23	155	13.87	1.76	2.1	1.9	30	4	59	.10	2	0.3	0.3	0	SER
		3	331	42.62	19	22.18	155	14.27	1.58	2.1	1.8	29	6	54	.11	2	0.2	0.3	0	SEC
		3	334	4.41	19	22.96	155	14.45	1.68	1.4	1.5	18	6	98	.08	2	0.3	0.4	0	SEC
		3	334	13.53	19	22.21	155	13.91	2.98		1.6	16	4	83	.08	2	0.4	0.4	0	SER
		3	335	59.71	19	22.16	155	13.91	3.07	1.7	1.6	19	4	84	.07	2	0.4	0.3	0	SER
		3	336	16.45	19	22.55	155	13.81	3.76		1.2	16	5	95	.06	1	0.4	0.4	0	SER
		3	340	18.38	19	22.31	155	13.97	3.33	1.8	1.3	26	5	62	.09	2	0.3	0.3	0	SER
		3	342	9.38	19	22.43	155	14.34	1.72	1.1	1.3	18	5	91	.05	2	0.2	0.3	0	SEC
		3	342	24.92	19	22.24	155	14.06	2.00	1.6	1.7	19	5	81	.06	2	0.3	0.3	0	SEC
		3	347	3.94	19	22.27	155	14.19	1.55	1.3	1.6	20	5	80	.08	2	0.3	0.4	0	SEC
		3	348	20.19	19	22.16	155	14.43	1.89	2.6	2.0	47	5	55	.10	2	0.2	0.3	0	SEC
		3	352	48.62	19	21.93	155	14.46	1.12	1.8	1.7	20	4	81	.07	3	0.2	0.4	0	KOA
		3	353	42.74	19	22.54	155	14.76	3.05	2.1	3.0	27	0	52	.15	2	0.4	0.5	0	SEC
		3	354	50.85	19	23.13	155	14.69	3.09	1.4		17	7	108	.07	3	0.3	0.4	0	SEC
		3	356	30.16	19	23.01	155	14.68	3.23	1.6	1.4	10	3	211	.04	2	0.6	0.5	0	SEC
		3	4	0 49.30	19	22.23	155	14.30	1.47	2.1	1.5	26	4	79	.09	2	0.2	0.3	0	SEC
		3	4	1 34.33	19	22.13	155	14.48	1.53		1.4	16	3	79	.07	3	0.2	0.4	0	SEC
		3	4	4 36.37	19	22.28	155	13.94	3.18	1.8	1.3	33	6	58	.10	2	0.3	0.3	0	SER
		3	4	5 48.14	19	22.15	155	14.15	1.61	3.1	2.3	45	5	54	.11	2	0.2	0.3	0	SEC
		3	4	8 43.61	19	22.19	155	14.40	1.61	1.4	2.4	12	2	143	.07	2	0.3	0.4	0	SEC
		3	411	41.81	19	22.21	155	13.78	1.88	1.7	1.6	16	5	84	.08	1	0.3	0.3	0	SER
		3	414	20.32	19	21.76	155	14.36	0.50	2.0	2.8	16	3	84	.16	3	0.3	0.5	0	KOA
		3	418	21.99	19	22.74	155	14.12	1.08	0.8	1.7	21	2	74	.12	2	0.3	0.4	0	SEC
		3	420	54.15	19	22.65	155	14.14	1.66	1.6	1.7	21	5	88	.08	2	0.3	0.3	0	SEC
		3	421	57.92	19	22.03	155	14.04	1.54		1.6	23	4	72	.08	2	0.3	0.4	0	SEC
		3	424	5.35	19	22.03	155	14.41	1.27		1.6	24	4	80	.10	3	0.2	0.4	0	SEC
		3	426	42.80	19	22.30	155	14.21	2.05	2.1	1.6	29	5	74	.10	2	0.2	0.3	0	SEC
		3	430	5.92	19	22.51	155	14.58	1.63	2.1	1.9	42	7	51	.10	2	0.2	0.3	0	SEC
		3	433	28.30	19	22.40	155	13.88	3.48	1.5	1.5	17	5	82	.05	1	0.4	0.4	0	SER
		3	436	31.23	19	22.74	155	14.15	2.10	1.4	1.8	10	5	160	.08	2	0.3	0.5	0	SEC
		3	437	42.58	19	22.30	155	14.54	1.78	1.4	1.3	19	4	76	.07	2	0.3	0.3	0	SEC
		3	437	57.24	19	22.14	155	14.29	1.70	2.6	2.0	39	5	54	.10	2	0.2	0.3	0	SEC
		3	439	34.10	19	22.40	155	14.45	2.05	2.1	2.4	17	4	78	.07	2	0.3	0.4	0	SEC
		3	440	27.24	19	22.20	155	14.11	1.88	3.1		26	0	53	.09	2	0.3	0.4	0	SEC
		3	443	40.14	19	21.98	155	13.87	1.53	2.1	3.2	21	4	87	.09	2	0.3	0.4	0	SER
		3	444	52.62	19	22.28	155	14.32	1.81	0.8	2.8	18	4	79	.11	2	0.3	0.3	0	SEC
		3	451	20.22	19	23.02	155	14.83	3.29	2.4	1.8	43	3	49	.11	2	0.3	0.3	0	SEC
		3	457	10.95	19	21.65	155	13.61	2.08	1.7	1.6	20	5	95	.13	2	0.4	0.6	0	SER
		3	458	36.83	19	22.25	155	14.62	2.09	1.4	1.5	19	5	76	.11	2	0.3	0.3	0	SEC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	MAR	3	459	30.95	19	21.96	155	14.45	0.13	2.1	1.4	28	5	81	.12	3	0.2	0.4	0	KOA	
		3	5 0	11.93	19	22.22	155	14.17	1.35	2.1	1.7	31	3	53	.11	2	0.2	0.4	0	SEC	
		3	5 1	17.73	19	22.09	155	14.29	1.55	2.4	2.1	23	4	81	.08	2	0.2	0.4	0	SEC	
		3	5 6	18.03	19	22.04	155	14.61	1.44	2.6	2.2	47	6	56	.11	2	0.2	0.3	0	SEC	
		3	511	13.93	19	22.25	155	14.27	1.86		1.6	25	5	79	.10	2	0.2	0.3	0	SEC	
		3	511	30.48	19	22.34	155	14.12	1.75	3.1	3.3	49	4	52	.13	2	0.2	0.3	0	SEC	
		3	523	9.57	19	22.02	155	14.34	1.56	1.8	1.5	15	3	81	.08	2	0.3	0.4	0	SEC	
		3	524	8.48	19	22.15	155	14.76	1.57	2.0	1.8	17	2	110	.09	2	0.3	0.4	0	SEC	
		3	528	44.50	19	22.04	155	14.07	1.93	2.0	1.7	22	5	84	.11	2	0.3	0.4	0	SEC	
		3	532	5.67	19	21.93	155	14.52	0.42	3.1	2.4	39	0	57	.12	3	0.3	0.5	0	KOA	
		3	532	38.69	19	22.04	155	13.96	1.56	2.6	2.4	16	4	151	.14	2	0.5	0.4	0	SER	
		3	533	28.03	19	22.42	155	14.40	2.60		1.7	18	4	79	.12	2	0.3	0.4	0	SEC	
		3	537	35.22	19	22.88	155	14.78	3.31		1.8	15	3	145	.09	2	0.4	0.4	0	SEC	
		3	540	59.45	19	21.94	155	14.75	4.18	1.7	1.6	10	3	78	.14	2	0.8	0.6	0	KOA	
		3	541	39.51	19	22.66	155	13.93	0.02	0.8	1.7	12	1	149	.14	3	0.5	0.9	0	SER	*
		3	542	39.80	19	22.17	155	14.14	1.48	2.9	2.3	40	0	54	.11	2	0.2	0.4	0	SEC	
		3	546	27.92	19	22.10	155	14.62	1.65	1.6	2.0	24	1	56	.10	2	0.3	0.5	0	SEC	
		3	548	31.90	19	22.33	155	14.61	1.45		1.8	9	0	143	.03	2	0.7	0.4	0	SEC	
		3	550	20.65	19	22.29	155	13.88	1.11	1.9	2.2	12	4	209	.12	1	0.9	0.4	0	SER	
		3	554	31.40	19	22.16	155	14.54	1.69	1.4	1.6	14	2	77	.04	2	0.3	0.4	0	SEC	
		3	558	57.29	19	22.06	155	14.45	1.61	1.7	1.8	36	4	55	.10	3	0.2	0.3	0	SEC	
		3	6 5	0.71	19	22.21	155	14.74	1.52	1.4	1.6	13	2	76	.05	2	0.4	0.3	0	SEC	
		3	6 6	52.09	19	22.18	155	14.70	1.43		1.3	13	0	76	.05	2	0.3	0.4	0	SEC	
		3	6 8	16.33	19	21.52	155	13.73	1.39		1.6	4	1	141	.01	7	0.8	1.5	0	SER	
		3	611	33.71	19	22.72	155	14.47	3.50	1.5	1.2	12	2	91	.04	2	0.4	0.4	0	SEC	
		3	616	38.38	19	22.24	155	14.11	0.96	2.1	1.9	35	2	52	.10	2	0.3	0.6	0	SEC	
		3	620	11.16	19	22.14	155	14.14	1.93	1.6	1.8	8	2	189	.04	2	0.6	0.4	0	SEC	
		3	621	23.28	19	21.29	155	14.82	2.40	1.7	1.7	39	5	64	.11	3	0.2	0.5	0	KOA	
		3	624	24.24	19	22.01	155	13.97	1.33	2.0	1.8	14	1	85	.07	3	0.3	0.8	0	SER	
		3	626	6.90	19	22.18	155	14.34	1.33	1.7	1.6	9	1	91	.04	3	0.4	0.7	0	SEC	
		3	627	39.94	19	22.78	155	14.16	2.99	1.5	1.6	29	5	102	.11	3	0.4	0.6	0	SEC	
		3	630	38.04	19	22.24	155	13.98	3.10	1.8	1.5	12	1	82	.06	2	0.5	0.5	0	SEC	
		3	634	28.59	19	22.14	155	14.11	1.85	1.5	1.4	11	2	136	.05	2	0.7	0.4	0	SEC	
		3	636	55.87	19	22.85	155	14.51	3.55	2.5		20	0	49	.09	3	0.4	0.5	0	SEC	
		3	641	1.51	19	23.09	155	13.46	2.61	1.6	1.2	8	1	255	.04	4	0.8	1.3	0	SER	
		3	644	58.69	19	22.47	155	14.62	1.68	1.4	1.4	14	4	78	.04	2	0.2	0.3	0	SEC	
		3	653	4.82	19	23.10	155	14.50	3.61	2.3	1.6	31	5	77	.08	3	0.3	0.3	0	SEC	
		3	653	44.72	19	22.03	155	15.49	4.52	2.4	1.8	38	4	58	.10	1	0.3	0.5	0	SEC	
		3	7 0	40.73	19	22.95	155	14.00	1.68	1.9	1.8	22	5	96	.10	2	0.3	0.3	0	SEC	
		3	710	31.85	19	22.72	155	14.35	3.37	1.7	1.5	21	6	84	.08	2	0.3	0.3	0	SEC	
		3	710	53.34	19	22.13	155	14.50	1.88	2.1	1.5	38	6	66	.10	2	0.2	0.3	0	SEC	
		3	713	24.66	19	22.71	155	14.65	1.83	1.6	1.8	8	2	121	.07	2	0.3	0.4	0	SEC	
		3	718	33.41	19	22.21	155	13.89	3.38	1.5	1.3	14	4	83	.05	2	0.5	0.4	0	SER	
		3	733	34.82	19	22.28	155	14.69	1.59	1.6	1.4	17	3	75	.04	2	0.2	0.4	0	SEC	
		3	741	17.54	19	22.02	155	13.88	1.87		1.3	13	2	86	.10	2	0.4	0.5	0	SER	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	3	741	31.80	19	21.92	155	14.41	1.24	2.1	1.6	27	6	59	.10	3	0.2	0.4	0	KOA
		3	741	41.63	19	21.92	155	14.54	1.60	2.6	2.0	34	6	68	.11	3	0.2	0.3	0	KOA
		3	743	27.08	19	22.52	155	13.94	2.98	2.2	2.8	17	2	87	.11	1	0.5	0.3	0	SER
		3	744	43.76	19	23.06	155	14.60	1.24		1.3	11	5	135	.07	3	0.3	0.6	0	SEC
		3	746	53.50	19	22.07	155	14.19	1.65	2.3	1.8	37	4	54	.11	2	0.2	0.3	0	SEC
		3	749	44.73	19	22.17	155	13.91	1.74	2.0	1.8	22	5	84	.08	2	0.3	0.3	0	SER
		3	756	13.20	19	22.44	155	14.28	3.58		1.0	10	4	174	.12	2	0.9	0.8	0	SEC
		3	812	11.37	19	22.14	155	13.68	2.25	1.5	1.5	19	5	61	.07	1	0.3	0.3	0	SER
		3	812	18.93	19	22.93	155	14.56	3.61	2.1	2.0	35	4	65	.10	3	0.3	0.4	0	SEC
		3	832	38.77	19	20.23	155	10.56	9.23	1.4	1.5	30	5	82	.07	4	0.5	0.7	0	SF3
		3	843	3.31	19	22.35	155	13.88	3.48		0.8	9	3	81	.03	1	0.5	0.5	0	SER
		3	9 8	36.91	19	22.20	155	14.62	1.28	1.4	1.3	13	1	120	.05	2	0.4	0.6	0	SEC
		3	912	3.72	19	22.61	155	14.09	3.51	1.5	1.1	9	1	135	.03	2	0.6	0.7	0	SEC
		3	922	33.64	19	22.56	155	14.90	1.84	2.1	1.7	44	8	52	.12	2	0.2	0.2	0	SEC
		3	922	54.84	19	22.07	155	14.41	1.47	3.0	2.2	42	6	55	.13	3	0.2	0.4	0	SEC
		3	933	48.87	19	22.41	155	14.59	2.13	1.7	1.5	21	6	75	.08	2	0.2	0.3	0	SEC
		3	947	33.33	19	20.00	155	10.77	6.96		0.9	15	2	93	.05	4	0.5	1.4	0	SF3
		3	947	39.29	19	19.78	155	11.32	9.29		1.1	19	5	90	.11	5	0.6	1.1	0	SF3
		3	10 0	10.12	19	22.79	155	14.38	4.10		0.9	7	2	158	.03	2	1.3	2.5	0	SEC
		3	1019	24.20	19	23.08	155	14.79	3.41	1.7	1.5	16	4	67	.04	2	0.3	0.4	0	SEC
		3	1027	40.38	19	22.15	155	14.15	2.07	1.9	1.5	29	3	81	.09	2	0.3	0.3	0	SEC
		3	1036	39.39	19	23.23	155	14.75	2.16		7		2	122	.03	3	0.4	1.9	0	SEC
		3	1039	8.18	19	22.71	155	14.19	3.39		1.0	11	2	132	.07	2	0.5	0.7	0	SEC
		3	1130	17.85	19	20.95	155	14.94	1.60		0.8	14	4	84	.09	3	0.3	0.9	0	KOA
		3	1137	19.48	19	28.79	155	27.08	5.69	2.1	1.5	40	5	61	.14	6	0.4	1.1	0	KAO
		3	1148	36.29	19	19.64	155	11.56	8.93	2.2	2.2	53	6	92	.11	5	0.4	0.4	0	SF3
		3	12 5	9.55	19	17.88	155	13.20	5.66		0.9	15	1	101	.07	2	0.7	1.2	0	SF2
		3	1231	36.42	19	23.19	155	14.83	3.23		1.1	15	6	106	.08	2	0.3	0.5	0	SEC
		3	1233	25.64	19	22.14	155	14.40	1.70	1.6	1.4	15	2	80	.06	2	0.3	0.4	0	SEC
		3	1240	17.87	19	22.50	155	14.30	1.07	1.4	1.2	13	2	141	.07	3	0.5	0.8	0	SEC
		3	1241	58.62	19	22.86	155	24.27	13.11	2.0	1.6	35	3	29	.09	5	0.4	0.6	0	DML
		3	1242	49.04	19	22.44	155	14.50	1.41	1.6	1.3	17	3	125	.11	2	0.4	0.6	0	SEC
		3	1331	41.56	19	22.95	155	15.10	3.49		0.9	12	3	142	.09	2	0.5	0.3	0	SEC
		3	14 2	38.62	19	21.61	155	12.68	2.09	2.0	1.8	34	5	57	.09	2	0.3	0.4	0	SER
		3	1413	30.49	19	23.25	155	14.79	2.83		1.2	15	6	108	.08	3	0.3	0.5	0	SEC
		3	1441	25.04	19	23.09	155	14.91	3.52	2.4	1.6	34	8	66	.10	2	0.3	0.3	0	SEC
		3	1453	6.15	19	21.00	155	14.97	1.82		0.8	11	1	83	.06	3	0.3	0.9	0	KOA
		3	1516	7.06	19	20.99	155	14.96	1.63		1.1	14	2	83	.08	3	0.3	0.6	0	KOA
		3	1518	47.93	19	23.24	155	14.79	1.51		0.8	11	5	121	.07	2	0.2	1.1	0	SEC
		3	1523	5.06	19	23.15	155	14.72	3.45		0.8	12	4	112	.09	2	0.5	0.6	0	SEC
		3	1559	16.53	19	22.49	155	14.96	1.94	1.4	1.3	17	6	71	.08	2	0.3	0.3	0	SEC
		3	1621	37.72	19	21.49	155	12.68	1.82		1.2	16	4	88	.06	2	0.3	0.5	0	SER
		3	1655	9.02	19	22.67	155	14.15	3.77		0.9	13	4	96	.10	2	0.5	0.6	0	SEC
		3	1746	26.62	19	19.37	155	11.51	5.48		1.3	32	6	98	.11	6	0.4	1.2	0	SF3
		3	1816	54.52	19	21.83	155	12.92	2.74	1.6	1.5	20	5	85	.05	1	0.3	0.3	0	SER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	3	1832	20.09	19	23.03	155	14.48	2.12		0.7	11	5	138	.07	3	0.3	1.2	0	SEC
		3	19 7	8.81	19	22.99	155	14.55	2.66		1.0	14	5	119	.06	3	0.3	0.6	0	SEC
		3	1950	48.86	19	22.78	155	14.37	3.39	1.4	1.1	17	5	96	.07	2	0.3	0.4	0	SEC
		3	20 3	42.69	19	22.71	155	14.27	3.65	1.6	1.4	19	5	81	.05	2	0.3	0.3	0	SEC
		3	2011	56.96	19	22.59	155	14.07	3.52	1.6	1.5	16	4	94	.04	2	0.3	0.4	0	SEC
		3	2057	24.00	19	22.87	155	14.43	3.42	1.4	1.2	20	6	98	.08	2	0.3	0.3	0	SEC
		3	2058	4.70	19	23.10	155	14.39	3.03		0.9	14	5	113	.07	2	0.3	0.6	0	SEC
		3	2058	28.27	19	19.44	155	11.57	6.99			13	0	96	.02	6	0.5	1.7	0	SF3
		3	2118	57.26	19	23.01	155	14.55	2.78		0.9	14	5	118	.05	3	0.3	0.6	0	SEC
		3	2132	56.73	19	22.77	155	14.30	1.34		0.9	12	5	97	.04	2	0.3	0.5	0	SEC
		3	22 7	48.36	19	22.18	155	13.07	3.22	1.5	1.4	12	5	183	.07	1	0.7	0.4	0	SER
		3	23 6	21.83	19	19.82	155	7.80	5.36		1.1	30	4	96	.13	5	0.4	1.2	0	SF4
		3	2343	17.33	19	23.05	155	14.72	2.55		0.7	14	5	135	.08	2	0.3	0.4	0	SEC
		4	126	5.87	19	21.92	155	13.14	3.09	1.2	1.1	16	3	97	.04	1	0.5	0.3	0	SER
		4	138	14.17	19	23.21	155	14.69	1.59	1.6	1.4	34	9	62	.14	3	0.2	0.3	0	SEC
		4	215	59.54	19	22.47	155	30.10	8.93		1.2	37	6	46	.10	4	0.3	0.6	0	KAO
		4	230	17.32	19	11.77	155	41.65	10.74		1.5	24	4	121	.12	10	0.6	1.0	0	LSW
		4	346	23.19	19	20.32	155	13.26	6.59			12	3	64	.05	4	0.5	1.6	0	SF2
		4	355	3.93	19	23.30	155	14.88	1.30		0.8	10	4	115	.08	2	0.2	1.2	0	SEC
		4	4 3	9.60	19	22.97	155	14.54	3.56	3.2	3.3	54	7	48	.11	3	0.3	0.3	0	SEC F
		4	4 6	24.37	19	22.93	155	14.58	3.00	1.7	1.7	19	6	116	.13	2	0.4	0.4	0	SEC
		4	412	9.42	19	23.19	155	14.72	2.58		1.0	11	5	125	.05	3	0.3	1.0	0	SEC
		4	429	41.58	19	22.88	155	14.43	2.68		0.5	7	3	150	.04	2	0.7	1.9	0	SEC
		4	429	57.76	19	20.81	155	14.56	3.63		0.6	9	2	219	.08	4	1.0	1.2	0	KOA
		4	444	59.22	19	22.77	155	14.35	2.94		0.8	16	6	129	.10	2	0.4	0.5	0	SEC
		4	618	3.13	19	23.05	155	14.71	3.51	1.9	1.5	19	6	70	.07	2	0.3	0.4	0	SEC
		4	631	40.31	19	23.02	155	14.51	3.18		1.0	15	5	117	.06	3	0.3	0.5	0	SEC
		4	7 5	50.62	19	21.10	155	15.29	1.55		0.9	14	3	104	.07	3	0.3	0.5	0	KOA
		4	727	14.79	19	20.75	155	7.02	5.54		0.8	10	2	174	.08	5	0.7	1.7	0	SF4
		4	745	53.52	19	15.39	155	32.92	8.85		1.5	32	5	61	.16	5	0.4	0.9	0	LSW
		4	754	46.94	19	22.91	155	14.81	3.13		1.1	19	5	86	.07	2	0.3	0.4	0	SEC
		4	8 1	38.56	19	22.66	155	13.99	3.48		0.8	12	5	134	.07	2	0.4	0.6	0	SEC
		4	950	47.87	19	22.85	155	14.44	3.39	1.4	1.4	23	6	78	.07	2	0.2	0.3	0	SEC
		4	1015	45.52	19	22.66	155	14.16	3.48	1.4	1.3	15	5	96	.03	2	0.3	0.4	0	SEC
		4	1121	16.36	19	21.04	155	14.81	2.16	2.1	1.3	29	5	68	.11	3	0.2	0.5	0	KOA
		4	13 9	9.30	19	22.76	155	14.39	3.27	1.4	1.3	21	7	84	.07	2	0.3	0.3	0	SEC
		4	15 4	8.06	19	21.16	155	15.01	2.24	1.5	1.3	19	5	109	.06	3	0.3	0.5	0	KOA
		4	1645	34.54	19	20.05	155	50.88	12.29		1.5	24	3	186	.11	8	0.7	0.3	0	KON
		4	18 2	58.37	19	22.37	155	14.78	1.70	2.2	1.6	28	6	74	.07	2	0.2	0.2	0	SEC
		4	2220	38.97	19	22.79	155	14.37	3.69	2.2	1.6	33	6	52	.09	2	0.3	0.3	0	SEC
		5	117	17.58	19	51.40	155	45.75	15.36	1.2	1.9	18	2	242	.10	11	3.0	1.0	0	HUA
		5	213	18.69	19	19.98	155	10.75	9.67	2.8	3.2	56	6	87	.11	4	0.4	0.4	0	SF3
		5	327	33.03	19	19.73	155	11.50	8.02	1.5	1.4	40	4	90	.10	5	0.4	0.7	0	SF3
		5	344	24.26	19	19.71	155	10.61	7.50		1.3	26	3	93	.05	5	0.4	0.8	0	SF3
		5	344	33.62	19	19.67	155	10.65	7.59	1.8	1.5	17	4	94	.03	5	0.4	1.1	0	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	5	1139	51.61	19	22.88	155	14.40	3.73	2.4	1.7	30	6	71	.07	2	0.3	0.3	0	SEC
		5	1144	46.65	19	22.63	155	14.34	3.32	1.4	1.3	17	5	83	.04	2	0.4	0.3	0	SEC
		5	1338	7.11	19	43.95	155	2.12	0.03	2.6	1.9	24	0	247	.12	3	1.3	1.4	0	HIL B*
		5	1716	56.03	19	23.23	155	14.89	3.25	1.5	1.3	16	4	83	.04	2	0.3	0.4	0	SEC
		5	1953	5.89	19	20.50	155	13.07	8.67	1.4	1.2	31	4	64	.06	4	0.4	0.6	0	SF2
		5	2154	14.46	19	23.23	155	14.86	3.30	3.1	3.1	56	7	47	.11	2	0.2	0.3	0	SEC
		5	2214	13.33	19	23.26	155	14.92	3.25	2.2	1.8	36	8	70	.10	2	0.3	0.3	0	SEC
		6	132	12.06	19	16.40	155	27.37	9.43	2.1	1.8	50	6	61	.13	5	0.3	0.5	0	LSW
		6	514	16.65	19	23.02	155	14.64	3.28	2.3	1.9	34	10	58	.09	2	0.2	0.3	0	SEC
		6	1535	21.46	19	44.99	155	2.41	7.65	2.6	1.7	16	0	206	.13	5	1.3	1.1	0	HIL B*
		6	1732	57.32	19	18.80	155	12.91	7.91		1.2	22	3	90	.09	3	0.5	1.0	0	SF2
		7	012	34.28	19	21.17	155	0.88	6.77	0.8	1.6	32	7	196	.11	20	0.8	0.9	0	SF5
		7	213	3.62	19	22.89	155	14.37	1.33	1.1	1.4	16	2	85	.07	2	0.3	0.4	0	SEC
		7	216	27.46	19	21.17	155	29.82	10.88		1.1	25	1	43	.10	5	0.4	1.0	0	KAO
		7	437	39.58	19	23.12	155	14.84	3.24	1.9	1.5	28	7	65	.07	2	0.3	0.3	0	SEC
		7	15 8	37.61	19	20.29	155	7.23	7.45	1.6	1.6	34	0	99	.09	6	0.4	0.8	0	SF4
		7	1854	43.44	19	22.86	155	14.44	3.58	1.6	1.5	20	3	78	.06	2	0.3	0.4	0	SEC
		7	2333	5.89	19	17.97	155	17.44	7.65		0.9	24	2	136	.08	2	0.4	0.6	0	SWR
		8	111	26.17	19	21.19	155	30.12	9.03		1.3	29	1	48	.08	5	0.3	0.7	0	KAO
		8	2030	25.69	19	22.91	155	14.39	3.46	1.6	1.4	19	6	100	.06	2	0.3	0.4	0	SEC
		8	2217	0.37	19	18.52	155	13.91	6.76	1.4	1.2	28	3	83	.08	3	0.4	0.8	0	SF2
		9	022	14.02	19	8.11	155	41.18	2.39	2.1	1.6	35	6	135	.14	14	0.4	0.9	0	LSW
		9	022	43.26	19	17.02	155	19.13	12.28	1.6	1.4	37	4	139	.10	2	0.5	0.7	0	SWR
		9	313	20.49	19	26.25	155	20.45	2.42	2.0	1.3	27	8	75	.11	3	0.3	0.5	0	KAO
		9	511	18.03	19	25.83	156	21.75	37.81	2.9	2.5	33	4	274	.10	55	2.0	2.7	0	DIS
		9	540	34.00	19	26.14	155	20.54	2.08	1.6	1.1	20	6	109	.10	3	0.3	0.6	0	KAO
		9	715	21.21	19	26.04	155	20.54	2.17	1.7	1.1	20	6	69	.10	3	0.3	0.6	0	KAO
		9	811	50.30	19	19.20	155	9.82	5.93		1.3	26	4	102	.08	5	0.4	1.0	0	SF3
		9	9 9	21.27	19	26.27	155	19.98	2.76	2.4	1.6	27	5	138	.14	3	0.3	0.5	0	KAO
		9	947	47.28	19	17.64	155	13.28	7.38	1.8	1.5	39	7	103	.10	1	0.5	0.7	0	SF2
		9	1736	27.47	19	4.87	156	20.71	40.47		1.6	26	5	314	.11	54	2.5	3.2	0	DIS
		9	20 0	0.24	19	22.79	155	14.16	3.43	1.1	1.1	14	4	129	.06	2	0.4	0.5	0	SEC
		9	2231	34.40	19	22.97	155	14.42	3.47	1.4	1.4	18	6	99	.06	2	0.3	0.4	0	SEC
		9	2314	15.75	19	22.99	155	14.50	3.34	1.6	1.5	21	8	96	.08	3	0.3	0.4	0	SEC
		10	154	26.97	19	20.31	155	8.82	7.72	1.5	1.6	36	5	70	.09	4	0.5	0.6	0	SF4
		10	157	56.81	19	19.70	155	4.19	43.88		1.7	46	6	157	.10	2	1.4	1.2	0	DEP
		10	215	48.01	19	19.61	155	12.17	8.15	1.8	1.8	39	5	87	.10	5	0.4	0.7	0	SF3
		10	1059	30.53	19	17.83	155	13.20	8.25	2.2	2.2	41	4	103	.11	2	0.4	0.6	0	SF2
		10	1234	29.49	19	22.83	155	3.12	6.14	1.7	1.5	14	1	115	.11	3	0.7	1.3	0	SF5
		10	16 7	55.74	19	18.26	155	18.72	11.19	1.5	1.2	37	6	62	.10	1	0.5	0.6	0	SWR
		11	134	46.06	19	30.05	155	29.20	4.39	2.1	1.5	35	11	67	.11	4	0.3	1.4	0	MLO
		11	234	42.36	19	19.84	155	8.85	8.03		1.4	32	5	77	.08	4	0.4	0.7	0	SF4
		11	1237	35.83	19	22.14	155	30.45	24.13	2.4	2.0	36	5	80	.09	5	0.5	0.8	0	DML
		11	13 8	0.39	19	30.27	156	9.22	11.77		2.0	20	3	287	.11	39	1.5	0.9	0	KON
		11	1832	32.77	19	20.05	155	13.11	7.47	1.4	1.2	28	4	68	.09	5	0.4	0.7	0	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	11	1914	51.95	19	25.94	155	14.70	20.77	1.6	1.5	46	9	115	.09	2	0.5	0.5	0	DEP
		11	2340	17.40	19	19.79	155	7.38	8.55		1.4	28	6	105	.08	5	0.4	0.7	0	SF4
		12	917	39.10	19	22.32	155	30.31	9.44	1.7	1.4	29	5	47	.05	5	0.3	0.7	0	KAO
		12	1152	31.10	19	20.43	155	13.38	7.92		1.1	19	4	62	.04	4	0.4	0.9	0	SF2
		12	13 8	32.45	19	19.14	155	8.80	6.53		1.4	22	4	90	.06	4	0.5	1.2	0	SF4
		12	1346	37.31	19	48.32	155	37.03	17.24		1.6	15	6	107	.15	8	0.8	1.5	0	KEA
		12	1350	7.98	19	19.51	155	6.97	7.18		1.4	21	3	120	.07	4	0.4	0.9	0	SF4
		12	1523	37.96	19	4.50	155	23.56	36.01	2.6	2.2	53	11	200	.09	12	0.8	0.8	0	LOI
		12	2218	54.95	19	20.35	155	11.40	6.25		1.2	26	2	79	.10	4	0.5	1.0	0	SF3
		12	2252	43.71	19	22.47	155	13.94	3.50	1.5	1.5	26	8	87	.06	1	0.2	0.3	0	SER
		13	433	38.29	19	43.81	156	11.03	11.24		1.8	19	5	310	.12	36	2.2	1.0	0	HUA
		13	1946	35.70	19	19.60	155	11.82	7.90	1.9	1.7	42	2	91	.09	6	0.4	0.6	0	SF3
		13	22 6	22.52	19	19.38	155	11.87	6.65	1.4	1.4	42	7	95	.10	5	0.4	0.7	0	SF3
		14	319	38.31	19	22.70	155	14.28	3.51	2.4	1.6	36	4	68	.10	2	0.3	0.3	0	SEC
		14	321	44.94	19	22.92	155	14.41	3.75	1.4	1.6	10	2	123	.04	2	0.4	0.6	0	SEC
		14	336	57.73	19	19.40	155	12.12	5.85		1.1	28	4	92	.09	5	0.4	1.1	0	SF3
		14	1435	58.56	19	22.88	155	14.59	3.23	1.6	1.4	17	3	93	.07	2	0.4	0.4	0	SEC
		14	1858	26.52	19	26.79	155	28.92	9.53	1.6	1.2	24	2	58	.06	7	0.4	1.2	0	KAO
		14	20 4	46.90	19	23.09	155	14.79	3.34	1.6	1.2	15	2	87	.04	2	0.3	0.5	0	SEC
		14	21 7	35.89	19	25.85	154	57.03	6.71		1.4	29	2	169	.11	3	0.8	0.5	0	LER
		15	545	36.28	19	18.87	155	12.81	8.37	1.8	1.7	41	1	91	.09	4	0.4	0.6	0	SF2
		15	630	22.84	19	25.36	155	29.20	9.91		1.0	21	0	64	.12	6	0.5	1.4	0	KAO
		15	646	52.68	19	30.54	155	22.73	7.76	1.4	1.1	29	4	91	.12	2	0.5	0.6	0	MLO
		15	1051	28.72	19	30.67	155	50.53	7.24	2.1	1.3	18	2	112	.12	8	0.7	0.9	0	KON
		15	1722	43.09	19	20.11	155	8.06	7.90	1.6	1.5	29	6	85	.06	5	0.3	0.5	0	SF4
		15	1833	18.05	19	20.48	155	13.35	7.96		1.2	26	2	62	.07	4	0.4	0.7	0	SF2
		15	22 7	25.52	19	28.55	155	28.08	5.55	1.6	1.2	24	3	68	.11	6	0.3	1.9	0	KAO
		15	2210	18.53	19	25.03	155	19.74	6.16	1.7	0.9	20	5	98	.08	2	0.4	0.8	0	KAO
		15	2248	55.17	19	23.95	155	29.27	8.98	1.6	1.4	30	4	40	.09	4	0.4	0.8	0	KAO
		16	544	54.78	19	19.72	155	13.19	6.24	1.7	1.9	19	1	98	.10	5	0.7	1.3	0	SF2
		16	658	33.97	19	23.13	155	14.76	3.00	1.8	1.5	24	10	88	.08	2	0.3	0.3	0	SEC
		16	1019	32.32	19	23.18	155	14.68	2.67	1.4	1.3	17	5	106	.08	3	0.3	0.4	0	SEC
		16	1152	30.17	19	19.68	155	7.81	5.96		1.3	24	7	97	.10	4	0.4	1.1	0	SF4
		16	1251	15.84	19	21.52	155	5.70	8.91	0.8	1.3	22	4	86	.08	5	0.5	0.8	0	SF4
		16	2053	6.16	19	25.62	155	30.72	10.24	2.1	1.6	43	8	36	.09	4	0.3	0.5	0	KAO
		16	2338	20.34	19	22.80	155	14.50	3.31	1.7	1.5	28	9	77	.09	2	0.3	0.3	0	SEC
		17	0 3	53.95	19	22.92	155	14.60	3.56	1.6	1.5	23	7	78	.08	2	0.3	0.3	0	SEC
		17	016	3.97	19	22.71	155	14.39	3.37	1.4	1.3	19	4	93	.09	2	0.3	0.4	0	SEC
		17	349	8.45	19	24.96	155	19.19	6.14	1.3	0.9	19	3	101	.08	2	0.5	0.9	0	KAO
		17	450	3.01	19	22.85	155	14.36	3.15	1.1	1.1	14	5	127	.05	2	0.4	0.5	0	SEC
		17	1043	40.24	19	20.26	155	3.61	7.43	2.3	2.4	41	3	117	.09	1	0.5	0.5	0	SF5
		17	1531	4.95	19	22.67	155	14.29	3.37	1.4	1.4	18	5	93	.05	2	0.3	0.3	0	SEC
		17	1737	6.98	19	23.26	155	14.74	3.11	1.4	1.4	17	6	103	.08	3	0.3	0.4	0	SEC
		17	2112	57.29	19	23.04	155	14.63	2.72	1.4	1.5	16	6	116	.09	3	0.4	0.5	0	SEC
		17	2311	0.96	19	12.67	156	21.03	34.54	1.7	2.4	44	2	281	.10	51	1.6	1.6	0	DIS

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	18	1 6	23.64	19	19.54	155	10.03	7.89	1.9	1.9	51	8	95	.11	5	0.4	0.5	0	SF3
		18	618	45.04	19	34.34	155	17.19	13.13	2.7	2.2	53	12	60	.12	14	0.3	0.5	0	DEP
		18	820	43.81	19	16.37	155	25.26	7.78	1.6	1.5	32	3	64	.15	4	0.4	1.0	0	LSW
		18	1519	43.67	19	14.41	155	21.65	5.97	1.6	1.4	24	4	154	.10	4	0.6	1.1	0	SWR
		19	023	37.02	19	22.24	155	10.76	2.95	1.4	1.1	22	3	93	.11	2	0.6	0.5	0	SER
		19	355	21.11	19	23.13	155	14.84	3.06	1.5	1.3	18	4	85	.06	2	0.3	0.4	0	SEC
		19	9 0	48.81	19	19.42	155	8.69	5.50		1.3	22	3	81	.08	4	0.4	1.0	0	SF4
		19	1725	42.90	19	19.24	155	9.75	7.38	2.0	1.9	34	7	100	.07	5	0.4	0.7	0	SF3
		20	111	3.00	19	27.35	155	51.04	8.11	2.1	1.6	21	3	111	.20	8	0.7	1.5	0	KON
		20	546	7.20	19	20.88	155	5.78	7.75	1.6	1.5	26	6	101	.11	5	0.5	0.6	0	SF4
		20	7 0	46.34	19	23.09	155	14.88	2.97	1.5	1.3	17	6	110	.07	2	0.3	0.4	0	SEC
		20	714	53.06	19	23.01	155	14.51	3.34	1.6	1.5	20	8	97	.07	3	0.3	0.4	0	SEC
		20	13 9	49.13	19	22.97	155	14.57	3.61	2.0	1.4	29	9	75	.08	3	0.3	0.3	0	SEC
		20	1426	13.15	19	20.59	155	13.08	7.18	1.7	1.5	36	2	63	.11	4	0.4	0.7	0	SF2
		20	17 5	40.58	19	23.35	155	27.18	10.33	1.6	1.3	31	2	38	.09	2	0.4	0.7	0	KAO
		20	2042	33.87	19	25.46	155	20.45	5.66	1.6	1.1	22	1	97	.10	4	0.4	1.0	0	KAO
		20	2246	18.69	19	21.58	155	6.75	7.35	0.8	1.1	18	1	81	.08	4	0.5	1.0	0	SF4
		21	037	29.17	19	26.88	155	28.53	8.65	1.6	1.3	29	1	44	.08	7	0.3	1.0	0	KAO
		21	1030	10.66	19	22.16	155	5.14	7.08	1.6	1.6	31	0	74	.09	4	0.4	0.7	0	SF5
		21	1122	54.18	19	24.00	155	18.68	6.39	1.8	0.8	12	1	73	.11	2	0.6	1.1	0	INT L
		21	2044	33.79	18	57.81	155	8.05	40.38	2.7	2.3	44	0	245	.10	36	1.5	2.2	0	LOI
		21	21 9	22.00	19	22.90	155	14.50	3.62	2.2	1.5	31	8	65	.08	3	0.3	0.3	0	SEC
		22	153	41.49	19	20.18	155	11.55	6.99	1.6	1.4	39	0	81	.12	5	0.4	0.8	0	SF3
		22	431	8.30	19	20.74	155	6.05	8.41	2.1	1.9	43	5	103	.10	6	0.4	0.4	0	SF4
		23	333	19.83	19	47.20	155	26.46	21.76	3.6	3.4	68	18	83	.11	2	0.4	1.1	0	KEA F
		23	1123	54.06	19	24.28	155	3.59	3.40		1.2	10	1	92	.12	1	0.6	0.4	0	SME
		23	1320	55.83	19	23.06	155	14.90	3.05	1.7	1.5	20	7	86	.08	2	0.3	0.4	0	SEC
		23	1811	39.46	19	19.70	155	11.66	7.91	1.5	1.5	33	5	90	.09	5	0.4	0.7	0	SF3
		24	050	24.24	19	25.19	155	39.83	5.49	1.9	1.1	17	4	217	.08	7	0.9	1.7	0	MLO
		24	114	45.80	19	20.07	155	11.41	6.94	1.4	1.4	41	6	84	.12	5	0.4	0.6	0	SF3
		24	435	44.27	19	20.38	155	10.76	8.66	1.5	1.5	33	5	80	.10	4	0.5	0.7	0	SF3
		24	619	1.92	19	24.84	155	19.20	5.65	2.0	1.4	32	7	62	.12	2	0.4	0.7	0	KAO
		24	646	38.38	19	25.00	155	19.14	5.00	1.6	1.1	24	4	103	.10	3	0.4	0.7	0	KAO
		24	833	20.08	19	24.90	155	19.11	6.61	2.1	1.5	26	5	99	.09	2	0.4	0.7	0	KAO
		24	1055	52.02	19	22.71	155	14.37	3.51	2.0	1.5	27	7	83	.07	2	0.3	0.3	0	SEC
		24	1220	3.44	19	22.79	155	14.43	3.51	2.0	1.5	26	7	83	.06	2	0.3	0.3	0	SEC
		24	1620	59.26	19	18.12	155	13.32	4.85		1.2	22	5	90	.07	2	0.4	1.0	0	SSF
		24	23 6	55.44	19	25.55	155	19.53	5.65	1.8	1.1	22	5	122	.11	3	0.4	0.9	0	KAO
		25	2 3	8.42	19	18.54	155	28.98	10.09		1.2	23	6	47	.11	7	0.4	0.8	0	LSW
		25	818	58.43	19	25.81	155	28.78	9.04		1.1	28	5	87	.11	6	0.4	0.9	0	KAO
		25	1715	37.83	19	12.40	155	31.94	13.20	2.5	2.1	43	6	83	.11	6	0.4	0.5	0	DLS
		25	1938	56.30	19	20.22	155	12.41	7.90	2.0	1.9	42	6	74	.11	5	0.4	0.6	0	SF2
		25	2053	19.13	19	19.74	155	11.32	8.52		1.1	22	4	91	.07	5	0.5	0.8	0	SF3
		26	1635	53.87	19	27.58	156	3.37	12.84		1.2	15	2	284	.14	31	2.1	1.6	0	KON
		27	031	37.28	19	21.16	155	7.95	9.06		1.3	25	5	128	.06	4	0.6	0.8	0	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAR	27	610	50.32	19	55.38	155	27.03	31.28		1.3	11	3	215	.06	12	1.2	1.6	0	KEA
		27	632	49.07	19	22.18	155	28.79	10.87	3.8	4.1	58	6	37	.12	2	0.3	0.4	0	KAO F
		27	2021	26.38	19	29.72	155	28.11	4.68	2.2	1.4	36	3	72	.11	4	0.3	1.6	0	KAO
		27	2149	0.40	19	26.01	155	20.02	5.08	2.1	1.0	14	0	126	.07	3	0.5	1.4	0	KAO
		27	2252	39.28	19	25.14	155	19.70	5.70	1.6	0.9	17	1	82	.07	3	0.5	1.6	0	KAO
		28	515	38.96	19	21.90	155	12.81	2.96	2.1	1.9	38	10	58	.09	1	0.3	0.2	0	SER
		28	6	4 38.84	19	24.78	155	19.55	4.45	2.1	1.3	27	7	77	.12	2	0.4	0.7	0	KAO
		28	625	58.35	19	23.36	155	14.91	3.03	1.6	1.3	14	1	73	.09	2	0.4	0.5	0	SEC
		28	727	27.41	19	23.11	155	14.78	3.38	2.0	1.6	22	3	68	.06	2	0.3	0.4	0	SEC
		28	1146	32.37	19	23.19	155	14.77	3.45		1.6	23	2	68	.06	2	0.3	0.3	0	SEC
		28	16	8 56.52	19	23.41	155	14.81	3.42	2.7	2.2	38	6	46	.08	3	0.3	0.3	0	SEC
		28	1642	36.54	19	23.17	155	14.85	2.69		1.5	16	2	107	.07	2	0.3	0.4	0	SEC
		28	1754	0.07	19	20.66	155	27.84	9.93		1.3	28	2	43	.11	3	0.4	0.8	0	KAO
		28	1845	58.03	19	22.25	155	10.80	3.04	0.8	1.3	25	5	92	.06	2	0.4	0.3	0	SER
		28	2025	50.84	19	23.34	155	14.72	3.27	0.8	1.4	24	5	82	.07	3	0.3	0.3	0	SEC
		28	2337	34.52	19	23.17	155	14.82	3.49	0.8	1.5	27	5	65	.08	2	0.3	0.3	0	SEC
		29	614	44.61	19	28.73	155	38.58	11.98	1.4	1.4	23	2	212	.10	5	1.5	0.9	0	MLO L
		29	641	10.36	19	29.02	155	42.10	27.64	1.2	1.4	5	1	308	.03	11	6.4	2.3	0	DML L
		29	730	58.36	19	23.19	155	14.98	3.09		1.5	16	1	70	.07	2	0.4	0.4	0	SEC
		29	8	9 52.40	19	15.13	155	25.23	8.25		1.1	20	3	79	.06	3	0.4	0.9	0	LSW
		29	9	6 3.44	19	23.05	155	14.66	3.28		1.5	24	6	72	.08	2	0.3	0.3	0	SEC
		29	1056	16.88	19	22.80	155	14.52	3.12	1.4	1.3	24	7	80	.09	2	0.3	0.3	0	SEC
		29	11	6 36.47	19	21.11	155	13.29	8.29	2.4	2.6	52	6	57	.13	3	0.4	0.4	0	SF2
		29	1524	15.96	19	21.96	155	8.83	3.59		1.1	19	3	112	.07	2	0.7	0.4	0	SER
		29	17	2 33.32	19	23.16	155	14.62	3.49	2.2	1.4	23	6	73	.06	3	0.3	0.3	0	SEC
		29	1743	56.16	19	23.12	155	14.82	2.72	1.1	1.1	18	6	112	.06	2	0.3	0.3	0	SEC
		29	1911	55.64	19	23.02	155	14.72	3.03	1.4	1.3	20	6	113	.05	2	0.3	0.3	0	SEC
		29	1912	56.18	19	23.17	155	14.63	3.23	1.6	1.4	14	3	111	.04	3	0.4	0.5	0	SEC
		30	1228	45.01	19	49.19	155	25.21	24.29	0.9	1.4	29	2	124	.10	6	1.0	1.5	0	KEA
		30	15	3 2.97	20	0.09	155	33.92	39.79		1.5	25	5	175	.07	19	0.8	1.0	0	KEA
		31	053	32.50	19	28.64	155	27.92	5.08	2.5	1.8	46	7	40	.13	6	0.3	1.4	0	KAO
		31	953	39.45	19	26.72	155	28.34	9.32	1.6	1.4	32	5	56	.09	6	0.3	0.9	0	KAO
		31	1229	4.51	19	23.05	155	14.58	3.53	2.3	1.5	34	8	74	.09	3	0.3	0.3	0	SEC
		31	1233	41.06	19	22.92	155	14.75	1.56	3.0	2.8	44	8	49	.13	2	0.2	0.3	0	SEC
		31	1255	54.87	20	3.18	155	24.05	11.83	2.3	1.7	12	3	329	.06	19	2.6	0.7	0	KEA
		31	1450	17.87	19	16.10	155	29.28	10.17		1.1	21	5	59	.13	2	0.4	1.1	0	LSW
		31	1559	39.21	19	53.79	155	25.53	29.93	2.8	2.2	49	7	149	.10	9	0.5	0.9	0	KEA
		31	1651	29.11	19	23.21	155	14.61	3.67	3.3	3.3	49	8	46	.11	3	0.3	0.4	0	SEC
	APR	1	2	3 37.11	19	22.42	155	20.78	9.63	2.0	1.3	26	3	72	.07	3	0.4	0.8	0	KAO
		1	714	47.25	19	10.58	155	37.19	6.35	2.5	2.1	41	2	98	.20	8	0.6	1.4	0	LSW
		1	1144	16.37	19	20.09	155	7.74	8.19		1.3	17	1	93	.05	5	0.6	1.3	0	SF4
		1	1457	59.27	19	18.70	155	11.23	5.95	1.6	1.5	27	3	119	.09	5	0.4	1.1	0	SF3
		1	17	1 49.42	19	22.81	155	14.47	3.54	2.2	1.4	28	7	77	.07	2	0.3	0.3	0	SEC
		1	2017	54.02	19	19.33	155	12.46	7.46	1.6	1.4	22	4	89	.07	5	0.4	0.9	0	SF2
		2	821	53.22	19	5.34	155	25.87	31.49		1.6	25	1	249	.09	8	1.8	1.5	0	DLS

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	APR	2	2111	44.74	19	22.16	155	29.06	10.38	2.9	2.9	50	5	35	.10	3	0.3	0.4	0	KAO
		3	351	27.95	19	19.75	155	28.19	10.65		1.2	21	5	60	.11	5	0.4	0.9	0	KAO
		3	439	41.45	19	22.78	155	14.33	3.28	1.7	1.4	17	6	129	.06	2	0.4	0.4	0	SEC
		3	457	20.57	19	24.33	155	14.67	0.75	1.5	1.3	10	2	110	.08	1	0.5	0.7	0	SEC L
		3	616	48.39	19	25.30	155	16.60	13.51	2.1	1.1	15	4	188	.06	1	1.5	0.8	0	DEP L
		3	1621	44.22	19	22.69	155	17.22	12.30	2.0	1.2	20	3	81	.12	1	0.9	1.0	0	INT L
		4	654	4.84	19	20.14	155	7.81	6.37	0.9	1.5	36	5	91	.10	5	0.4	0.8	0	SF4
		4	839	41.29	19	22.52	155	26.90	10.87	1.3	1.7	39	1	37	.11	1	0.4	0.7	0	KAO
		4	11	4 46.03	19	32.32	155	14.21	24.78	2.4	2.4	51	4	142	.10	9	0.6	0.9	0	DEP
		4	11	8 45.51	19	31.94	155	14.14	23.93	2.2	2.1	46	2	134	.10	9	0.6	0.9	0	DEP
		4	1459	24.45	19	28.42	155	26.78	8.39	2.5	1.8	41	2	40	.11	7	0.4	0.9	0	KAO
		4	2342	28.79	19	22.20	155	5.21	6.63	1.7	1.7	36	0	73	.12	4	0.5	0.8	0	SF5
		5	417	14.36	19	23.52	155	15.22	3.19	2.7	1.6	31	3	81	.09	2	0.3	0.3	0	SEC
		5	548	24.95	19	12.00	155	27.43	8.70	2.6	2.6	40	0	121	.15	5	0.6	0.7	0	LSW F
		5	617	15.86	19	19.19	155	15.27	8.49	2.2	2.2	42	2	90	.12	4	0.4	0.6	0	SF1
		5	10	6 44.31	19	18.56	155	48.34	10.64		1.4	25	1	166	.12	8	0.7	0.5	0	KON
		5	1837	39.91	19	27.52	155	50.82	7.94		1.4	25	4	122	.14	8	0.6	0.7	0	KON
		5	2225	1.19	19	24.39	155	16.46	8.80	1.7	1.0	16	2	155	.09	1	0.7	0.7	0	INT L
		6	851	19.96	19	24.17	155	17.48	1.53	1.6	1.0	9	2	111	.08	2	0.3	0.6	0	SSC L
		6	939	4.28	19	13.88	155	32.61	6.18		1.7	31	5	72	.16	5	0.5	1.1	0	LSW
		6	944	57.71	19	26.27	155	20.14	4.15		0.8	15	2	130	.08	3	0.4	0.8	0	KAO
		6	1143	45.39	19	13.34	155	23.08	35.01	2.0	1.8	44	7	154	.10	2	0.7	1.0	0	DEP
		6	1833	18.20	19	26.86	155	28.19	9.26	2.0	1.4	36	6	44	.09	6	0.3	0.8	0	KAO
		6	2021	20.90	19	17.65	155	30.13	9.83	2.0	1.5	31	5	69	.13	5	0.4	0.9	0	LSW
		6	21	7 57.30	19	44.38	155	43.10	47.62	1.6	1.7	43	8	193	.10	15	0.8	0.7	0	HUA
		6	2248	52.17	19	53.10	154	56.76	46.97	2.3	1.9	48	7	254	.11	24	1.0	1.1	0	KEA
		6	2326	13.68	19	2.14	155	21.91	34.42		1.2	33	5	228	.08	17	1.3	1.0	0	LOI
		7	113	51.99	19	23.39	155	15.11	2.86	1.8	1.5	22	6	78	.07	2	0.3	0.3	0	SEC
		7	120	16.42	19	20.09	155	7.64	6.44	1.7	1.4	30	3	95	.11	5	0.5	1.1	0	SF4
		7	2	6 59.86	19	23.86	155	26.02	8.34	2.6	2.4	48	7	32	.13	3	0.3	0.6	0	KAO
		7	1911	31.91	19	21.51	155	6.05	7.56		1.0	12	3	86	.08	4	0.6	1.3	0	SF4
		8	046	54.80	19	18.58	155	15.20	8.11	0.9	1.2	25	4	127	.06	4	0.5	0.8	0	SF1
		8	832	37.97	19	16.76	155	21.84	5.13		1.2	28	6	131	.10	6	0.4	1.7	0	SWR
		8	853	55.09	19	20.54	155	6.05	7.23	2.1	1.9	41	7	108	.11	6	0.4	0.6	0	SF4
		8	1124	48.08	19	10.23	155	32.81	6.39		1.6	24	5	113	.17	9	0.4	1.7	0	LSW
		8	1336	44.77	19	18.22	155	29.37	10.47		1.0	18	6	88	.11	6	0.5	1.0	0	LSW
		8	2044	53.27	19	24.67	155	19.74	6.66	1.6	1.9	30	6	71	.10	2	0.4	0.7	0	KAO
		8	2044	57.57	19	24.52	155	19.88	5.45	2.4	2.0	32	6	48	.11	2	0.3	0.7	0	KAO
		8	2059	31.25	19	24.67	155	19.68	6.86	1.6	1.1	24	3	60	.09	2	0.5	0.8	0	KAO
		8	2116	59.88	19	24.52	155	19.81	7.36	1.9	1.1	31	6	57	.10	2	0.4	0.7	0	KAO
		8	2257	44.37	20	1.99	155	21.23	7.44	2.5	2.5	43	7	213	.10	30	0.6	0.7	0	KEA
		9	447	52.00	19	57.28	155	35.78	9.26	2.4	2.4	30	4	149	.13	24	0.5	0.6	0	KOH F
		9	739	6.68	19	22.69	155	26.59	10.17	1.9	1.5	33	4	44	.10	2	0.4	0.6	0	KAO
		9	932	24.91	19	17.16	155	48.28	9.95	2.0	1.4	22	2	142	.12	7	0.7	0.5	0	KON
		9	11	2 57.81	19	21.78	155	5.09	7.74	1.7	1.7	33	5	80	.11	5	0.4	0.6	0	SF5

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	APR	9	1215	37.25	19	22.69	155	3.91	3.44	1.4	1.1	13	3	109	.10	3	0.4	0.7	0	SSF
		9	1245	58.02	19	58.93	155	34.85	11.97	2.5	2.5	26	2	163	.14	16	0.6	0.5	0	KOH
		9	1442	2.78	19	25.63	155	51.54	14.10	2.4	1.5	21	2	133	.11	9	0.7	0.5	0	KON
		9	1926	23.16	19	9.99	155	40.83	11.35		1.6	23	7	207	.11	11	0.7	1.0	0	LSW
		9	1926	36.74	19	8.92	155	41.00	3.48	2.0	1.6	12	3	130	.10	13	0.4	1.6	0	LSW
		9	1930	16.51	19	18.89	155	11.19	6.48	1.6	1.3	31	5	113	.07	5	0.4	0.9	0	SF3
		9	2050	11.09	19	10.01	155	41.31	2.79	2.3	2.0	39	4	127	.17	12	0.6	1.6	0	LSW F
		9	2254	46.85	19	8.79	155	34.82	1.80		1.4	30	2	123	.16	12	0.8	1.3	0	LSW
		9	2345	26.75	19	57.49	155	35.26	10.64	3.1	3.3	54	9	152	.17	13	0.4	0.4	0	KOH F
		9	2350	55.88	19	58.46	155	35.48	11.28	2.7	2.3	31	3	157	.14	15	0.5	0.5	0	KOH
		10	010	45.84	19	24.67	155	19.80	6.04	1.8	1.1	25	6	86	.08	2	0.4	0.7	0	KAO
		10	011	46.22	19	24.59	155	19.91	5.69	2.0	1.2	23	7	82	.08	2	0.4	0.8	0	KAO
		10	015	54.77	20	1.58	155	22.44	13.09		1.5	14	4	271	.07	16	1.3	0.5	0	KEA
		10	128	14.56	19	53.59	155	34.05	3.83		1.6	14	1	201	.07	10	0.9	3.6	0	KEA
		10	158	57.31	19	21.06	155	8.52	7.91	1.6	1.4	40	5	69	.12	3	0.5	0.5	0	SF4
		10	1740	16.28	19	23.17	155	30.54	9.79	2.8	3.1	50	11	39	.08	5	0.2	0.5	0	KAO
		10	1949	2.12	20	0.47	155	36.84	8.97		1.6	22	3	198	.08	22	1.0	1.0	0	KOH
		10	1953	36.29	20	7.92	156	31.12	36.64	3.2	2.5	38	3	305	.14	77	1.6	2.2	0	DIS
		10	2323	0.51	19	24.61	155	19.49	6.92	2.1	1.2	33	3	59	.10	2	0.4	0.7	0	KAO
		11	712	45.57	19	25.04	155	19.47	6.11	2.1	1.1	25	6	117	.09	3	0.4	0.8	0	KAO
		11	939	53.18	19	18.31	155	13.07	10.37	3.3	3.5	50	7	132	.10	8	0.4	0.3	0	SF2
		11	1037	53.57	19	17.73	155	13.23	7.95	1.6	1.4	24	5	105	.08	1	0.5	1.0	0	SF2
		11	1418	43.40	19	19.52	155	11.82	8.34	1.9	1.7	26	3	92	.09	5	0.5	1.0	0	SF3
		11	19 7	42.16	19	20.95	155	3.77	7.44	2.3	2.5	45	4	86	.10	2	0.4	0.4	0	SF5
		11	2027	42.27	19	6.96	155	38.22	7.12	3.0	3.1	43	5	117	.16	15	0.5	1.1	0	LSW F
		12	1030	40.22	19	24.67	155	19.63	6.43	1.8	1.0	19	5	87	.08	2	0.4	1.0	0	KAO
		12	1159	54.88	19	29.41	155	27.87	5.89	2.2	1.3	34	3	69	.10	5	0.3	1.2	0	KAO
		12	1553	51.35	19	18.24	155	15.38	8.67	1.9	1.5	36	5	121	.09	4	0.4	0.5	0	SF1
		12	1659	20.05	19	25.18	155	19.76	6.24	2.7	1.6	35	8	46	.12	3	0.4	0.8	0	KAO
		13	413	14.09	19	22.11	155	24.85	13.28	2.1	1.7	44	6	51	.09	4	0.4	0.5	0	DML
		13	1128	54.44	20	0.29	155	15.96	13.67		1.5	9	2	335	.06	15	3.3	0.6	0	KEA
		13	1250	2.63	19	26.83	155	46.72	9.75	2.6	2.0	34	5	83	.14	7	0.4	0.8	0	KON
		13	1912	24.52	19	14.87	155	6.92	44.38		1.7	33	3	224	.08	5	1.5	1.0	0	DEP
		13	2345	15.01	19	15.24	155	29.44	11.78	1.8	1.4	22	5	92	.13	1	0.4	1.1	0	LSW
		14	058	46.80	20	1.62	155	22.80	12.32	0.9	1.7	13	5	239	.09	16	1.1	0.6	0	KEA
		14	149	33.81	19	19.27	155	8.80	9.11		1.2	20	3	86	.08	4	0.6	0.9	0	SF4
		14	1243	16.13	19	23.37	155	30.31	10.14		1.3	29	5	46	.06	5	0.4	0.7	0	KAO
		14	1418	31.61	19	28.28	155	25.18	9.89	2.3	1.6	40	10	73	.10	4	0.3	0.6	0	KAO
		14	18 7	35.33	19	26.17	155	43.76	9.83	1.9	1.5	19	2	263	.10	11	1.4	1.0	0	KON
		14	1821	50.90	19	23.13	155	29.65	10.07	2.5	2.7	47	5	35	.09	4	0.3	0.5	0	KAO
		14	23 7	17.54	18	48.16	155	9.83	20.07		1.6	17	6	306	.10	51	1.3	11.9	0	LOI -
		15	114	28.28	19	21.86	155	28.01	9.05	2.3	1.7	48	9	40	.12	1	0.3	0.6	0	KAO
		15	723	18.32	19	50.35	156	2.97	42.50		1.7	35	4	282	.09	28	1.5	1.1	0	HUA
		15	1119	44.10	19	20.96	155	10.95	8.60	2.7	2.6	46	10	71	.10	3	0.4	0.5	0	SF3
		15	1440	38.64	19	19.20	155	8.71	6.20	1.6	1.6	30	4	87	.07	4	0.4	0.8	0	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	APR	15	17 4	34.58	19	21.94	155	5.36	7.16	1.7	1.6	35	5	78	.11	5	0.4	0.6	0	SF4
		15	1727	51.86	19	20.29	155	8.25	7.90		1.2	19	4	80	.06	4	0.5	0.8	0	SF4
		15	1811	3.05	19	23.23	155	29.68	10.27	1.7	1.4	31	5	39	.07	4	0.4	0.7	0	KAO
		15	2036	54.30	19	21.91	155	24.79	12.71	1.6	1.0	23	6	65	.08	4	0.5	0.8	0	SWR
		15	2048	26.73	19	21.80	155	24.75	13.28		1.1	30	6	44	.08	4	0.5	0.6	0	DEP
		15	2115	48.68	19	21.92	155	24.76	13.40	2.1	1.6	43	7	33	.09	4	0.4	0.4	0	DEP
		15	2141	48.59	19	16.17	155	25.39	9.19	1.7	1.6	31	4	59	.11	4	0.4	0.7	0	LSW
		15	2316	48.23	19	15.61	155	29.41	10.74	1.8	1.3	19	4	82	.14	2	0.5	1.0	0	LSW
		16	1652	39.36	19	19.60	155	12.33	7.74	1.6	1.3	28	5	85	.07	5	0.4	0.7	0	SF2
		16	1746	59.83	19	37.44	155	48.70	16.02	2.6	2.0	32	8	259	.14	14	1.0	0.8	0	KON
		16	2036	4.45	19	27.59	155	25.85	9.24	2.3	1.4	36	6	51	.10	5	0.3	0.7	0	KAO
		16	2041	19.03	19	18.38	155	13.22	3.73		1.1	15	4	89	.07	3	0.5	1.0	0	SSF
		17	337	58.51	19	18.50	155	13.09	7.92	0.9	1.3	30	6	91	.09	3	0.4	0.6	0	SF2
		17	517	46.97	19	21.19	155	5.87	6.59	1.7	1.7	33	4	94	.12	5	0.4	0.8	0	SF4
		17	733	59.36	19	21.69	155	30.05	10.88	2.6	2.7	49	5	33	.08	5	0.3	0.5	0	KAO
		17	746	56.01	19	21.54	155	30.15	10.10		1.2	23	4	52	.07	5	0.4	0.7	0	KAO
		17	1316	5.90	19	18.35	155	13.37	6.88	2.0	1.8	33	5	83	.10	2	0.4	0.8	0	SF2
		17	1320	1.69	19	18.15	155	13.17	6.96	1.6	1.6	28	5	95	.08	2	0.4	0.8	0	SF2
		17	19 4	28.76	19	24.53	155	1.38	6.49	1.9	1.8	41	3	122	.15	5	0.4	0.7	0	SF5
		17	1952	20.66	19	19.54	154	46.01	43.63	2.3	2.1	49	3	278	.11	17	2.4	1.9	0	LER
		18	833	29.46	19	21.24	155	7.68	5.85	1.6	1.6	38	3	78	.11	4	0.4	0.7	0	SF4
		18	1029	1.87	19	19.76	155	12.99	7.53	1.5	1.3	24	1	74	.11	5	0.5	1.1	0	SF2
		18	2226	26.67	19	40.24	157	37.16	15.28	3.7	3.4	43	8	325	.13	188	7.3	13.3	0	DIS -
		18	2235	47.39	19	23.05	155	14.99	3.29	2.1	1.4	19	5	67	.07	2	0.3	0.3	0	SEC
		19	438	25.98	19	23.61	155	15.02	3.52	2.3	1.6	16	5	94	.05	2	0.3	0.4	0	SEC
		19	1736	12.89	19	26.71	155	30.29	10.88	2.5	3.0	50	11	40	.10	6	0.3	0.5	0	KAO
		20	115	34.86	19	49.04	155	23.92	26.85	1.2	1.3	20	5	115	.10	7	0.7	1.1	0	KEA
		20	756	42.13	19	23.83	155	27.71	6.52	1.9	1.5	34	5	34	.12	2	0.3	0.7	0	KAO
		20	912	58.32	19	59.55	155	21.73	11.49	0.9	1.6	14	3	274	.08	12	1.4	0.7	0	KEA
		20	1135	10.40	19	24.52	155	18.02	3.54		1.1	19	5	62	.09	2	0.5	0.4	0	SSC
		20	1431	50.76	19	22.10	155	13.03	3.32	1.4	1.2	16	6	95	.08	1	0.4	0.3	0	SER
		21	034	19.66	19	29.34	155	26.91	5.12	2.1	1.4	35	8	83	.12	5	0.3	1.5	0	KAO
		21	2 6	41.51	19	7.46	155	32.27	44.71	2.5	1.7	16	2	266	.13	9	3.2	1.6	0	DLS
		21	430	20.97	19	22.83	155	14.52	3.51	2.3	1.5	36	8	49	.09	3	0.3	0.3	0	SEC
		21	453	41.80	19	22.89	155	14.51	3.47	2.0	1.3	31	8	54	.07	3	0.3	0.3	0	SEC
		21	614	24.34	19	23.02	155	10.68	1.95	1.5	1.1	11	3	141	.09	2	1.1	1.1	0	SER
		21	1157	29.44	19	19.55	155	7.12	6.85	1.7	1.5	33	5	116	.09	4	0.4	0.8	0	SF4
		21	1347	14.52	19	26.36	155	29.17	9.61		1.2	27	5	46	.10	7	0.4	0.9	0	KAO
		21	1437	22.12	19	24.53	155	19.57	6.29	2.2	1.7	36	8	40	.10	2	0.3	0.7	0	KAO
		21	1527	47.34	19	19.53	155	7.07	7.48	2.0	2.0	42	7	117	.10	4	0.5	0.7	0	SF4
		21	1922	48.63	19	24.59	155	19.60	6.09	1.9	1.4	30	6	85	.11	2	0.4	0.7	0	KAO
		21	2023	47.65	19	24.68	155	19.61	5.67	2.0	1.4	28	3	70	.09	2	0.3	0.7	0	KAO
		21	2024	24.49	19	24.64	155	19.63	5.91	1.6	1.0	21	2	86	.08	2	0.4	0.8	0	KAO
		21	2027	15.18	19	24.61	155	19.54	6.76	2.0	1.4	35	6	58	.11	2	0.4	0.7	0	KAO
		22	156	4.52	19	0.80	156	2.06	16.75		2.0	23	5	278	.09	33	1.5	13.9	0	KON -

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	APR	22	651	52.73	19	24.92	155	19.65	3.44	2.3	1.4	27	6	79	.08	2	0.3	0.5	0	KAO
		22	1046	17.65	19	24.97	155	19.53	4.25	1.9	1.1	23	6	79	.10	2	0.4	0.6	0	KAO
		22	12 0	2.37	19	20.46	155	10.69	8.98	1.6	1.4	29	6	78	.06	3	0.4	0.6	0	SF3
		22	1259	42.71	19	10.38	155	33.68	32.80	2.0	1.8	33	7	109	.09	10	0.6	0.9	0	DLS
		22	1433	7.44	19	24.86	155	19.54	3.79	2.4	1.4	24	4	108	.08	2	0.3	0.5	0	KAO
		22	1848	37.02	19	26.95	155	29.92	10.13	2.6	2.3	51	10	43	.10	9	0.3	0.6	0	KAO
		23	250	18.19	19	27.56	155	36.89	11.82	2.1	1.2	25	5	174	.12	1	0.7	0.6	0	MLO
		23	450	55.69	19	19.07	155	14.98	7.74	1.5	1.4	28	4	108	.08	5	0.4	0.8	0	SF1
		23	6 8	11.13	19	24.32	155	16.68	1.85	1.9	1.1	16	5	107	.09	1	0.3	0.2	0	SSC
		23	1421	49.51	19	22.00	155	11.05	2.61	2.4	1.6	28	5	116	.08	2	0.3	0.4	0	SER
		23	1842	3.45	19	21.69	155	30.13	9.88	2.0	1.5	34	6	46	.06	5	0.3	0.7	0	KAO
		23	20 7	37.09	19	27.57	154	53.38	5.02	1.9	1.6	32	4	136	.11	3	0.4	1.0	0	LER
		24	158	58.83	19	21.39	155	17.04	31.37	2.2	1.8	42	7	53	.10	2	0.6	1.0	0	DEP
		24	453	44.57	19	24.88	155	21.92	9.91	1.8	1.1	26	4	60	.08	4	0.4	0.7	0	KAO
		24	814	10.21	19	22.81	155	14.64	3.04	2.4	1.6	27	8	73	.07	2	0.3	0.3	0	SEC
		24	15 8	34.14	19	25.60	155	27.36	8.87	2.2	1.7	42	2	30	.11	4	0.3	0.8	0	KAO
		24	21 5	26.01	19	18.19	155	14.92	6.34	0.9	1.3	30	2	105	.10	3	0.5	0.9	0	SF1
		25	042	12.67	19	20.44	155	7.56	7.24	1.7	1.6	27	1	127	.10	5	0.6	0.8	0	SF4
		25	1035	59.43	19	25.96	155	20.29	7.26	1.8	1.1	21	3	115	.10	3	0.5	1.1	0	KAO
		25	2025	46.82	19	11.00	156	20.82	39.60	2.9	2.5	40	2	282	.10	51	1.5	1.3	0	DIS
		25	2048	46.41	19	25.65	155	17.30	11.02	2.3	1.3	12	3	185	.11	1	1.8	1.0	0	INT L
		25	2110	2.12	19	20.37	155	11.51	8.58	1.6	1.5	20	4	78	.05	4	0.5	1.0	0	SF3
		26	9 8	45.77	19	25.31	155	14.52	8.99	2.2	1.4	11	4	293	.08	4	2.0	0.9	0	INT L
		26	1049	22.89	19	23.07	155	14.98	2.90	1.6	1.3	11	3	264	.08	2	1.5	0.4	0	SEC
		26	12 9	44.46	19	23.20	155	17.35	12.87	2.2	1.1	11	3	163	.07	1	2.7	0.9	0	INT L
		26	1732	13.38	19	12.75	155	11.43	33.61	2.0	1.8	33	2	211	.08	9	1.0	1.6	0	DEP
		26	2040	48.62	19	29.04	155	16.25	31.92	1.9	1.4	35	8	155	.08	2	0.8	0.7	0	DEP
		27	020	30.38	19	20.67	155	23.28	8.89	1.6	1.2	23	4	62	.08	1	0.5	0.8	0	SWR
		27	18 6	10.20	19	27.45	155	29.53	9.68	1.7	1.2	32	8	48	.09	8	0.4	0.8	0	KAO
		27	2329	32.06	19	16.45	155	25.67	9.97		1.3	25	4	109	.10	5	0.4	0.9	0	LSW
		28	258	7.48	19	19.54	155	8.78	6.91	2.0	1.8	41	6	81	.12	4	0.4	0.6	0	SF4
		28	556	19.63	19	25.03	155	19.26	5.42	2.5	1.6	37	8	68	.11	3	0.3	0.7	0	KAO
		28	558	57.46	19	24.97	155	19.60	4.14	1.8	1.0	19	4	65	.08	2	0.3	0.7	0	KAO
		28	6 2	3.00	19	24.95	155	19.42	5.17	1.8	1.0	23	5	99	.09	2	0.4	0.7	0	KAO
		28	657	22.06	18	56.99	155	28.53	34.80		1.6	35	5	235	.09	20	1.1	1.4	0	DLS
		28	749	16.12	19	22.22	155	4.97	6.48	0.8	1.5	21	4	77	.11	4	0.4	0.7	0	SF5
		28	11 0	46.22	19	25.37	155	19.88	6.77	2.3	1.5	30	4	108	.11	3	0.4	0.8	0	KAO
		28	1232	54.58	19	19.27	155	12.07	5.62	1.6	1.4	28	5	95	.10	5	0.4	1.2	0	SF3
		29	0 9	40.76	19	27.51	155	21.20	2.46	2.0	1.3	28	7	119	.12	1	0.4	0.3	0	KAO
		29	012	10.51	19	27.85	155	20.93	2.73	2.1	1.3	26	7	169	.11	1	0.5	0.3	0	KAO
		29	744	52.72	19	26.13	155	19.28	5.70	2.1	1.2	23	6	156	.10	3	0.5	0.8	0	KAO
		29	930	15.61	19	15.09	155	27.08	7.97		1.4	22	5	84	.12	5	0.5	1.0	0	LSW
		29	1822	14.49	19	10.83	155	36.90	8.75	2.2	1.8	42	7	96	.21	8	0.8	1.2	0	LSW
		30	6 6	46.29	19	15.90	155	27.68	10.08		1.2	23	5	97	.11	5	0.5	0.9	0	LSW
		30	732	52.63	19	19.05	155	10.06	5.63	1.8	1.7	36	7	108	.10	5	0.3	1.0	0	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAY	1	2011	40.66	18	49.10	155	13.07	49.62		1.4	28	0	284	.08	46	4.8	4.5	0	LOI
		2	351	39.48	19	21.36	155	4.73	7.95	2.0	1.9	42	2	88	.09	4	0.4	0.5	0	SF5
		2	727	10.46	19	24.42	155	16.61	1.34	2.2	1.3	17	4	120	.11	1	0.3	0.3	0	SSC
		2	949	48.00	19	59.74	155	20.70	13.13	2.2	1.9	21	2	208	.09	12	1.1	0.5	0	KEA
		2	1116	19.67	19	28.36	155	25.00	2.15	2.0	1.1	24	5	74	.11	4	0.3	0.7	0	KAO
		2	1132	19.62	19	20.20	155	10.43	33.34	2.2	2.2	46	2	83	.12	4	0.7	1.3	0	DEP
		2	1359	28.12	19	22.72	155	14.47	3.41	1.9	1.4	17	2	77	.06	2	0.3	0.3	0	SEC
		2	14 0	56.20	19	22.86	155	14.55	3.43	1.9	1.4	19	2	75	.06	3	0.3	0.3	0	SEC
		2	1938	32.30	19	23.38	155	16.93	2.95	2.2	1.5	28	7	40	.10	0	0.3	0.3	0	SSC
		2	2046	40.38	19	19.54	155	8.48	9.42	3.0	3.3	48	9	81	.10	4	0.3	0.4	0	SF4
		3	343	8.94	19	22.76	155	14.43	3.55	2.0	1.4	30	6	78	.09	2	0.3	0.3	0	SEC
		3	1038	22.27	19	23.09	155	14.84	3.12	2.6	1.7	30	7	66	.10	2	0.3	0.3	0	SEC
		4	1 8	33.86	19	12.47	155	17.64	35.61		1.0	17	1	213	.10	10	1.5	2.5	0	DEP
		4	110	20.93	19	12.67	155	15.80	45.17		1.2	24	4	225	.10	9	1.5	1.1	0	DEP
		4	111	21.97	19	12.77	155	15.46	48.25		1.4	25	4	197	.09	9	1.3	1.1	0	DEP
		4	349	46.12	19	23.06	155	14.59	3.72	2.4	1.9	48	8	49	.10	3	0.3	0.3	0	SEC
		4	4 4	37.33	19	23.67	155	16.86	2.93	1.7	1.2	23	7	52	.09	1	0.3	0.2	0	SSC
		4	757	21.39	19	19.47	155	11.71	8.19	1.6	1.6	30	4	95	.10	5	0.5	0.9	0	SF3
		4	855	27.02	19	23.37	155	14.97	3.54	2.6	1.4	24	5	74	.08	2	0.3	0.4	0	SEC
		4	1124	58.42	19	17.33	155	13.24	6.07		1.2	30	6	127	.10	1	0.5	0.8	0	SF2
		4	1129	27.73	19	21.77	155	11.34	3.17	1.8	1.4	20	6	110	.07	3	0.3	0.4	0	SER
		4	1240	54.36	19	23.06	155	15.00	3.25	1.6	1.0	18	5	113	.09	2	0.4	0.4	0	SEC
		4	1356	29.13	19	22.86	155	14.85	3.02	2.1	1.7	27	8	68	.10	2	0.3	0.3	0	SEC
		4	1854	57.96	19	23.24	155	14.76	2.88	1.7	1.3	20	6	108	.09	3	0.3	0.4	0	SEC
		4	2134	2.10	19	27.39	155	25.90	4.20	0.9	1.1	26	5	63	.12	4	0.4	1.3	0	KAO
		4	22 1	24.00	19	18.89	155	13.76	7.30		1.2	28	2	88	.09	3	0.4	0.9	0	SF2
		4	2213	42.12	19	18.78	155	13.68	10.15	3.8	3.9	53	3	69	.11	3	0.4	0.4	0	SF2 F
		4	2338	44.46	19	23.30	155	14.93	3.05	2.8	1.7	39	9	47	.10	2	0.3	0.3	0	SEC
		5	1 7	26.29	19	10.60	155	33.56	8.97	2.4	2.3	36	2	107	.11	10	0.5	1.1	0	LSW
		5	1159	18.38	19	25.94	155	30.10	9.64	2.2	1.8	38	7	41	.10	8	0.3	0.6	0	KAO
		5	1811	46.15	19	26.25	155	29.30	9.89	1.7	1.3	32	7	42	.10	7	0.4	0.9	0	KAO
		6	231	57.44	19	19.30	155	8.95	8.90		1.4	35	4	88	.10	4	0.5	0.7	0	SF4
		6	256	29.89	19	10.55	155	16.34	40.94		1.3	17	2	216	.09	13	2.3	1.9	0	DEP
		6	454	45.73	19	26.95	155	50.86	5.09	2.5	2.1	34	3	114	.12	9	0.4	1.2	0	KON
		6	459	25.21	19	23.39	155	14.85	2.84	1.7	1.5	20	7	102	.07	3	0.3	0.3	0	SEC
		6	742	45.74	19	21.32	155	18.79	4.03	2.0	1.6	32	4	46	.12	3	0.4	1.0	0	SWR
		6	753	24.22	19	24.22	155	2.92	3.69	2.0	1.5	32	5	104	.10	2	0.4	0.5	0	SME
		6	1114	11.32	19	24.10	155	29.66	9.86	1.7	1.4	31	3	42	.09	5	0.4	0.6	0	KAO
		6	1422	13.56	19	19.04	155	13.42	4.39	1.8	1.4	29	5	74	.11	4	0.4	1.5	0	SSF
		6	1632	28.96	19	19.53	155	13.47	8.15	3.1	3.2	61	9	67	.14	5	0.4	0.5	0	SF2
		6	1638	23.41	19	24.95	155	19.12	5.61	2.1	1.4	28	5	68	.11	3	0.4	0.8	0	KAO
		6	1848	39.79	19	28.85	155	30.70	22.73	2.1	1.6	37	8	58	.09	8	0.5	0.9	0	DML
		7	356	16.67	19	12.01	155	26.47	43.72		1.5	37	4	141	.09	5	0.8	1.4	0	DLS
		7	658	50.30	19	55.68	155	16.55	42.67	2.2	1.9	44	4	201	.13	8	0.8	1.3	0	KEA
		7	1838	33.82	19	21.51	155	6.32	8.88	2.8	2.8	52	6	85	.12	4	0.4	0.3	0	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAY	8	928	16.40	19	24.79	155	29.83	8.17	1.7	1.5	39	6	35	.10	5	0.3	0.8	0	KAO
		8	12 3	39.33	19	20.16	155	13.00	6.17	1.5	1.3	32	4	68	.13	5	0.4	1.0	0	SF2
		9	1 1	15.61	19	6.87	155	37.83	16.53		1.5	15	3	120	.10	15	0.9	1.2	0	DLS
		9	1 7	33.69	19	9.64	155	36.45	2.87	1.6	1.8	34	2	107	.15	10	0.5	2.5	0	LSW
		9	145	53.65	19	24.24	155	17.43	1.43	1.7	0.9	10	3	105	.07	1	0.4	0.3	0	SSC
		9	241	56.05	19	9.19	155	36.21	0.82		1.5	24	2	112	.20	11	0.7	1.9	0	LSW
		9	16 5	9.97	19	54.06	155	45.85	41.45	1.4	1.7	41	5	252	.08	25	1.0	0.9	0	HUA
		10	3 0	16.36	19	55.54	155	30.24	30.18	2.5	1.6	37	7	217	.08	17	0.7	1.3	0	KEA
		10	810	26.79	19	26.81	155	15.24	0.33	2.0	1.1	10	3	235	.06	5	0.4	0.6	0	SNC
		10	1020	19.71	19	21.78	155	15.58	25.20	2.1	1.5	45	12	61	.11	1	0.6	0.8	0	DEP
		10	2029	41.35	19	23.28	155	3.11	8.18	1.7	1.7	30	4	111	.11	3	0.4	0.5	0	SF5
		11	113	23.28	19	24.93	155	29.28	10.26	2.3	2.0	38	6	34	.08	5	0.3	0.6	0	KAO
		11	723	29.15	19	26.15	155	22.38	8.49	1.5	1.0	16	2	68	.06	4	0.5	1.1	0	KAO
		11	755	45.92	19	23.33	155	25.27	11.22	1.6	1.4	30	6	38	.10	4	0.4	0.8	0	KAO
		11	1041	53.20	19	12.61	155	27.57	2.16	2.2	2.2	33	2	111	.14	6	0.3	1.8	0	LSW
		11	1056	23.27	19	25.77	155	19.12	7.27	2.3	1.3	27	6	141	.11	3	0.4	0.7	0	KAO
		11	1414	45.06	19	25.72	155	19.20	7.13	2.0	1.0	23	6	138	.10	3	0.5	0.7	0	KAO
		11	18 1	58.42	19	18.24	155	13.23	8.06	2.2	2.0	37	5	91	.11	2	0.4	0.8	0	SF2
		11	1950	48.07	19	27.11	155	29.52	10.15	2.0	1.7	31	4	46	.11	8	0.4	0.9	0	KAO
		12	4 8	38.65	19	25.31	155	30.17	11.58	2.1	1.5	33	6	38	.08	5	0.4	0.8	0	KAO
		12	521	19.67	19	20.20	155	7.86	8.29	1.7	1.6	25	2	89	.06	5	0.5	0.9	0	SF4
		12	1510	14.73	19	19.82	155	7.16	7.82	1.7	1.6	30	6	109	.09	5	0.4	0.7	0	SF4
		12	2231	22.81	19	26.16	155	18.83	7.04	2.1	1.7	34	8	94	.10	3	0.4	0.5	0	INT
		13	1547	25.26	19	19.79	155	11.32	8.71	1.6	1.5	28	4	90	.07	5	0.5	0.9	0	SF3
		13	1555	30.83	19	26.95	155	19.11	8.21	2.3	1.1	20	5	181	.08	4	0.5	0.7	0	KAO
		14	452	17.16	19	32.51	155	0.85	43.38	3.2	2.9	56	12	99	.11	7	0.6	0.8	0	HIL
		14	842	48.26	19	49.40	155	34.68	8.96	1.7	1.6	24	0	203	.12	9	1.0	0.7	0	KEA
		14	949	17.71	19	20.21	155	11.47	7.92		1.3	28	5	81	.08	4	0.5	0.8	0	SF3
		14	1448	55.72	19	19.59	155	12.71	8.01	1.6	1.2	22	4	80	.05	5	0.5	0.9	0	SF2
		14	2352	5.26	19	24.95	155	51.56	18.83		1.3	15	4	238	.12	14	1.5	1.5	0	KON
		14	2353	45.26	19	24.28	155	52.38	18.27	2.6	1.9	27	4	211	.10	16	1.1	1.5	0	KON
		15	826	53.93	19	19.24	155	11.74	7.63	2.2	2.0	34	5	100	.09	5	0.4	0.8	0	SF3
		15	835	50.88	19	19.36	155	11.78	7.93	1.9	1.5	28	3	96	.07	5	0.4	0.8	0	SF3
		15	938	8.59	19	16.41	155	24.41	10.22		1.0	11	4	96	.08	4	0.7	1.3	0	SWR
		15	956	19.94	19	19.63	155	11.63	7.94		1.5	25	3	91	.06	5	0.4	0.9	0	SF3
		15	1222	38.57	19	16.31	155	13.33	4.80	1.6	1.3	24	5	181	.09	1	0.5	0.6	0	SSF
		15	1937	21.91	19	21.33	155	8.06	9.02	1.9	1.8	38	3	72	.09	3	0.4	0.6	0	SF4
		15	2031	10.46	19	18.78	155	30.65	9.50	2.8	2.7	40	2	68	.10	7	0.3	0.7	0	LSW
		15	2312	14.40	19	20.46	155	13.00	8.11	1.5	1.2	26	2	65	.08	4	0.5	0.9	0	SF2
		16	136	50.74	19	24.40	155	3.14	3.67	1.7	1.0	12	1	170	.05	2	1.0	0.5	0	SME
		16	4 8	14.71	20	2.74	155	27.59	7.23	2.6	2.1	31	0	268	.13	21	2.8	0.8	0	KEA
		16	512	5.83	19	25.32	155	15.89	12.51	1.8	0.9	11	2	244	.09	2	2.2	0.8	0	INT L
		16	944	45.37	19	26.97	155	52.42	7.59	1.7	1.9	32	2	134	.16	6	0.7	0.7	0	KON
		16	1055	30.72	19	19.62	155	13.53	8.59	2.1	1.9	39	3	121	.12	6	0.4	0.6	0	SF2
		16	11 2	40.62	19	26.73	154	53.54	9.36	2.7	2.5	42	2	161	.10	4	0.7	0.3	0	LER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAY	17	1 5	27.82	20	7.31	156	11.39	41.65		2.1	34	12	318	.11	81	1.4	3.1	0	KOH
		17	759	20.75	19	22.85	155	25.21	11.43		1.0	23	3	43	.10	4	0.5	0.8	0	KAO
		17	1118	16.33	19	24.61	155	38.16	0.00	2.6	2.2	31	4	100	.11	6	0.3	0.4	0	MLO *
		17	1749	22.82	19	19.49	155	11.74	8.39	1.6	1.5	25	4	94	.05	5	0.4	0.9	0	SF3
		17	1932	25.88	19	20.01	155	13.01	7.94	2.1	2.0	50	7	70	.12	5	0.4	0.6	0	SF2
		17	2152	18.53	19	19.35	155	7.50	6.60	1.7	1.6	34	5	111	.12	4	0.4	0.8	0	SF4
		18	2335	46.11	19	22.24	155	30.17	9.89	1.7	1.4	30	4	46	.07	4	0.3	0.7	0	KAO
		19	4 7	13.59	19	18.71	155	47.26	2.31	2.0	1.5	23	6	206	.12	14	0.8	0.8	0	KON
		19	1634	29.01	19	30.03	155	29.50	3.22	1.7	1.1	19	4	69	.09	5	0.3	0.9	0	MLO
		19	17 6	17.36	19	30.60	155	43.83	10.26		1.3	18	4	169	.09	4	0.8	1.0	0	KON
		20	1741	43.87	19	19.14	155	11.85	7.10	0.9	1.3	26	5	101	.07	5	0.4	0.9	0	SF3
		20	1834	15.29	19	19.71	155	8.88	7.11	1.6	1.4	22	3	80	.07	5	0.5	0.9	0	SF4
		21	240	7.46	19	28.26	155	48.82	7.65		1.4	15	2	270	.10	7	1.7	0.8	0	KON
		21	1047	51.13	19	21.41	155	28.56	4.99	2.0	1.5	27	4	46	.12	3	0.4	0.8	0	KAO
		22	110	19.32	19	22.32	155	27.10	10.08		1.0	22	5	72	.09	1	0.5	0.7	0	KAO
		22	411	11.86	19	21.72	155	5.14	8.62	3.0	3.2	52	10	81	.10	5	0.3	0.3	0	SF5 F
		22	415	59.95	19	21.33	155	30.38	10.71		1.1	20	5	71	.12	5	0.5	0.9	0	KAO
		22	419	0.81	19	25.64	155	29.54	9.57	2.2	1.6	37	7	39	.09	6	0.3	0.6	0	KAO
		22	746	56.51	19	19.69	155	10.06	7.78	1.6	1.2	20	3	92	.05	4	0.5	0.9	0	SF3
		22	747	14.04	19	19.30	155	10.14	7.94	1.6	1.3	16	4	102	.05	5	0.5	1.0	0	SF3
		22	752	21.88	19	19.73	155	10.07	9.59	1.9	1.8	32	5	90	.07	4	0.4	0.7	0	SF3
		22	1318	34.80	18	53.30	155	29.48	39.51		1.8	34	0	257	.09	21	3.1	3.7	0	DLS
		22	1748	38.08	19	49.97	155	22.20	28.73	1.2	1.5	24	2	168	.08	7	1.2	1.7	0	KEA
		22	1844	51.65	18	55.51	155	29.55	38.31		1.8	32	2	246	.08	19	1.4	1.7	0	DLS
		22	2230	47.77	19	20.22	155	8.13	8.91	2.8	3.0	45	4	83	.11	5	0.4	0.4	0	SF4
		23	1247	41.29	19	17.89	155	47.72	5.36	2.6	2.2	31	0	241	.15	15	1.4	1.6	0	KON
		23	1455	8.89	19	18.96	155	13.33	4.59	1.2	1.3	32	2	77	.12	4	0.4	1.5	0	SSF
		23	21 0	3.04	19	19.56	155	7.35	8.11	1.6	1.8	37	5	110	.08	4	0.4	0.6	0	SF4
		23	2145	34.01	19	23.30	155	17.05	2.89	1.8	1.2	21	3	57	.10	0	0.3	0.3	0	SSC
		23	2249	8.40	19	43.99	156	2.65	31.83		1.5	30	4	232	.12	30	2.2	1.5	0	HUA
		24	1156	0.33	19	22.37	155	10.77	3.04	1.5	1.0	12	3	142	.06	2	0.9	0.4	0	SER
		24	1652	0.64	19	4.44	154	48.65	49.59	2.5	2.1	45	4	267	.09	38	1.9	1.2	0	DIS
		24	22 1	11.50	19	47.13	155	24.91	29.99	1.2	1.4	24	2	105	.09	5	0.7	1.4	0	KEA
		25	041	32.63	19	24.81	155	13.39	5.79	1.7	0.9	13	2	280	.13	6	2.4	2.3	0	SF2 L
		25	055	48.16	19	22.34	155	3.60	8.16	0.8	1.4	31	4	107	.13	4	0.6	0.6	0	SF5
		25	129	24.58	19	24.52	155	16.53	1.46	1.9	1.0	17	4	133	.08	1	0.3	0.2	0	SSC
		25	448	36.10	19	19.64	155	11.64	3.78	1.5	1.5	36	3	91	.11	5	0.4	1.2	0	SSF
		25	935	27.90	19	20.86	155	17.63	31.98	2.2	2.4	56	12	35	.12	1	0.6	0.7	0	DEP
		25	2238	55.19	19	24.25	155	16.68	3.23	1.7	0.8	18	4	104	.09	1	0.3	0.2	0	SSC
		25	2346	39.70	19	24.68	155	16.01	12.52	2.0	1.2	11	3	233	.07	2	2.7	0.8	0	INT L
		26	234	32.85	19	12.05	155	27.10	8.03	2.1	1.8	36	2	123	.15	5	0.5	0.9	0	LSW
		26	3 9	42.36	19	12.24	155	26.90	3.04	1.7	1.6	31	3	125	.15	5	0.4	1.1	0	LSW
		26	534	35.18	19	21.66	155	6.27	8.29	1.7	1.6	27	4	82	.10	4	0.5	0.7	0	SF4
		26	951	18.38	19	20.25	155	6.72	4.78		1.4	25	5	107	.12	6	0.4	1.6	0	SSF
		26	1247	49.66	19	25.15	155	15.45	13.21	2.0	1.2	10	3	252	.08	3	3.3	0.8	0	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	MAY	26	1359	0.13	19	22.22	155	10.66	2.91	1.5	1.1	16	3	142	.11	1	0.6	0.4	0	SER
		26	1441	10.87	19	22.38	155	29.14	10.21	2.3	2.1	44	8	39	.10	3	0.3	0.6	0	KAO
		27	233	33.92	19	34.32	155	16.03	27.27	2.0	1.5	42	10	189	.10	12	0.9	0.6	0	DEP
		27	747	13.32	19	23.11	155	2.41	7.62		1.7	34	3	130	.13	4	0.4	0.5	0	SF5
		27	1236	45.24	19	44.83	154	56.25	31.67	2.4	1.7	41	4	228	.11	11	1.3	1.0	0	HIL
		27	1446	5.03	19	18.65	155	8.42	6.93		1.3	22	6	91	.08	3	0.4	0.9	0	SF4
		27	2256	13.81	19	24.52	155	16.74	14.20	2.2	1.4	14	4	118	.15	1	1.7	0.9	0	DEP L
		28	733	42.13	19	25.02	155	15.39	12.00	2.1	1.2	14	3	171	.08	2	1.6	0.9	0	INT L
		28	1035	28.01	19	22.47	155	30.06	9.96		1.6	29	5	46	.06	4	0.3	0.7	0	KAO
		28	1129	15.18	19	24.86	155	16.74	11.33		1.3	16	4	147	.05	0	1.3	0.8	0	INT
		28	1617	44.56	19	24.32	155	16.09	11.89		1.3	14	3	129	.09	1	1.3	0.9	0	INT
		28	1810	45.82	19	19.96	155	6.46	8.14	1.8	2.1	38	5	118	.09	6	0.4	0.6	0	SF4
		28	2350	24.55	19	17.18	155	13.19	6.68	0.9	1.6	36	5	150	.10	1	0.4	0.6	0	SF2
		29	1 9	23.46	19	25.07	155	19.30	5.73		1.2	24	5	105	.08	3	0.4	0.8	0	KAO
		29	14 2	59.39	19	19.90	155	11.89	9.14	2.6	3.3	50	7	84	.11	5	0.3	0.4	0	SF3
		29	2026	43.42	19	30.69	155	28.75	7.36	0.9	1.3	23	4	71	.09	3	0.4	1.1	0	MLO
		30	415	28.22	19	46.70	155	41.20	11.17	2.0	2.5	39	5	147	.12	9	0.6	0.5	0	KEA
		30	835	14.44	19	20.90	155	13.09	7.47	0.9	1.5	38	6	64	.12	3	0.4	0.6	0	SF2
		30	938	21.48	19	52.70	155	30.15	25.47	2.1	1.7	25	3	233	.08	12	1.1	1.8	0	KEA
		30	13 9	38.49	19	20.14	155	8.95	7.35	1.9	1.8	35	3	73	.10	4	0.5	0.8	0	SF4
		30	1932	16.24	19	20.49	155	11.59	7.90		1.1	29	2	76	.09	4	0.5	0.8	0	SF3
		31	451	50.74	19	25.19	155	16.28	12.53	0.8	1.0	10	2	164	.07	1	1.7	1.3	0	INT L
		31	855	7.52	19	16.51	155	25.69	9.53	2.2	1.3	22	5	57	.09	5	0.4	0.9	0	LSW
		31	1616	2.11	20	20.30	155	54.20	32.86	1.9	2.1	26	4	319	.12	27	1.8	1.1	0	KOH
		31	1642	56.40	19	28.54	154	47.54	6.51	1.2	1.5	10	2	297	.08	6	2.2	0.9	0	LER
		31	1747	53.17	19	29.19	155	26.97	3.59	2.3	1.7	30	8	68	.11	5	0.3	1.0	0	KAO
		31	20 0	38.49	19	27.14	155	29.84	9.13	1.7	1.4	31	5	47	.08	7	0.4	0.9	0	KAO
		31	2311	2.60	19	20.07	155	12.13	8.18	2.0	1.8	41	5	79	.11	5	0.4	0.6	0	SF3
		31	2312	29.31	19	19.96	155	12.08	8.75		1.3	26	4	81	.06	5	0.4	0.7	0	SF3
	JUN	1	1627	51.03	19	20.98	155	6.02	8.70	0.9	1.7	27	6	97	.08	5	0.5	0.6	0	SF4
		2	127	3.62	19	22.24	155	10.68	3.03	1.5	1.2	17	3	123	.07	1	0.7	0.4	0	SER
		2	154	4.20	19	21.36	155	6.85	7.94	0.8	1.3	24	5	84	.09	4	0.5	0.7	0	SF4
		2	10 4	50.13	19	24.86	155	30.97	11.87		1.5	29	4	38	.07	3	0.4	0.8	0	KAO
		2	1059	27.42	20	10.69	155	38.21	26.37	2.2	2.0	29	3	242	.10	16	1.3	1.0	0	KOH
		2	1728	4.22	19	31.78	155	32.57	15.10		1.3	31	9	112	.12	4	0.6	0.6	0	DML
		3	128	12.28	19	26.09	155	28.93	9.19	1.0	1.7	38	7	41	.10	7	0.3	0.8	0	KAO
		3	355	5.73	19	20.25	155	11.83	8.54		1.5	36	5	78	.11	5	0.5	0.7	0	SF3
		3	532	21.07	19	29.20	155	26.93	7.55	2.4	2.2	52	12	56	.12	5	0.3	0.6	0	KAO
		3	1836	12.62	19	20.13	155	7.96	7.32		1.4	20	1	87	.06	5	0.4	1.0	0	SF4
		4	040	13.66	19	21.83	155	30.42	10.46		1.2	26	6	47	.07	5	0.3	0.7	0	KAO
		4	125	7.19	19	26.27	155	18.78	7.22	2.5	1.0	26	9	168	.11	3	0.5	0.6	0	INT
		4	2 3	49.49	19	17.62	155	29.98	10.54		1.3	25	5	65	.13	5	0.4	1.0	0	LSW
		4	525	53.36	19	24.57	155	28.94	9.41		1.2	24	3	59	.06	4	0.4	0.8	0	KAO
		4	849	32.99	19	12.03	155	27.36	6.38		1.2	20	4	137	.15	5	0.6	1.5	0	LSW
		4	851	14.48	19	12.27	155	27.37	2.60	1.5	2.3	33	3	116	.15	5	0.4	1.1	0	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JUN	4	1033	11.19	19	19.53	155	11.84	8.25	1.9	1.8	36	6	92	.09	5	0.4	0.6	0	SF3
		4	13 4	16.30	19	12.24	155	27.63	6.30		1.6	23	3	115	.18	5	0.6	1.7	0	LSW
		5	1259	57.19	19	19.81	155	13.24	6.36	1.5	1.4	30	3	69	.11	5	0.4	0.9	0	SF2
		5	1522	52.86	19	24.92	155	19.52	5.33	3.2	3.1	52	9	38	.13	2	0.3	0.6	0	KAO
		5	1524	58.12	19	24.92	155	19.48	5.08	2.2	1.5	16	5	97	.09	2	0.5	0.9	0	KAO
		5	1525	56.84	19	26.24	155	19.45	5.84	2.6	1.2	23	7	100	.12	3	0.5	0.8	0	KAO
		5	1628	1.11	19	25.33	155	19.44	3.89	1.9	0.9	13	0	114	.09	3	0.4	0.9	0	KAO
		5	1822	36.72	19	18.87	155	27.54	8.62	2.0	1.5	36	3	46	.14	7	0.3	0.9	0	LSW
		5	2248	9.77	19	25.00	155	19.73	4.66	1.5	0.9	14	2	97	.08	2	0.5	0.9	0	KAO
		6	1328	55.10	19	19.25	155	13.31	5.71		1.1	22	1	74	.10	4	0.4	1.3	0	SF2
		6	1413	31.94	19	22.66	155	25.34	9.96		0.7	15	2	59	.10	4	0.6	1.2	0	KAO
		6	2158	41.90	19	18.47	155	13.29	5.34		1.3	32	4	85	.11	3	0.4	1.1	0	SF2
		7	019	6.35	19	22.02	155	5.56	0.70	1.7	2.0	28	5	76	.18	4	0.5	0.7	0	SSF
		7	123	46.11	19	51.06	155	22.44	30.94	0.9	1.3	31	1	146	.09	5	1.1	2.1	0	KEA
		7	2 2	50.96	19	25.14	155	16.58	10.81	2.0	1.2	18	4	155	.07	1	0.9	0.6	0	INT L
		7	441	12.80	19	27.83	155	36.83	14.06		0.9	14	2	174	.12	1	1.2	1.4	0	DML
		7	920	11.90	18	58.46	155	28.49	39.94		1.9	43	8	225	.08	20	1.0	1.6	0	DLS
		7	1334	1.97	19	24.76	155	15.87	18.80	1.7	1.9	46	10	39	.11	2	0.4	0.6	0	DEP
		7	18 2	18.26	19	26.77	154	53.44	4.02	1.9	1.8	29	4	161	.12	4	0.9	2.0	0	SLE
		7	18 4	6.98	19	21.76	155	30.35	10.38	2.3	1.9	39	6	45	.08	5	0.3	0.6	0	KAO
		7	2129	37.42	19	25.23	154	48.51	38.62	2.7	2.5	49	5	269	.12	6	1.5	1.0	0	LER
		7	2147	8.12	19	26.35	155	28.63	9.65	2.5	2.2	50	9	40	.11	6	0.3	0.6	0	KAO
		7	2254	36.09	19	48.03	156	2.87	44.61	2.6	2.1	42	4	235	.10	25	1.5	0.9	0	HUA
		7	2332	54.18	19	19.61	155	7.64	6.18		1.4	22	4	102	.08	4	0.4	1.0	0	SF4
		8	1522	42.89	19	28.66	155	23.85	13.60	2.2	1.3	24	7	85	.10	2	0.6	0.8	0	DML
		8	1957	36.56	19	11.47	155	29.45	4.67		1.4	24	5	140	.14	5	0.5	2.1	0	LSW
		8	2046	25.06	19	33.01	155	37.97	11.99	2.1	1.6	30	5	176	.13	5	0.5	0.4	0	MLO
		8	2146	0.00	19	26.02	155	28.97	9.74	2.3	1.8	44	8	38	.10	7	0.3	0.6	0	KAO
		8	2334	5.41	19	13.47	155	16.82	34.14		1.6	25	2	185	.12	9	1.0	1.1	0	DEP
		9	0 8	1.27	19	21.16	155	6.42	7.14		1.3	19	1	91	.11	5	0.5	0.9	0	SF4
		9	228	44.63	19	23.51	155	15.09	3.22	1.9	1.5	17	4	82	.08	2	0.3	0.4	0	SEC
		9	1116	37.00	19	11.69	155	26.88	6.63		1.3	22	6	137	.14	4	0.6	1.3	0	LSW
		9	1331	50.14	19	52.91	155	31.67	4.33		1.2	8	1	259	.13	19	2.5	12.2	0	KEA -
		9	1357	33.47	19	12.06	155	27.21	6.37	2.4	2.3	35	2	121	.14	5	0.5	1.5	0	LSW
		9	1413	28.57	19	23.76	155	16.86	2.88	2.1	1.3	20	6	66	.06	1	0.3	0.3	0	SSC
		9	2033	24.13	19	24.70	155	17.97	9.50	1.9	1.0	9	3	147	.08	1	1.6	1.0	0	INT L
		10	013	13.14	19	25.28	155	17.47	11.18	2.0	1.2	17	4	113	.14	0	1.2	0.8	0	INT L
		10	056	15.92	19	21.92	155	12.86	2.84	1.4	1.2	15	4	100	.04	1	0.4	0.3	0	SER
		10	148	14.23	19	25.44	155	16.44	13.99	1.8	1.0	16	4	171	.05	1	0.9	0.6	0	DEP L
		10	257	29.10	19	21.40	155	30.22	9.92	1.7	1.5	32	6	46	.08	5	0.3	0.7	0	KAO
		10	346	35.72	19	25.32	155	16.71	11.48	1.8	1.1	13	2	163	.06	1	1.0	0.9	0	INT L
		10	436	37.81	19	29.43	155	26.73	5.35	1.6	1.1	21	5	101	.10	5	0.4	1.5	0	KAO
		10	6 0	15.74	19	24.95	155	15.80	14.82	1.9	1.1	15	3	161	.07	2	1.6	0.7	0	DEP L
		10	820	7.68	19	21.72	155	12.68	2.87	1.3	1.5	16	4	94	.04	2	0.4	0.4	0	SER
		10	928	33.42	19	22.62	155	29.99	9.98		1.4	25	5	46	.06	4	0.4	0.6	0	KAO

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JUN	10	1128	5.30	19	25.65	155	17.80	16.99	1.9	1.2	12	3	160	.11	1	3.6	1.1	0	DEP L
		10	1219	10.61	19	23.68	155	17.01	3.14	1.9	1.4	20	5	59	.08	1	0.3	0.3	0	SSC
		10	17 1	25.80	19	25.60	155	16.75	8.59	1.9	1.1	17	1	116	.12	1	0.6	0.9	0	INT L
		10	2141	56.03	19	20.12	155	7.40	8.17	2.3	2.5	48	5	98	.10	5	0.4	0.5	0	SF4
		10	2153	45.73	19	19.22	155	15.47	6.80	1.8	1.3	27	1	100	.09	4	0.5	0.9	0	SF1
		10	22 5	31.11	19	11.40	155	42.30	12.94	2.0	1.9	18	2	127	.10	11	0.6	0.8	0	LSW
		11	343	41.86	19	22.79	155	8.75	3.32	1.6		8	0	119	.04	2	0.9	0.5	0	SER
		11	438	49.86	19	18.76	155	15.14	8.29	2.4	2.3	51	7	96	.12	4	0.4	0.5	0	SF1
		11	555	33.33	19	23.30	155	14.89	3.22	2.0	1.5	19	5	103	.09	2	0.4	0.4	0	SEC
		11	556	6.99	19	23.29	155	14.79	3.45	2.4	2.3	14	1	78	.06	3	0.4	0.5	0	SEC
		11	9 5	21.94	19	23.27	155	14.88	3.46		1.5	15	3	104	.05	2	0.3	0.6	0	SEC
		11	1226	29.18	19	21.07	155	30.27	9.51		1.3	17	2	89	.07	5	0.5	0.8	0	KAO
		11	1441	51.46	19	13.01	155	31.29	7.50		1.7	26	1	142	.14	4	0.5	1.1	0	LSW
		11	2152	29.29	19	17.44	155	12.87	7.30		1.3	31	4	143	.10	1	0.5	0.9	0	SF2
		12	017	57.32	19	18.69	155	14.66	6.53	0.9	1.2	31	1	98	.10	4	0.5	1.0	0	SF1
		12	656	9.15	19	18.20	155	14.96	8.29		1.3	23	4	138	.05	3	0.5	0.9	0	SF1
		13	313	35.90	19	51.72	156	3.99	46.67	2.5	2.1	33	1	285	.07	50	2.1	1.4	0	HUA
		13	831	28.05	19	53.83	155	26.33	27.76	3.1	3.5	66	16	170	.11	13	0.5	1.1	0	KEA F
		13	1041	11.12	19	52.91	155	10.87	41.55	2.6	2.0	39	6	206	.10	17	0.8	1.5	0	KEA
		13	2327	15.24	19	14.36	155	30.97	8.27	1.2	1.6	23	1	66	.14	2	0.4	0.9	0	LSW
		14	517	20.49	19	20.34	155	48.79	9.56	2.3	1.8	31	3	156	.13	10	0.6	0.6	0	KON
		14	653	6.83	19	20.53	155	7.49	8.14	1.7	1.6	34	4	141	.09	5	0.5	0.6	0	SF4
		14	1140	41.92	19	59.98	155	21.98	11.60	2.4	2.1	23	2	207	.08	26	1.3	0.7	0	KEA
		14	1155	39.59	19	28.37	155	27.39	3.45	1.9	1.4	25	5	73	.11	7	0.3	1.3	0	KAO
		15	1028	17.34	19	59.31	155	20.83	8.20	2.1	1.9	8	2	285	.04	36	1.5	1.6	0	KEA
		15	1957	6.85	19	16.05	155	3.46	44.79		2.0	46	4	203	.11	7	0.9	0.9	0	DEP
		16	1 6	2.00	19	21.19	155	29.51	5.52	1.7	1.2	23	2	43	.07	4	0.3	1.0	0	KAO
		16	143	4.58	19	25.17	155	39.17	3.27	2.0	1.2	16	4	203	.09	6	0.7	1.6	0	MLO
		16	343	58.43	19	21.10	155	5.99	7.78	0.9	1.5	28	2	95	.08	5	0.5	0.8	0	SF4
		16	457	21.15	19	25.76	155	16.35	10.06	2.1	1.4	16	6	184	.06	2	1.4	0.8	0	INT L
		16	558	44.98	19	25.98	155	20.20	8.27	2.2	1.3	31	8	119	.10	3	0.4	0.7	0	KAO
		16	1319	25.77	19	19.06	155	25.70	29.97		1.5	31	4	61	.11	5	0.7	1.2	0	DML
		16	1510	59.82	19	26.01	155	18.76	18.07		1.2	11	2	266	.07	2	3.0	1.0	0	DEP
		16	1511	42.94	19	24.25	155	17.93	10.58		1.1	12	3	79	.09	2	1.7	0.9	0	INT
		16	1513	0.06	19	23.91	155	18.36	10.82		1.4	13	4	95	.16	2	2.3	1.3	0	INT
		16	1719	25.45	19	24.28	155	3.10	3.71	0.8	1.5	23	1	99	.07	2	0.4	0.5	0	SME
		17	444	39.52	19	33.52	155	44.88	1.28		1.5	29	2	125	.14	6	0.7	1.5	0	KON
		17	530	26.90	19	17.90	155	16.60	7.67	1.0	1.6	40	4	126	.12	4	0.5	0.6	0	SF1
		17	14 7	1.36	19	25.36	155	16.21	15.07	2.2	1.2	12	2	172	.04	2	1.2	0.7	0	DEP L
		17	2231	59.51	19	18.25	155	1.44	33.88	1.0	1.6	32	1	232	.09	12	2.8	2.7	0	DEP
		17	2345	13.26	18	53.68	155	15.73	13.63		1.8	41	6	254	.11	36	1.1	1.0	0	LOI
		18	242	30.52	19	18.23	155	13.13	6.66	1.6	1.4	30	1	95	.09	2	0.5	0.9	0	SF2
		18	455	3.73	18	52.70	155	15.74	13.01		1.8	35	0	254	.11	38	2.9	1.5	0	LOI
		18	748	48.91	18	54.17	155	15.93	16.72	2.1	1.9	32	3	270	.10	35	1.5	14.0	0	LOI -
		18	1024	25.99	19	22.40	155	18.86	11.43	2.1	1.3	11	5	253	.06	4	3.8	2.1	0	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JUN	18	1414	24.04	19	24.48	155	16.93	9.82	1.9	1.1	9	2	94	.05	1	2.6	0.8	0	INT L
		18	1433	33.64	19	12.77	155	23.32	36.56	2.3	2.1	44	8	157	.10	3	0.7	1.0	0	DEP
		18	1448	27.38	19	25.68	155	15.62	11.66	2.1	1.3	11	3	221	.09	3	1.5	0.6	0	INT L
		18	19 2	8.25	19	14.36	155	27.75	12.05	2.4	2.2	35	5	92	.10	4	0.5	0.6	0	LSW
		18	21 4	46.37	19	30.55	155	8.38	10.31	2.4	1.5	10	1	324	.07	18	2.6	6.4	0	GLN L
		18	2335	23.85	19	27.46	155	18.47	17.50	2.2	1.3	11	1	209	.10	4	1.8	0.9	0	DEP L
		19	0 3	54.45	19	26.71	155	22.73	8.48	1.8	1.2	23	3	74	.09	4	0.4	0.9	0	KAO
		19	2 0	43.11	20	6.09	155	53.59	25.13	3.0	2.8	56	7	257	.12	12	0.8	1.3	0	KOH
		19	451	10.97	19	25.38	155	15.63	11.77	2.2	1.3	15	3	160	.12	3	1.2	0.8	0	INT L
		19	731	24.62	19	23.15	155	15.94	7.53	2.1	1.4	13	1	75	.14	1	1.2	0.9	0	INT L
		19	821	2.62	19	31.14	155	29.97	4.03		1.5	24	5	84	.12	4	0.4	1.2	0	MLO
		19	9 0	3.95	19	25.66	155	17.96	5.26	0.8	1.3	11	2	243	.12	1	1.9	0.6	0	INT L
		19	951	46.75	19	31.18	155	30.39	4.96		1.4	26	5	122	.11	5	0.3	2.4	0	MLO
		19	10 2	14.13	19	28.75	155	14.23	19.66		1.3	8	2	294	.11	9	5.1	1.9	0	DEP
		19	1419	5.49	19	23.68	155	16.64	7.80	1.9	1.3	14	1	56	.13	0	0.9	1.4	0	INT L
		19	1934	33.41	19	26.30	155	18.78	11.62	2.1	1.2	12	2	161	.11	3	1.0	1.3	0	INT L
		19	2054	45.37	19	26.21	155	15.12	16.75	2.1	1.2	14	2	227	.12	3	2.4	0.8	0	DEP L
		20	231	59.82	19	25.96	155	16.08	16.75	2.3	1.4	16	2	196	.15	3	2.1	1.9	0	DEP L
		20	350	58.08	19	26.41	155	18.86	6.99	1.7	1.2	29	8	118	.09	3	0.4	0.5	0	INT
		20	7 5	21.12	19	20.97	155	18.32	4.82	2.1	1.1	11	1	190	.10	5	0.9	2.5	0	SWR L
		20	920	50.01	19	26.42	155	15.20	20.60		1.2	6	1	267	.03	4	6.1	1.8	0	DEP L
		20	1016	55.02	19	24.47	155	29.59	9.81	1.7	1.5	30	1	41	.07	5	0.4	1.0	0	KAO
		20	1033	25.09	19	24.60	155	29.51	8.33	2.1	1.6	36	4	40	.10	5	0.3	1.0	0	KAO
		20	1154	4.60	19	24.53	155	17.31	12.43	2.2	1.5	14	3	68	.05	1	0.7	0.8	0	INT L
		20	1614	19.74	19	24.48	155	16.71	11.67	2.1	1.0	10	2	116	.12	1	3.2	0.9	0	INT L
		20	1840	52.90	19	21.91	155	14.80	18.45	2.4	1.5	9	1	264	.15	2	4.8	3.1	0	DEP L
		20	2143	10.34	19	26.20	155	20.46	5.32	2.1	0.9	23	4	112	.11	3	0.4	0.9	0	KAO
		21	046	21.56	19	19.05	155	13.28	8.51		1.3	38	5	128	.12	7	0.5	0.8	0	SF2
		21	110	27.81	19	24.52	155	18.79	14.38	2.1	1.3	11	3	103	.07	2	2.5	1.1	0	DEP L
		21	529	5.86	19	25.74	155	14.74	14.02	2.5	1.5	18	3	216	.10	2	1.3	0.9	0	DEP L
		21	6 9	56.44	19	53.84	155	30.76	19.32	2.1	1.8	31	4	139	.10	14	0.7	1.4	0	KEA
		21	625	50.83	19	18.77	155	47.30	10.66		1.3	26	3	126	.14	10	0.7	0.9	0	KON
		21	720	35.65	19	18.05	155	15.30	6.77	0.9	1.4	27	3	126	.09	4	0.4	0.9	0	SF1
		21	9 2	5.27	19	25.69	155	12.38	17.80	2.0	1.0	11	1	294	.09	8	2.7	1.1	0	DEP L
		21	1324	41.95	19	25.60	155	19.64	5.21	2.6	0.9	16	3	121	.10	4	0.4	1.1	0	KAO
		21	1448	55.46	19	39.15	156	24.72	0.19		1.9	19	7	306	.12	60	2.0	0.6	0	DIS
		21	16 4	3.38	19	24.84	155	16.56	11.33	2.1	1.3	11	2	148	.09	1	2.3	0.9	0	INT L
		22	2029	44.52	19	24.25	155	16.66	13.65	2.2	1.4	25	2	89	.11	1	0.7	0.9	0	DEP L
		22	2035	47.15	19	21.93	155	4.70	8.04	0.8	1.5	35	4	80	.12	5	0.5	0.6	0	SF5
		22	2323	21.34	19	19.46	155	11.83	6.32		1.3	26	1	94	.10	5	0.5	1.1	0	SF3
		23	539	16.93	19	24.41	155	3.00	3.62	1.7	1.4	18	0	100	.07	2	0.5	0.5	0	SME
		23	1246	53.29	19	29.75	155	29.81	2.99	2.4	1.6	38	7	67	.13	6	0.3	1.0	0	KAO
		23	1316	19.46	19	25.72	155	16.25	13.64	2.2	1.4	14	1	184	.09	2	1.4	1.1	0	DEP L
		23	1537	43.08	19	23.91	155	15.35	9.87	2.0	1.3	13	2	104	.20	2	1.9	1.4	0	INT L
		23	1637	4.42	18	58.73	155	28.60	39.95	2.6	2.4	52	5	222	.08	20	1.1	1.3	0	DLS

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JUN	23	1729	50.91	19	23.98	155	17.26	13.04	2.1	1.3	12	1	61	.07	1	1.1	1.2	0	DEP L
		23	18 2	1.17	19	24.20	155	17.35	1.66	1.8	1.0	15	5	91	.09	1	0.2	0.3	0	SSC L
		23	2331	3.25	19	25.82	155	16.71	12.24	2.1	1.3	12	1	181	.12	2	1.4	1.8	0	INT L
		24	420	4.14	19	24.55	155	16.57	11.05	2.2	1.1	11	1	134	.09	1	1.4	1.0	0	INT L
		24	523	44.87	19	25.27	155	17.58	7.53	1.8	1.3	9	1	132	.08	0	1.6	0.9	0	INT L
		24	1956	47.71	19	28.82	155	15.93	25.57	2.3	1.4	11	1	261	.07	7	4.0	1.3	0	DEP L
		24	2122	1.38	19	28.35	155	7.56	15.41	2.4	1.1	9	1	326	.12	18	2.9	1.0	0	DEP L
		24	2241	54.91	19	21.24	155	6.54	6.79	0.8	1.4	23	5	88	.10	4	0.4	0.7	0	SF4
		25	148	27.02	19	21.71	155	6.62	8.62	2.4	1.6	14	3	80	.05	3	0.5	0.9	0	SF4
		25	234	9.29	19	9.14	155	27.37	41.71	2.0	1.7	24	0	165	.07	1	1.0	2.1	0	DLS
		25	655	9.70	19	19.16	155	12.26	7.48	1.6	1.5	28	2	95	.06	5	0.4	0.9	0	SF3
		25	13 2	10.73	19	28.91	155	27.31	5.57	1.9	1.2	23	5	82	.10	6	0.3	1.6	0	KAO
		25	1537	56.38	19	25.97	155	15.74	6.26	1.8	1.2	14	3	204	.10	3	1.2	0.8	0	INT L
		25	1644	54.64	19	25.93	155	16.42	15.06	2.2	1.3	11	2	229	.12	2	2.0	0.9	0	DEP L
		25	1830	34.47	19	11.86	155	27.99	6.89		1.3	20	1	108	.15	4	0.7	1.8	0	LSW
		25	2333	58.83	19	23.11	155	3.33	8.94	1.7	1.8	30	4	108	.08	3	0.3	0.5	0	SF5
		26	239	17.30	19	27.30	155	15.69	12.96	2.1	1.2	9	1	269	.09	5	4.0	1.1	0	INT L
		26	619	22.05	19	24.82	155	17.37	10.48	1.9	1.2	15	2	97	.11	1	1.4	1.0	0	INT L
		26	8 1	57.87	19	26.77	155	29.95	10.02		1.5	21	3	44	.07	6	0.4	1.0	0	KAO
		26	1036	45.90	19	11.38	156	26.75	33.71		2.4	43	5	302	.09	80	1.2	2.6	0	DIS
		26	1225	7.48	19	58.21	156	50.23	6.84		2.0	23	5	322	.13	109	8.6	11.1	0	DIS -
		26	1623	20.05	19	20.20	155	12.68	8.34	1.6	1.4	34	5	72	.07	5	0.4	0.6	0	SF2
		26	2351	10.08	19	24.15	155	16.70	9.25	2.0	1.2	21	3	83	.11	0	0.7	0.8	0	INT L
		27	315	4.30	19	13.04	155	33.31	6.58		1.6	26	4	156	.15	7	0.6	1.1	0	LSW
		27	848	12.10	19	26.51	155	15.60	1.18	2.0	1.4	20	4	211	.10	4	0.3	0.7	0	SNC
		27	928	10.51	19	18.62	155	14.39	13.52	2.3	1.4	9	2	300	.15	7	4.9	1.6	0	DEP L
		27	11 5	30.02	19	24.23	155	16.79	8.21	1.9	1.3	15	2	95	.10	1	0.9	1.3	0	INT L
		27	1140	47.37	19	25.14	155	16.92	15.65	2.1	1.2	10	2	155	.04	0	2.3	1.6	0	DEP L
		27	1412	22.85	19	25.05	155	16.77	8.65	1.8	1.1	16	1	145	.13	0	1.1	1.1	0	INT L
		27	2358	46.87	19	31.00	155	22.09	14.35	2.1	1.2	8	2	328	.05	13	4.6	3.0	0	DML L
		28	0 7	41.34	19	20.05	155	10.65	7.36		1.3	28	4	86	.08	4	0.4	0.6	0	SF3
		28	1 0	53.71	19	11.71	155	30.82	4.88		1.4	23	0	154	.18	6	0.8	3.5	0	LSW
		28	1 9	27.38	19	41.40	155	23.47	36.30	2.0	1.7	46	4	71	.11	14	0.6	1.0	0	KEA
		28	543	54.31	19	20.00	155	12.25	7.14	1.6	1.6	34	2	138	.11	5	0.5	0.7	0	SF3
		28	618	29.19	19	51.15	155	50.46	14.51	2.6	2.1	28	2	266	.14	18	1.9	0.7	0	HUA
		28	2034	57.52	19	35.02	156	3.25	13.59		1.5	19	0	271	.12	25	10.5	2.5	0	KON
		28	2249	19.92	19	22.18	155	16.47	11.52	2.2	1.3	11	3	136	.27	1	2.9	1.9	0	INT L
		29	7 9	12.24	19	3.34	155	7.64	39.86	2.5	2.2	49	2	231	.09	26	1.2	1.4	0	LOI
		29	9 3	48.84	19	20.66	155	12.95	8.55	1.4	1.8	45	8	63	.09	4	0.4	0.5	0	SF2
		30	1719	28.06	19	54.27	155	12.10	39.14	2.6	1.9	34	4	236	.12	15	1.0	1.7	0	KEA
		30	20 2	1.76	19	16.63	155	32.90	3.21	1.8	1.5	31	2	81	.13	6	0.4	1.8	0	LSW
		30	2043	42.66	19	54.02	155	52.43	24.74		1.4	23	4	210	.10	23	1.3	0.9	0	HUA
	JUL	1	610	29.74	19	32.00	155	46.80	9.10		1.1	23	3	143	.14	3	0.8	0.7	21	KON
		1	647	14.49	19	25.03	155	19.12	6.36	1.9	1.2	28	6	69	.12	3	0.4	0.8	21	KAO
		2	240	24.35	19	19.91	155	5.60	6.25	0.9	1.4	38	5	131	.13	5	0.5	0.9	32	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JUL	2	534	13.26	19	27.37	155	27.19	24.83		1.4	40	7	43	.11	5	0.7	0.9	32	DML
		2	710	43.41	19	20.33	155	7.31	7.25		1.2	34	4	97	.06	5	0.4	0.7	30	SF4
		2	932	6.69	19	16.74	155	48.13	9.78	2.5	2.1	41	4	108	.11	7	0.5	0.4	37	KON
		2	1121	38.54	19	29.83	155	57.17	8.77	2.2	1.6	29	4	308	.19	20	1.5	0.9	18	KON
		2	1734	45.85	19	16.62	155	29.09	10.13	2.2	2.1	41	4	55	.12	3	0.3	0.7	37	LSW
		2	23 2	30.71	19	21.67	156	21.47	34.05		2.3	36	5	296	.12	52	1.3	2.8	31	DIS
		3	729	48.57	19	29.28	155	52.26	7.62	2.4	2.2	34	3	179	.16	11	0.6	0.7	26	KON
		3	1431	40.93	19	26.49	155	15.85	10.77	1.8	2.0	13	5	217	.12	4	2.4	0.8	3	INT L
		3	1813	18.32	19	20.02	155	11.90	8.50	1.6	1.5	27	6	82	.07	5	0.4	0.5	15	SF3
		3	23 3	56.65	19	22.41	155	30.08	9.65		1.3	29	4	69	.06	4	0.4	0.7	24	KAO
		4	156	29.39	19	12.58	155	23.32	34.83		1.7	42	6	165	.10	10	0.6	0.9	37	DEP
		4	836	26.37	19	23.68	155	30.65	10.12		1.2	28	3	49	.06	6	0.3	0.8	25	KAO
		4	1112	36.70	19	19.81	155	7.66	7.84		1.2	29	5	99	.09	5	0.4	0.6	18	SF4
		4	1537	13.09	19	49.24	155	34.69	23.76	1.3	1.9	35	2	222	.09	13	1.1	2.1	31	KEA
		4	1551	57.94	19	22.19	155	26.51	10.19		1.3	33	2	40	.11	2	0.4	0.5	29	KAO
		5	030	1.65	19	11.52	155	28.46	5.98	2.6	2.7	43	6	118	.13	4	0.3	0.9	19	LSW
		5	1514	40.57	19	20.77	155	22.54	33.63	1.9	1.6	42	5	66	.11	2	0.6	1.1	36	DEP
		5	1528	33.52	19	53.56	155	12.40	38.75	2.4	2.0	51	8	229	.12	14	0.8	1.2	40	KEA
		5	1658	5.31	19	27.05	154	52.73	4.05	2.0	1.8	42	3	199	.14	4	0.6	0.7	32	SLE
		6	4 8	9.97	19	31.55	155	55.92	10.90	2.9	3.1	41	4	221	.13	18	0.6	0.4	30	KON
		6	643	32.22	19	25.70	155	19.84	8.18	2.0	1.2	32	10	96	.11	4	0.4	0.7	19	KAO
		6	1254	10.36	19	29.75	155	52.62	9.12	2.4	1.6	33	3	111	.22	4	1.0	0.5	30	KON
		6	1716	3.59	19	10.39	155	35.29	0.02	1.9	1.5	25	2	104	.13	13	0.4	0.6	24	LSW *
		7	1340	39.30	19	20.02	155	12.75	7.78		1.2	28	6	73	.08	5	0.4	0.6	15	SF2
		7	1923	54.50	19	52.64	155	47.39	12.64	1.3	1.8	33	6	168	.20	14	0.9	0.9	19	HUA
		8	1412	11.30	19	20.64	157	18.74	36.60	3.2	3.8	34	2	318	.10	151	2.0	2.8	25	DIS
		8	1955	17.22	19	19.23	155	16.02	7.74	1.8	1.4	38	5	106	.11	3	0.4	0.6	30	SF1
		9	832	12.31	19	18.24	155	1.29	36.45	1.0	1.8	45	4	220	.11	4	1.3	0.8	36	DEP
		9	1824	20.89	19	59.32	155	16.19	13.96	1.1	1.5	21	8	284	.10	13	1.0	0.4	9	KEA
		10	3 3	25.87	19	17.69	155	15.10	6.83	1.6		41	4	123	.10	3	0.4	0.6	33	SF1
		10	930	49.02	19	21.79	155	13.12	2.82	1.4	1.2	21	4	72	.07	2	0.5	0.4	15	SER
		10	1346	57.35	19	25.67	155	19.97	6.24	1.8	1.2	27	4	115	.09	4	0.4	0.9	18	KAO
		10	1514	52.04	19	5.77	155	7.72	35.87	2.5	2.2	47	8	225	.10	21	0.9	1.0	39	LOI
		10	1639	7.47	19	11.71	155	29.03	10.94		1.5	34	4	79	.11	5	0.4	0.7	25	LSW
		10	1750	29.78	19	11.69	155	29.21	12.09	2.1	1.8	39	4	133	.12	5	0.6	0.3	30	LSW
		10	2348	52.09	19	24.04	155	18.19	0.42	1.7	1.4	13	4	105	.16	2	0.3	0.7	8	SSC L
		12	1230	2.16	19	12.95	155	31.12	7.40	1.8	1.4	29	1	141	.13	4	0.6	1.2	17	LSW
		12	1640	34.41	19	17.62	155	27.69	9.15	1.7	1.4	36	3	49	.12	6	0.4	0.6	33	LSW
		12	1645	53.24	19	17.40	155	27.74	11.02	1.7	1.8	29	2	94	.12	6	0.5	0.8	20	LSW
		12	1739	0.81	19	17.68	155	27.58	10.12	2.6	2.7	46	5	48	.13	7	0.3	0.6	31	LSW
		12	1744	58.54	19	22.81	155	30.46	8.68	2.0	1.7	42	4	56	.11	5	0.4	0.7	38	KAO
		13	1117	39.76	19	40.66	156	1.89	34.61	2.7	2.6	44	3	228	.11	24	1.0	1.1	35	HUA
		13	1350	43.62	20	1.34	155	19.77	7.70	2.5	2.2	42	5	213	.12	30	0.7	0.8	37	KEA
		13	1535	6.65	19	13.07	155	23.20	36.76	2.3	2.2	52	10	159	.10	3	0.6	0.8	43	DEP
		13	1640	37.39	19	13.61	155	23.20	34.55		1.8	52	11	152	.10	2	0.6	0.7	41	DEP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	JUL	13	1754	10.93	19	22.25	155	10.77	2.97	1.8	1.5	31	5	93	.13	2	0.5	0.4	26	SER	
		13	2220	8.97	20	1.12	155	20.19	11.93		1.7	27	4	237	.10	14	1.0	0.4	24	KEA	
		14	010	34.63	19	21.57	155	25.52	13.61	2.0	1.8	45	7	45	.10	4	0.4	0.5	38	DML	
		14	349	50.87	19	50.63	155	36.11	21.34	2.1	1.9	53	9	109	.09	6	0.5	1.1	39	KEA	
		14	612	29.38	19	50.79	155	35.92	21.12	1.1	1.5	43	6	110	.09	7	0.5	1.3	33	KEA	
		15	1	9 10.43	19	24.73	155	19.44	5.28	1.2	2.1	49	11	37	.13	2	0.3	0.6	39	KAO	
		15	110	59.41	19	24.66	155	19.16	5.99	0.9	2.1	42	9	89	.11	2	0.3	0.6	33	KAO	
		15	910	44.45	19	19.97	155	11.55	6.58		1.7	36	5	85	.10	5	0.4	0.8	24	SF3	
		15	949	49.21	19	20.01	155	8.44	7.85	2.1	2.8	57	14	79	.10	5	0.3	0.5	33	SF4	
		16	251	15.26	19	19.93	155	4.08	6.85	1.2	2.1	41	5	144	.11	2	0.4	0.4	24	SF5	
		16	827	25.94	19	19.41	155	11.04	8.33		1.2	29	3	99	.08	5	0.4	0.8	22	SF3	
		16	937	52.02	18	54.34	156	16.59	0.17		1.2	30	6	305	.12	59	3.1	1.0	21	DIS	
		16	2049	49.29	19	15.92	155	15.94	29.40	1.1	2.4	48	8	162	.10	5	0.7	0.8	37	DEP	
		16	2128	3.26	19	25.95	155	16.11	14.05	2.1		19	4	124	.15	3	0.8	1.1	2	DEP	L
		17	131	59.82	19	18.63	155	13.84	7.62		1.2	32	4	79	.08	3	0.4	0.7	21	SF2	
		17	1229	32.33	19	28.03	155	25.52	0.03		1.5	10	1	71	.15	5	0.5	1.1	6	KAO	*
		17	1648	15.97	19	6.95	155	37.94	4.20		1.8	13	0	120	.11	15	0.6	11.3	9	LSW	-
		17	1745	14.59	19	13.90	155	20.51	44.94	1.2	3.9	10	0	201	.05	8	1.8	5.7	9	DEP	L
		17	2319	14.44	19	16.65	155	26.33	36.08		2.0	16	3	231	.06	8	2.0	1.7	11	DLS	
		18	5	2 50.26	19	16.18	155	27.30	9.13	1.1	1.8	17	0	99	.09	10	0.5	1.5	11	LSW	
		18	559	24.67	19	21.38	155	25.79	11.01		1.6	24	2	142	.09	4	0.6	0.9	14	KAO	
		18	9	0 24.41	19	22.89	155	2.62	7.31	1.1	1.6	21	0	128	.12	4	0.5	0.9	17	SF5	
		18	1613	9.40	19	31.05	155	20.35	11.33		1.4	13	1	197	.06	6	1.0	1.8	12	MLO	
		18	20	0 30.85	19	27.80	155	24.30	10.63		1.3	13	1	87	.07	4	0.7	1.7	11	KAO	
		18	2215	24.39	19	19.06	155	8.70	8.20		1.2	12	1	89	.03	3	0.6	1.1	9	SF4	
		18	2342	9.05	19	23.57	155	26.24	11.50	2.7	3.0	31	1	47	.11	8	0.4	0.8	24	KAO	
		19	1046	55.52	19	22.03	155	4.10	0.02	1.3	1.6	24	2	94	.15	4	0.3	0.7	7	SSF	*
		19	1831	21.56	19	23.92	155	26.06	7.82		1.2	27	2	50	.10	3	0.4	0.7	24	KAO	
		20	231	9.42	19	20.71	155	8.29	7.76	0.9	1.9	45	4	75	.11	4	0.3	0.5	26	SF4	
		20	326	21.01	20	29.69	156	0.90	32.00		2.0	12	2	335	.04	48	2.8	2.3	13	DIS	
		20	21	1 22.38	19	23.78	155	49.69	12.22	2.6	3.0	46	5	120	.13	14	0.5	0.3	33	KON	
		21	1045	29.63	19	21.52	155	30.34	10.30		1.9	43	5	46	.09	5	0.3	0.6	37	KAO	
		21	1216	9.59	19	18.78	155	13.84	7.40		1.4	30	7	92	.08	3	0.4	0.7	19	SF2	
		22	551	3.53	19	22.96	155	14.32	3.70	0.8	1.6	31	5	48	.10	2	0.3	0.3	24	SEC	
		22	1523	54.92	19	19.54	155	8.84	6.57		1.2	29	6	82	.08	4	0.4	0.8	17	SF4	
		22	1812	54.71	19	21.68	156	17.07	58.58		2.7	18	1	308	.15	45	2.6	2.2	17	KON	
		22	2115	22.94	19	19.89	155	11.44	8.13	1.6	1.4	45	7	87	.10	5	0.4	0.5	33	SF3	
		23	630	17.30	19	21.31	155	18.65	3.97	1.9	1.5	34	6	47	.12	3	0.3	0.7	24	SWR	
		23	1622	30.19	19	22.08	155	4.76	7.35		1.2	37	6	80	.10	4	0.4	0.6	33	SF5	
		24	551	8.50	19	29.11	155	26.32	8.59	2.1	1.4	55	12	79	.12	5	0.3	0.6	43	KAO	
		24	938	12.30	19	20.50	155	13.30	7.84	1.5	1.7	37	7	62	.08	4	0.4	0.6	30	SF2	
		24	16	0 1.12	20	0.01	155	52.27	27.90	2.7	2.5	59	10	212	.11	17	0.7	0.9	38	KOH	
		24	1933	55.94	19	27.00	154	47.69	8.07	3.5	3.7	62	17	285	.15	6	0.7	0.3	35	LER	F
		25	218	39.48	19	16.48	155	14.35	7.64	1.6	1.6	31	2	209	.08	2	0.6	0.8	20	SF2	
		25	424	7.67	19	19.66	155	8.70	6.64	1.6	1.6	33	2	78	.10	4	0.4	0.9	20	SF4	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	JUL	25	424	59.24	19	19.65	155	8.77	5.99	1.6	1.5	31	2	79	.12	4	0.5	1.0	23	SF4	
		25	1630	5.50	19	21.44	155	25.22	11.81	1.6	1.2	23	2	126	.09	4	0.6	0.8	18	KAO	
		26	3	7 7.86	20	23.17	154	56.14	55.22		2.5	24	2	301	.13	70	3.2	2.6	17	KEA	
		26	829	25.23	19	19.21	155	29.97	9.55		1.2	33	2	56	.12	7	0.4	0.8	18	KAO	
		26	2121	13.28	19	23.18	155	14.62	3.48	2.2	1.6	29	6	61	.09	3	0.3	0.3	22	SEC	
		26	2214	17.94	19	25.13	155	19.28	6.47	1.9	1.2	25	6	108	.10	3	0.4	0.8	17	KAO	
		26	2220	28.12	19	22.09	155	10.73	3.09	1.5	1.3	19	4	119	.06	2	0.4	0.3	11	SER	
		27	451	9.53	19	22.88	155	28.35	10.21	1.7	1.4	40	2	35	.11	1	0.4	0.6	29	KAO	
		27	1039	21.73	20	12.61	155	28.92	0.79	2.4	1.8	43	9	251	.13	32	1.0	0.4	18	KEA	
		27	1836	53.09	19	29.02	154	52.83	0.01		1.7	38	5	91	.16	4	0.3	0.4	24	SLE	*
		28	618	32.30	19	19.49	155	8.64	8.18		1.4	21	4	201	.05	5	0.6	0.9	13	SF4	
		28	641	36.05	19	22.05	155	10.66	3.09	1.5	1.3	21	4	120	.08	1	0.4	0.4	11	SER	
		28	930	44.61	19	19.77	155	10.41	8.26		1.4	25	5	91	.07	4	0.4	0.8	12	SF3	
		28	1514	12.06	19	22.19	155	10.87	2.70		1.6	20	5	99	.09	2	0.6	0.3	10	SER	
		28	1820	56.00	19	12.96	155	23.05	36.20		2.2	48	10	157	.09	3	0.7	0.8	34	DEP	
		28	20	7 5.21	19	16.99	155	3.17	46.21	1.4	1.7	52	7	208	.11	5	1.0	0.6	39	DEP	
		29	8	1 30.22	19	9.25	155	21.66	48.11		1.9	45	3	182	.09	10	1.0	1.3	39	LOI	
		29	1021	30.92	20	41.00	155	14.28	2.85		2.0	41	5	299	.10	84	5.5	3.8	31	DIS	
		29	2357	15.87	19	25.45	154	59.27	5.21	1.8	1.7	27	3	91	.11	1	0.5	0.6	11	LER	
		30	019	22.94	19	11.48	155	41.10	0.08	2.8	2.6	50	7	120	.17	19	0.5	0.3	34	LSW	
		30	9	1 40.09	19	13.19	155	23.17	37.30	2.3	1.9	46	7	155	.10	3	0.7	0.9	37	DEP	
		30	929	33.41	19	12.76	155	22.98	37.19		1.8	31	6	166	.11	3	0.8	0.7	23	DEP	
		30	1319	14.86	19	29.97	155	26.58	3.62	2.3	2.3	48	11	109	.12	4	0.3	0.7	29	KAO	
		30	1727	39.45	19	28.47	155	27.37	6.21	1.9	1.2	39	7	70	.13	7	0.3	1.1	31	KAO	
		31	16	2 33.18	19	18.45	155	12.89	7.56	1.6	1.6	34	2	98	.11	3	0.4	0.8	28	SF2	
		31	1835	17.30	19	20.72	155	11.72	7.94	2.1	2.0	52	10	72	.12	4	0.3	0.5	44	SF3	
		31	2132	22.34	19	21.18	155	6.58	6.94		1.3	35	3	89	.11	4	0.4	0.7	29	SF4	
		31	2155	33.17	19	29.41	155	40.72	15.14	2.2	1.8	27	6	133	.13	8	1.1	0.3	12	DML	L
	AUG	1	758	21.44	19	4.62	155	18.78	33.22	2.0	1.6	31	5	211	.08	18	1.1	1.3	26	LOI	
		1	1335	42.33	19	19.63	155	11.59	8.71	2.5	2.7	47	7	92	.11	6	0.4	0.5	42	SF3	
		1	1634	43.37	19	19.36	155	12.04	5.99		1.1	32	4	93	.09	5	0.4	1.0	29	SF3	
		1	1749	59.39	19	18.56	155	15.63	7.77	2.1	2.0	54	11	103	.11	4	0.3	0.5	45	SF1	
		1	2030	10.01	19	20.21	155	7.23	7.63	1.8	1.7	40	5	100	.08	5	0.3	0.6	37	SF4	
		2	944	4.90	19	11.27	155	34.37	7.28	2.6	3.1	47	9	225	.13	10	0.5	0.7	30	LSW	
		2	1627	46.66	19	17.43	155	12.99	7.27	1.9	1.5	35	4	138	.11	1	0.5	0.6	26	SF2	
		2	1855	36.41	19	30.75	155	59.90	0.05		1.5	32	6	246	.15	9	0.9	0.3	19	KON	*
		2	2042	42.77	19	19.67	155	11.71	8.09		1.4	39	6	90	.12	6	0.4	0.5	27	SF3	
		3	055	25.39	19	31.28	155	53.88	11.19		1.6	27	5	168	.23	4	0.9	0.5	14	KON	
		3	1333	8.75	19	13.22	155	32.48	7.39	2.1	1.9	43	7	77	.19	5	0.5	0.7	27	LSW	
		3	1654	22.83	19	13.17	155	23.56	35.32		1.7	35	6	154	.10	2	0.8	1.1	29	DEP	
		3	17	1 52.78	19	13.11	155	23.38	37.01	2.6	2.4	51	7	155	.10	3	0.7	0.9	44	DEP	
		3	2218	17.46	19	21.21	155	17.15	33.87		1.7	49	9	53	.11	2	0.6	0.8	38	DEP	
		4	1	7 34.36	19	10.33	155	18.53	54.11		2.2	37	5	208	.13	12	1.7	0.9	26	DEP	L
		4	127	48.21	19	16.65	155	15.41	5.39	1.0	1.2	36	3	155	.10	3	0.4	0.8	21	SF1	
		4	146	52.22	19	16.71	155	15.57	10.01	2.8	3.0	55	6	149	.10	6	0.4	0.3	39	SF1	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	AUG	4	4 9	42.00	20	42.79	156	45.10	6.87		2.6	35	4	331	.16	120	10.1	13.0	24	DIS -
		5	431	11.39	19	20.27	155	9.13	6.00	1.6	1.5	41	4	73	.12	6	0.4	0.8	30	SF3
		6	317	20.69	19	20.31	155	12.10	7.30		1.2	33	4	75	.10	5	0.4	0.6	22	SF3
		6	725	56.29	19	47.21	154	52.71	47.67	2.2	2.2	50	5	249	.10	23	1.2	1.8	44	KEA
		6	828	45.88	19	24.83	155	17.04	1.10	1.7	1.8	16	4	64	.08	0	0.3	0.1	12	SNC L
		6	10 9	48.69	19	19.39	155	12.79	5.77	1.5	1.3	31	0	82	.11	5	0.4	1.3	25	SF2
		6	14 8	38.88	19	27.00	155	14.59	31.30	3.3	3.1	63	17	40	.11	4	0.4	0.6	42	DEP F
		6	1544	44.33	18	58.07	155	47.43	12.53		2.6	28	0	263	.12	13	3.0	0.5	22	DIS
		6	18 4	8.06	19	20.55	155	13.14	29.77	2.8	2.9	61	13	62	.13	4	0.5	0.5	47	DEP
		7	027	34.43	19	21.02	155	17.19	33.56	2.2	2.1	48	7	55	.11	2	0.6	0.8	40	DEP
		7	7 5	34.57	19	21.07	155	6.71	7.93	0.9	1.4	32	4	177	.10	4	0.7	0.7	26	SF4
		7	1024	59.00	19	20.71	155	12.03	8.40	3.0	3.0	53	10	70	.13	4	0.4	0.4	39	SF3
		7	1614	53.28	19	20.33	155	7.20	4.93	2.4	2.2	43	0	135	.12	6	0.5	1.3	32	SSF
		7	1954	35.10	19	20.18	155	12.72	7.04	1.8	2.1	35	1	71	.15	5	0.5	0.9	29	SF2
		7	2252	0.95	19	26.89	155	37.45	14.86	2.1	2.7	15	2	205	.10	2	1.5	1.0	12	DML
		9	923	3.50	19	22.11	155	25.57	10.51	2.2	1.9	38	3	38	.11	4	0.4	0.6	31	KAO
		9	2259	17.38	19	18.44	155	27.43	10.99		1.4	32	4	45	.12	8	0.3	0.8	22	LSW
		10	025	25.42	19	22.25	155	5.07	7.07	2.0	2.1	40	3	145	.12	4	0.5	0.7	29	SF5
		10	4 6	59.36	19	18.79	155	14.79	7.34		1.2	30	2	99	.10	4	0.4	0.7	27	SF1
		10	556	17.73	19	22.80	155	17.33	7.23	1.8	1.7	9	3	186	.11	1	1.8	2.5	0	INT L
		10	822	0.88	19	22.17	155	4.65	9.12		1.6	38	5	151	.11	4	0.4	0.3	26	SF5
		10	1321	49.02	19	31.92	155	53.92	6.99	2.5	1.7	34	6	177	.15	5	0.5	0.5	23	KON
		10	18 2	18.04	19	45.60	156	42.43	38.23		2.6	20	3	305	.13	88	2.7	4.4	13	DIS
		10	2337	31.79	19	46.08	156	6.10	13.24	2.7	2.4	50	8	244	.14	29	0.9	0.4	37	HUA
		11	338	58.29	19	11.97	155	40.26	6.87		1.5	26	5	112	.11	8	0.5	1.0	15	LSW
		11	838	46.30	19	26.73	155	28.84	9.64	1.6	2.5	45	9	58	.09	7	0.3	0.5	32	KAO
		11	1832	14.68	19	23.13	155	14.66	3.93	2.5	2.2	35	7	47	.09	3	0.3	0.3	21	SEC
		11	2342	22.34	19	20.32	155	7.20	8.74		1.6	28	5	205	.07	6	0.7	0.6	16	SF4
		12	033	38.79	19	24.31	155	26.53	9.95	1.6	1.2	36	4	58	.09	3	0.3	0.5	32	KAO
		12	229	9.81	19	24.62	155	38.66	0.02	2.1	1.8	24	5	108	.12	6	0.4	0.3	16	MLO *
		12	259	51.76	19	20.39	155	12.86	8.66	2.2	2.3	44	5	124	.10	4	0.4	0.4	36	SF2
		12	3 2	4.24	19	24.13	155	15.53	4.98	1.9	1.2	10	5	295	.06	2	1.1	0.6	5	SEC L
		12	634	43.40	19	19.42	155	10.44	8.38	1.6	1.6	26	6	170	.07	7	0.5	0.8	15	SF3
		12	917	0.72	19	25.05	155	19.32	6.28	0.9	1.4	24	3	68	.09	3	0.4	0.9	16	KAO
		12	1346	53.91	19	50.55	155	33.86	22.76	2.4	1.9	32	4	112	.10	10	0.6	1.7	26	KEA
		12	1448	17.89	19	23.25	155	3.08	9.92	2.0	1.9	26	3	112	.06	3	0.5	0.6	12	SF5
		13	849	9.69	19	47.63	155	24.33	27.43	2.4	2.6	48	11	208	.10	23	0.8	1.2	34	KEA
		14	254	55.51	19	24.23	155	0.69	8.14	1.1	1.4	24	4	196	.10	4	0.9	0.6	11	SF5
		14	1322	8.88	19	20.36	155	7.30	7.53	0.9	1.3	32	5	96	.10	5	0.4	0.8	26	SF4
		14	1443	50.47	19	20.20	155	20.65	29.45	2.2	1.8	43	6	70	.10	5	0.6	0.9	32	DEP
		14	1452	17.20	19	20.20	155	20.59	31.16	1.9	1.6	32	4	69	.11	5	0.9	1.2	23	DEP
		14	1858	11.72	19	19.98	155	7.74	7.72		1.6	31	2	95	.10	5	0.5	0.8	21	SF4
		14	1929	18.29	19	20.23	155	12.80	9.99	3.1	3.3	46	3	70	.09	4	0.4	0.4	37	SF2
		14	2158	52.81	19	50.08	155	24.08	28.76	2.0	1.9	42	5	128	.10	8	0.7	1.3	37	KEA
		14	22 2	25.18	19	19.52	155	13.28	6.58		1.1	25	1	72	.10	5	0.5	1.1	23	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	AUG	14	2254	15.60	19	8.56	155	54.97	37.48	2.3	2.2	43	5	243	.09	15	0.9	1.0	33	KON
		15	118	21.38	19	22.32	155	30.39	9.73		1.4	35	4	58	.08	5	0.4	0.7	31	KAO
		15	339	46.29	19	21.55	155	26.16	10.52		1.4	24	4	122	.10	3	0.5	0.7	21	KAO
		15	425	1.19	19	24.81	155	16.66	1.16	1.5	1.4	15	0	92	.11	1	0.3	0.2	15	SNC L
		15	533	51.34	19	28.88	155	27.86	6.72		1.3	24	3	74	.10	6	0.4	1.3	20	KAO
		15	640	3.69	19	21.73	155	11.19	2.35		1.1	11	3	137	.09	4	0.5	0.9	9	SER
		15	2022	35.94	19	16.58	155	25.76	2.29		1.5	18	0	107	.11	5	0.4	1.7	18	LSW
		16	040	36.61	19	25.46	155	29.68	9.14	2.0	1.6	37	3	38	.13	7	0.3	0.8	26	KAO
		16	249	53.64	19	21.41	155	6.06	7.46	1.7	1.6	32	4	121	.09	4	0.4	0.6	20	SF4
		16	653	1.28	19	18.30	155	12.89	9.85	2.1	2.5	45	6	159	.11	8	0.5	0.4	27	SF2
		16	855	6.39	19	16.21	155	13.51	5.37	1.6	1.5	30	0	167	.12	2	0.7	1.1	27	SF2
		16	1131	24.66	19	30.25	155	28.23	4.92	2.0	1.5	29	4	79	.12	3	0.3	1.5	24	MLO
		16	1314	11.18	19	20.12	155	24.14	8.62		1.2	29	4	66	.14	1	0.5	0.8	26	SWR
		16	1314	42.78	19	16.32	155	13.11	6.64	2.2	2.1	45	6	158	.14	1	0.5	0.8	40	SF2
		16	1929	11.36	19	19.60	155	12.29	8.46	2.1	2.1	37	3	86	.09	5	0.4	0.5	28	SF3
		17	111	49.98	19	17.61	155	12.89	8.88	1.9	1.6	38	4	130	.12	1	0.5	0.6	26	SF2
		17	1517	40.99	19	18.48	155	0.27	36.93		1.6	43	5	233	.11	5	1.6	0.6	28	DEP
		17	1552	30.18	19	18.83	155	13.18	6.64	2.3	2.5	47	4	83	.12	3	0.4	0.5	35	SF2
		17	1714	2.89	19	20.46	155	11.96	8.10	2.4	2.6	52	9	74	.12	4	0.3	0.4	40	SF3
		17	1733	48.16	19	18.67	155	12.97	8.00	2.0	1.9	41	5	91	.09	3	0.3	0.5	21	SF2
		18	529	42.34	19	18.82	155	13.19	9.38	1.6	1.6	26	3	106	.09	3	0.5	0.8	19	SF2
		18	1519	28.70	19	8.56	155	39.82	8.98	2.7	3.1	40	7	122	.20	13	0.4	1.2	17	LSW F
		18	1545	19.42	19	8.02	155	39.41	11.79		1.5	11	0	120	.10	13	0.9	1.6	9	LSW
		18	19 2	38.69	19	22.80	155	28.08	10.08		1.2	28	5	46	.11	1	0.4	0.6	18	KAO
		18	2052	5.40	19	35.62	155	27.58	22.53	2.3	2.3	48	7	103	.10	3	0.5	0.7	40	KEA
		18	2315	7.61	19	15.23	155	30.85	9.11		1.2	25	5	114	.12	1	0.3	0.7	17	LSW
		19	012	25.46	19	28.40	155	26.59	3.68	2.3	1.5	39	6	53	.12	6	0.3	1.1	28	KAO
		19	3 5	15.64	19	17.20	155	13.15	8.20	2.2	2.4	47	6	153	.13	1	0.4	0.6	31	SF2
		19	319	29.02	19	17.74	155	12.99	5.11	2.1	1.8	39	2	119	.10	2	0.3	0.6	23	SF2
		19	414	36.29	19	20.36	155	12.97	8.33		1.2	34	4	67	.08	4	0.4	0.5	25	SF2
		19	1342	35.59	19	12.48	155	26.35	8.46	2.5	2.4	33	3	135	.11	5	0.5	0.6	15	LSW
		20	14 8	58.28	19	20.20	155	8.44	7.16	1.9	1.8	45	8	77	.10	4	0.3	0.5	23	SF4
		20	1827	24.43	19	20.05	155	6.36	6.34	0.9	1.4	41	6	118	.11	6	0.4	0.8	30	SF4
		20	1854	0.92	19	18.05	155	13.29	7.57	1.6	1.7	35	3	93	.10	2	0.4	0.4	27	SF2
		20	2221	25.41	20	8.07	155	48.33	26.27	2.8	2.9	51	8	279	.13	3	0.9	0.7	39	KOH
		21	540	23.23	19	18.68	155	26.47	10.89	1.7	1.6	40	4	54	.12	6	0.4	0.5	29	LSW
		21	1441	20.11	19	55.63	155	36.97	12.73		1.8	30	5	135	.18	9	0.6	0.4	12	KOH
		21	2135	34.34	19	20.01	155	16.83	37.72	2.6	3.0	62	17	87	.11	1	0.6	0.6	45	DEP
		21	2251	55.30	19	23.51	155	15.20	2.97	2.0	1.3	12	2	97	.04	2	0.3	0.4	7	SEC
		22	832	56.85	19	28.41	155	35.63	9.95	2.3	2.6	22	2	128	.12	1	0.5	1.0	13	MLO
		22	958	34.31	19	27.56	154	52.11	7.45		1.4	28	1	203	.13	5	1.7	0.9	23	LER
		23	1112	48.83	19	15.33	155	25.50	6.46		1.2	29	2	76	.13	3	0.4	1.0	22	LSW
		23	1328	8.69	19	4.28	155	36.55	9.34		1.3	15	2	154	.11	12	0.8	1.1	5	LSW
		23	16 4	52.29	19	27.90	154	53.18	4.89		1.2	25	2	180	.14	4	0.9	1.0	15	SLE
		24	1332	57.10	19	20.06	155	6.51	7.48		1.5	29	5	115	.09	6	0.3	0.7	11	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	AUG	24	1458	8.31	19	20.47	155	6.67	8.38	2.7	3.0	50	7	103	.08	6	0.3	0.4	24	SF4
		24	1515	3.09	19	20.69	155	6.70	8.27	2.1	2.4	47	8	98	.09	5	0.4	0.5	34	SF4
		24	1916	36.08	19	59.50	155	24.95	9.34		1.5	21	2	213	.15	14	1.4	0.7	9	KEA
		25	141	41.38	19	28.09	155	52.01	6.30		1.5	42	7	184	.11	12	0.6	0.6	29	KON
		25	143	57.72	19	27.93	155	51.84	6.76		1.7	35	5	112	.13	6	0.4	0.6	22	KON
		25	1317	37.15	19	24.40	155	17.33	19.90			23	4	108	.11	2	0.8	1.1	18	DEP
		25	1540	38.43	20	3.76	155	28.00	8.16	2.3	1.4	21	6	208	.12	23	0.7	0.7	8	KEA
		26	913	15.95	19	20.75	155	13.02	7.74		1.2	32	3	65	.09	3	0.4	0.5	28	SF2
		26	2041	17.43	19	16.36	155	27.40	10.20	2.1	2.3	41	2	62	.13	5	0.4	0.6	24	LSW
		27	948	5.63	19	19.93	155	6.64	9.09	2.1	2.1	37	5	116	.07	5	0.4	0.5	24	SF4
		27	1116	18.35	19	18.03	155	13.31	5.90	1.6	1.1	26	4	92	.07	2	0.4	0.8	16	SF2
		27	1244	43.74	19	23.00	155	27.75	10.73	2.6	2.4	48	11	34	.11	1	0.3	0.6	27	KAO
		28	143	41.96	19	19.97	155	8.04	8.35	2.1	2.9	46	6	88	.11	5	0.4	0.5	32	SF4
		28	542	28.32	19	21.13	155	30.09	9.00		1.4	35	5	63	.14	5	0.4	0.8	30	KAO
		28	11 6	53.35	19	19.18	155	11.15	5.25		1.2	24	0	105	.10	6	0.5	1.8	20	SF3
		28	1734	19.05	19	25.04	155	30.11	8.88	2.0	1.6	35	2	42	.12	6	0.4	0.7	27	KAO
		28	2141	28.16	19	19.59	155	11.00	8.20	1.9		52	12	96	.12	5	0.4	0.5	36	SF3
		29	533	7.08	20	1.35	156	14.28	47.14			32	7	281	.07	49	1.1	1.3	20	KOH
		29	2032	0.51	19	14.45	155	24.54	11.91		1.8	19	5	170	.09	1	0.6	1.0	10	SWR
		29	2135	31.87	19	21.08	155	5.96	8.35	2.4	2.7	50	9	95	.10	5	0.4	0.4	35	SF4
		30	3 8	53.85	19	19.33	155	13.27	5.82		1.5	40	9	121	.13	4	0.4	0.8	31	SF2
		30	828	17.56	19	53.63	156	6.68	10.05		1.7	21	5	321	.12	37	1.4	0.6	16	HUA
		30	1857	19.94	20	0.02	155	25.67	10.44	3.7	3.8	55	6	199	.12	15	0.7	0.5	45	KEA F
		31	613	15.23	19	24.18	155	17.37	1.71	1.8	1.2	16	3	54	.07	1	0.3	0.2	11	SSC L
		31	1416	58.09	20	31.86	156	10.85	30.27			17	7	339	.13	61	3.2	3.7	6	DIS
		31	1941	58.82	19	16.92	155	42.43	1.96			15	5	147	.11	9	0.4	0.6	11	LSW
		31	2129	29.90	19	18.45	155	15.02	8.50			12	3	128	.04	4	0.7	0.9	9	SF1
	SEP	1	514	43.58	19	19.18	155	10.74	6.52			10	0	195	.01	6	1.5	2.7	8	SF3
		1	542	38.76	19	20.02	155	3.75	6.64			12	3	281	.08	8	1.7	1.7	7	SF5
		1	7 9	11.73	19	21.94	155	5.16	6.89	2.0		37	1	104	.12	5	0.6	0.8	28	SF5
		1	1142	37.65	19	16.67	155	27.99	9.13	1.7	1.7	31	3	58	.14	5	0.4	0.7	23	LSW
		1	1444	20.40	19	47.37	155	4.67	28.53	2.0	1.8	37	11	204	.12	8	0.7	1.0	18	KEA
		1	23 5	45.45	19	18.04	155	12.78	8.11	1.6	1.9	42	7	135	.09	2	0.3	0.4	35	SF2
		2	050	16.78	19	19.92	155	7.16	8.68	1.7	2.1	49	9	152	.07	6	0.4	0.3	34	SF4
		2	214	7.48	19	56.55	155	22.93	14.17		1.2	28	3	208	.08	7	0.7	0.3	22	KEA
		2	1225	35.20	19	21.60	155	12.83	3.00	1.7	1.5	33	9	58	.09	2	0.3	0.3	24	SER
		2	1825	22.09	19	26.78	155	30.67	11.33	1.7	1.4	47	11	38	.11	5	0.3	0.5	30	KAO
		2	1828	51.68	19	15.31	155	27.41	8.33		1.2	35	6	80	.12	5	0.3	0.8	19	LSW
		2	1836	20.13	19	57.52	155	22.80	14.12		1.5	21	6	263	.10	9	1.0	0.4	13	KEA
		3	1 0	40.93	19	16.82	155	12.93	6.87		1.2	36	8	209	.09	1	0.4	0.4	21	SF2
		3	2 5	7.99	19	21.11	155	49.98	7.21		1.5	38	6	174	.12	10	0.4	0.7	26	KON
		3	211	1.17	19	18.91	155	18.50	11.68	1.9	1.3	54	16	77	.12	2	0.3	0.4	36	SWR
		3	556	53.55	19	23.83	155	17.02	16.10	2.4	1.7	49	10	53	.10	1	0.4	0.3	37	DEP
		3	1634	14.61	19	26.26	155	20.52	8.61	1.9	1.2	26	8	114	.09	2	0.5	0.8	14	KAO
		3	1928	4.87	19	20.49	155	13.10	8.72		1.2	32	7	93	.09	4	0.4	0.6	22	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	SEP	3	2228	47.30	19	22.32	155	29.18	10.67	3.1	3.2	53	8	35	.09	3	0.3	0.6	36	KAO
		4	10 0	4.74	19	21.64	155	5.81	9.43	2.2	1.6	38	5	84	.08	4	0.4	0.5	24	SF4
		4	10 0	39.96	19	21.52	155	6.21	9.22	2.0	1.4	21	4	85	.11	4	0.5	0.8	17	SF4
		4	11 0	6.71	19	24.81	155	16.38	1.66	2.2	1.9	25	2	70	.10	1	0.3	0.2	22	SNC
		4	2224	48.76	19	24.34	155	17.54	2.03	1.8	1.1	14	2	63	.08	1	0.2	0.3	8	SSC
		5	6 8	3.94	19	28.55	155	27.94	6.34	1.6	1.4	34	5	70	.12	6	0.3	1.4	27	KAO
		5	750	12.57	19	30.08	155	32.42	13.62	2.2	1.8	38	6	62	.12	6	0.3	0.5	21	DML
		5	1154	23.73	19	11.27	155	26.45	5.44	1.8	1.4	31	1	148	.11	4	0.4	1.2	26	LSW
		5	1749	7.84	19	22.82	155	2.89	6.83	1.7	1.4	34	1	123	.15	4	0.6	0.8	23	SF5
		5	2023	22.94	19	19.80	155	10.91	8.30		1.3	30	6	167	.08	5	0.5	0.6	24	SF3
		6	433	49.68	19	21.60	155	48.87	10.18	2.0	2.4	31	2	167	.13	12	0.7	0.5	21	KON
		6	2034	37.74	19	24.52	155	37.41	0.03	2.3	2.4	22	3	69	.13	5	0.4	0.5	17	MLO *
		6	2157	45.70	19	20.52	155	11.73	6.66	1.8	2.1	44	4	137	.15	4	0.5	0.8	34	SF3
		7	1019	32.20	19	17.67	155	20.73	6.79	1.6	1.3	31	2	125	.10	4	0.4	1.1	22	SWR
		7	1057	2.09	19	19.67	155	8.73	7.75	1.9	2.2	43	9	78	.08	5	0.3	0.5	23	SF4
		7	2139	36.98	19	21.68	155	12.73	3.05	1.4	1.1	22	6	108	.06	2	0.4	0.3	13	SER
		7	22 6	16.53	19	18.49	155	12.76	7.95	1.6	1.5	28	4	151	.09	3	0.5	0.7	17	SF2
		7	2213	3.73	19	28.49	155	27.57	5.86	2.1	1.6	46	10	73	.13	7	0.3	0.9	29	KAO
		8	411	13.72	19	24.55	155	16.41	0.28	1.7	1.3	14	5	138	.11	1	0.2	0.3	3	SNC L
		10	0 7	14.77	19	53.19	155	23.96	23.25	1.4	1.8	38	3	141	.09	6	0.6	1.0	30	KEA
		10	527	36.98	20	0.49	155	2.72	49.24		2.0	30	7	262	.10	34	1.1	1.4	18	KEA
		10	1046	21.63	19	2.46	154	50.54	9.78		2.5	36	5	294	.11	39	0.9	0.8	15	DIS
		10	1155	58.91	19	24.29	155	17.37	2.08		1.6	18	3	53	.10	1	0.3	0.3	13	SSC L
		10	1520	55.47	19	15.74	155	28.79	8.79		1.2	35	5	65	.11	3	0.3	0.5	30	LSW
		10	22 8	26.89	19	25.60	155	16.32	2.06		1.3	8	1	180	.11	2	0.6	0.6	1	SNC L
		10	2222	57.03	19	16.10	155	32.74	10.40	3.5	3.8	54	11	57	.11	5	0.3	0.6	36	LSW F
		11	516	26.45	19	20.43	155	13.16	8.84		1.5	35	6	123	.09	4	0.4	0.6	23	SF2
		11	2243	25.27	19	19.85	155	8.52	7.52		1.3	32	5	179	.09	5	0.5	0.9	17	SF4
		12	4 3	42.81	19	21.71	155	12.72	2.50	0.9	1.6	28	6	107	.12	2	0.3	0.3	16	SER
		12	823	14.69	19	21.14	155	30.20	11.27		1.8	43	7	48	.10	5	0.3	0.6	19	KAO
		12	922	44.07	19	21.45	155	30.22	8.61			40	5	46	.11	5	0.4	0.7	33	KAO
		12	922	57.77	19	21.39	155	30.16	10.21	2.3	2.8	56	11	33	.06	5	0.3	0.5	42	KAO
		12	1122	52.62	19	26.27	154	55.17	5.99	1.3	1.9	39	4	180	.14	2	0.9	0.6	34	LER
		12	1230	25.30	19	11.46	155	42.25	6.21		1.4	37	5	126	.19	11	0.7	2.6	31	LSW
		12	1516	41.37	19	25.45	155	19.38	5.95		1.7	35	6	77	.11	3	0.3	0.6	30	KAO
		12	1747	12.17	19	21.36	155	3.03	7.90	1.3	2.3	35	3	194	.11	6	0.8	0.5	27	SF5
		12	23 7	28.84	19	22.78	155	7.58	3.52		1.1	20	3	160	.07	1	0.8	0.3	14	SER
		13	342	25.05	19	24.16	155	17.46	1.68		1.3	18	3	50	.10	2	0.2	0.2	16	SSC
		13	826	21.69	19	19.44	155	11.77	8.66		1.2	22	0	94	.07	5	0.5	1.1	20	SF3
		13	1348	35.20	19	14.19	155	26.72	7.82		2.0	38	2	108	.11	5	0.3	0.7	32	LSW
		13	1644	50.21	19	19.88	155	30.03	10.48		1.6	34	2	53	.07	6	0.3	0.6	21	KAO
		13	2132	54.10	19	20.33	155	12.06	8.22		1.2	32	4	110	.07	5	0.4	0.6	26	SF3
		14	834	51.40	19	17.37	155	12.85	7.39			36	4	149	.10	1	0.4	0.8	23	SF2
		14	835	21.86	19	17.34	155	12.83	6.99		1.5	26	4	154	.09	1	0.5	0.9	17	SF2
		14	838	18.30	19	18.16	155	12.73	6.31		2.7	35	3	112	.11	2	0.4	0.8	33	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	SEP	14	1014	43.70	19	20.46	155	10.89	9.24		1.7	23	4	78	.06	3	0.5	0.9	16	SF3
		14	1112	10.07	19	18.43	155	12.75	3.51		1.3	29	5	103	.11	3	0.3	0.6	21	SSF
		14	15 2	37.78	19	25.05	155	15.76	14.75		2.0	45	6	69	.09	2	0.5	0.2	38	DEP
		14	17 4	58.52	19	20.26	155	7.60	8.89		2.0	46	7	93	.10	5	0.4	0.5	37	SF4
		14	1918	20.06	19	25.15	155	15.76	14.82		2.0	53	11	70	.10	2	0.4	0.2	42	DEP
		14	1922	19.99	19	20.45	155	6.43	10.44		1.9	39	5	178	.08	6	0.7	0.4	33	SF4
		14	21 2	48.95	19	21.72	155	50.41	13.21	2.5	3.2	40	5	132	.12	11	0.5	0.3	31	KON
		14	21 9	48.94	19	22.17	155	49.20	8.44		1.9	27	2	117	.11	13	0.5	0.6	17	KON
		15	033	10.79	19	19.42	155	12.27	6.36		1.5	43	9	143	.10	5	0.4	0.6	28	SF3
		15	1612	24.88	19	16.00	155	8.46	39.95		2.2	53	9	188	.10	3	1.0	0.6	38	DEP
		15	21 7	4.71	19	20.66	155	6.66	9.39		1.6	33	5	184	.05	5	0.6	0.5	17	SF4
		16	533	13.58	19	31.90	155	52.98	9.25		1.6	25	5	237	.18	13	1.4	0.7	13	KON
		16	710	8.21	19	17.84	155	12.97	7.29		1.2	29	6	168	.09	2	0.4	0.7	17	SF2
		16	745	29.04	19	21.14	155	8.09	8.55		1.3	34	6	170	.10	4	0.5	0.4	18	SF4
		16	750	46.95	18	59.42	156	57.52	32.71		2.9	35	6	314	.11	118	2.3	3.4	24	DIS
		16	1044	3.59	19	19.93	155	9.65	7.66		1.4	33	6	84	.10	4	0.4	0.7	22	SF3
		16	1711	20.98	19	24.05	155	13.26	42.40		1.7	29	6	171	.10	2	1.6	0.8	10	DEP L
		16	1746	4.98	19	18.32	155	13.48	31.15		1.5	41	7	79	.10	2	0.6	0.8	32	DEP
		17	1546	26.01	20	27.82	155	27.85	9.29		2.2	29	7	306	.16	50	1.6	1.5	16	DIS
		17	19 2	36.19	19	20.09	155	13.07	9.15		1.4	31	4	68	.08	5	0.4	0.6	20	SF2
		18	736	1.17	19	17.62	155	23.32	8.26		1.2	28	6	99	.08	5	0.3	0.7	18	SWR
		18	839	58.44	19	17.89	155	29.93	10.40		1.9	26	5	63	.11	5	0.4	0.9	16	LSW
		18	957	3.59	19	28.20	155	38.68	12.66	1.2	2.4	20	5	209	.13	5	1.0	0.4	7	MLO L
		18	1455	50.28	19	10.21	155	30.18	31.86		1.5	41	7	113	.09	4	0.6	0.8	33	DLS
		18	2233	35.90	19	3.90	155	23.48	38.34		1.8	44	6	205	.09	13	0.8	0.9	39	LOI
		19	532	53.88	19	20.68	155	7.99	8.69	0.9	2.0	37	5	169	.10	5	0.5	0.5	32	SF4
		19	756	27.83	19	19.81	155	11.81	10.10	2.7	3.5	52	11	86	.11	6	0.3	0.4	45	SF3
		19	815	5.01	19	11.39	155	35.27	7.99	2.2	2.1	41	1	95	.18	7	0.5	0.9	40	LSW
		19	1724	1.26	19	25.12	155	16.17	11.76		1.7	17	4	163	.08	2	1.5	0.6	9	INT L
		20	10 6	43.70	19	19.51	155	11.96	7.98	1.8	2.4	48	8	91	.11	5	0.4	0.6	34	SF3
		20	2235	2.83	19	25.65	155	19.58	7.02	0.9		28	7	80	.11	3	0.4	0.7	18	KAO
		22	324	0.29	19	21.29	155	4.58	8.79	2.1	2.1	40	6	189	.12	6	0.6	0.5	23	SF5
		22	423	21.29	19	14.19	155	34.80	8.41	3.0	3.3	45	2	79	.16	4	0.4	0.6	38	LSW
		22	6 5	56.50	19	13.20	155	32.04	6.23		1.4	30	4	146	.15	5	0.5	1.0	24	LSW
		22	818	51.79	19	29.40	155	19.74	8.70		1.2	38	10	138	.12	4	0.5	0.5	27	KAO
		22	848	12.76	19	18.19	155	13.24	5.55		1.1	26	5	92	.09	2	0.4	0.9	16	SF2
		22	941	6.98	19	17.84	155	13.17	6.66		1.5	34	7	105	.10	2	0.4	0.7	18	SF2
		22	14 3	42.13	19	19.61	155	8.95	7.33	1.7	2.5	39	5	82	.12	5	0.4	0.7	31	SF4
		23	9 7	11.47	19	20.33	155	10.92	7.37		1.2	31	1	81	.09	4	0.4	1.0	20	SF3
		23	1117	26.40	19	32.38	155	54.93	23.24		1.9	24	1	203	.09	6	2.4	1.7	12	KON
		23	2326	12.07	19	20.02	155	7.28	9.35	2.1	2.7	41	6	137	.08	5	0.5	0.5	28	SF4
		24	714	37.83	19	20.10	155	11.52	8.40	1.4	1.9	31	6	82	.07	5	0.4	0.6	17	SF3
		24	12 5	40.67	18	55.89	155	3.89	15.12	1.4	2.0	44	7	274	.18	40	3.8	6.9	36	LOI
		24	1357	47.56	19	26.79	155	14.57	31.68		2.0	51	6	83	.10	4	0.6	0.8	40	DEP
		24	1739	8.04	19	24.07	155	15.55	10.88		1.7	16	5	117	.13	2	1.2	0.6	2	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	SEP	24	1857	8.96	19	19.78	155	8.18	9.47		1.7	34	5	86	.07	5	0.4	0.6	16	SF4
		24	2055	34.86	19	24.31	155	16.84	1.49		2.1	14	2	95	.16	1	0.4	0.3	4	SSC L
		25	1050	10.36	19	20.40	155	3.77	6.97		1.6	22	4	112	.05	2	0.3	0.7	9	SF5
		25	1129	0.16	19	22.74	155	18.31	31.03	2.3	3.1	67	18	29	.12	3	0.4	0.5	46	DEP
		26	9 3	40.62	17	22.68	154	5.07	27.77		3.5	49	3	335	.12	240	2.1	4.3	27	DIS
		27	131	16.04	20	11.79	155	46.39	32.24	1.7	2.5	35	4	300	.11	8	1.2	0.9	23	KOH
		27	732	19.60	19	28.06	154	53.84	7.67		1.3	35	3	123	.13	3	1.0	0.5	32	LER
		27	756	17.45	19	8.77	155	32.85	35.05		1.8	24	3	134	.09	9	0.9	1.7	19	DLS
		27	1058	26.16	19	20.24	155	17.35	7.51		2.3	50	12	69	.11	0	0.3	0.5	37	SWR
		27	1453	11.51	19	20.16	155	7.63	6.50		1.8	26	0	94	.11	5	0.5	1.2	23	SF4
		27	1613	37.51	19	22.16	155	28.97	10.15		2.2	51	7	36	.09	2	0.3	0.5	42	KAO
		27	1929	29.41	19	15.44	155	32.70	9.85		1.4	33	4	61	.16	5	0.4	0.8	30	LSW
		27	2037	10.82	19	21.81	155	6.76	8.42		1.2	32	2	186	.09	3	0.9	0.6	30	SF4
		28	1429	26.92	19	19.82	155	7.73	7.64		1.4	24	2	97	.08	5	0.5	1.1	17	SF4
		28	1730	50.92	21	11.51	156	10.55	6.45		2.3	27	3	337	.12	125	9.5	12.5	17	DIS -
		29	1813	23.91	19	47.36	155	34.01	14.45	1.4	3.0	37	6	94	.11	11	0.4	0.3	27	KEA
		30	1032	35.83	19	20.77	155	11.44	9.12	2.3	2.9	44	5	72	.11	4	0.4	0.5	36	SF3
	OCT	1	315	8.08	19	20.57	155	13.11	8.43		1.2	34	6	119	.09	4	0.4	0.5	24	SF2
		1	540	20.49	19	29.63	155	27.39	5.97	1.8	1.7	37	6	93	.09	4	0.3	1.1	28	KAO
		1	1139	49.67	19	20.52	155	7.04	6.50	1.2	2.0	35	3	97	.10	5	0.4	0.8	26	SF4
		1	13 7	51.07	19	23.60	155	16.90	3.14		2.6	17	2	46	.06	0	0.3	0.3	13	SSC
		1	1323	36.18	19	20.03	155	12.12	8.84	1.2	2.3	40	5	79	.10	5	0.4	0.6	28	SF3
		1	1919	20.99	19	23.62	155	16.90	3.16		2.3	22	4	44	.09	0	0.3	0.2	15	SSC
		1	1924	49.09	19	25.70	155	29.93	10.14		1.6	28	2	65	.08	7	0.4	1.0	25	KAO
		1	2032	0.70	19	26.12	155	22.34	8.71	0.9	1.6	40	6	40	.11	4	0.3	0.6	32	KAO
		1	2050	25.67	19	15.71	155	22.18	8.24		1.7	29	5	160	.09	4	0.4	0.9	23	SWR
		1	2258	57.64	19	20.03	155	11.92	8.60	2.4	3.0	47	7	139	.11	5	0.4	0.5	32	SF3
		2	526	7.59	19	24.76	155	16.82	1.04		1.9	18	3	89	.14	0	0.4	0.3	9	SNC L
		2	721	5.09	19	24.20	155	17.40	1.67	0.8	2.2	20	5	52	.08	1	0.3	0.2	10	SSC L
		2	1012	50.15	19	21.79	155	12.61	3.18	1.2	2.0	27	5	55	.06	2	0.3	0.3	21	SER
		2	13 0	26.58	19	22.19	155	10.69	3.14		1.6	24	2	59	.07	1	0.4	0.4	20	SER
		2	1951	41.93	19	21.42	155	4.33	9.71	4.2	4.3	57	10	173	.12	5	0.5	0.4	45	SF5 F
		2	1959	23.58	19	21.08	155	3.99	8.86	2.1	2.6	43	6	184	.09	6	0.6	0.4	39	SF5
		2	20 5	33.47	19	21.30	155	4.01	8.72	2.9	3.3	53	6	174	.10	6	0.6	0.4	45	SF5
		2	2025	26.44	19	20.81	155	3.86	8.55	1.8	2.3	41	2	195	.09	7	0.7	0.6	27	SF5
		3	1945	2.04	19	29.56	155	27.68	5.13	1.2	1.6	36	7	57	.11	5	0.3	1.8	23	KAO
		4	414	16.99	19	17.39	155	23.26	2.35		1.1	19	2	159	.09	5	0.5	0.9	14	SWR
		4	14 2	49.21	19	21.39	155	18.65	3.87		1.7	34	6	42	.11	3	0.3	0.6	26	SWR
		4	1420	18.36	19	18.72	155	14.82	6.33		1.1	26	0	116	.10	4	0.5	1.2	20	SF1
		5	310	10.51	19	18.84	155	14.82	7.47		1.2	30	1	98	.10	4	0.5	1.0	22	SF1
		6	1044	9.56	19	26.89	155	29.93	11.63		1.4	26	4	55	.11	6	0.4	1.0	19	KAO
		6	1957	27.23	19	20.29	155	13.40	8.91	1.4	2.1	43	6	112	.10	4	0.4	0.5	30	SF2
		7	3 3	15.92	19	11.90	155	38.01	12.55	1.6	2.7	31	9	99	.12	6	0.3	0.8	15	LSW
		7	5 5	31.47	19	52.57	155	9.83	14.88	2.1	2.4	23	1	236	.10	19	2.0	1.0	16	KEA
		7	755	52.20	19	21.29	155	30.24	9.67		1.4	26	4	48	.09	5	0.3	0.8	21	KAO

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	OCT	7	1013	8.46	19	16.88	155	24.87	7.31		1.8	35	5	73	.15	5	0.4	0.9	26	SWR
		7	2133	3.43	19	24.48	155	16.83	15.21		1.3	12	3	155	.11	2	1.7	1.4	6	DEP L
		8	3 7	52.42	19	18.52	155	13.68	7.96		1.2	34	5	110	.06	3	0.3	0.6	24	SF2
		8	6 7	7.80	19	23.11	155	2.28	8.22	1.1	1.8	39	4	181	.12	4	0.6	0.4	18	SF5
		8	742	3.44	19	20.47	155	10.80	9.41	2.1	2.6	45	5	123	.09	3	0.4	0.5	32	SF3
		9	758	12.43	19	12.38	155	30.53	7.11		2.0	34	4	142	.17	5	0.4	1.0	24	LSW
		9	855	26.70	19	20.77	155	3.80	5.30	0.9	2.6	35	5	93	.11	2	0.4	0.9	28	SF5
		9	14 2	58.77	19	19.99	155	8.89	7.25		1.4	29	5	75	.09	4	0.3	0.6	15	SF4
		9	1447	23.31	19	31.26	156	1.20	14.81	1.8	3.0	35	4	254	.14	11	1.1	0.5	23	KON
		9	1938	16.27	19	23.01	155	26.52	9.94		1.2	34	4	44	.12	2	0.3	0.6	25	KAO
		9	2125	26.21	19	44.57	155	0.15	49.80	4.3	4.7	66	18	213	.11	5	0.7	1.0	49	HIL F
		10	323	50.87	19	12.26	155	32.52	7.57		1.2	37	6	86	.14	7	0.5	1.0	31	LSW
		10	1058	24.92	19	24.72	155	17.38	3.00		1.1	9	2	99	.12	1	0.8	0.7	5	SNC L
		10	1311	24.18	19	20.42	155	6.93	7.63	1.6	1.7	31	1	101	.10	5	0.5	0.7	21	SF4
		11	1235	30.56	19	19.47	155	12.21	6.54		1.3	15	1	209	.11	6	1.1	1.6	11	SF3
		11	1242	46.81	19	17.80	155	12.87	6.73		1.2	12	0	231	.05	9	1.3	1.9	10	SF2
		12	20 1	53.96	19	4.24	155	7.52	44.24	1.7		49	4	230	.10	24	0.9	1.1	42	LOI
		13	1351	4.77	19	24.57	155	19.43	7.19		1.3	30	7	72	.10	2	0.4	0.7	21	KAO
		13	2016	52.57	19	58.20	155	38.35	11.95	1.1	1.2	18	3	145	.10	12	0.6	0.6	12	KOH
		14	619	49.27	19	19.35	155	11.43	5.79	0.9	1.7	39	7	99	.12	6	0.4	0.9	30	SF3
		14	9 2	1.41	19	24.07	155	17.46	1.19		1.2	18	4	51	.08	2	0.2	0.3	10	SSC L
		14	9 8	6.18	19	24.02	155	17.51	0.19	0.8	1.4	11	3	100	.09	2	0.2	0.6	2	SSC L
		14	12 4	1.44	19	24.39	155	17.01	1.34		1.2	11	3	83	.09	1	0.3	0.3	5	SSC L
		14	1212	36.73	19	22.66	155	26.65	10.41		1.7	38	6	44	.10	2	0.3	0.6	28	KAO
		14	1755	50.32	19	29.32	155	26.02	6.09	2.5	3.2	56	12	58	.13	5	0.3	0.8	45	KAO F
		15	043	34.37	19	23.77	155	17.14	2.17	0.8	1.6	14	2	69	.13	1	0.6	0.3	6	SSC L
		15	045	15.48	19	24.25	155	17.49	1.87		1.2	13	3	99	.10	1	0.4	0.4	3	SSC L
		16	5 3	31.15	19	15.01	155	30.41	8.51		2.0	40	4	60	.14	1	0.4	0.7	25	LSW
		16	1153	45.30	19	29.01	155	26.25	3.32	1.5	1.8	36	9	74	.11	5	0.2	0.7	19	KAO
		17	250	9.84	19	59.43	155	21.53	14.53		1.7	34	3	205	.07	11	0.8	0.5	31	KEA
		17	721	39.75	19	21.26	155	7.99	9.32		1.4	45	9	74	.06	4	0.4	0.5	32	SF4
		17	1348	29.61	19	41.70	155	1.98	0.02	1.7	2.5	9	0	131	.17	1	2.5	2.9	7	HIL B*
		17	1623	36.18	19	21.03	155	5.87	7.19		1.2	36	5	97	.12	5	0.5	0.7	30	SF4
		18	1222	44.54	19	25.17	155	20.13	6.95			28	5	116	.12	3	0.4	0.8	24	KAO
		18	2126	27.01	20	8.19	155	31.79	1.69		1.2	31	8	286	.09	34	1.1	0.6	18	KEA
		19	532	55.73	19	45.56	155	35.25	5.51	1.0	1.5	24	4	113	.15	14	0.6	2.2	13	KEA
		19	1251	10.50	19	24.97	155	16.42	11.36	1.1	2.2	17	3	154	.07	1	0.9	0.4	7	INT L
		19	1357	46.49	19	24.44	155	3.25	4.17		1.2	19	2	96	.09	1	0.4	0.4	13	SME
		19	1540	27.13	19	24.49	155	17.32	1.75	0.8	2.1	17	4	52	.10	1	0.4	0.2	7	SSC L
		20	245	20.80	19	20.12	155	7.72	9.38	2.8	3.1	49	9	93	.09	5	0.3	0.4	36	SF4
		20	2128	59.60	19	26.14	155	16.43	12.73	0.8	2.1	16	3	131	.09	2	1.0	0.7	7	INT L
		21	151	35.84	19	24.75	155	15.83	11.01	1.3		15	3	106	.11	2	1.3	0.6	7	INT L
		21	2 1	4.45	19	25.68	155	17.47	9.47	0.8	1.5	13	4	112	.17	1	1.6	0.9	2	INT L
		21	1023	44.92	19	20.22	155	7.28	8.62	1.8	2.1	33	10	99	.07	5	0.4	0.6	17	SF4
		21	2015	8.61	19	24.23	155	37.74	0.02	1.2	2.0	17	1	92	.16	6	0.5	1.3	12	MLO

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	OCT	22	1 2	39.95	19	20.37	155	7.09	7.62	1.2	1.3	26	0	100	.08	6	0.5	0.9	16	SF4
		22	235	1.11	19	26.52	154	55.50	5.59	1.1	1.2	25	1	150	.13	2	1.1	0.7	11	LER
		22	1031	40.05	19	20.82	155	3.79	6.95	1.3	1.9	38	2	91	.09	2	0.4	0.6	22	SF5
		23	1624	48.88	19	19.80	155	12.39	7.79	1.2	1.7	40	6	81	.09	5	0.3	0.6	31	SF2
		23	1914	1.12	19	20.96	155	48.61	12.32	2.2	2.8	43	6	109	.12	11	0.6	0.4	38	KON
		23	2311	47.93	19	20.71	155	13.03	8.72	0.9	1.7	40	7	62	.09	4	0.3	0.4	34	SF2
		24	18 7	29.51	20	21.46	156	3.18	29.67		2.9	18	3	322	.11	38	1.7	1.8	16	KOH
		26	159	27.28	19	6.94	155	41.04	9.52		1.3	21	5	139	.11	15	0.5	1.5	17	LSW
		26	1617	54.30	19	25.94	155	16.79	11.07	0.8	2.1	14	4	128	.06	2	1.1	0.9	10	INT L
		26	1824	13.62	19	19.44	155	11.50	6.81	1.2	2.2	41	6	97	.11	6	0.4	0.7	26	SF3
		26	1846	4.65	19	29.66	155	27.69	6.45	1.9	1.9	43	10	57	.11	4	0.3	0.9	28	KAO
		26	2019	43.88	19	25.07	155	16.19	10.64	1.1	1.9	14	4	111	.08	1	1.8	0.9	6	INT L
		26	2038	8.92	19	25.00	155	16.00	9.76		1.2	11	4	206	.06	2	1.8	1.1	6	INT L
		27	232	34.08	19	11.46	155	41.54	1.94		1.2	28	8	122	.14	10	0.4	0.5	13	LSW
		27	310	12.22	19	11.40	155	28.42	6.77	1.5	2.3	41	2	92	.13	4	0.4	0.7	33	LSW F
		27	1025	52.41	19	11.46	155	26.71	6.87		0.9	24	4	139	.14	4	0.5	0.9	17	LSW
		27	2256	21.13	20	39.85	156	11.03	7.10		1.6	31	6	326	.10	73	7.9	10.4	25	DIS -
		28	4 2	58.07	19	20.23	155	7.98	8.24		1.1	48	11	86	.09	5	0.4	0.5	36	SF4
		28	527	55.33	19	24.86	155	38.15	1.31		2.3	46	9	71	.17	6	0.3	0.5	36	MLO
		28	743	8.37	19	54.06	155	29.13	17.64		1.5	43	4	184	.10	14	0.8	1.3	40	KEA
		28	930	37.80	19	21.34	155	30.26	10.01		2.0	49	6	32	.10	5	0.3	0.6	39	KAO
		28	10 3	46.19	19	30.42	155	16.75	24.41	1.2	1.4	55	12	98	.10	5	0.4	0.6	44	DEP
		30	013	59.93	19	10.59	155	15.78	48.51		1.5	51	8	191	.09	13	0.7	0.7	41	DEP
		30	1 2	17.80	19	18.74	155	15.07	6.03	0.9	1.1	40	5	95	.11	4	0.3	0.7	32	SF1
		30	516	30.48	19	23.42	155	27.29	4.98		1.5	34	2	37	.11	2	0.3	0.6	28	KAO
		30	933	21.29	19	18.45	155	13.13	8.15	1.2	1.5	40	3	91	.10	3	0.4	0.5	36	SF2
		30	1244	3.07	19	19.57	155	11.69	8.14	1.2	1.7	45	7	92	.10	6	0.3	0.5	33	SF3
		30	19 0	10.94	19	24.78	155	16.65	10.57	1.1	1.9	27	5	92	.10	1	0.4	0.5	22	INT L
		31	023	44.69	19	23.86	155	16.29	6.53		1.3	16	2	97	.04	1	0.4	0.7	15	INT L
		31	739	57.38	19	26.08	155	17.28	12.85	0.8	2.1	15	3	114	.05	1	0.9	0.6	11	INT L
		31	1754	49.30	19	25.46	155	14.91	11.74	0.8	1.4	19	3	160	.12	2	1.0	0.8	16	INT L
	NOV	1	214	26.62	19	19.53	155	11.09	8.78	0.9	1.6	47	8	96	.11	5	0.3	0.5	41	SF3
		1	322	14.24	19	24.78	155	17.69	11.85	0.9	1.9	22	6	54	.12	1	0.7	0.7	16	INT L
		1	826	16.07	19	25.00	155	16.59	10.12	1.1	2.6	24	4	67	.09	1	0.5	0.6	20	INT L
		1	1334	24.98	19	24.54	155	16.35	10.42	0.8	2.0	19	4	90	.06	1	0.9	0.5	17	INT L
		1	1815	4.98	19	57.91	155	16.96	13.53	1.1	1.7	34	3	216	.10	10	1.1	0.5	31	KEA
		1	2050	51.26	19	56.89	155	47.36	12.99	1.6	2.6	35	3	171	.11	17	0.7	0.5	32	KOH
		2	047	9.01	19	53.44	155	45.70	13.49		1.5	25	4	156	.10	11	1.3	0.4	18	HUA
		2	235	31.48	19	51.05	155	43.96	11.31		1.6	22	2	230	.12	8	1.3	0.5	22	HUA
		2	3 7	18.29	19	52.45	155	44.61	11.77	1.2	2.3	43	8	147	.16	9	0.4	0.4	26	HUA
		2	1326	11.16	19	26.51	155	22.27	10.66		1.2	42	9	89	.11	6	0.4	0.6	32	KAO
		3	048	36.96	19	21.31	155	8.00	9.23		2.3	47	6	73	.07	4	0.3	0.3	32	SF4
		3	1811	6.01	19	18.09	155	29.23	13.07	1.8	2.5	56	12	44	.09	6	0.3	0.4	38	DLS
		3	2147	38.30	19	52.22	155	44.82	11.79	1.6	2.4	45	5	148	.14	9	0.5	0.4	32	HUA
		4	457	0.04	19	19.38	155	9.96	7.98		1.4	45	7	99	.09	5	0.4	0.5	33	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK	
1992	NOV	4	9 0	9.55	19	16.73	155	24.91	10.40		1.6	34	4	72	.14	5	0.4	0.9	29	SWR	
		5	4 6	13.87	19	26.80	155	29.90	8.39		1.2	43	5	42	.11	6	0.3	0.7	25	KAO	
		5	558	11.87	19	59.79	155	51.23	0.02		1.9	29	2	205	.10	17	0.7	0.3	30	KOH	
		5	1324	20.06	19	52.13	155	44.71	10.65		2.0	28	4	147	.11	9	0.4	0.6	19	HUA	
		5	1652	38.51	19	26.54	155	28.88	9.40		1.6	53	12	42	.11	7	0.3	0.6	35	KAO	
		5	1656	41.12	19	52.25	155	45.77	12.56	2.5	3.2	53	12	155	.11	11	0.3	0.3	38	HUA	
		5	17 3	47.47	19	52.01	155	45.49	12.65	1.6	2.0	36	5	153	.10	10	0.4	0.3	28	HUA	
		5	2118	59.51	19	20.17	155	6.61	8.35	1.2	1.5	35	4	111	.10	6	0.4	0.7	24	SF4	
		5	2134	18.89	19	21.13	155	6.96	6.84	0.9	1.4	35	4	87	.11	4	0.4	0.6	27	SF4	
		6	716	13.47	20	2.68	155	34.14	34.40		1.8	49	11	270	.09	23	0.7	0.8	34	KOH	
		6	1254	12.68	19	20.24	155	7.43	8.53	1.9	2.4	49	11	96	.08	5	0.3	0.4	26	SF4	
		7	19 6	43.19	19	21.64	155	30.38	9.11	2.6	2.7	56	16	33	.10	5	0.3	0.5	42	KAO	
		7	1921	48.86	19	21.52	155	30.15	9.74	3.0	3.8	58	15	53	.11	5	0.3	0.5	44	KAO	
		7	2044	37.01	19	21.49	155	30.13	10.02		1.2	45	7	34	.08	5	0.3	0.6	35	KAO	
		8	231	55.05	19	20.22	155	7.57	9.04	2.8	2.6	52	10	94	.09	5	0.3	0.4	40	SF4	
		8	1957	42.00	19	14.31	155	26.89	9.67	1.2	1.7	41	7	102	.13	5	0.4	0.6	29	LSW	
		11	131	27.38	19	18.81	155	12.91	8.14	2.1	2.2	56	14	90	.11	3	0.3	0.5	43	SF2	
		11	4 6	39.56	19	8.71	155	37.36	0.03		1.7	45	10	110	.15	11	0.3	0.2	29	LSW	*
		11	1417	1.53	19	25.62	154	54.34	1.73	2.0		35	5	196	.13	4	0.4	0.3	25	SLE	
		12	212	46.34	19	24.79	155	17.39	11.94	2.1	3.1	27	5	51	.13	1	0.8	0.6	23	INT L	
		12	1141	32.90	19	22.80	155	14.41	1.56		1.8	17	1	83	.07	2	0.3	0.3	12	SEC	
		12	1819	53.29	19	14.74	155	34.74	8.10		1.3	40	7	106	.17	4	0.6	0.9	31	LSW	
		13	2038	23.66	19	19.86	155	26.06	10.62		1.3	43	6	55	.12	5	0.4	0.6	34	KAO	
		14	1 1	1.18	19	15.82	155	27.65	10.92	2.1	3.1	48	6	71	.13	5	0.4	0.6	38	LSW	
		14	935	9.66	19	28.99	155	26.17	1.08		1.7	31	6	98	.13	5	0.3	0.4	26	KAO	
		14	1633	15.76	19	19.07	155	13.31	9.08	2.5	3.1	57	16	77	.11	4	0.4	0.4	42	SF2	
		15	041	47.62	19	20.13	155	8.34	8.81	1.8	2.4	50	10	80	.11	4	0.4	0.5	39	SF4	
		15	453	12.84	19	20.47	155	12.72	8.84	1.4	1.9	47	8	68	.10	4	0.4	0.4	38	SF2	
		15	2016	40.01	19	49.78	155	42.02	16.43		1.3	22	7	188	.11	5	1.4	1.2	7	KEA	
		16	015	50.45	19	25.58	155	20.36	8.06		2.2	54	12	57	.11	4	0.3	0.5	40	KAO	
		16	627	24.60	19	28.65	155	27.48	5.27		1.2	37	7	76	.13	6	0.3	1.8	31	KAO	
		17	5 0	23.17	19	18.72	155	13.34	7.81	0.9	1.5	44	10	80	.11	3	0.3	0.6	30	SF2	
		17	537	57.65	19	20.32	155	6.54	8.85	1.2	1.2	27	4	108	.06	6	0.5	0.7	21	SF4	
		17	10 3	5.80	19	23.36	155	22.52	10.26		1.2	42	8	57	.08	5	0.4	0.6	33	KAO	
		17	1257	32.13	19	23.73	155	30.03	9.79		1.2	35	5	44	.08	5	0.4	0.7	32	KAO	
		18	610	0.56	19	25.35	155	19.34	6.80	1.2	1.7	33	4	47	.10	3	0.4	0.8	24	KAO	
		18	656	35.02	19	25.34	155	19.19	7.49		1.4	26	3	84	.11	3	0.4	1.0	22	KAO	
		18	21 3	47.45	19	20.59	155	6.50	7.84	2.1	2.0	52	13	102	.09	5	0.3	0.5	29	SF4	
		19	235	9.66	19	20.43	155	6.43	7.87	0.9	1.6	30	1	106	.08	6	0.4	0.7	22	SF4	
		19	344	33.07	19	25.90	154	59.38	3.56	1.7	1.7	24	4	106	.09	2	0.5	0.5	16	SLE	
		19	1018	47.34	19	19.89	155	8.30	8.60	2.1	2.8	43	5	83	.07	5	0.4	0.5	34	SF4	
		21	119	48.29	19	26.22	154	53.75	6.56	1.1	1.2	36	3	196	.13	4	1.0	0.7	33	LER	
		22	1927	37.32	19	19.34	155	7.66	7.29		2.1	22	3	171	.11	7	0.7	1.3	16	SF4	
		23	1340	37.68	19	17.60	155	13.05	7.14		1.2	25	2	123	.09	1	0.5	0.9	18	SF2	
		23	2256	3.20	19	19.39	155	21.28	33.68	2.2	3.0	58	13	89	.11	4	0.6	0.6	45	DEP	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	NOV	24	253	23.36	20	24.15	156	24.66	24.55	1.9	3.6	48	4	318	.17	73	1.4	4.3	44	DIS
		24	256	36.74	19	26.58	155	28.87	9.66		1.2	40	4	42	.09	7	0.3	0.7	34	KAO
		24	2023	17.52	19	20.17	155	12.92	6.75		1.1	30	1	70	.11	5	0.5	0.9	21	SF2
		24	2344	30.11	19	50.25	155	36.10	16.39	2.6	2.8	49	5	106	.10	16	0.5	4.2	42	KEA
		25	028	35.91	19	8.76	155	33.55	6.92		1.6	24	1	130	.15	10	0.5	1.7	15	LSW
		25	1643	37.88	19	18.58	155	15.28	5.77		1.2	27	2	111	.11	4	0.5	1.2	19	SF1
		25	2123	33.38	19	17.84	155	27.86	9.85		1.7	33	2	47	.11	6	0.4	0.7	17	LSW
		26	046	23.71	19	20.25	155	4.72	6.13	1.3	1.6	29	3	126	.11	3	0.5	0.9	18	SF5
		26	16 9	54.13	19	25.76	155	16.09	14.62		1.5	47	7	74	.10	2	0.5	0.2	40	DEP
		26	1725	11.92	19	18.39	155	13.54	9.06	2.2	2.7	45	6	85	.10	3	0.5	0.5	33	SF2
		26	1728	33.25	19	18.43	155	13.62	7.11		1.2	27	3	74	.09	3	0.5	0.9	16	SF2
		26	1733	33.02	19	18.54	155	13.56	6.09		1.5	33	1	74	.10	3	0.4	0.9	17	SF2
		26	2018	51.26	19	58.22	155	29.33	45.99		1.9	41	6	244	.07	18	0.8	1.1	25	KEA
		26	2139	49.85	19	26.97	155	14.52	32.25	2.1	2.6	60	13	83	.11	4	0.5	0.6	46	DEP
		27	435	51.65	19	26.95	155	14.51	30.37		1.5	52	10	83	.11	4	0.5	0.6	42	DEP
		27	2031	18.33	19	24.34	155	15.94	5.28		1.9	12	4	133	.08	1	1.0	1.2	1	INT L
		28	242	38.81	19	18.76	155	13.37	8.79	2.1	2.5	43	4	79	.09	3	0.4	0.5	36	SF2
		28	648	6.09	19	24.22	155	16.85	11.14	0.9	2.1	17	3	91	.07	1	0.8	0.9	15	INT L
		28	1119	42.29	19	23.94	155	16.58	10.29	0.9	2.3	19	5	87	.10	0	0.7	0.7	15	INT L
		28	1120	56.35	19	24.26	155	16.74	10.20	0.9	2.0	13	5	100	.13	1	1.3	0.8	4	INT L
		28	1128	48.33	19	24.06	155	17.90	11.41	0.9	1.9	16	3	71	.12	2	0.8	1.2	13	INT L
		28	1139	39.18	19	23.62	155	17.83	8.97	0.9	1.9	19	3	50	.14	2	0.7	1.1	17	INT L
		28	1153	51.02	19	28.91	155	45.84	0.11		1.2	24	3	136	.21	17	0.8	0.4	21	KON
		28	1158	13.48	19	25.37	155	17.13	10.09	1.1	2.3	21	3	93	.12	1	0.6	0.7	18	INT L
		28	12 3	50.69	19	22.02	155	16.73	6.58	0.9		15	4	110	.07	2	0.6	1.1	12	SF1 L
		28	12 4	48.95	19	23.99	155	17.78	13.11		1.9	12	5	192	.10	2	1.6	0.9	3	DEP L
		29	710	40.48	19	20.08	155	3.81	7.52		1.2	37	7	135	.10	2	0.4	0.5	31	SF5
		30	218	49.99	19	24.27	155	17.46	2.08		1.6	15	5	99	.10	1	0.4	0.3	9	SSC L
		30	447	13.98	19	17.09	155	13.93	8.20		1.2	28	5	166	.08	1	0.4	0.6	21	SF2
		30	1221	5.00	19	1.12	155	26.98	42.57		1.7	35	6	222	.09	16	1.2	1.0	29	DLS
		30	1244	30.91	19	21.28	155	5.96	9.33		2.1	42	8	91	.07	5	0.4	0.5	30	SF4
		30	1251	4.34	19	0.89	155	27.20	43.03		2.4	44	9	214	.08	16	0.9	0.9	35	DLS
		30	1844	55.80	19	22.99	155	30.27	10.34		1.3	44	6	37	.08	5	0.3	0.6	39	KAO
	DEC	1	1233	16.83	18	57.18	155	13.57	35.72		1.9	48	11	283	.12	34	1.4	1.4	33	LOI
		2	850	36.38	19	13.83	155	23.49	33.74		2.1	52	10	148	.10	1	0.6	0.8	42	DEP
		2	10 4	40.53	19	22.30	155	29.85	9.98	1.7	2.6	45	6	34	.08	4	0.3	0.6	35	KAO
		3	050	2.88	19	19.52	155	11.12	8.16		1.2	43	8	97	.09	5	0.4	0.6	34	SF3
		3	10 0	37.45	20	47.24	156	22.03	7.14	3.0	3.6	53	8	328	.12	95	8.5	11.0	46	DIS F-
		3	1811	46.68	19	19.13	155	8.57	8.29		1.4	43	7	82	.10	3	0.4	0.5	34	SF4
		4	625	33.54	19	20.21	155	3.97	8.37	1.2	1.3	38	5	126	.10	2	0.4	0.5	33	SF5
		4	1917	16.49	19	16.63	155	29.69	11.08		1.1	24	2	62	.13	3	0.5	1.1	15	LSW
		5	940	15.62	19	18.11	155	26.48	10.56		1.4	29	2	53	.10	7	0.5	0.6	19	LSW
		5	1430	50.03	19	21.29	155	18.77	3.19		1.1	21	2	54	.08	3	0.3	0.7	14	SWR
		5	1720	30.98	19	20.07	155	8.13	8.36		1.1	22	2	85	.05	5	0.5	0.9	14	SF4
		6	1224	18.96	19	20.28	155	12.71	9.30		1.2	21	1	70	.06	4	0.5	1.1	17	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	DEC	6	2036	17.39	19	20.98	155	29.60	6.11		1.6	35	2	52	.10	4	0.3	0.7	23	KAO
		7	926	49.19	19	26.34	155	17.52	14.51		2.3	15	3	126	.10	2	1.9	1.0	12	DEP L
		7	11 1	41.56	19	50.78	156	4.94	31.97		2.0	43	4	244	.10	44	1.0	1.4	29	HUA
		7	1353	27.92	19	34.24	156	23.95	3.50		1.6	24	2	297	.16	60	2.5	3.5	13	DIS
		7	1653	40.17	19	22.82	155	3.55	7.11		0.9	24	1	155	.14	3	0.8	1.0	20	SF5
		7	1846	56.90	19	8.57	155	37.10	8.72		0.9	17	1	113	.13	12	0.8	1.6	8	LSW
		7	2144	31.29	19	30.51	155	26.19	5.12		0.9	14	3	129	.11	4	0.5	1.8	6	MLO
		8	810	3.58	19	21.62	155	30.61	9.42		2.4	42	4	33	.10	5	0.3	0.6	33	KAO
		8	1127	22.12	19	18.66	155	13.42	8.91		3.5	44	3	78	.11	3	0.4	0.4	38	SF2
		8	1130	52.15	19	18.21	155	13.16	8.34		1.2	28	4	95	.08	2	0.4	0.7	13	SF2
		8	1438	22.91	19	22.79	155	25.04	10.57		1.2	28	3	61	.09	5	0.4	0.6	23	KAO
		8	1930	15.35	19	26.76	155	28.77	9.49		1.1	36	5	43	.10	7	0.3	0.7	26	KAO
		9	228	31.29	19	24.68	155	16.39	0.51		2.0	17	2	111	.13	1	0.3	0.4	13	SNC L
		9	438	14.70	19	14.69	155	21.83	6.31		1.0	26	0	155	.10	4	0.6	1.4	15	SWR
		9	528	18.58	19	26.51	155	18.55	13.38	0.8	2.1	13	3	155	.16	3	1.3	1.3	1	DEP L
		9	1241	31.87	19	29.26	155	26.37	5.32	1.8	2.2	43	9	57	.13	5	0.3	1.2	24	KAO
		9	1348	1.67	19	11.00	155	38.39	7.86	1.8	2.2	36	2	104	.17	8	0.6	0.9	17	LSW
		9	15 6	6.56	19	18.49	155	13.38	7.71		1.0	29	5	82	.11	3	0.4	0.7	22	SF2
		9	21 2	37.11	19	24.42	155	16.44	0.51		1.2	16	5	129	.07	1	0.2	0.3	11	SEC L
		9	2139	21.09	19	20.42	155	10.72	8.51		1.1	37	7	82	.08	3	0.4	0.6	28	SF3
		9	2147	6.39	19	20.26	155	10.96	7.15		1.4	41	7	82	.12	4	0.4	0.7	30	SF3
		10	10 9	42.95	19	23.91	155	18.90	3.24		1.5	8	1	105	.10	1	0.7	0.7	1	SSC L
		11	017	26.85	19	22.49	155	47.91	10.51		1.0	35	4	141	.10	14	0.5	0.4	31	KON
		11	828	45.52	19	21.87	155	13.11	3.36		1.1	30	10	72	.08	1	0.3	0.3	20	SER
		11	843	16.75	19	11.05	155	32.70	2.54		1.2	24	0	102	.18	9	0.7	4.6	14	LSW *
		11	1442	31.95	19	23.30	155	16.42	0.07		2.0	16	3	57	.11	1	0.2	0.2	13	SEC L
		11	1554	26.62	19	12.92	155	30.08	7.87		1.7	31	4	139	.15	4	0.4	0.9	21	LSW
		12	114	8.56	19	24.79	155	16.03	1.17		1.8	17	2	105	.09	2	0.3	0.3	15	SNC L
		12	7 5	53.24	19	25.70	155	14.65	12.07	0.8	2.3	20	3	152	.13	2	1.2	0.8	19	INT L
		14	2015	23.88	19	24.62	155	17.43	3.33		1.1	13	4	102	.10	1	0.6	0.5	2	SNC L
		15	848	17.08	19	18.30	155	13.17	7.31	1.2	2.0	48	10	93	.12	2	0.4	0.6	37	SF2
		16	923	36.70	19	10.46	155	22.27	45.99	2.5	3.3	54	8	174	.10	8	0.7	0.8	47	DEP
		16	1521	34.02	19	14.16	155	32.52	8.94	2.5	2.9	51	11	117	.13	5	0.4	0.6	42	LSW
		16	2347	11.95	19	19.85	155	11.41	8.35	0.9	1.4	42	7	88	.11	5	0.4	0.6	30	SF3
		17	3 1	46.74	19	13.46	155	23.14	36.70		2.2	49	7	154	.10	2	0.6	1.0	41	DEP
		17	521	15.89	19	24.58	155	17.20	2.19		1.1	19	5	57	.09	1	0.3	0.2	14	SNC L
		17	830	44.38	19	18.10	155	29.35	12.59		1.2	25	5	55	.07	6	0.5	0.8	17	LSW
		17	1549	44.90	19	5.40	156	12.13	39.06	2.1	2.8	46	6	287	.11	40	1.1	1.2	40	KON
		18	827	32.70	19	28.13	155	0.85	44.24		1.6	43	6	115	.10	7	0.9	1.1	26	DEP
		18	1152	21.25	19	18.69	155	13.16	9.88	2.3	3.0	47	8	132	.09	7	0.4	0.5	33	SF2
		18	1252	15.69	19	24.58	155	26.95	10.24		1.2	29	3	49	.09	3	0.4	0.7	20	KAO
		18	1333	32.26	19	18.07	155	13.14	7.76	1.2	2.1	35	7	99	.08	2	0.4	0.7	22	SF2
		18	15 1	43.63	19	17.89	155	13.14	8.52		1.4	27	5	104	.09	2	0.5	0.9	19	SF2
		19	412	59.60	19	26.06	155	15.71	2.37	1.8		23	3	113	.12	3	0.4	0.4	20	SNC L
		19	1751	11.69	19	11.84	155	27.47	6.59		1.4	27	4	117	.15	4	0.5	1.1	21	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	DEC	19	1754	44.26	20	8.22	155	37.85	35.05	1.6	1.8	42	7	225	.10	16	0.8	0.8	33	KOH
		19	1856	45.46	19	25.62	155	17.26	8.70	1.7	2.2	18	3	106	.10	1	1.1	0.6	17	INT L
		19	2328	31.20	19	8.07	155	21.68	42.35		1.9	47	6	187	.09	11	0.8	0.9	40	LOI
		20	1253	25.85	20	8.01	155	46.26	18.23		1.6	29	4	244	.15	1	1.1	0.9	22	KOH
		20	1439	31.31	19	45.88	156	37.72	44.63		2.3	21	4	314	.11	83	2.1	3.7	9	DIS
		20	2120	16.23	19	20.96	155	8.13	9.57	1.8	2.4	52	9	75	.08	4	0.4	0.4	42	SF4
		21	548	12.22	19	58.59	155	51.22	39.44		2.1	43	5	272	.09	24	1.2	0.9	32	KOH
		21	1039	58.98	19	19.77	155	6.89	8.27		1.7	44	9	115	.09	5	0.4	0.6	31	SF4
		21	1055	26.89	19	7.97	155	21.63	42.74		1.7	36	2	188	.10	11	1.0	1.5	34	LOI
		21	1412	48.73	19	24.52	155	17.18	2.52		1.3	15	2	63	.08	1	0.5	0.3	9	SSC L
		21	1832	31.07	19	18.94	155	28.34	11.56		1.4	27	3	41	.10	7	0.4	0.8	15	LSW
		21	1842	7.78	19	26.78	155	29.93	10.18		1.4	49	10	42	.10	9	0.3	0.5	40	KAO
		22	012	54.12	19	17.77	155	13.09	8.03		1.7	40	7	112	.10	2	0.4	0.6	30	SF2
		22	058	59.73	19	17.90	155	13.12	7.69		1.2	29	5	123	.08	2	0.5	0.7	18	SF2
		22	1115	15.48	19	19.21	155	8.91	8.90	2.1	2.6	38	7	90	.08	4	0.4	0.6	29	SF4
		22	1654	4.47	19	22.82	155	30.64	9.57		1.4	35	3	48	.06	5	0.3	0.7	24	KAO
		23	2212	41.65	19	46.81	155	45.88	15.86	2.3	3.2	52	6	141	.09	13	0.4	0.7	40	HUA
		23	2224	34.61	19	46.86	155	46.21	15.88		2.3	31	3	144	.09	13	0.4	0.7	24	HUA
		24	3 0	12.89	19	30.41	155	28.01	5.17	1.4	2.2	44	8	84	.11	3	0.3	1.2	37	MLO
		24	5 7	35.09	19	24.37	155	17.10	0.05		1.3	19	4	73	.12	1	0.2	0.3	15	SSC L
		24	1011	12.40	19	20.27	155	0.63	32.92		1.5	44	5	206	.11	4	1.0	1.0	40	DEP
		24	1027	42.29	19	19.30	155	13.82	8.36		1.9	41	7	63	.10	4	0.3	0.6	35	SF2
		24	1047	38.11	19	19.04	155	13.64	8.59		1.2	32	6	70	.08	4	0.4	0.6	24	SF2
		24	1059	42.77	19	9.32	155	39.54	10.38		1.3	32	3	117	.12	11	0.4	0.8	30	LSW
		24	1216	15.42	19	46.46	155	58.34	10.15		2.0	33	4	218	.13	17	1.0	0.6	30	HUA
		24	1253	5.40	19	22.12	155	10.91	3.26		1.9	39	6	58	.12	2	0.3	0.4	31	SER
		25	623	54.42	19	29.69	155	16.60	33.04		1.7	46	5	104	.09	4	0.6	0.9	41	DEP
		26	434	40.85	19	18.07	155	13.17	7.06		1.2	35	7	98	.10	2	0.4	0.7	29	SF2
		26	2350	34.56	19	49.85	155	58.58	44.74		1.9	28	6	221	.09	33	0.9	0.8	23	HUA
		27	1437	3.42	19	19.20	155	13.76	7.89		1.8	35	6	72	.08	4	0.4	0.6	25	SF2
		28	948	38.94	19	26.53	155	50.27	12.59		1.9	34	5	111	.13	10	0.4	0.4	21	KON
		28	1724	55.18	19	21.48	155	28.12	11.01		1.8	38	3	40	.11	2	0.4	0.7	34	KAO
		28	2140	2.66	19	22.02	155	4.83	9.67		1.8	38	4	78	.08	5	0.4	0.5	28	SF5
		29	239	6.72	19	22.11	155	4.34	10.06		1.2	29	4	91	.08	4	0.5	0.6	21	SF5
		29	1623	58.10	19	20.18	155	12.47	6.93		1.1	29	1	74	.11	5	0.5	1.1	28	SF2
		30	7 3	54.95	19	21.74	155	30.25	9.79		2.5	48	6	32	.08	5	0.3	0.6	32	KAO
		30	1450	42.41	19	8.29	155	21.99	40.79		1.6	34	0	185	.07	11	1.0	2.1	30	LOI
		31	321	59.80	19	19.62	155	6.88	7.88		1.0	24	1	120	.10	5	0.5	1.0	18	SF4
		31	10 4	56.37	19	28.58	155	27.38	5.11		1.6	45	8	58	.15	6	0.3	1.6	30	KAO
		31	1918	11.09	19	24.74	155	16.99	10.72		1.2	13	5	86	.09	0	1.4	0.8	5	INT L
		31	1928	21.83	19	21.43	155	6.72	6.12		1.2	28	3	83	.12	4	0.5	1.0	14	SF4
		31	2334	44.56	19	21.52	155	6.85	7.07		1.7	34	4	81	.10	4	0.5	0.8	18	SF4

Table 6. List of events of magnitude 3.0 or greater.

1992 HVO EARTHQUAKE SUMMARY LIST M≥3.0 1

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	CODA MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	JAN	11	956	56.21	20	2.37	155	20.69	8.04	3.3	3.6	54	7	215	.12	31	0.7	0.7	0	KEA F
		13	2120	45.47	19	17.90	155	12.88	10.37	3.1	3.1	58	12	144	.11	9	0.3	0.4	0	SF2
		13	2253	0.19	19	18.51	155	12.95	9.89	3.1	3.3	57	9	96	.12	3	0.3	0.3	0	SF2
		15	957	7.86	19	20.53	155	12.84	9.27	3.1	3.3	44	8	66	.10	4	0.4	0.6	0	SF2
		20	045	24.16	19	23.37	155	14.64	3.38	3.3	3.6	47	2	45	.13	2	0.3	0.5	0	SEC
		20	046	28.56	19	22.96	155	14.82	3.48	2.4	3.0	17	1	116	.11	2	0.6	0.5	0	SEC
		21	148	1.61	19	50.50	155	36.93	21.27	3.9	3.8	64	14	107	.10	5	0.4	1.2	0	KEA F
		26	623	30.30	20	0.90	155	22.77	8.06	3.4	3.4	54	10	206	.12	27	0.6	0.5	0	KEA F
		26	914	47.90	19	23.16	155	14.56	3.70	3.3	3.3	49	5	47	.12	3	0.3	0.4	0	SEC
		28	1948	24.68	19	23.39	155	14.95	3.32	3.5	3.7	52	11	46	.11	2	0.3	0.3	0	SEC F
		28	1952	15.00	19	22.90	155	14.73	2.89	2.4	3.3	30	9	57	.10	2	0.3	0.3	0	SEC
		31	1429	50.53	19	57.80	156	25.55	2.86	3.0	2.4	39	4	291	.12	70	4.4	2.6	0	DIS
	FEB	6	021	5.49	19	23.20	155	14.58	3.44	3.0	2.2	54	9	47	.11	3	0.3	0.3	0	SEC
		20	2025	53.08	19	21.44	155	4.90	8.49	2.7	3.0	52	7	87	.09	4	0.4	0.3	0	SF5 F
		24	1612	59.83	19	22.41	154	50.17	43.30	3.6	3.4	62	12	246	.10	9	0.8	0.7	0	LER
		24	2035	57.50	20	31.48	155	47.16	21.90	3.0	2.4	30	4	315	.24	44	1.2	3.9	0	DIS
		25	1849	9.77	19	8.00	156	7.27	37.19	3.2	3.1	51	5	268	.09	30	1.0	1.2	0	KON
	MAR	3	230	14.23	19	22.10	155	14.07	1.28	3.2	3.7	54	5	53	.13	2	0.2	0.4	0	SEC
		3	241	56.11	19	22.23	155	12.74	3.24	3.0	3.4	52	6	51	.11	1	0.2	0.3	0	SER
		3	242	56.61	19	22.30	155	14.21	1.76	2.7	3.3	33	5	75	.11	2	0.2	0.3	0	SEC
		3	353	42.74	19	22.54	155	14.76	3.05	2.1	3.0	27	0	52	.15	2	0.4	0.5	0	SEC
		3	4 5	48.14	19	22.15	155	14.15	1.61	3.1	2.3	45	5	54	.11	2	0.2	0.3	0	SEC
		3	440	27.24	19	22.20	155	14.11	1.88	3.1		26	0	53	.09	2	0.3	0.4	0	SEC
		3	443	40.14	19	21.98	155	13.87	1.53	2.1	3.2	21	4	87	.09	2	0.3	0.4	0	SER
		3	511	30.48	19	22.34	155	14.12	1.75	3.1	3.3	49	4	52	.13	2	0.2	0.3	0	SEC
		3	532	5.67	19	21.93	155	14.52	0.42	3.1	2.4	39	0	57	.12	3	0.3	0.5	0	KOA
		3	922	54.84	19	22.07	155	14.41	1.47	3.0	2.2	42	6	55	.13	3	0.2	0.4	0	SEC
		4	4 3	9.60	19	22.97	155	14.54	3.56	3.2	3.3	54	7	48	.11	3	0.3	0.3	0	SEC F
		5	213	18.69	19	19.98	155	10.75	9.67	2.8	3.2	56	6	87	.11	4	0.4	0.4	0	SF3
		5	2154	14.46	19	23.23	155	14.86	3.30	3.1	3.1	56	7	47	.11	2	0.2	0.3	0	SEC
		23	333	19.83	19	47.20	155	26.46	21.76	3.6	3.4	68	18	83	.11	2	0.4	1.1	0	KEA F
		27	632	49.07	19	22.18	155	28.79	10.87	3.8	4.1	58	6	37	.12	2	0.3	0.4	0	KAO F
		31	1233	41.06	19	22.92	155	14.75	1.56	3.0	2.8	44	8	49	.13	2	0.2	0.3	0	SEC
		31	1651	29.11	19	23.21	155	14.61	3.67	3.3	3.3	49	8	46	.11	3	0.3	0.4	0	SEC
	APR	9	2345	26.75	19	57.49	155	35.26	10.64	3.1	3.3	54	9	152	.17	13	0.4	0.4	0	KOH F
		10	1740	16.28	19	23.17	155	30.54	9.79	2.8	3.1	50	11	39	.08	5	0.2	0.5	0	KAO
		10	1953	36.29	20	7.92	156	31.12	36.64	3.2	2.5	38	3	305	.14	77	1.6	2.2	0	DIS
		11	939	53.18	19	18.31	155	13.07	10.37	3.3	3.5	50	7	132	.10	8	0.4	0.3	0	SF2
		11	2027	42.27	19	6.96	155	38.22	7.12	3.0	3.1	43	5	117	.16	15	0.5	1.1	0	LSW F
		18	2226	26.67	19	40.24	157	37.16	15.28	3.7	3.4	43	8	325	.13	188	7.3	13.3	0	DIS -

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	CODA MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	APR	19	1736	12.89	19	26.71	155	30.29	10.88	2.5	3.0	50	11	40	.10	6	0.3	0.5	0	KAO
	MAY	2	2046	40.38	19	19.54	155	8.48	9.42	3.0	3.3	48	9	81	.10	4	0.3	0.4	0	SF4
		4	2213	42.12	19	18.78	155	13.68	10.15	3.8	3.9	53	3	69	.11	3	0.4	0.4	0	SF2 F
		6	1632	28.96	19	19.53	155	13.47	8.15	3.1	3.2	61	9	67	.14	5	0.4	0.5	0	SF2
		14	452	17.16	19	32.51	155	0.85	43.38	3.2	2.9	56	12	99	.11	7	0.6	0.8	0	HIL
	MAY	22	411	11.86	19	21.72	155	5.14	8.62	3.0	3.2	52	10	81	.10	5	0.3	0.3	0	SF5 F
		22	2230	47.77	19	20.22	155	8.13	8.91	2.8	3.0	45	4	83	.11	5	0.4	0.4	0	SF4
		29	14 2	59.39	19	19.90	155	11.89	9.14	2.6	3.3	50	7	84	.11	5	0.3	0.4	0	SF3
	JUN	5	1522	52.86	19	24.92	155	19.52	5.33	3.2	3.1	52	9	38	.13	2	0.3	0.6	0	KAO
		13	831	28.05	19	53.83	155	26.33	27.76	3.1	3.5	66	16	170	.11	13	0.5	1.1	0	KEA F
		19	2 0	43.11	20	6.09	155	53.59	25.13	3.0	2.8	56	7	257	.12	12	0.8	1.3	0	KOH
	JUL	6	4 8	9.97	19	31.55	155	55.92	10.90	2.9	3.1	41	4	221	.13	18	0.6	0.4	30	KON
		8	1412	11.30	19	20.64	157	18.74	36.60	3.2	3.8	34	2	318	.10	151	2.0	2.8	25	DIS
		17	1745	14.59	19	13.90	155	20.51	44.94	1.2	3.9	10	0	201	.05	8	1.8	5.7	9	DEP L
		18	2342	9.05	19	23.57	155	26.24	11.50	2.7	3.0	31	1	47	.11	8	0.4	0.8	24	KAO
		20	21 1	22.38	19	23.78	155	49.69	12.22	2.6	3.0	46	5	120	.13	14	0.5	0.3	33	KON
		24	1933	55.94	19	27.00	154	47.69	8.07	3.5	3.7	62	17	285	.15	6	0.7	0.3	35	LER F
	AUG	2	944	4.90	19	11.27	155	34.37	7.28	2.6	3.1	47	9	225	.13	10	0.5	0.7	30	LSW
		4	146	52.22	19	16.71	155	15.57	10.01	2.8	3.0	55	6	149	.10	6	0.4	0.3	39	SF1
		6	14 8	38.88	19	27.00	155	14.59	31.30	3.3	3.1	63	17	40	.11	4	0.4	0.6	42	DEP F
		7	1024	59.00	19	20.71	155	12.03	8.40	3.0	3.0	53	10	70	.13	4	0.4	0.4	39	SF3
		14	1929	18.29	19	20.23	155	12.80	9.99	3.1	3.3	46	3	70	.09	4	0.4	0.4	37	SF2
		18	1519	28.70	19	8.56	155	39.82	8.98	2.7	3.1	40	7	122	.20	13	0.4	1.2	17	LSW F
		21	2135	34.34	19	20.01	155	16.83	37.72	2.6	3.0	62	17	87	.11	1	0.6	0.6	45	DEP
		24	1458	8.31	19	20.47	155	6.67	8.38	2.7	3.0	50	7	103	.08	6	0.3	0.4	24	SF4
		30	1857	19.94	20	0.02	155	25.67	10.44	3.7	3.8	55	6	199	.12	15	0.7	0.5	45	KEA F
	SEP	3	2228	47.30	19	22.32	155	29.18	10.67	3.1	3.2	53	8	35	.09	3	0.3	0.6	36	KAO
		10	2222	57.03	19	16.10	155	32.74	10.40	3.5	3.8	54	11	57	.11	5	0.3	0.6	36	LSW F
		14	21 2	48.95	19	21.72	155	50.41	13.21	2.5	3.2	40	5	132	.12	11	0.5	0.3	31	KON
		19	756	27.83	19	19.81	155	11.81	10.10	2.7	3.5	52	11	86	.11	6	0.3	0.4	45	SF3
		22	423	21.29	19	14.19	155	34.80	8.41	3.0	3.3	45	2	79	.16	4	0.4	0.6	38	LSW
		25	1129	0.16	19	22.74	155	18.31	31.03	2.3	3.1	67	18	29	.12	3	0.4	0.5	46	DEP
		26	9 3	40.62	17	22.68	154	5.07	27.77		3.5	49	3	335	.12	240	2.1	4.3	27	DIS
		29	1813	23.91	19	47.36	155	34.01	14.45	1.4	3.0	37	6	94	.11	11	0.4	0.3	27	KEA
	OCT	1	2258	57.64	19	20.03	155	11.92	8.60	2.4	3.0	47	7	139	.11	5	0.4	0.5	32	SF3
		2	1951	41.93	19	21.42	155	4.33	9.71	4.2	4.3	57	10	173	.12	5	0.5	0.4	45	SF5 F
		2	20 5	33.47	19	21.30	155	4.01	8.72	2.9	3.3	53	6	174	.10	6	0.6	0.4	45	SF5
		9	1447	23.31	19	31.26	156	1.20	14.81	1.8	3.0	35	4	254	.14	11	1.1	0.5	23	KON
		9	2125	26.21	19	44.57	155	0.15	49.80	4.3	4.7	66	18	213	.11	5	0.7	1.0	49	HIL F
		14	1755	50.32	19	29.32	155	26.02	6.09	2.5	3.2	56	12	58	.13	5	0.3	0.8	45	KAO F

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	REMK
1992	OCT	20	245	20.80	19	20.12	155	7.72	9.38	2.8	3.1	49	9	93	.09	5	0.3	0.4	36	SF4
	NOV	5	1656	41.12	19	52.25	155	45.77	12.56	2.5	3.2	53	12	155	.11	11	0.3	0.3	38	HUA
		7	1921	48.86	19	21.52	155	30.15	9.74	3.0	3.8	58	15	53	.11	5	0.3	0.5	44	KAO
		12	212	46.34	19	24.79	155	17.39	11.94	2.1	3.1	27	5	51	.13	1	0.8	0.6	23	INT L
		14	1	1.18	19	15.82	155	27.65	10.92	2.1	3.1	48	6	71	.13	5	0.4	0.6	38	LSW
		14	1633	15.76	19	19.07	155	13.31	9.08	2.5	3.1	57	16	77	.11	4	0.4	0.4	42	SF2
		23	2256	3.20	19	19.39	155	21.28	33.68	2.2	3.0	58	13	89	.11	4	0.6	0.6	45	DEP
		24	253	23.36	20	24.15	156	24.66	24.55	1.9	3.6	48	4	318	.17	73	1.4	4.3	44	DIS
	DEC	3	10 0	37.45	20	47.24	156	22.03	7.14	3.0	3.6	53	8	328	.12	95	8.5	11.0	46	DIS F-
		8	1127	22.12	19	18.66	155	13.42	8.91		3.5	44	3	78	.11	3	0.4	0.4	38	SF2
		16	923	36.70	19	10.46	155	22.27	45.99	2.5	3.3	54	8	174	.10	8	0.7	0.8	47	DEP
		18	1152	21.25	19	18.69	155	13.16	9.88	2.3	3.0	47	8	132	.09	7	0.4	0.5	33	SF2
		23	2212	41.65	19	46.81	155	45.88	15.86	2.3	3.2	52	6	141	.09	13	0.4	0.7	40	HUA