U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

HAWAIIAN VOLCANO OBSERVATORY
SUMMARY 89 PART I
SEISMIC DATA, JANUARY TO DECEMBER 1989

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CHRONOLOGICAL SUMMARY
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+ Arrived during 1989
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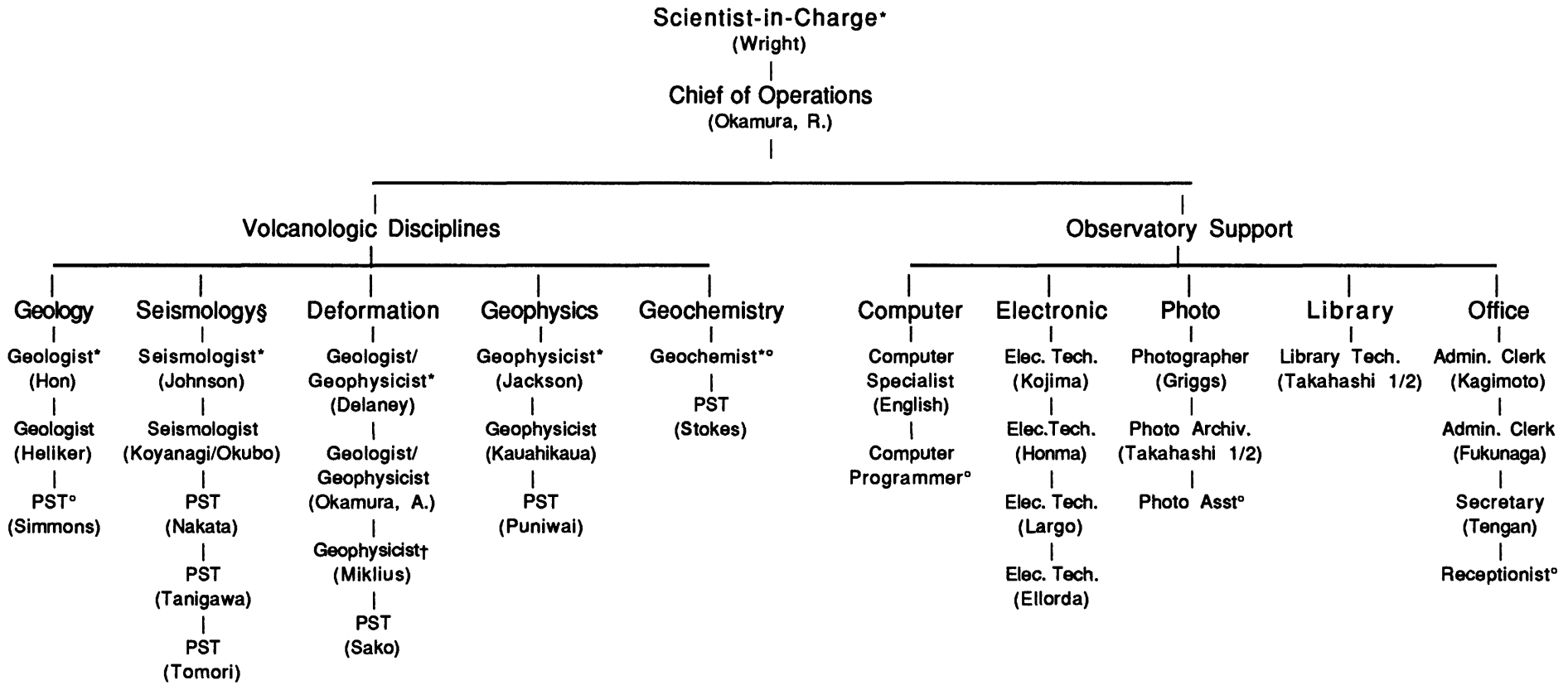
HAWAIIAN VOLCANO OBSERVATORY ORGANIZATIONAL CHART - 1989



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J. Lockwood J. Morris (Cartographer)	Geologic history of Mauna Loa Volcano
M. Jackson V. Taylor	Geologic map of the island of Hawaii

CONTENTS

INTRODUCTION

The Hawaiian Volcano Observatory (HVO) summary presents data gathered during the year, with a chronological narrative describing the volcanic events and significant Observatory-related activities. The seismic summary is offered without interpretation as a source of preliminary data. The seismic summary is complete in the sense that all data of M≥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 74 includes an extensive 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 provide an understanding of how they were gathered.

A report tabulating the 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 in this summary.

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[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 - 1989

by

Thomas L. Wright

Kilauea's ongoing Puu Oo-Kupaianaha eruption completed its seventh year in 1989. The eruption's vital statistics are summarized in Table C-1. Lava coverage from 1983 through the end of 1989 is shown in Figure C-1. MgO content and temperature of the lava are shown in Figure C-2a. The small variations in lava chemistry are still within a single set of olivine control lines, indicating that we are erupting the same batch of magma since at least 1984. We have been able to thoroughly document the growth of a volcanic field large enough to be preserved in the geologic record. Included in the geologic studies are the growth and loss of ephemeral features, such as littoral cones and lava deltas, as well as detailed study of the emplacement of both pahoehoe and aa. Puu Oo itself, once an anomalously large feature on the rift zone, is now being reduced by collapse to a size comparable to other rift features.

The June M 6.1 earthquake provided new insights into Kilauea south flank movements. The earthquake did not affect the ongoing eruption. Deformation studies show a pattern of rift subsidence and south flank uplift similar to pre-earthquake strain patterns, indicating that a larger amount of strain is still waiting to be released. Therefore, we can expect a larger south flank earthquake in the future, one that could end the eruption and relieve strain through subsidence of the south coast, as happened in November 1975. The seismicity of the Puna area remains somewhat elevated, possibly increasing the chances of eruption east of the present site, a circumstance that potentially affects both residential development since 1960 and the two geothermal projects getting underway.

Staff changes

In 1989, we saw the departure of Carl Johnson (staff seismologist) for the University of Hawaii at Hilo (UHH), Lynn Simmons (temporary appointment with geology program) for graduate work at Johns Hopkins, and the retirement of Bob Koyanagi (staff seismologist) and George Kojima (head electronics technician). Bob and George are persons directly trained by Jerry Eaton and represented our link to the beginning of the "modern" Observatory. Fortunately, Bob is continuing on in scientist emeritus status, and both Bob and George are being considered for contractual work with the State-funded Center for the Study of Active Volcanoes (CSAV) at UHH. CSAV will provide training in volcano monitoring for persons from underdeveloped countries whose people live close to hazardous volcanoes. The program is jointly sponsored by UHH, University of Hawaii at Manoa, and HVO.

Arriving in 1989 was Paul Okubo, an able replacement for Bob Koyanagi. Replacements for Carl, Lynn, and George had not been selected by the end of the year.

Table C-1.

ERUPTION STATISTICS 1989

Areas

Total area covered by lava,
January 1983 through October 1989 ..... 67 sq km

Surface area* covered by Puu Oo flows (episodes 1-47)
plus the "A vent" flow of episode 48 ..... 36 sq km

Surface area covered by Kupaianaha flows through October 1989 ..... 31 sq km

*Puu Oo flows originally covered about 42 sq km, but some of this area has been re-buried by Kupaianaha flows.

New land created December 1986 through October 1989. (This is a net figure, which does not include new land that was claimed by wave erosion or collapse of the active lava bench). ..... 144 acres

Volumes

Total, January 1983 through December 1989 ..... approx 1,200 million cubic meters

Episodes 1-47 ..... 560 million cubic meters

Episodes 48 (July 1986 through December 1989) ..... approx 640 million cubic meters

Other fascinating facts

Kupaianaha pond diameter ..... approx 120 m

Pond level ..... 20-32 m below the rim

Height of Kupaianaha lava shield ..... about 60 m

Height of Puu Oo cone, October 1988 ..... 253 m

Diameter of Puu Oo Crater ..... 200 m

Depth of Puu Oo Crater ..... about 180 m

Puu Oo pond status ..... intermittently active

Thickness of Kupaianaha lava at the coast

roughly 25 m over Highway 130 at Queens Bath

roughly 15 m near the sea cliff at mid-flow

Structures destroyed

Residences destroyed through December 1989 74

Other structures include the Wahaula Visitor Center and maintenance shop, and the Royal Gardens community center.

Puu Oo, Episodes 1-47--Royal Gardens 16

Kupaianaha, November 1986 through December 1988
--Kapaahu, Kalapana, Royal Gardens 48

May through September 1989--Royal Gardens, Wahaula 10

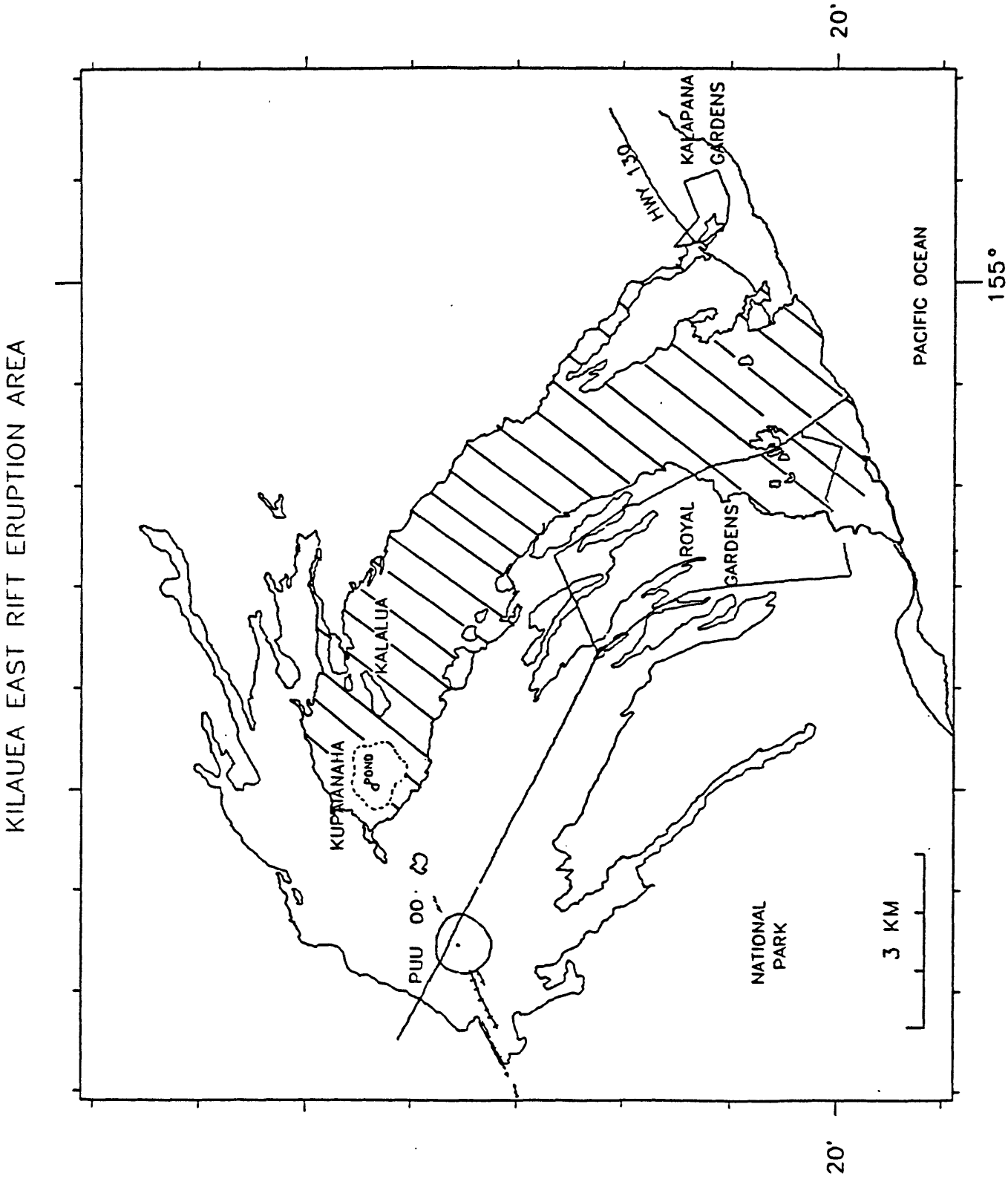

Figure C-1. Map showing area covered by lava from Kilauea's east rift eruption. Blank areas extending outward from Pu'u O'o are covered by lava erupted from January 1983 through July 1986. Hachured areas are covered by lava erupted from Kupaianaha, July 1986 to the end of 1989.

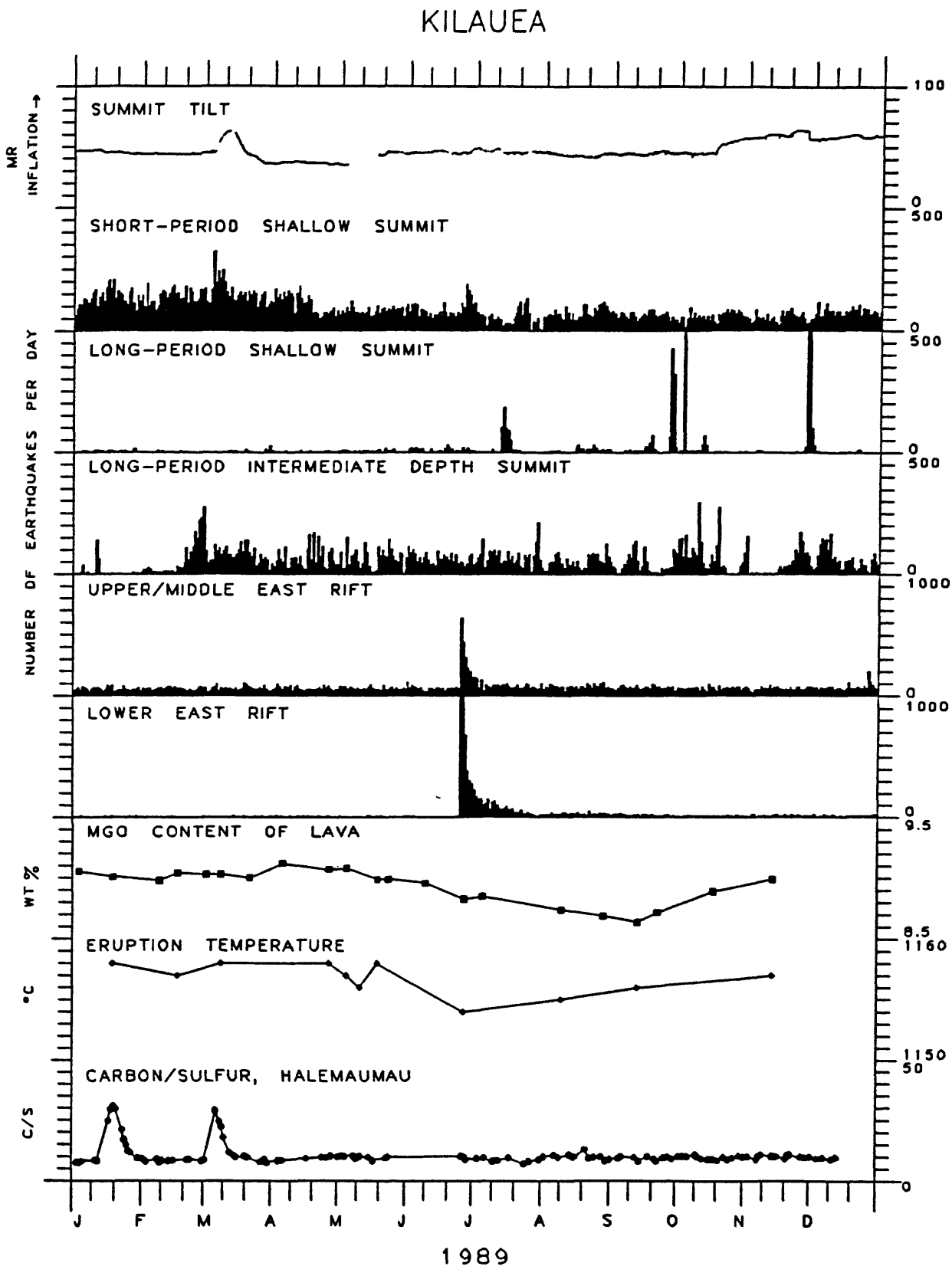

Figure C-2a. Selected seismic, geodetic, petrologic and geochemical data for Kilauea, 1989.

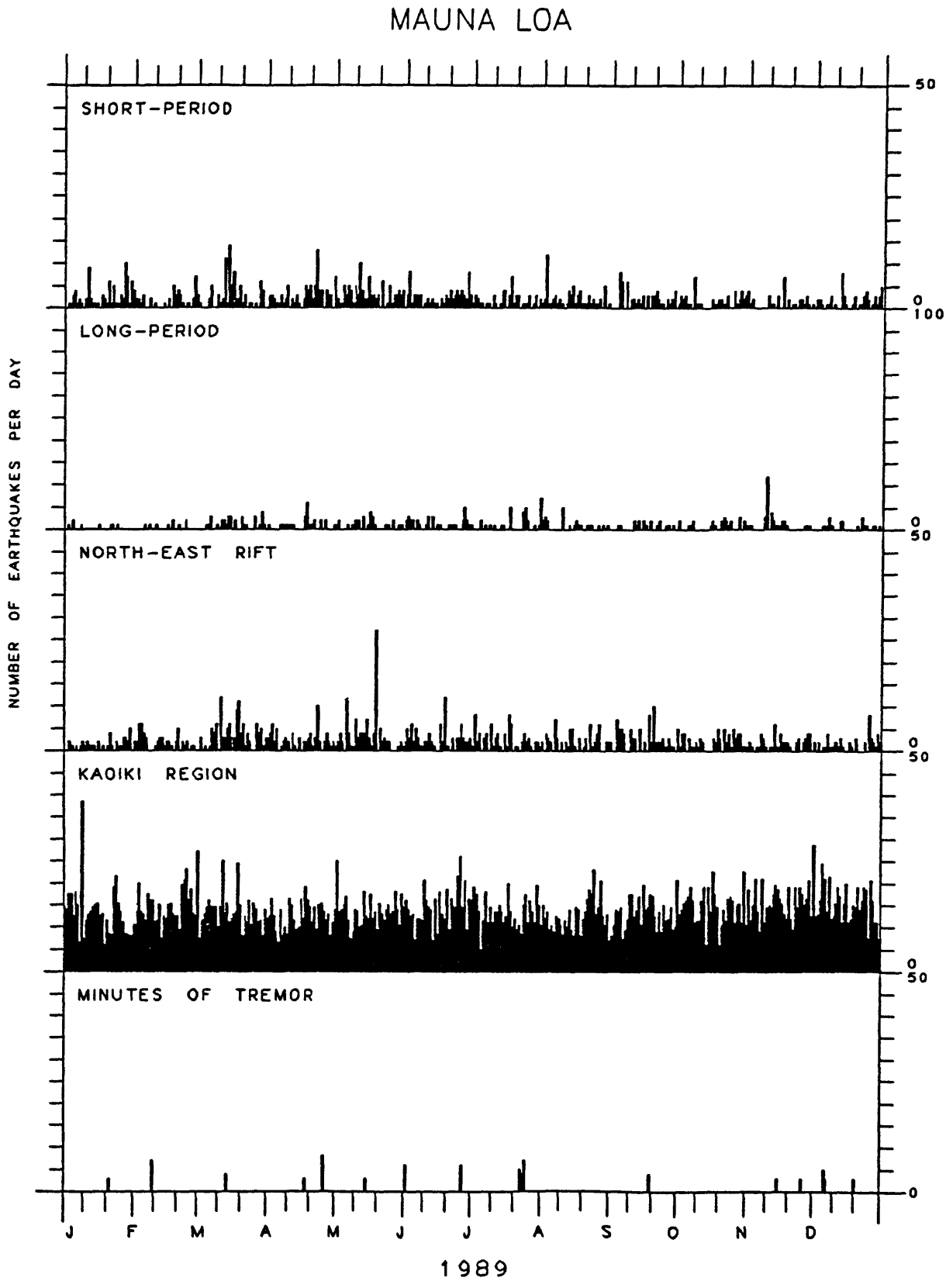

Figure C-2b. Selected seismic data for Mauna Loa, 1989.

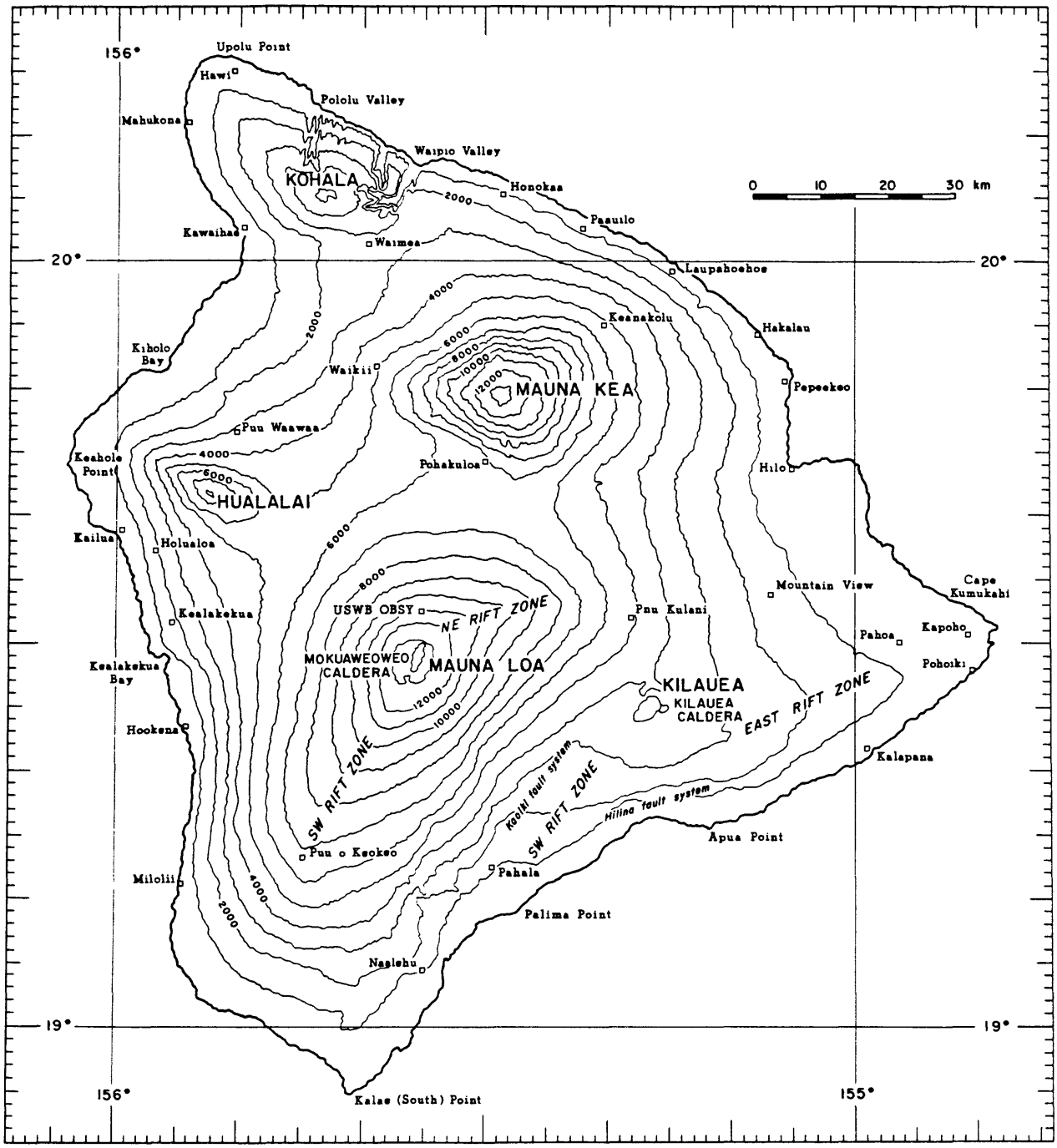

Figure 1. Map of the Island of Hawaii, showing principal settlements and selected geographic and geologic features.

SEISMIC INSTRUMENTATION

The network. The Hawaiian Volcano Observatory maintains an extensive telemetered seismic network on the Island of Hawaii. In 1989 the network consisted of 52 stations; two are low-gain multicomponent stations (optical), 12 are three-component, and 38 are vertical components only. The coverage is most dense on and around Kilauea Volcano. With the exception of self-contained systems at the Uwekahuna and 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 which were operated on the island of Hawaii during 1989, 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 1989. Listed are names, three-and four-letter codes, coordinates in degrees and minutes, elevation in meters, and other data, as described below, pertaining to each station. In addition to seismometers listed in Table 1, a long-period, three-component set of Press-Ewing seismometers were 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 Office of Earthquakes, Volcanoes and Engineering standard system 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 using 16-mm microfilm. FM signals from the telemetering network are also recorded directly on one-inch magnetic tape. Selected larger events are copied onto condensed FM library tapes, which are currently archived in Menlo Park. 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, I - ink paper, P - photographic paper, H - Helicorder paper.

In addition to the standard stations, optical drum seismographs are maintained at Uwekahuna (HVO), Hilo, and Maui, 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.

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. Calibration is normally done each time a station is visited for other maintenance requirements.

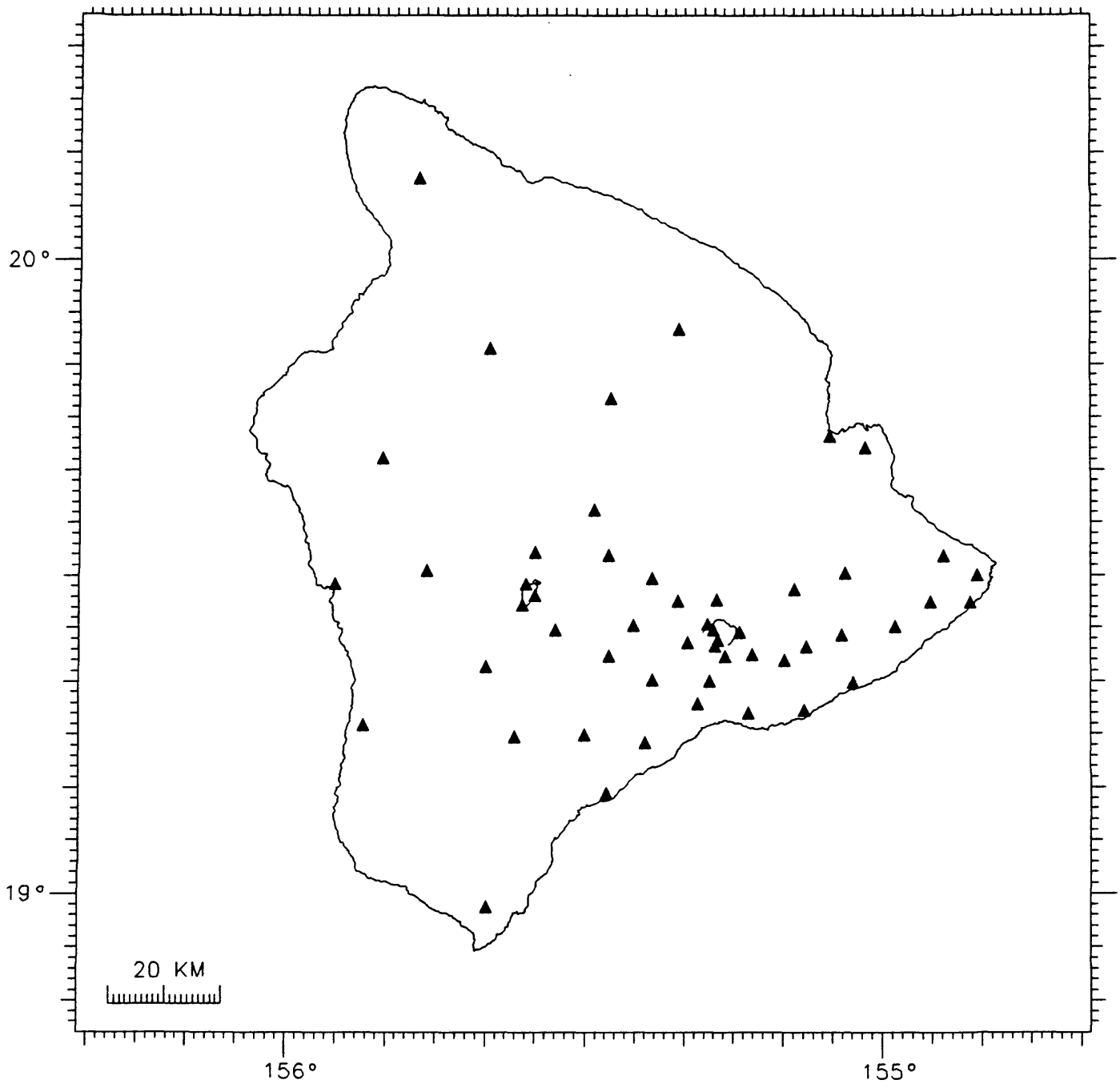

Figure 2. Map of the Island of Hawaii, showing seismic stations operational during 1989.

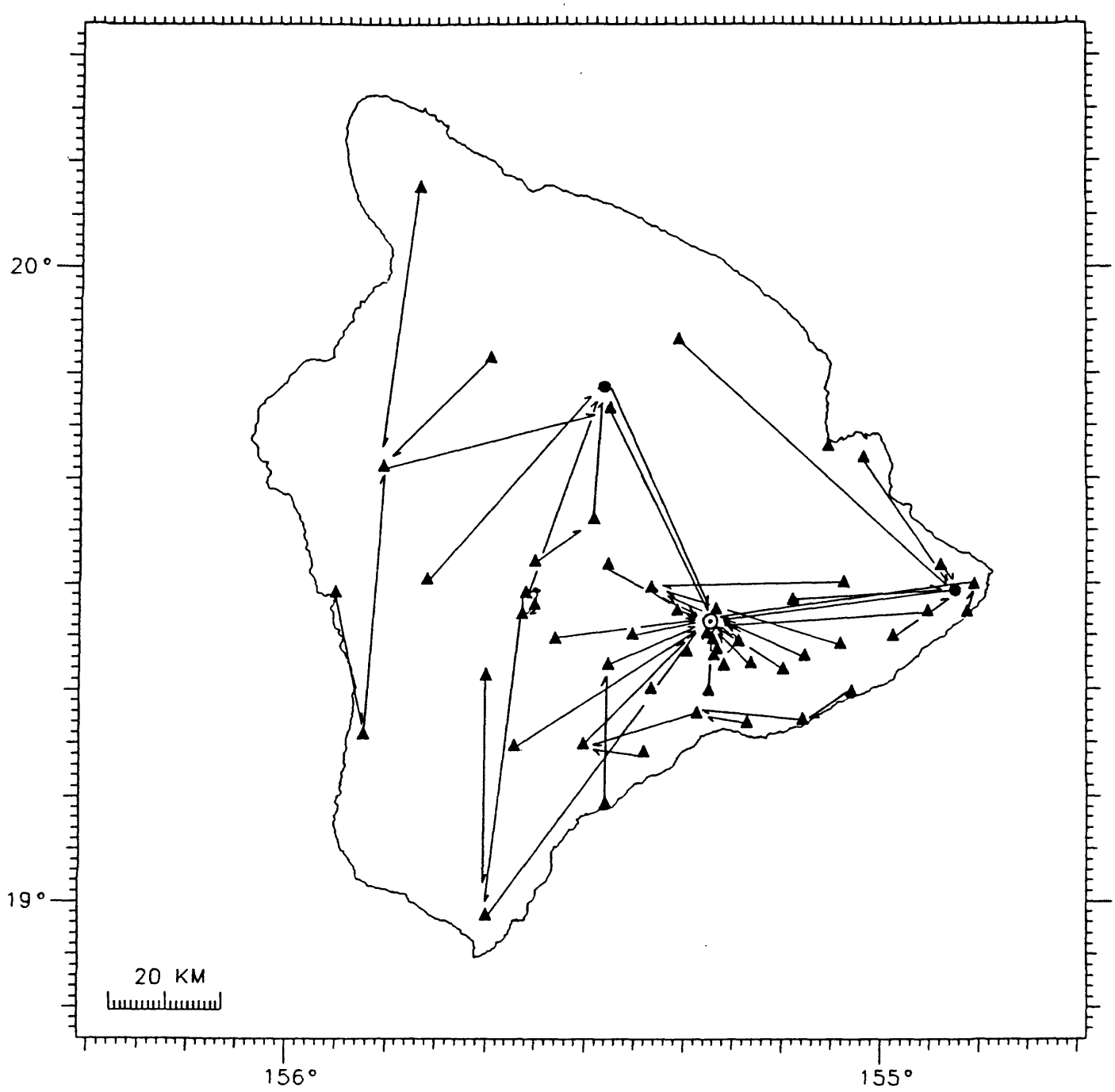

Figure 3. Map of the Island of Hawaii, showing the telemetry scheme for the 1989 Hawaiian Volcano Observatory seismic network.

Legend ▲ Seismometer location
● Repeater station

Table 1. Seismic stations in Hawaii operated by the USGS in 1989.

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	E4	
DANDELION	DANV	19	21.42	155	40.04	3003	-0.27	0.03	7.0	E4	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	
HALEAKALA, MAUI	HAE	20	46.00	156	15.00	2090	0.00	0.00	1.0	W	P
HALEAKALA, MAUI	HAL	20	46.00	156	15.00	2090	0.00	0.00	1.0	H1	P
HALEAKALA, MAUI	HAN	20	46.00	156	15.00	2090	0.00	0.00	1.0	W	P
HILO	HIE	19	43.20	155	5.30	20	0.54	0.30	1.0	W	P
HILO	HIL	19	43.20	155	5.30	20	0.54	0.30	1.0	H1	P
HILO	HIN	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
HONOLULU, OAHU	HON	21	19.30	158	0.50	2	0.00	0.00	0.0	H1	H
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	E4	D
KAENA POINT	KAEV	19	17.35	155	7.95	37	-0.01	0.06	1.4	L4	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	L4	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	D
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	E4	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	L4	
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	E4	D
PUU PILI	PPLV	19	9.50	155	27.87	35	-0.15	-0.15	1.7	E4	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	

Table 1. (continued)

SOUTHPOINT	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	E4	D
TRAIL	TRAV	19	24.91	155	32.96	3207	0.00	0.00	0.0	L4	
UWEKAHUNA	UEE	19	25.40	155	17.60	1240	-0.21	0.00	2.5	E	P
UWEKAHUNA	UEN	19	25.40	155	17.60	1240	-0.21	0.00	2.5	E	P
UWEKAHUNA	UEZ	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	E4	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	E4	
WOOD VALLEY	WOOV	19	15.08	155	30.12	909	-0.15	-0.06	4.6	E5	

Table 2. Seismic Instrument Types

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

Type 1 (Codes E, L, or R and 4, 5, or A) consists of:

a) Geophone - Electrotech EV-17 (E), Mark Products L4C (L) or Kinemetrics Ranger SS-1 (R) 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 J402 (4), J502 (5) or Kinemetrics Model AOM-1 (A) 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.

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.

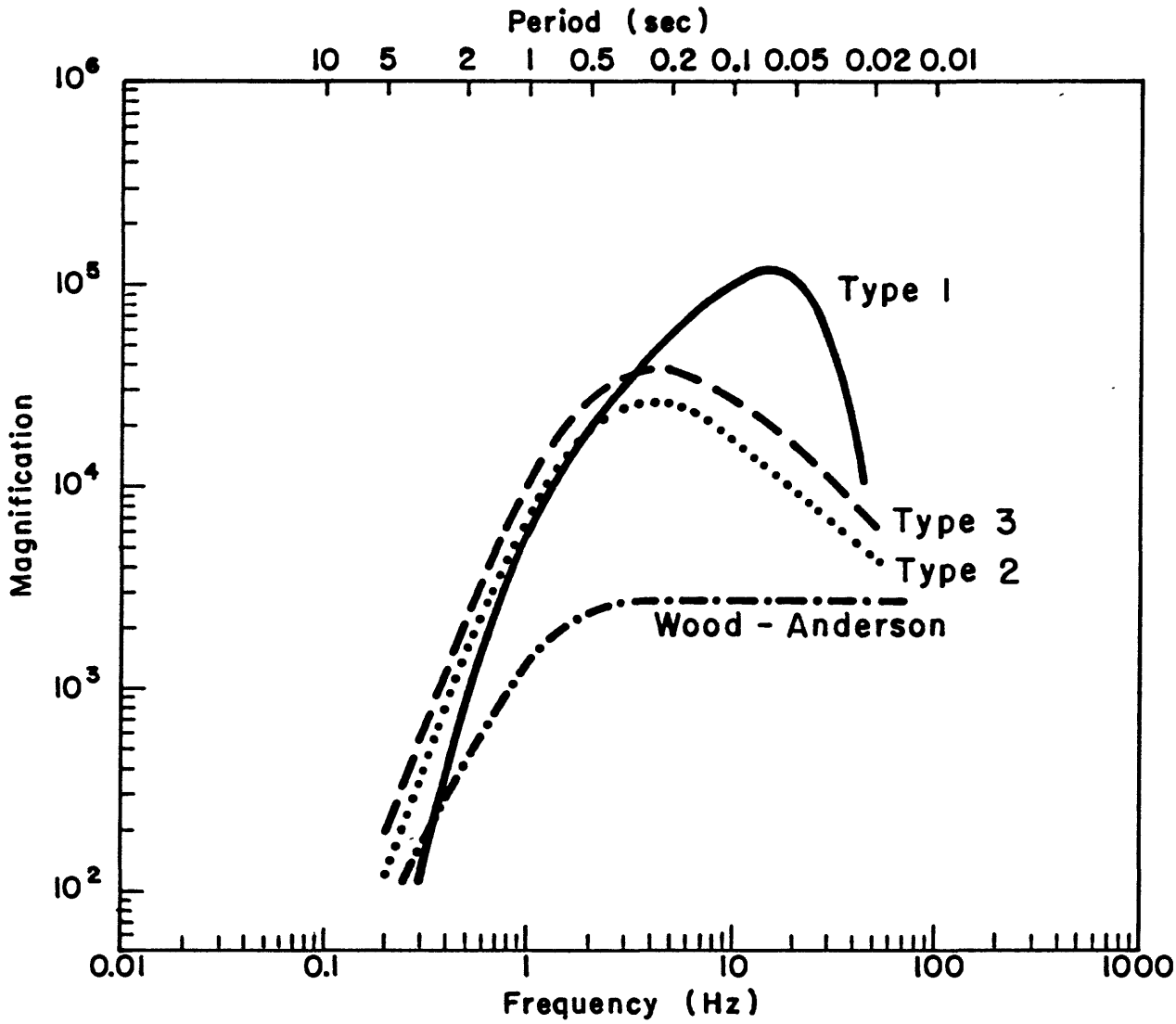

Figure 4. System response curves for the Wood-Anderson torsion seismograph and for the three different types of seismometers in use by the Hawaiian Volcano Observatory. Types 2 and 3 are electro-magnetic seismographs recorded optically on photographic paper. Type 1 is the standard OEVE seismometer system 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 are measured for magnitude determination. In 1986, HVO acquired a VAX 11-750 computer and adopted the CUSP (Cal Tech 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 (CD) magnitude. Events are examined by an analyst to refine computer P-picks and to time additional P- and S-phases for a preliminary location and final CD magnitude. Binary CUSP files are tape-archived and translated into ASCII phase files. Locations are then made, 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.

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 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 was used for events on Kilauea and its south flank, and delay model 2 applies to the rest of the island and offshore earthquakes. A combination of the two delay models was used for epicenters that fall in a transition zone. (For a detailed description, refer to Klein, 1989.)[2]

Magnitudes for most events were computed using both recorded amplitudes on low gain or Wood-Anderson stations and signal or coda duration on selected short-period vertical 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.

Duration magnitudes are determined from the length of signal in seconds read from the Develocorder viewer. This length of time, also called the "F-P time," is measured from the P arrival to the point where the earthquake signal has decayed nearly to the noise level. A bilinear relation is an appropriate fit to the data sample and is used to compute all duration magnitudes. Duration times are read only from Type 1 seismographs. Because duration magnitudes are relatively insensitive to station response and can be determined using the high-gain, short-period stations, it is felt that duration magnitudes are more accurate and complete at the lower magnitudes (below 2). The equations used in magnitude determination are as follows:

duration < 210 sec $M = -5.2 + 3.89 \log (F-P) + .013 Z - + .0037 D$

duration > 210 sec $M = -.905 + 2.026 \log (F-P) + .013 Z-- + .0037 D$

where Z and D are the depth and epicentral distance in km, respectively.

A coda-amplitude (CD) magnitude determined by CUSP has been also included. The CD magnitudes were computed using maximum amplitudes and coda decay rates from digitized signals.

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

SEISMIC SUMMARY

The emphasis in both station coverage and detailed data analysis is on the highly active south 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 summary is 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, varied according to region. (3) The list of computer locations constitutes the bulk of this summary and is given in Table 5. Each earthquake in 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 imply an 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: deep earthquakes about 30 km 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.
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 the 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: shallow, intermediate, and deep Kilauea, 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 where tremor in the middle east rift zone was continuous. Distinction was made between high-amplitude tremor related to strong eruptive periods and low-amplitude tremor during periods with no lava production. Only minutes of tremor at saturated levels recorded locally at STC and KLC are included in Table 3.

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

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

DATE 1989	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	66			1		29	45	4						7	
2	88	3		1	1	28	53	2	1	1			4		
3	110	1		3	1	35	67	3	1		2			2	
4	106	3		7	1	35	42	9	3	2	1				
5	131	5		36	1	25	72	7	4					22	
6	128	5		4		36	66	5	1		1				
7	116	2		7		30	52	2	2					41	
8	130	3				13	31	2	1	1	1			9	
9	155	4				77	53				2			5	
10	167	7		2		15	66	5	2		1		2		
11	99	7		141	1	23	63	3	9		2		20	27	
12	137	5		61		26	65	3	2		1				
13	156	5		1		27	57	2	1		1				
14	120	3		2		29	37	8	1		1			2	
15	177	4		3		30	54	9	1						
16	206	7		2		31	85	8		1	2				
17	172	6		3		25	71	3	3						
18	209	4		1		26	85	9	2		1			8	
19*	131	2				12	26	1	1						
20	162			1		23	44	1	6		1				
21	154	6		1		17	49	3	1	1	4				
22	144	6		1	1	17	49	6	5	1	1				
23	120	6				38	81	7	1						
24	108	1		1		43	53	7	1	1	2				
25	160					31	48	2	3		1				
26	174	2		1		27	45	9	2		1				
27	115	9	4	8	1	22	57	2	10		3				
28	84	14		2	5	17	52	1	7		3				
29	144	2		5	1	17	62	15	1		2				
30	120	4		4	1	16	70	4	6		5				
31	146			7		16	42	2	4						
FEB 1	100	2		17		21	60	2	2		2				
2	192	1		21		27	52	6	2		2				
3	101	2		28		40	62	6	1		6				
4	118			22		27	60	3	3		6				
5	120	1		10		26	45	2		1	4				
6	82	1		7		23	47	5			3			99	
7	102	9		5		35	53	6	2	1					
8	149	1		7		32	63	1							
9	166	4	1	5		32	64	7	1						7
10	157			11		22	51			1	1			5	
11	132	2		11		23	63	1			2				
12	151	2		11		30	76	3			3				
13	176	3		11	1	15	71	5	1		3			8	
14	187	1		12		25	60	9			1			59	
15	154			6		24	73	4	2	1	2			4	
16	155	2		33		30	62	4			2				
17	130	6		29	3	31	60	5	5	2	1				
18	133	1		23		26	60	8	3						
19	184	2		46		25	53	8	4		2				
20	115	4		108	1	25	44	2	3	1	5				
21	173			60		19	43	1	1						
22	159			90		39	56	6			2				
23	121			113		41	38	5	1	2	1				
24	121			175		46	42	5	1		2				

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1989	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	130			146		32	52	2							
26	172	1		220		37	71	7	2		1				
27	165	4		230		26	73	1	7		1			34	
28	174	2		274		25	68	11	3				2		
MAR 1	122			97		54	69	4	1						
2	111			47		15	27	1			3				
3	167			59	1	23	39	2							
4	324		1	57	1	26	63	4		1	1				
5	194	3		121		29	75	7	2	1					
6	247			91		32	97	3	5	3	1		17		
7	212			109		29	43	3			5				
8	249	2		79		29	66	7			4			4	
9	199	1		97		29	57	4	3	1	6				
10	159	1		113		20	69	5	1				4	65	
11	139	5		80		29	54	2	2	2	12				
12	179	5		81		50	61	4	11	2	3				
13	128	3		65		26	50	5	1	1	3				
14	121	6		72		31	46	14	14	3	5			6	4
15	143	2		83		22	67	4	5	3	6				
16	160		1	100	1	24	44	6	8		3			6	
17	143		1	135		26	53	6	2	2	3			14	
18	155	1		91		27	64	5	2		9				
19	120	12		141		49	108	10	5		11				
20	162	5		139		30	88	7	1	3	4				
21	146	2		86		16	72	6	3	1	6			3	
22	164	2		71		25	63	6		1	1				
23	154			105		22	55	8	1		4			7	
24	96			35		32	52	9	1		2				
25	120			43		21	53	2							
26	144			80		31	65	7	1	3				8	
27	157			59		28	52	11			6				
28	94	16		68		22	85	4	6	1	4				
29	109	1		58	1	23	58	6	4	4	5				
30	121	27		16	1	16	35	7		1	1			31	
31	115	6		43		28	40	10			3				
APR 1	172	1		31		24	58	1	3	1	3				
2	133	2		54	1	25	69	9	3		4			41	
3	150	4		102		33	98	13	2		6			5	
4	128	4		61		25	71	2	1		2				
5	157	1		48		18	56	10	1		5				
6	140	5		112		13	73	4	3	1				45	
7	166			25	1	28	75	4	1	1	1				
8	154			27	2	16	66	6	2	1	2				
9	138	4		66	1	20	84	9	5	1	3				
10*	69	1		67		17	38	8		1	2				
11	153	2		65		33	71	6	2	1					
12	183			39		30	84	11	1	1	4			49	
13	131	7		74		23	58	9	3		1			29	
14	112			32		19	48	6	1						
15	115	1		19		20	38	9			3				
16	143	2		102		33	55	4	2					5	
17	126	5		161		24	53	11	5	3	2				
18	71	2		60	1	38	51	7	4	6	2				3
19	73			169	8	32	49	4	5	1	3				
20	68	2		47		29	49	5	2	1	4				

	KILAUEA SUMMIT				KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1989	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	30 KM C	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
APR21	50	2	156	1	22	62	8	5	2	1				
22	56	2	72		29	73	10	13		3				
23	75	4	116		19	54	8	4		10				
24	73	5	28		30	86	8	4	2	2				
25	67	5	19		31	60	7							
26	80	3	89		27	78	9	4	2	2				8
27	92	2	105	1	23	55	8	3		4				
28	60	3	54		26	41	8	3		2				
29	81		41		16	46	8			1				
30	65	5	38		22	53	8	7	1	2				
MAY 1	80	7	90		28	82	12	2	1	1		7		
2	71	10	24	1	50	71	7	1	2	2				
3	94	8	27	2	27	81	8	1		4				
4	78	5	151		28	67	6	5		2				
5	121	2	40	6	30	52	6	3				39		
6	95		77	1	34	74	6	5	1	11				
7	73	8	84		23	61	8	4		4				
8	73	2	100		15	54	4	1	1	1				
9	72	7	52	2	18	69	3	5	2	1		3		
10	77		24	1	28	55	6	3	2	7				
11	68	10	46		27	54	8	10	2	3		7		
12	73	9	130		20	61	6	4		4		16		
13	94	7	89		21	57	6	2	3	4				
14	57	4	35	1	36	75	15	2		4		3		
15	62	5	10	1	25	93	9	7	1	7				3
16	78	3	7		24	60	8	3	4	3				
17	102	10	15	1	35	56	5	3	3	1				
18	70	12	113	1	24	53	10	2	1	4				
19	88		76		27	46	7	3		27				
20	92	1	98		19	49	17	3		3				
21	78	17	76		31	85	7	6		5		7		
22	89	6	70		26	54				2				
23	83	5	142		23	50	5	1	1	3				
24	98	7	103		28	64	8	5	1	2		4		
25	83	15	73		30	71	6	1		2				
26	90		56		26	49	3	3	2					
27	86	1	50	2	27	67	8	3						
28	97	2	86	2	36	49	3	4						
29	59	2	84	2	28	58	6	3	1	1		30		
30	93	3		1	21	66	4	4	1	2		11		
31	110	1	68		35	56	11			1				
JUN 1	76	16	114		29	112	9	3	2	2		4		
2	108	17	86		32	66	10	8	3	5		19	6	
3	112	15	101		28	84	7	1	2	3				
4	105	19	84	2	25	73	10	3	2	6				
5	59	14	50	1	26	66	7	3		2				
6	87	11	68		14	57	5	3	2	5				
7	85	14	44		24	66	2	3	1	3				
8	77		68		24	43	2			1				
9	56		88		23	33	1	1		1				
10	71	2	58		41	37	6	2	1	2		17		
11	48	16	38		32	62	7	1	3	2				
12	63	4	46		29	62	5	2		4				
13	65	4	32		28	48	7	1	3	2				
14	78	6	95		14	67	7	1		1		36		

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1989	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
JUN15	77	7		62		33	69	7		1					
16	115			61	1	17	56	4	2	1					
17	75	18		81	1	36	62	8	1		6				
18	60	31		69	1	26	44	5	3		2				
19	73	22		59		24	62	5	2		12				
20	71	12		87		37	60	8	4	1	1				
21	57			52		19	65	6	2	1					
22	76	9		80		33	61	4	3	1	3				
23	72	6		43		29	73	9	4	1					
24	116	5		54	1	29	60	16	3		3				
25	94	22		49		43	636	2021	4		3				
26	188	10		34	1	52	445	1254	3	2	6				
27	164	17		43		29	319	683	2	5	3			25	6
28	147	7		74		41	233	387	8	2	2			6	
29	105	5		82	1	19	196	306	3	1	2			20	
30	115	5		40	1	33	155	280	1	1	3			45	
JUL 1	75	3		48	2	32	153	229	3		1				
2	63	3		67	1	38	140	175	2		8				
3	63			83		35	63	156	1		2				
4	55	1		142	1	27	127	153	1	2	4			37	
5*	18	2		25		10	41	100		1	3				
6	59	1		56		23	90	113	1	1	3			8	
7	68			95	1	36	72	151	1		4				
8	45	11		89	1	22	67	70		1					
9	47	1		98		29	87	129	3		6				
10	56	3		74		22	86	135	1	1	1				
11	46	3		97	1	27	89	100			3				
12	19	101		43		27	77	78	1		4			6	
13	30	183		53		30	88	70	4	1	1				
14	31	99		53		27	90	72	4	1					
15	34	88		92		22	104	89			4			6	
16	27	48		59		25	79	67	3		1				
17	50	8		74		40	70	70	7	5	8				
18	71	9		42		27	69	73	1		6				
19	99	10		56		20	73	42	3						
20	118	5		86	1	24	89	43	3		1			18	
21	66	1		35		19	62	49			1				
22	111			25		21	61	60	1						
23	134			79		17	71	31	1	4	2		6		5
24	69	3		65		30	108	33	1	5	4				4
25*				83		35	94	41	3	2	2		8	9	7
26	38	1		6		22	60	26			3				
27	33	4		75		32	77	21	1		1				
28	52			135		27	67	17	3	1					
29*	9			211		22	57	6			2			6	
30*				59	1	39	61	15	2	1	2				
31	57	1		26		30	104	21	1	7	1				
AUG 1	57	3		12		21	54	21	2	2	2				
2	67	1		15	1	30	73	21	12	3					
3	67	5		47		24	69	25	1	2	4			12	
4	61	5		52		27	100	27	1		3				
5	86	6		52		19	95	38	2		2				
6	67	6		84	1	21	82	21	3					9	
7	71	5	4	90		18	80	29	1		7		15		
8	52	4		66		25	63	29	2		3				

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1989	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 9	46	2		42	2	24	80	28	1						
10	100	1		29		21	71	43		5	2			22	
11	73			64		17	36	38	1					15	
12	45	4		39		23	71	30	4		2			13	
13	70			41		20	87	32	3	1	1		4		
14	46	4		51		28	82	34	5		5				
15	45	19	1	31		19	70	30	1	1	5			26	
16	57	30		53		16	80	26	3	2	1				
17	58	14		26		29	57	38	4	1					
18	108	14		15		28	79	24	1	1	3				
19	107			28	1	16	77	23	1					20	
20	68	11		28		24	61	25	1		1				
21	65	12		80		27	101	19	3	1	3				
22	60	15		76	1	33	84	55	1	1				23	
23	92	30		86		37	59	23	2	1	6				
24	81	17		79		35	103	25	1		1				
25	110	5		84		46	80	27	1		2			32	
26	112	9		53	1	26	81	32	2	1	4			4	
27	118	12		49		29	106	34			6				
28	102	10		45		41	112	30	5	1					
29	84	11		124		25	66	34						4	
30	73	12		71		21	71	29	1	1	2				
31	81	4		49		26	60	29			2				
SEP 1	69	1		30		14	62	18			2				
2	52			24		16	50	30							
3	57			3		21	48	26						4	
4	78	4		4		28	68	29	8	1	7				
5	71	4		24		27	87	34	6	1	5				
6	58	10		42		29	90	32			5				
7	49	5		60	1	15	74	22	6		4				
8	77	11		85	1	19	62	14							
9	78	3		66		24	80	13	2						
10	59	7		120	1	35	59	20	2		5			23	
11	41	8		136		35	65	21	1	2	3				
12	51	7		54		25	94	22	2	1	3			11	
13	62	10		14		28	66	26	1	2					
14	71	10		33		34	54	7	3		5			17	
15	62	25		114		21	66	26		2					
16	86	24		51		39	79	29	3	1	2				
17	87	41		16		28	75	24							
18	86	70		9		29	61	16	3	2	8				
19	63	16		9		35	96	29	3		2			4	4
20	57	6		7		34	91	15	4		10				
21	66	1		8		25	72	14	2	1	2		7		
22	68			4		18	79	19	1	2	2				
23	67	3		27		27	59	14	1		2				
24	77	4		17		18	68	17			3			32	
25	57	2		23		30	62	23	2	1	1				
26	40	65		25		23	72	22	1	1	1				
27	58	425		30		24	70	19	2		3				
28	44	322		103		29	81	8	4	1	1			29	
29	46	22		91		19	43	16			1			30	
30	33			82		20	50	6	1					20	
OCT 1	57	10		147	1	41	69	10	3	2	5			49	
2	58	8		150		26	61	8	2		1				

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1989	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 3	16	1263		71		28	59	7	3		4			39	
4	54	8		161		31	52	14	1		4				
5	97	5		67	1	32	67	20	1	1				20	
6	53	7		68	1	34	67	13		1	3				
7	73	8		108		38	65	18	7	2	1				
8	52	8		91		32	63	12	1		1				
9	66	12		77		22	75	17	1		2			14	
10	51	9		297		23	66	11	1		1				
11	62	33		133		23	38	13			3				
12	46	69		44		32	82	17			2				
13	61	31		23		38	58	9							
14	43	4		24		12	35	13							
15	68	4		43	1	38	99	15	2	1			7		
16	41	3		85		27	72	10	1	2					
17	44	6		54		45	74	15	1	1	3				
18	69	6		120		35	56	20	2		2				
19	65	6		278		29	38	9	2		5				
20	74	2		30		12	84	17	1	2	3				
21	77	6		37	3	21	51	12	1	3					
22	90	5		26		28	68	15	3	2	5			10	
23	74	4		2		23	72	18		1	2		8	61	
24	87	2		3		33	65	22		2	4				
25	84	2		5		34	65	14	4		1			20	
26	72	2		1		32	77	19	1		5				
27	87	2		2		22	67	7	2		3			44	
28	75	5		9		30	76	24	4	3	4				
29	61	2		37		31	81	13	2		4			6	
30	57	1		49		22	46	10	3	2	1				
31	56	5		88		45	63	20	4	1	1				
NOV 1	50			157		21	75	12	1	1	1				
2	35	4				37	67	12	2	1	2			2	
3	39	2		7		23	37	10			1			3	
4	86	3				30	31	29						15	
5	56	10		7		42	57	28			1			3	
6	49	10		1		27	54	8			1		2		
7	55	6		3		18	50	11			4				
8	42	3				42	80	9		3	3			11	
9	67	1		5		22	60	14	3	12	1				
10*	41	1		1		29	63	17	1						
11	50			5	1	30	61	11	1	4	1			7	
12	60	2				29	92	12		2	1			40	
13	37			3		35	62	18	3	1	6			21	
14	25			6		39	73	21		1	1				
15	61			21		37	78	25		1	1		3		3
16	82		1	32		33	59	19	7	2	4			24	
17	62	3		21		31	59	18		2	2				
18	80	2		33		26	57	17	2	1	2				
19	80	1		37		24	59	27			2			47	
20	92	1		38	1	38	58	18	1		1			3	
21	68	4		54		24	80	11	1					48	
22	62	3		59		19	52	28						3	
23	55	6		101	1	38	57	17	2		2				
24	61	4		86	1	29	73	15	2		3			10	
25	75	3		174		38	77	22	1					16	
26	54	10		136		35	56	17	3	1	2				3

	KILAUEA SUMMIT				KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
	SHORT	LONG	PERIOD	30	KAO.	UP.	LOW.	SHORT	LONG	NE	KILAUEA		MAUNA
DATE	PER.	CALDERA		KM	& SW	EAST	EAST	PER.	PER.	RIFT			LOA
1989	CALD.	A	B C		RIFT	RIFT	RIFT				SHAL.	INT. DEEP	
NOV27	33	24	86		30	52	7	1	1	3		34	
28	37	625	90		33	61	13		1	4			
29	49	792	76		41	77	13	1		4		37	
30	54	100	32		25	77	14						
DEC 1	69	31	22		57	73	16	2		2		23	
2	117	6	31		25	65	26	2					
3	62	5	78		26	73	12	1		2			
4	62	2	125		32	57	6		1				
5	88	2	149		49	71	10	1	1	1			
6	116	5	138		42	67	9	1	1	1		19	5
7	82	2	146		27	70	26	3	3	4		19	3
8	81		98		43	72	17		1	1	3		
9	83		167		24	77	10	1		1	10		
10	66	1	64		25	76	14			2			
11	80	1	73		31	56	22			2		17	
12	81	3	52		38	59	13	8	2	1		24	
13	63	5	58		34	70	7	3	2	3			
14	66	2	20		22	67	15	1		1		104	
15	82	5	25		31	52	11						
16	73		55		40	48	7					37	
17	82	5	58		22	69	20	1		2			
18	101	1	60		24	109	18	3		1			
19	86		70		30	65	10						
20	86	2	29		29	59	14	1	1	3			3
21	109	12	13	1	38	63	9	1					
22	63	11	26	2	28	76	18	3	3				
23	93	3	63		32	69	16	4	1				
24	91	1	38		38	59	17	2	1	2			
25	91		38		37	86	19				5		
26	67	1	15		15	68	16	1		8			
27	70		5		41	205	15	3	1	3		3	
28	82	1	61		32	115	14	1	1	2			
29	75		87		22	91	22	3		1			
30	59	1	51		22	67	27	5	1	4			
31	76		38		15	59	21			2		16	

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

Table 4. Coordinates of named regions used for classifying earthquakes.

All earthquakes are 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 SW 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 imply an 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

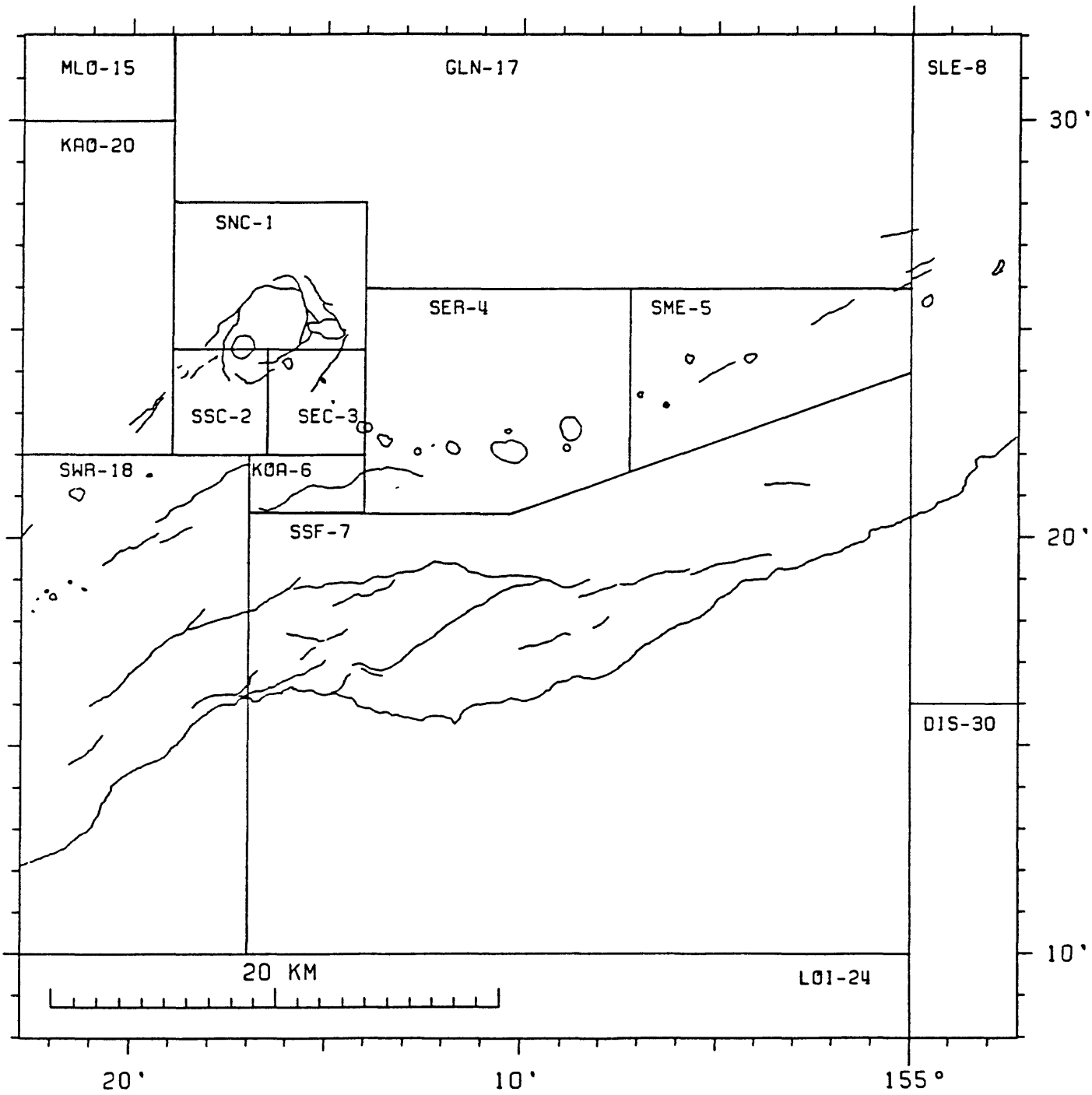


Figure 5. Earthquake classification, shallow (0-5 km deep), for Kilauea and the east flank of Mauna Loa.

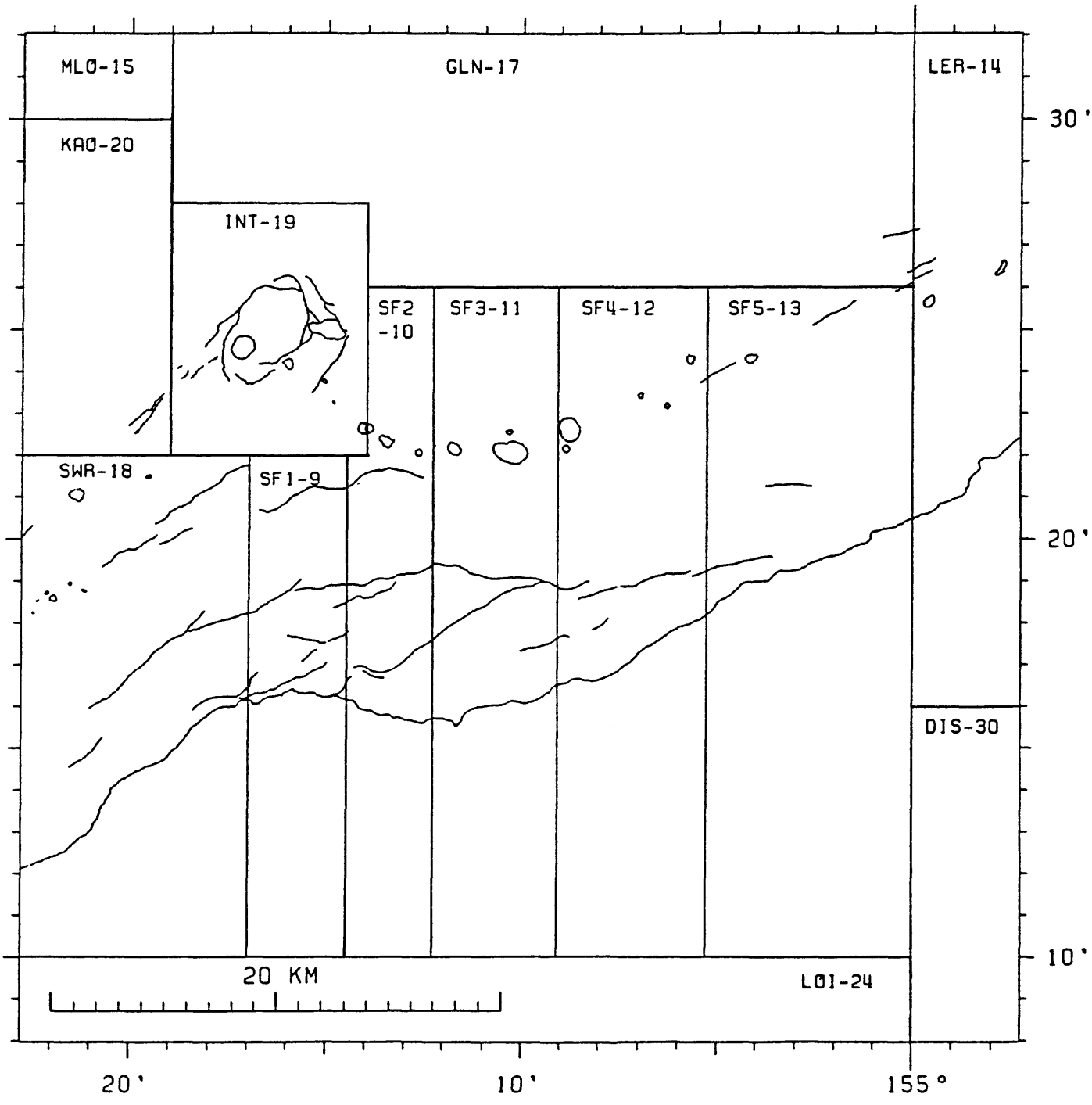


Figure 6. Earthquake classification, intermediate (5.1-13 km deep), for Kilauea and the east flank of Mauna Loa.

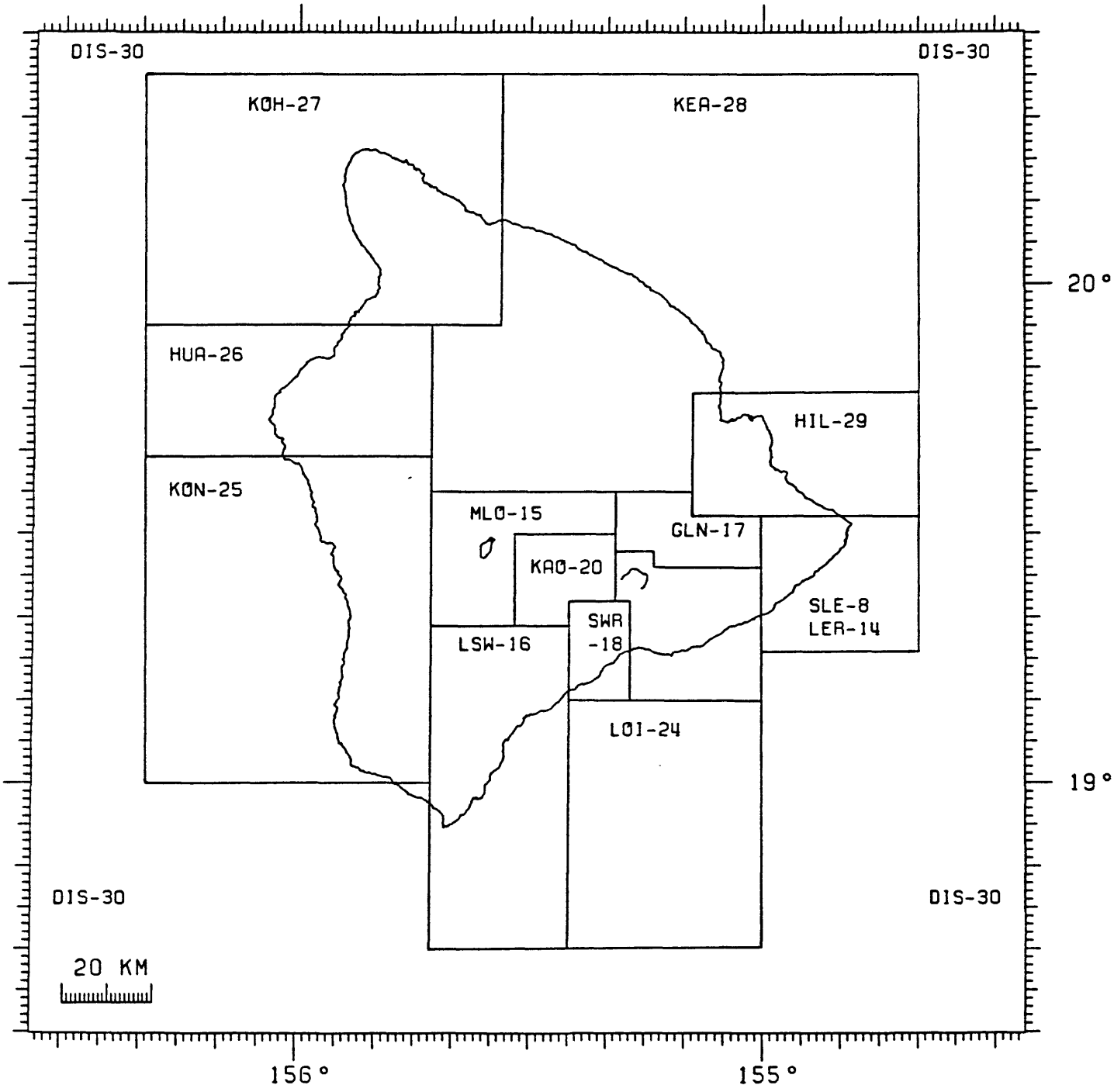


Figure 7. Earthquake classification, crustal (0-13 km deep), for the Island of Hawaii.

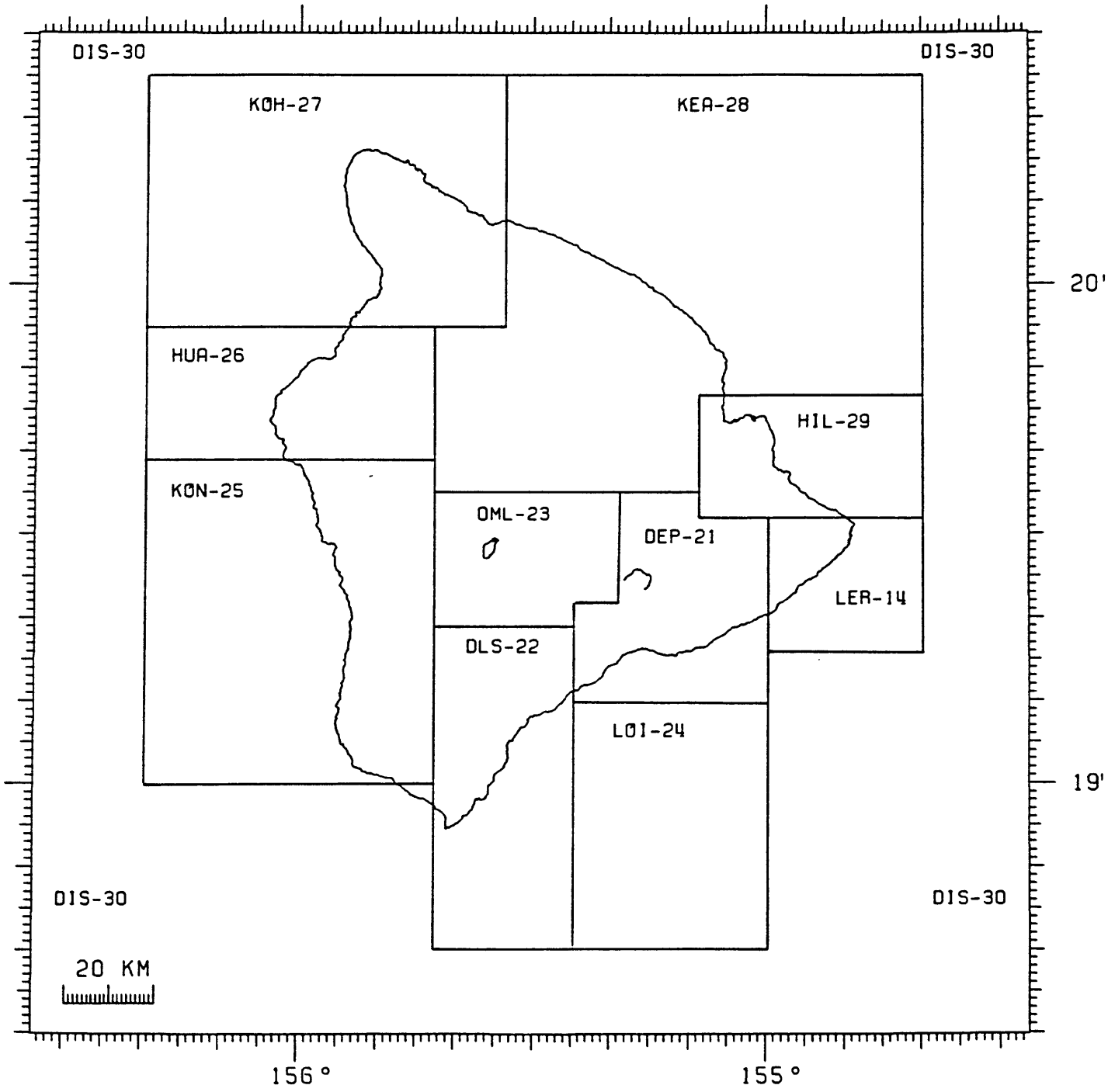
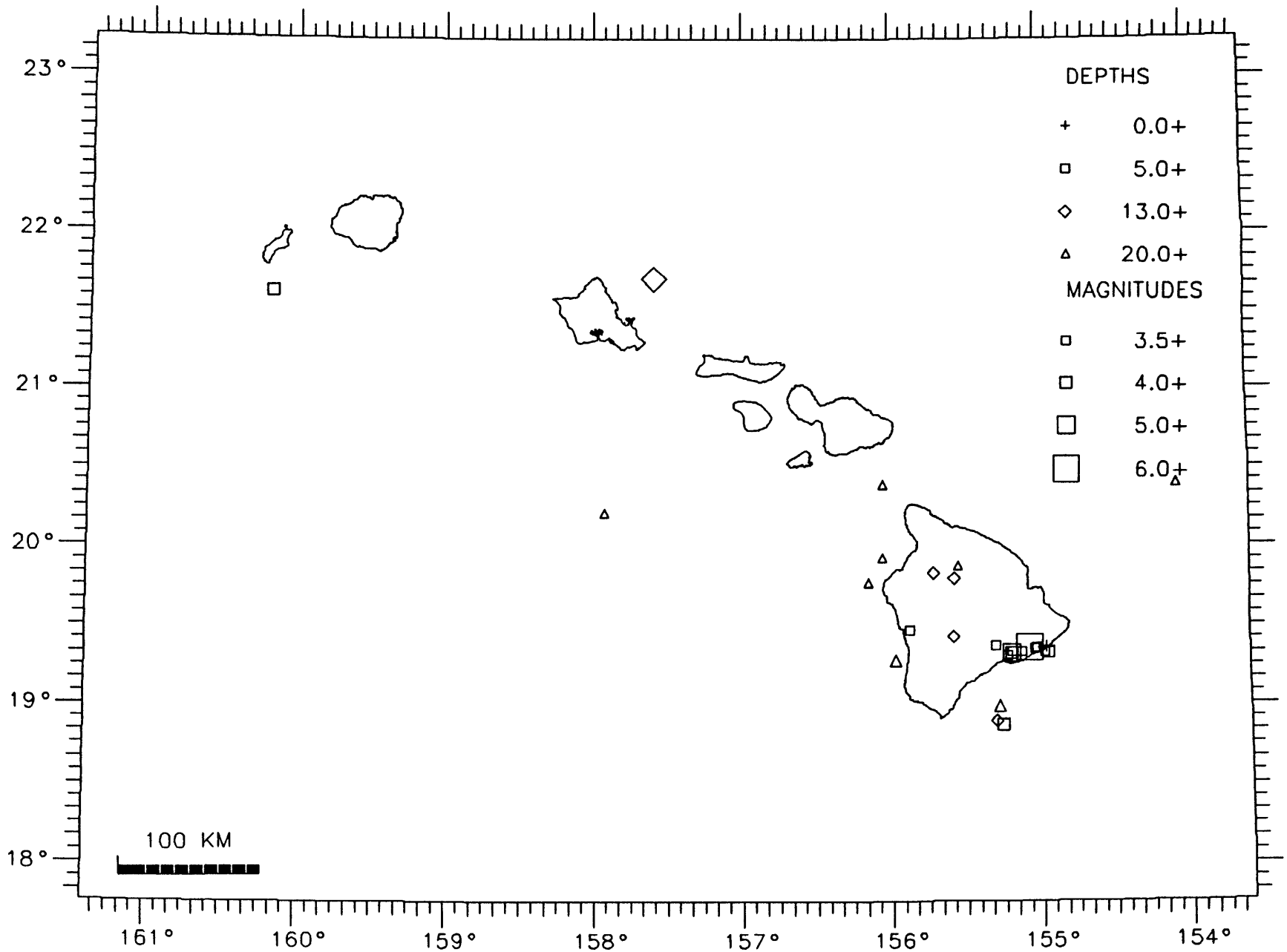


Figure 8. Earthquake classification, deep (greater than 13 km deep), for the Island of Hawaii.

Figure 9. 1989 Earthquake locations, Hawaiian Islands,
0–60 km deep, M>=3.5.



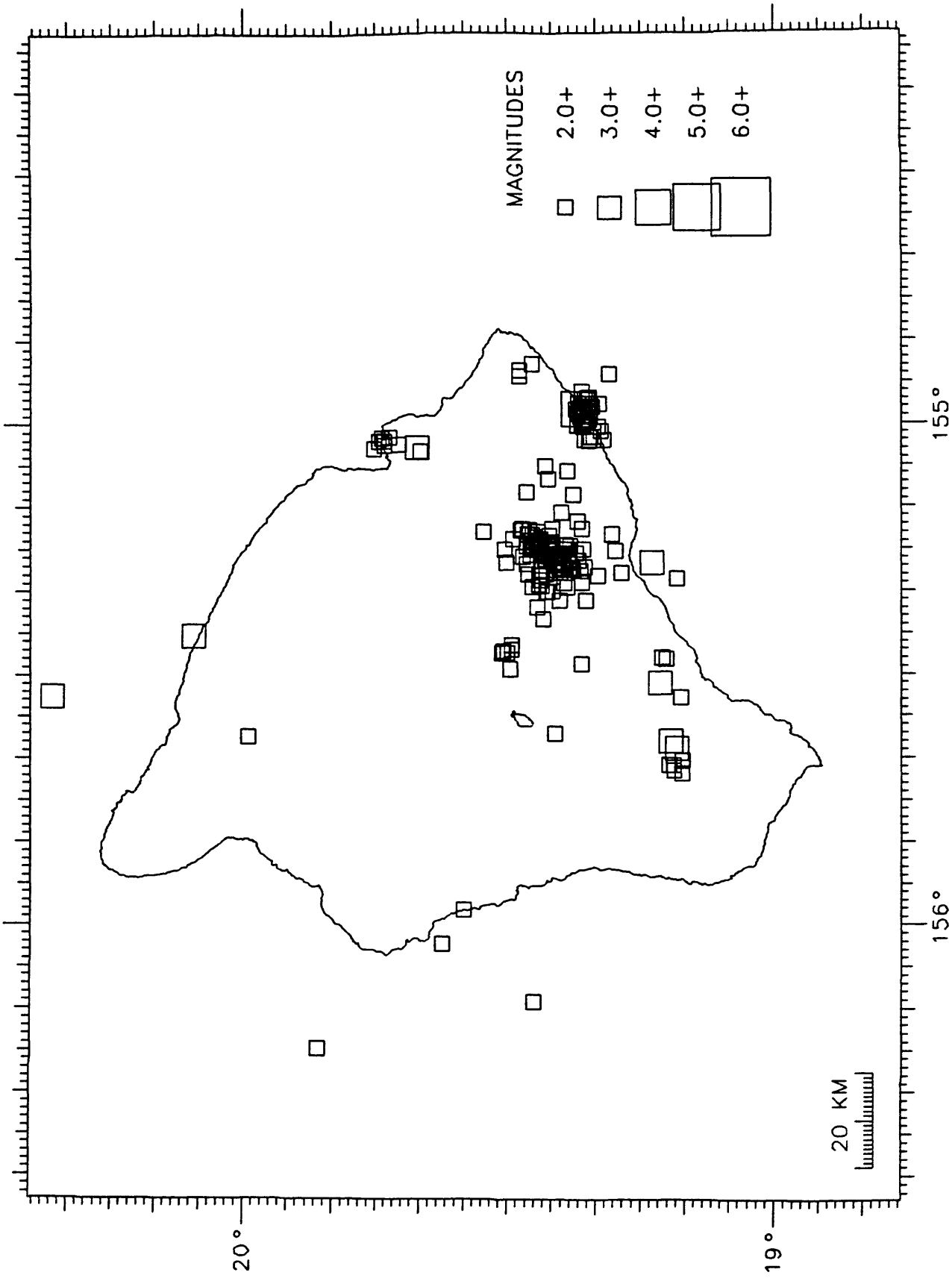


Figure 10. 1989 Earthquake locations, Hawaii Island, shallow (0-5.0 km deep), M>=2.0.

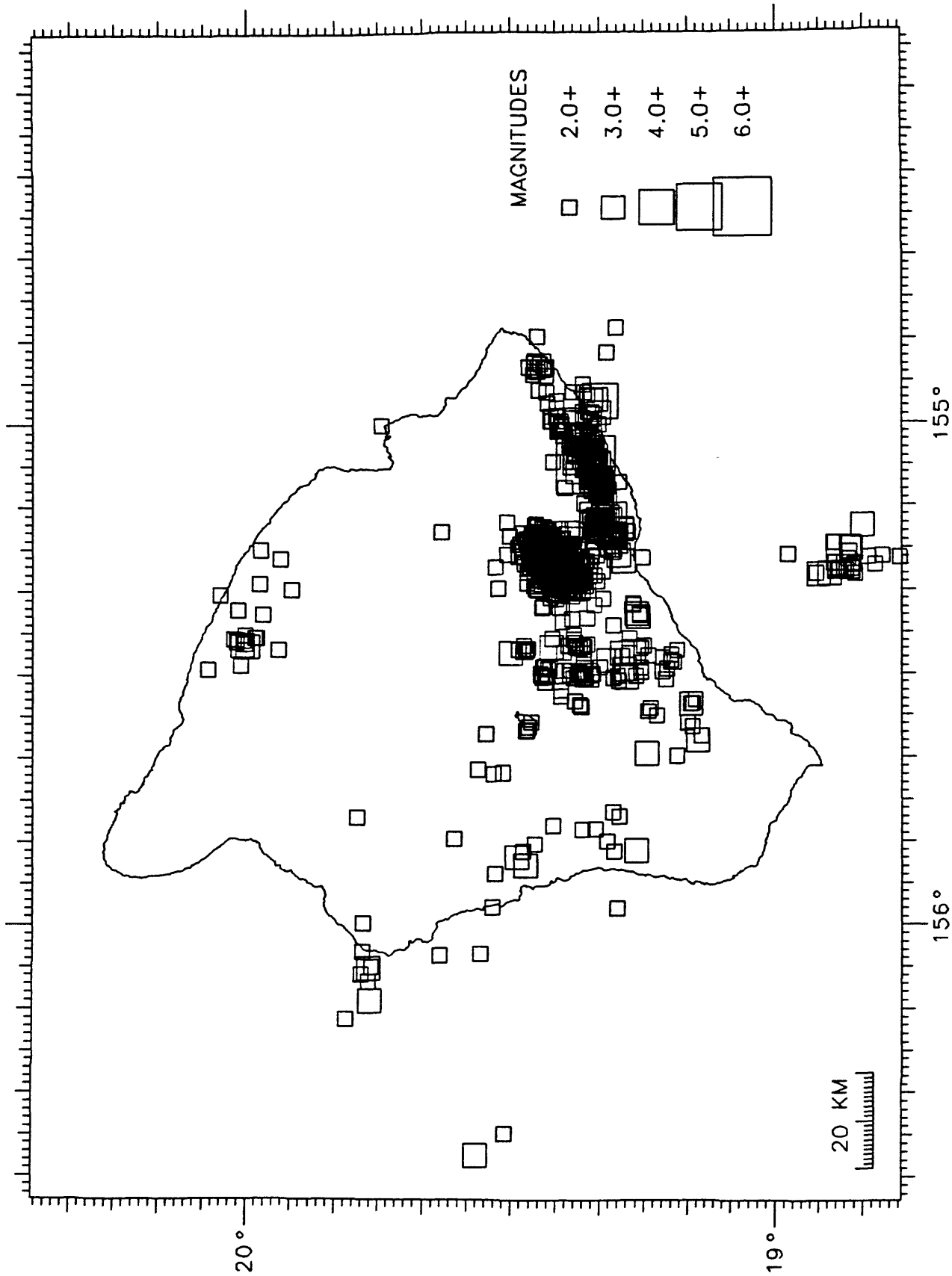


Figure 11. 1989 Earthquake locations, Hawaii Island, intermediate (5.1–13.0 km deep), M>=2.0.

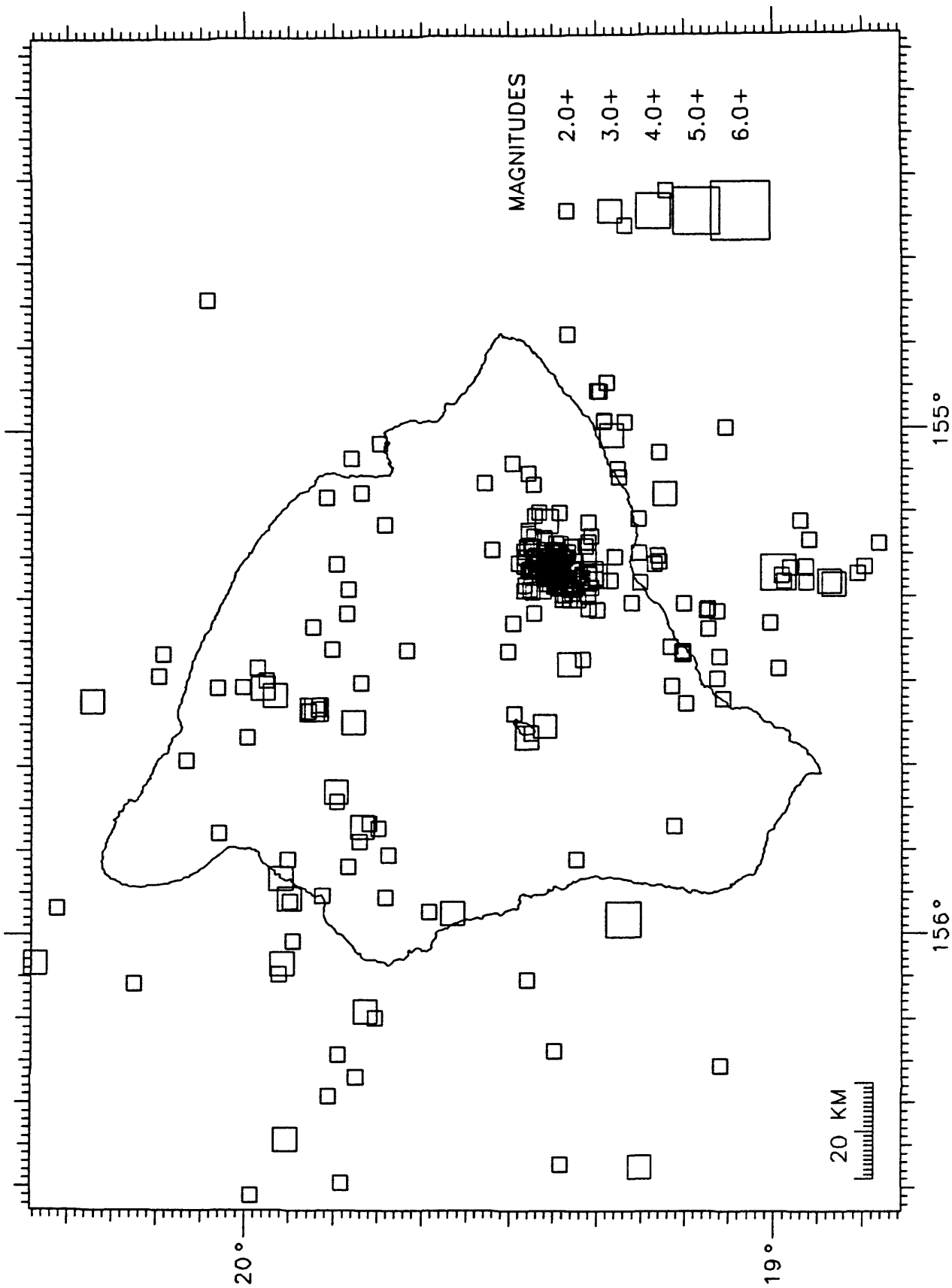


Figure 12. 1989 Earthquake locations, Hawaii Island, deep (13.1-60.0 km deep), M>=2.0.

Figure 13. 1989 Earthquake locations, Kilauea summit, shallow (0–5.0 km deep), M>=1.0.

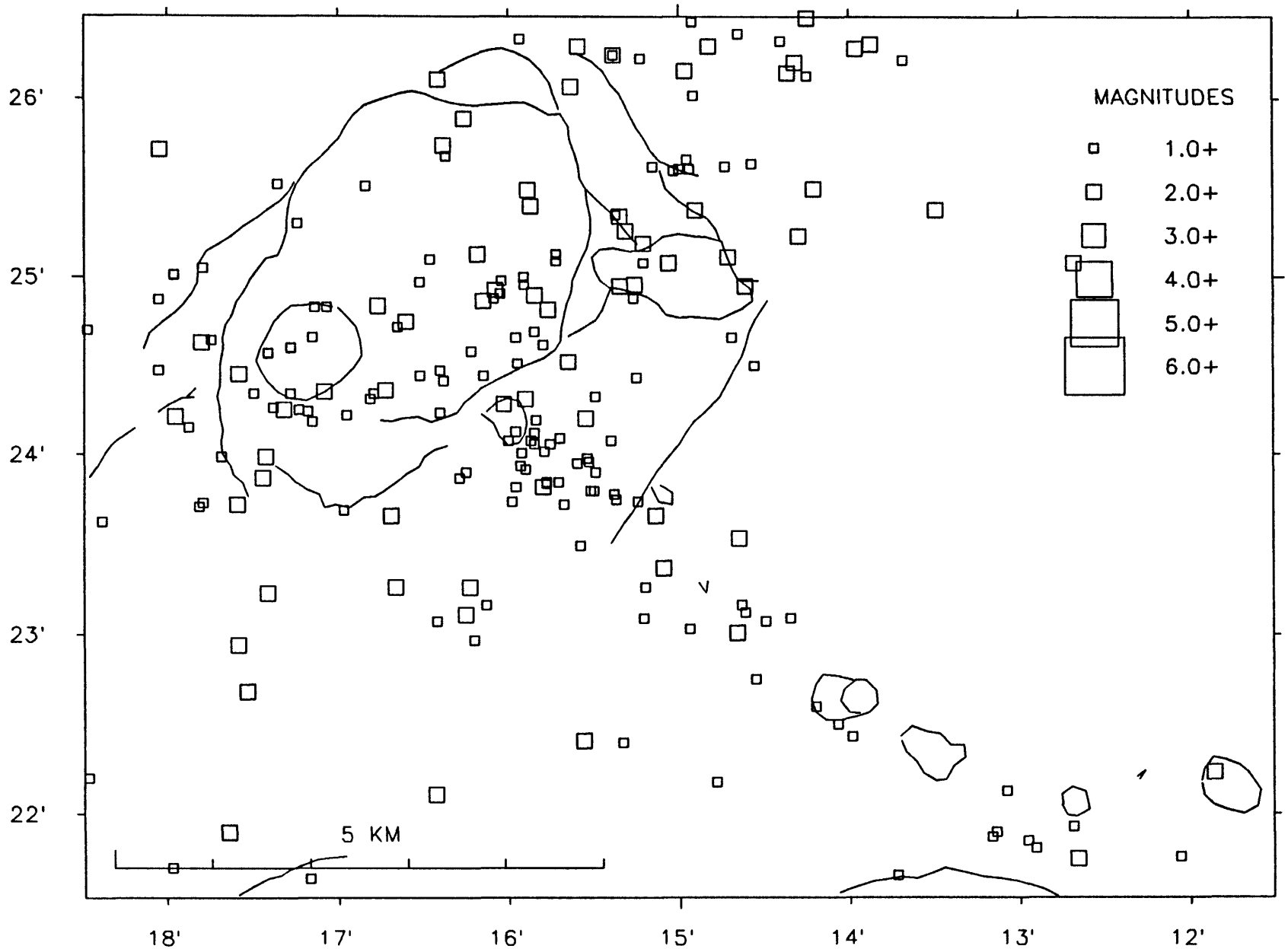


Figure 14. 1989 Earthquake locations, Kilauea summit, intermediate (5.1–13.0 km), M>=1.0.

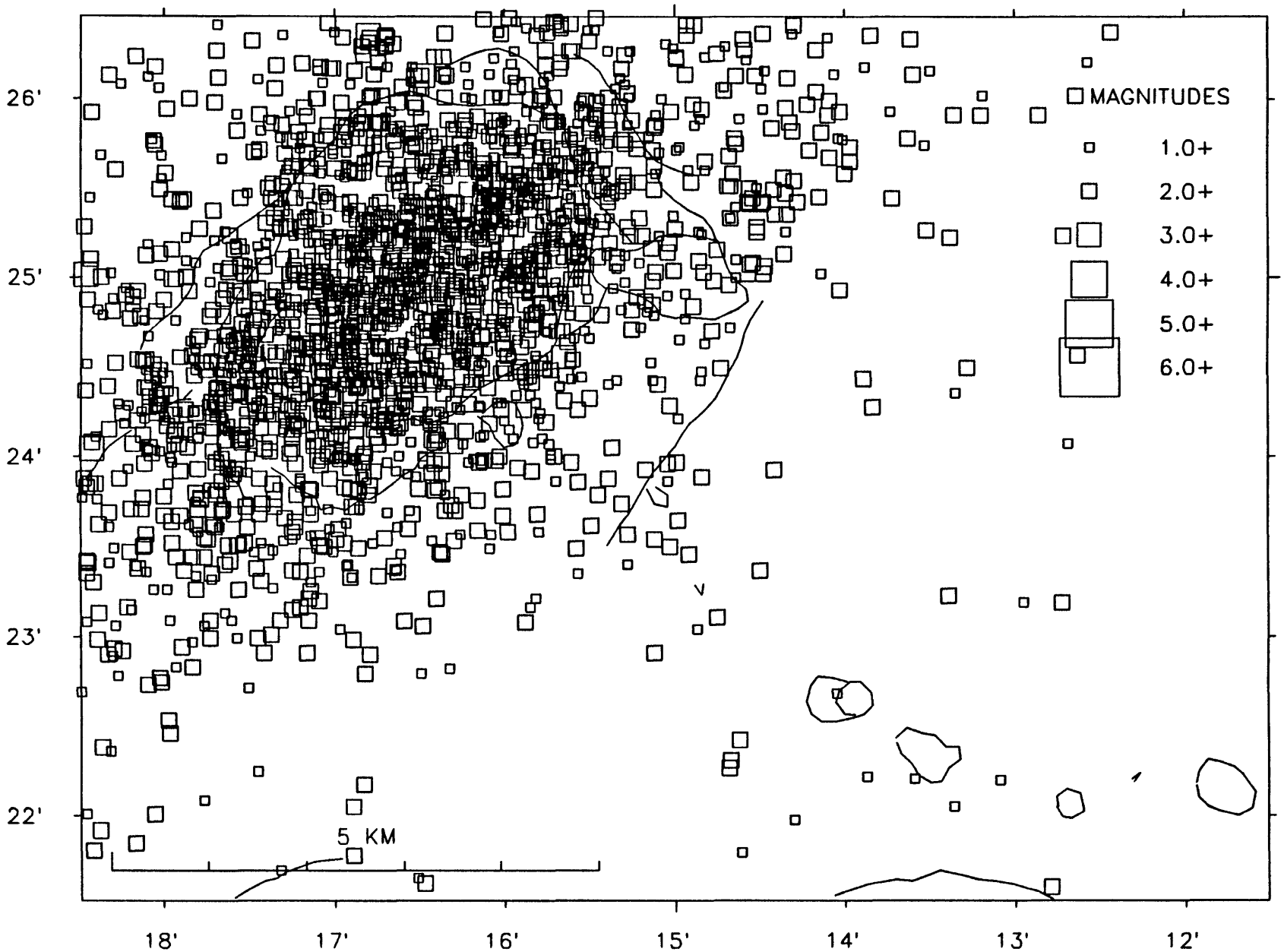


Figure 15. 1989 Earthquake locations, Kilauea summit,
deep (13.1–60.0 km deep), M>=1.0.

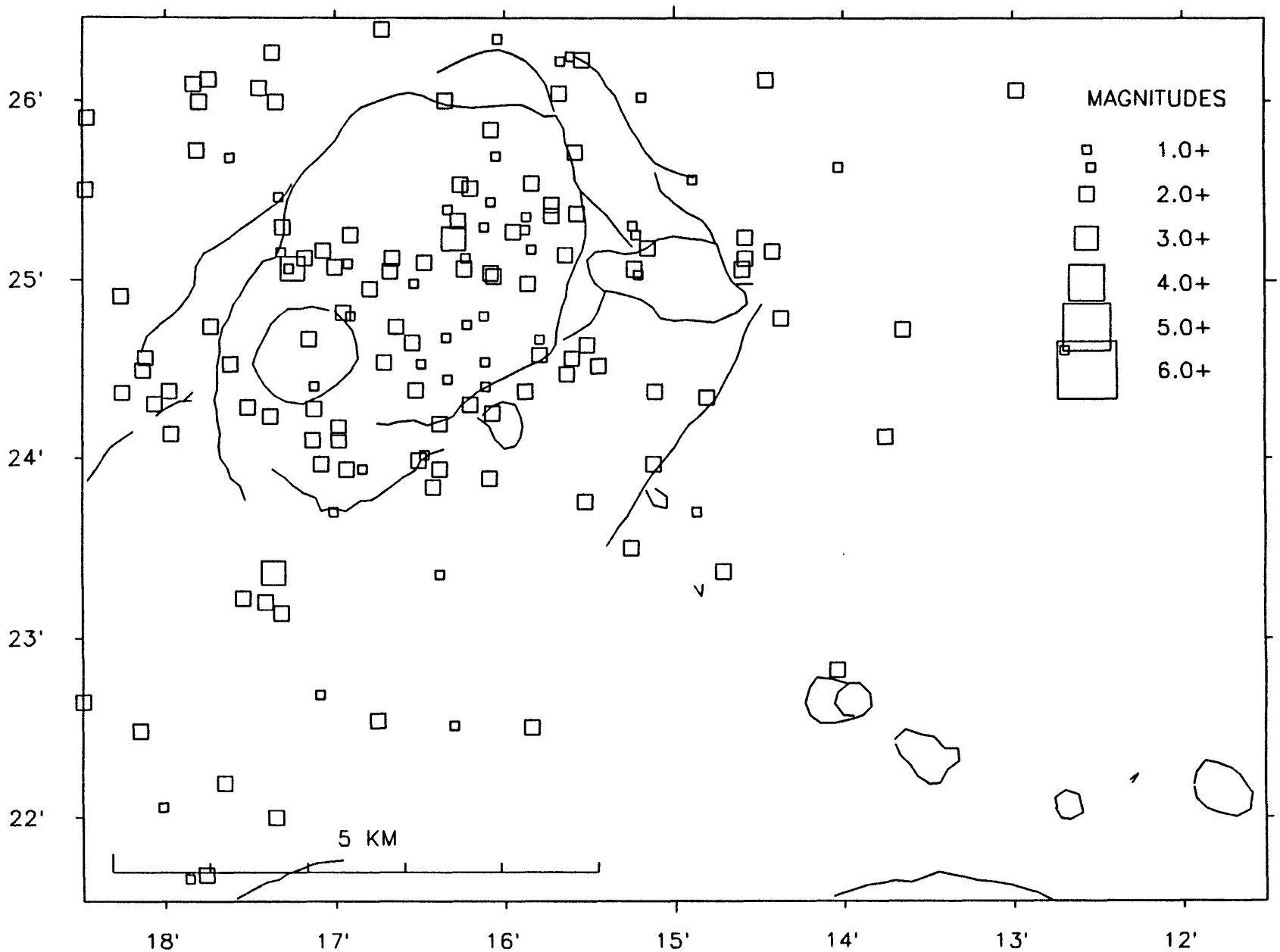


Figure 16. 1989 Earthquake locations, Kilauea south flank, shallow (0–5.0 km deep), M>=2.0.

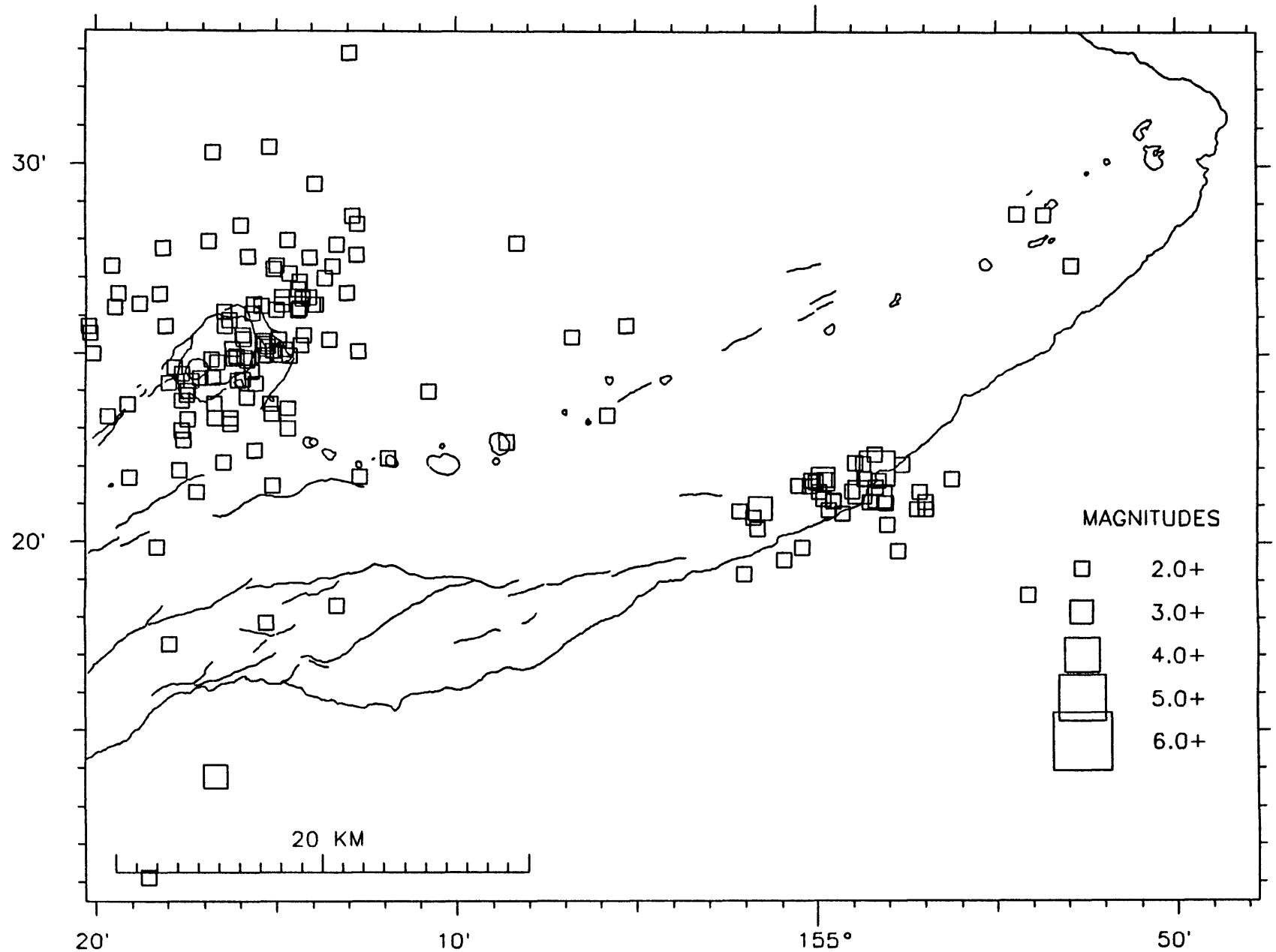


Figure 17. 1989 Earthquake locations, Kilauea south flank, intermediate (5.1–13.0 km deep), M>=2.0.

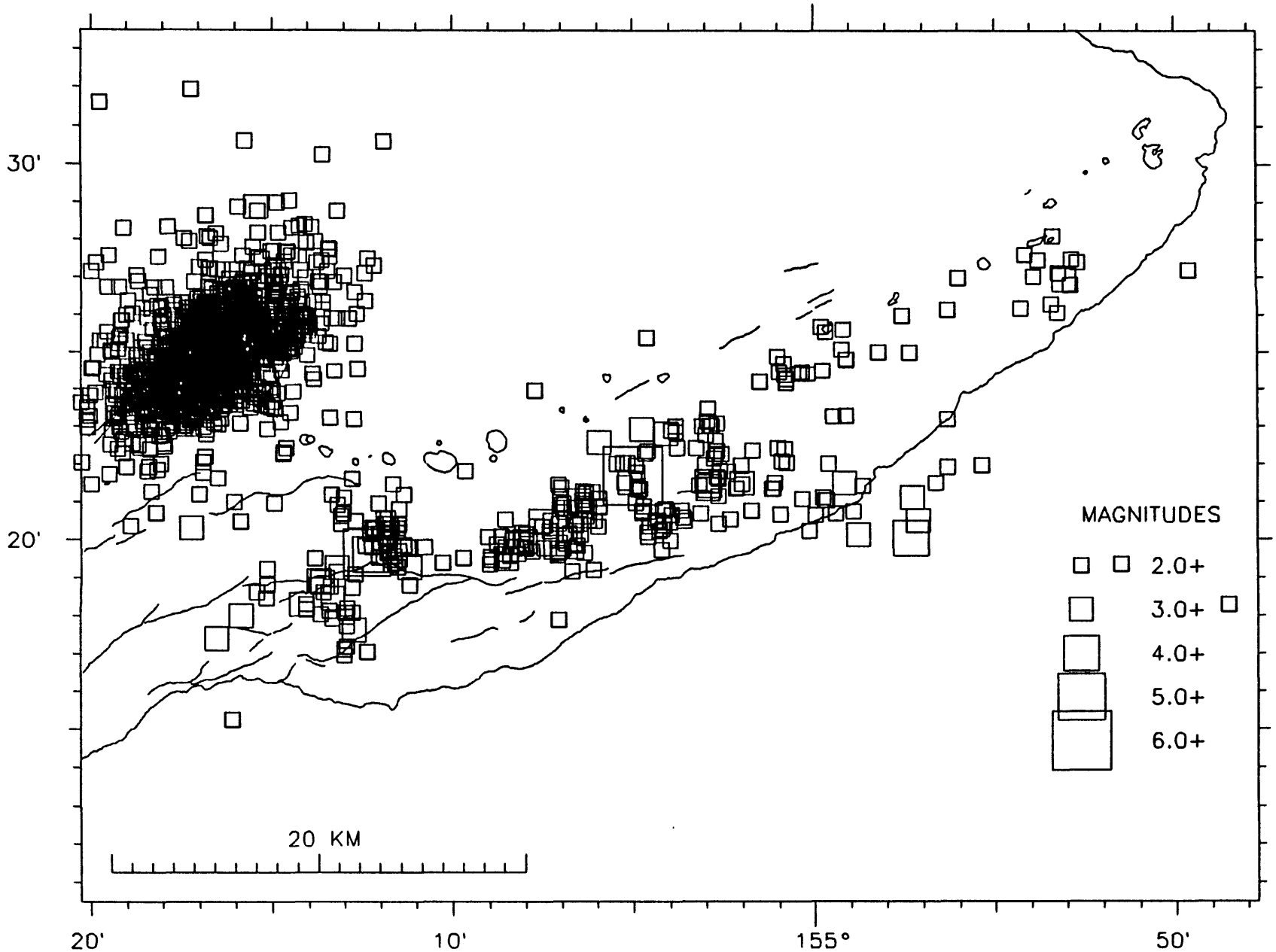


Figure 18. 1989 Earthquake locations, Kilauea south flank, deep (13.1–60.0 km deep), M>=2.0.

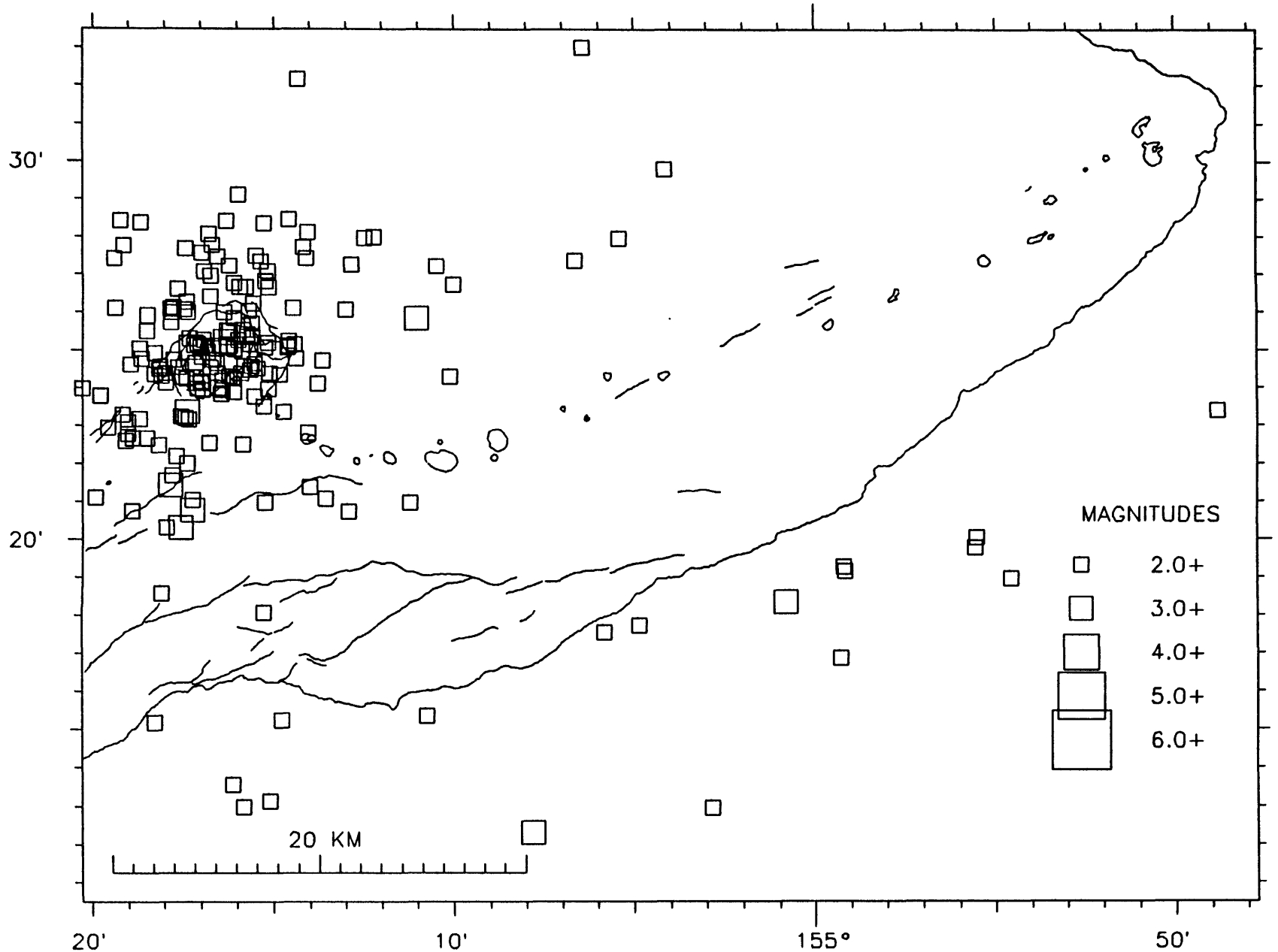
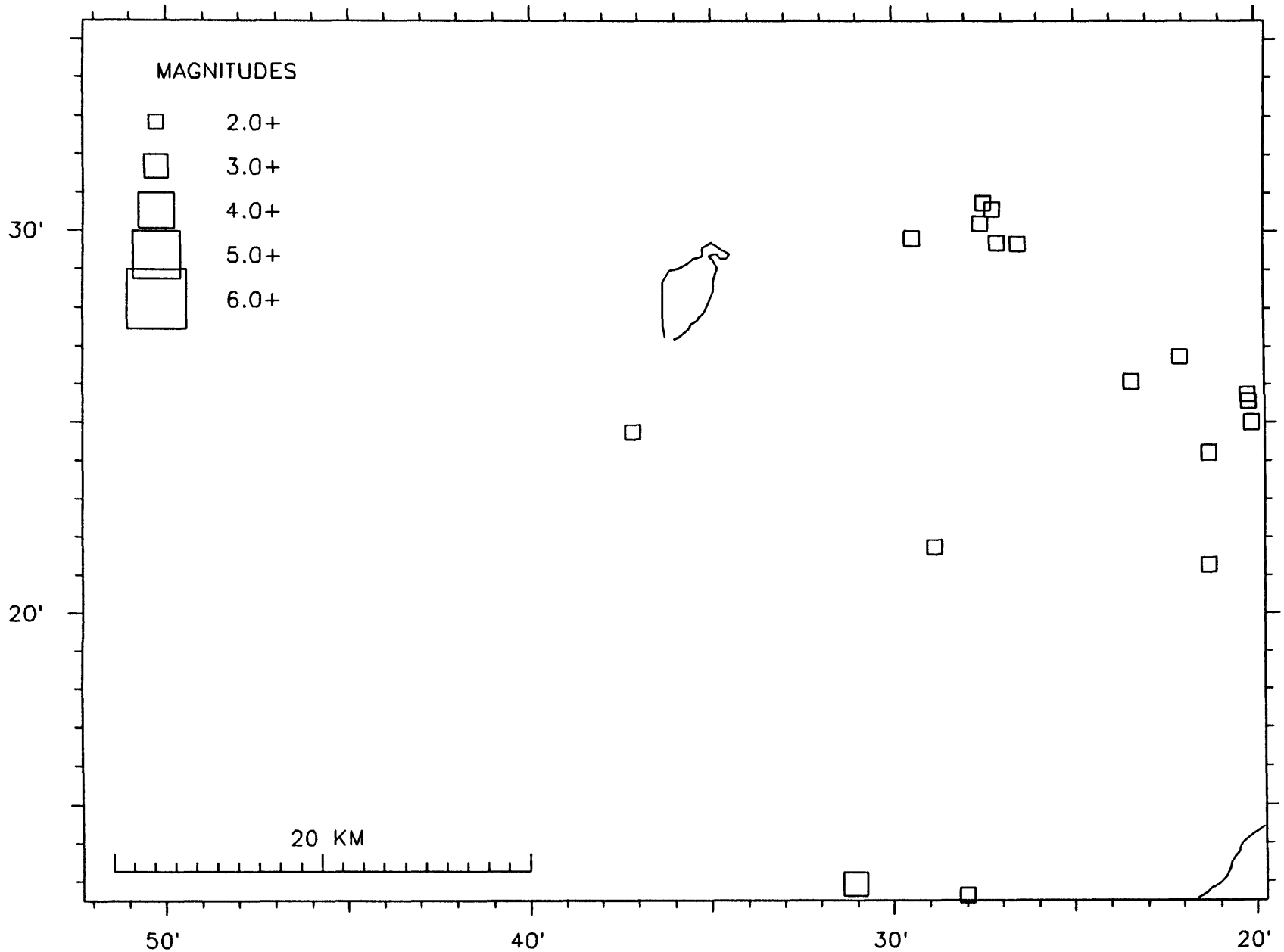


Figure 19. 1989 Earthquake locations, Mauna Loa summit, shallow (0–5.0 km deep), M>=2.0.



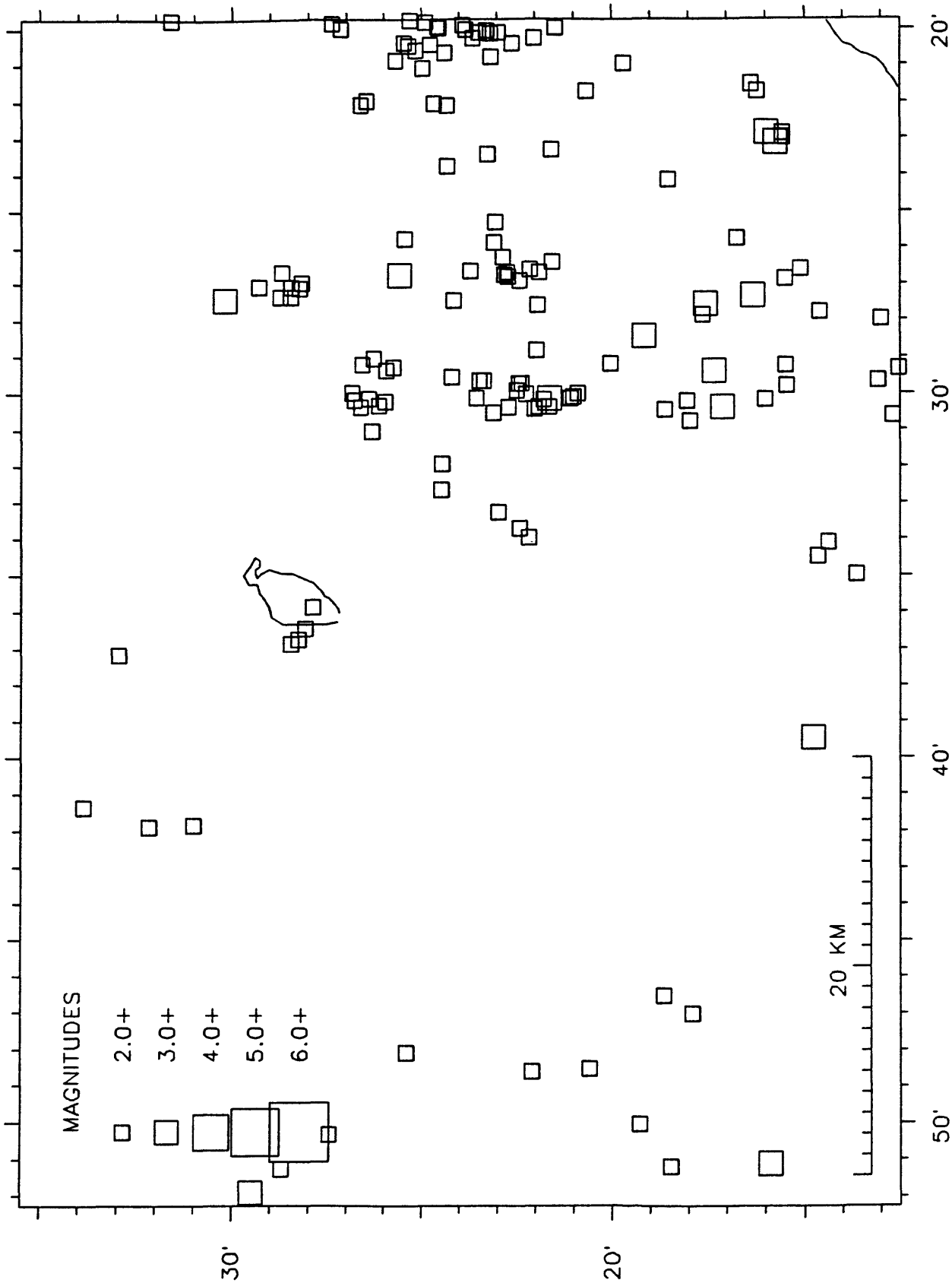
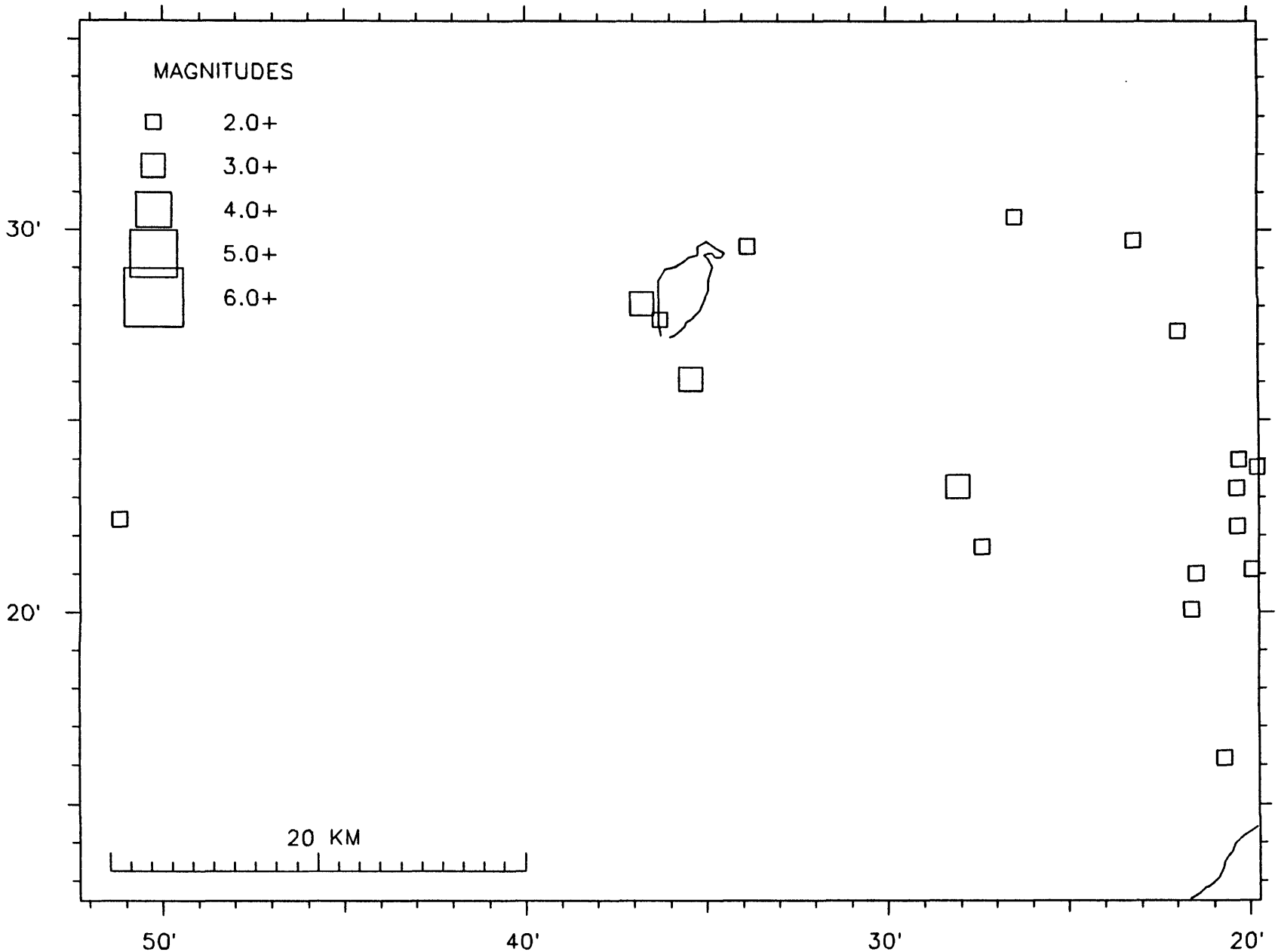


Figure 20. 1989 Earthquake locations, Mauna Loa summit, intermediate (5.1–13.0 km deep), M>=2.0.

Figure 21. 1989 Earthquake locations, Mauna Loa summit, deep (13.1–60.0 km deep), M>=2.0.



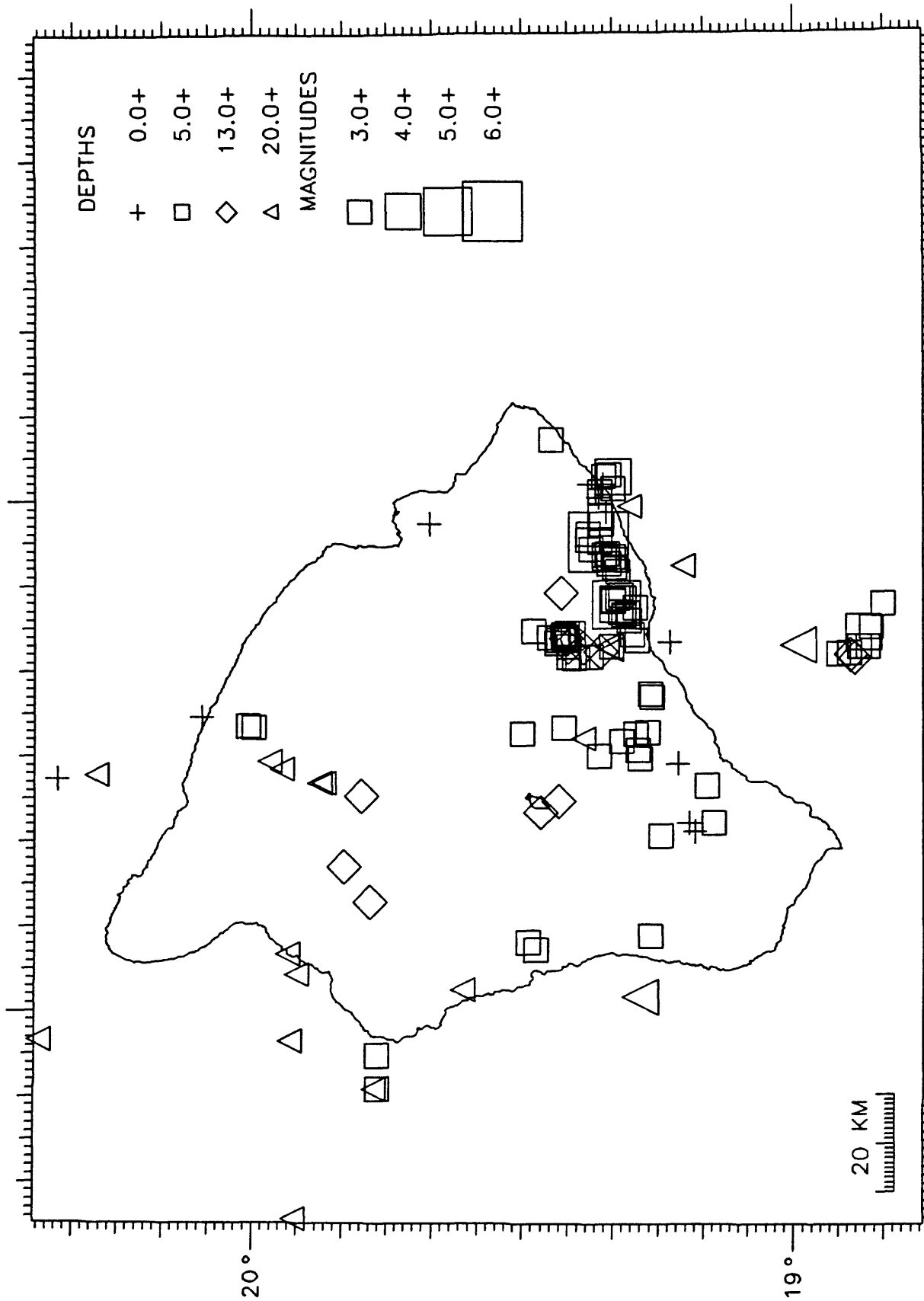


Figure 22. 1989 Earthquake locations, Hawaii Island, 0-60 km deep, M>=3.0.

Table 5 is a chronological listing of all events successfully located during 1989. 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).

DEPTH - Depth of focus in kilometers.

AMP MAG - Amplitude magnitude, if determined.

DUR MAG - Duration magnitude, if determined.

CD MAG - CUSP determined coda-amplitude magnitude.

NR - Number of arrivals (P or S) used for solution.

NS - Number of S arrivals used for 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.

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

Table 5.

1989 HVO EARTHQUAKE SUMMARY LIST 1

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JAN	1	635	8.86	19	20.31	155	11.52	8.55	2.3	2.4	2.4	49	6	79	.14	4	0.4	0.3	45	SF3	
		1	717	47.58	19	19.74	155	11.32	7.80		1.2	1.4	27	2	91	.14	5	0.5	0.9	27	SF3	
		1	1920	18.62	19	28.47	155	11.62	11.51	1.9	1.2	1.5	47	11	124	.14	8	0.5	0.5	39	GLN	
		1	22 7	5.34	19	47.35	155	29.65	18.26	2.0	1.5	1.7	35	4	119	.15	4	0.6	0.9	33	KEA	
		2	633	47.42	19	19.09	155	13.48	8.62	1.4	1.2	1.3	28	6	127	.11	4	0.6	0.5	26	SF2	
		2	1620	30.52	19	25.28	155	30.61	10.33	1.7	1.2	1.5	25	1	36	.08	4	0.4	0.9	19	KAO	
		2	17 1	19.36	19	20.99	155	11.19	30.52	2.4	2.4	2.5	57	9	70	.13	3	0.6	0.8	43	DEP	
		2	1926	54.04	19	23.83	155	30.26	9.57	1.7	1.1	1.4	36	3	49	.10	5	0.4	0.6	35	KAO	
		2	20 8	40.77	18	56.04	156	23.81	15.86		1.7	1.8	22	16	309	.14	66	4.1	11.5	8	DIS	*
		3	843	59.80	19	8.53	155	37.37	5.74	2.3	1.9	1.9	33	4	112	.14	12	0.4	2.5	31	LSW	
		3	1112	2.05	19	23.58	155	21.37	9.86	1.8	1.2	1.2	21	2	54	.08	3	0.5	1.1	15	KAO	
		3	1410	43.45	19	26.34	155	15.93	1.91	2.0	1.1	1.3	17	3	163	.14	3	0.3	0.6	11	SNC	
		3	1624	58.91	19	17.58	155	5.82	43.72	2.3	2.3	2.2	48	3	191	.11	4	0.9	1.1	40	DEP	
		3	2123	20.98	19	22.42	155	29.72	10.17	2.1	2.0	1.8	45	3	33	.13	4	0.4	0.5	43	KAO	
		4	027	13.05	19	19.01	155	13.17	9.36	1.5	1.6	1.5	32	5	80	.09	4	0.4	0.3	32	SF2	
		4	050	44.98	19	17.82	155	6.02	7.26	2.0	1.9	1.7	35	3	206	.12	3	0.6	0.9	33	SF4	
		4	9 3	55.98	19	13.58	155	16.10	28.36	2.3	2.0	1.9	48	7	174	.11	8	0.8	0.6	41	DEP	
		4	1234	55.25	19	25.34	155	19.62	5.85	1.9	1.2	1.1	27	6	72	.12	3	0.4	0.9	21	KAO	
		4	1256	5.12	19	23.85	155	15.78	2.98	1.6	1.3	1.4	25	10	70	.08	1	0.3	0.3	15	SEC	
		4	2135	12.92	19	20.04	155	11.83	8.97	2.2	2.4	2.2	55	11	82	.12	5	0.3	0.3	48	SF3	
		5	027	50.47	19	23.85	155	29.76	10.34	1.6	1.2	1.4	36	4	48	.11	4	0.4	0.5	35	KAO	
		5	750	59.55	19	21.68	155	17.76	29.10	2.7	3.0	2.6	66	19	28	.12	3	0.6	0.4	48	DEP	
		5	1122	13.09	19	28.74	155	27.34	10.79	2.5	2.2	2.0	43	5	60	.10	6	0.3	0.6	28	KAO	
		5	1730	59.66	19	23.95	155	15.60	3.13	1.7	1.1	1.4	21	5	72	.11	2	0.3	0.4	10	SEC	
		5	23 6	49.02	19	47.07	155	30.14	15.72	2.3	2.0	2.1	44	8	117	.13	5	0.7	1.1	37	KEA	
		6	447	59.74	19	16.94	155	12.65	8.46	1.5	1.4	1.5	25	3	181	.11	1	0.7	1.0	19	SF2	
		7	1043	21.58	19	28.70	155	26.66	7.05	2.6	2.4	2.1	54	14	47	.13	6	0.3	0.7	41	KAO	
		7	1242	25.98	19	24.27	155	27.20	5.46	1.8	1.5	1.4	25	2	54	.11	3	0.4	0.9	24	KAO	
		7	1731	5.59	19	27.44	155	50.30	10.33	2.6	2.2	2.0	35	1	192	.17	10	1.2	0.6	35	KON	
		7	2333	30.48	19	21.56	155	26.40	10.36	2.0	2.0	1.7	38	4	46	.11	3	0.4	0.6	34	KAO	
		8	1432	33.39	19	50.29	155	26.11	28.66	2.4	2.4		22	5	195	.10	7	0.9	0.9	18	KEA	
		8	1438	18.23	19	52.53	155	23.39	27.77	2.9	2.4	2.4	49	11	164	.12	5	0.7	1.2	32	KEA	
		8	1831	26.10	19	21.06	155	8.10	8.19	1.6	1.9	1.7	23	1	74	.05	4	0.5	0.9	16	SF4	
		8	2343	45.02	19	23.98	155	15.54	2.88	2.0	1.8	1.8	37	11	73	.11	2	0.2	0.2	26	SEC	
		9	5 1	22.79	19	21.07	155	8.11	8.47	1.6	1.4	1.5	33	6	74	.10	4	0.4	0.5	30	SF4	
		9	1520	31.56	19	25.97	155	29.60	10.02	2.2	1.6	1.8	36	5	41	.08	7	0.3	0.8	26	KAO	
		9	2337	54.06	19	15.97	155	22.84	7.75	3.0	3.7	3.7	55	10	132	.16	4	0.4	0.5	48	SWR	F
		9	2358	15.64	19	15.76	155	23.11	8.62	2.8	3.2	3.1	52	7	130	.16	3	0.4	0.6	47	SWR	F
		10	0 6	8.85	19	15.51	155	22.88	8.20	1.6	1.4	1.2	26	4	139	.12	3	0.5	0.7	22	SWR	
		10	017	2.36	19	15.15	156	27.65	23.14	3.3	2.8	2.8	36	3	302	.11	62	1.2	5.4	38	DIS	
		10	021	51.89	19	15.55	155	22.49	8.19		1.6	1.3	30	5	158	.12	4	0.5	0.7	26	SWR	
		10	423	48.80	19	15.49	155	29.24	8.76	2.2	2.1	2.0	45	3	64	.19	2	0.4	0.8	42	LSW	
		10	637	21.54	19	16.15	155	12.53	8.87	1.6	1.4	1.5	30	6	193	.12	2	0.5	0.5	26	SF2	
		10	12 4	8.01	19	46.88	155	47.24	13.47	3.4	3.2	3.2	55	13	153	.14	12	0.4	0.2	45	HUA	F
		10	1322	1.04	19	19.58	155	7.21	5.65	1.6	1.2	1.6	24	5	113	.10	4	0.4	1.0	22	SF4	

1989 HVO EARTHQUAKE SUMMARY LIST 2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JAN	10	1545	1.34	19	17.37	155	12.90	6.68	1.8	1.5	1.5	23	1	147	.10	1	0.5	1.0	14	SF2	
		10	1823	55.85	19	21.53	155	5.23	7.36	1.9	2.4	2.2	36	2	86	.10	5	0.4	0.8	29	SF5	
		10	1825	13.10	19	21.33	155	4.95	6.99	1.7	1.4	1.7	24	2	90	.13	4	0.6	1.3	18	SF5	
		11	143	26.72	19	23.46	155	27.23	10.85	1.9	1.4	1.6	43	5	30	.11	2	0.3	0.4	41	KAO	
		11	312	0.77	19	22.10	155	26.71	9.68	1.5	1.4	1.5	37	4	44	.13	2	0.4	0.5	35	KAO	
		12	5 9	4.82	19	21.94	155	27.56	10.52		2.6	2.1	51	9	41	.12	1	0.3	0.4	43	KAO	
		12	1342	33.88	19	19.10	155	13.33	4.86	2.0	1.7		23	2	75	.09	4	0.4	1.2	22	SSF	
		12	1817	25.90	19	24.34	155	17.28	2.19	2.0	1.1	1.4	20	5	59	.10	1	0.3	0.2	9	SSC	
		12	2236	54.59	20	9.38	155	26.61	23.85	2.7	1.7	1.7	38	9	239	.12	35	0.7	2.7	31	KEA	
		12	2241	22.50	19	17.39	155	27.63	9.77		1.4	1.5	42	6	51	.16	6	0.4	0.6	36	LSW	
		14	630	59.93	19	19.63	155	9.90	5.05	1.8	1.7	1.7	36	5	92	.13	5	0.3	1.0	30	SF3	
		14	2336	42.42	19	21.79	155	5.00	6.52		1.2	1.7	29	5	80	.11	5	0.4	0.6	24	SF5	
		15	128	10.83	19	26.15	155	18.65	7.70	2.2	1.6	1.3	27	8	92	.13	2	0.6	0.7	19	INT	
		16	841	34.16	19	22.72	155	26.79	9.57	2.1	2.0	1.8	44	5	39	.13	1	0.3	0.4	40	KAO	
		16	12 9	12.53	19	22.15	155	30.59	10.69	1.7	1.4	1.5	31	1	48	.11	5	0.4	0.8	19	KAO	
		16	1454	18.15	19	26.58	155	29.19	9.21	2.5	2.2	2.1	44	8	43	.12	7	0.3	0.8	27	KAO	
		17	535	28.41	19	56.26	155	16.09	10.87	2.6	2.4	2.2	35	3	252	.11	9	1.5	0.7	35	KEA	
		17	11 3	9.07	19	20.04	155	9.82	8.59	1.5	1.6	1.6	38	7	83	.13	4	0.4	0.5	33	SF3	
		17	1244	39.85	19	26.69	155	29.95	9.29	1.9	1.4	1.5	36	6	44	.10	6	0.3	0.6	31	KAO	
		17	1648	17.31	19	18.72	155	13.54	7.82	1.4	1.2	1.4	19	3	85	.05	3	0.5	1.0	14	SF2	
		17	1937	20.73	19	17.12	155	30.38	9.09	3.1	3.4	3.2	46	3	48	.14	4	0.4	0.6	37	LSW	F
		18	218	0.01	19	23.82	155	15.96	2.86	1.8	1.2	1.2	29	10	102	.12	1	0.3	0.2	20	SEC	
		18	1022	38.92	19	18.02	155	13.31	6.81	1.8	1.4	1.7	36	6	92	.11	2	0.5	0.8	31	SF2	
		18	1055	3.57	19	21.74	155	2.72	4.37	1.7	1.2	1.6	33	6	132	.14	3	0.5	1.2	27	SSF	
		18	1737	27.88	19	19.54	155	8.12	7.84	1.6	1.2	1.6	29	3	90	.08	4	0.5	0.9	19	SF4	
		18	2024	19.96	19	21.90	155	13.14	3.15	1.6	1.3	1.3	15	4	98	.04	1	0.4	0.4	10	SER	
		19	019	28.58	19	53.57	155	22.82	30.12	2.2	1.6	1.8	43	8	191	.11	4	0.6	0.6	37	KEA	
		19	834	58.98	19	30.90	155	52.96	9.95		1.1	1.2	18	3	141	.12	5	0.9	0.5	16	KON	
		19	1911	16.67	19	25.13	155	22.37	10.57	1.4	1.2	1.1	24	3	51	.11	5	0.5	1.1	13	KAO	
		20	1132	25.51	19	21.68	155	2.70	7.32	2.2	2.3	2.1	47	5	125	.12	3	0.4	0.5	32	SF5	
		20	12 7	21.20	19	26.42	155	28.95	9.64	1.9	1.6	1.6	31	4	45	.10	7	0.4	0.9	22	KAO	
		20	1256	18.60	19	54.83	155	38.94	18.49		1.5	1.7	13	1	235	.08	6	1.4	1.7	3	KEA	
		20	1725	6.03	19	40.97	156	8.16	22.57		1.5	1.5	28	3	248	.12	31	1.1	2.1	28	HUA	
		20	19 0	30.66	19	19.26	155	11.85	7.15	1.5	1.3	1.5	42	8	98	.12	5	0.3	0.5	37	SF3	
		20	2337	59.44	19	19.94	155	8.74	7.52	1.6	1.8	1.7	47	7	74	.14	4	0.4	0.5	40	SF4	
		21	529	34.99	19	24.78	155	30.19	9.88		1.2	1.3	36	4	35	.13	5	0.4	0.6	33	KAO	
		21	1016	44.42	18	52.72	155	16.09	11.65		1.6	1.6	21	2	275	.15	37	1.5	1.0	19	LOI	
		21	1141	1.10	19	18.62	155	30.45	7.01	2.4	2.3	2.2	45	2	40	.15	7	0.4	1.0	46	LSW	
		21	1229	50.77	19	20.11	155	11.38	7.99	1.8	2.0	1.6	44	7	83	.15	5	0.4	0.5	38	SF3	
		21	14 4	12.17	19	19.68	155	29.87	9.38	1.7	1.6	1.6	40	3	38	.14	7	0.3	0.8	41	KAO	
		22	213	24.02	18	58.69	155	15.81	11.15	2.1	2.6	1.6	24	3	242	.11	29	0.9	0.8	22	LOI	
		22	1019	12.47	19	24.25	155	17.23	1.80	1.7	1.3	1.2	11	3	181	.06	1	0.6	0.3	6	SSC	
		22	1314	38.84	19	45.18	155	28.83	14.25	2.0	1.4	1.5	16	0	137	.09	4	0.9	0.4	11	KEA	
		23	1459	2.62	19	22.86	155	30.15	9.86	2.0	1.4	1.4	29	1	41	.12	4	0.4	0.9	18	KAO	
		23	1923	58.05	19	51.42	155	55.42	27.79	2.7	2.6	2.1	28	3	211	.12	28	1.3	1.7	10	HUA	*

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JAN	23	633	5.85	19	20.43	155	2.65	7.38	2.6	2.9		32	3	162	.09	1	0.7	0.4	28	SF5	
		24	736	36.42	18	53.31	155	14.48	11.64	2.5	2.6		18	0	270	.11	38	3.4	1.2	18	LOI	
		24	753	14.48	18	59.16	155	16.73	13.08	2.0	2.2		15	2	246	.15	27	2.9	0.9	15	LOI	
		24	757	33.42	18	59.12	155	16.61	13.07	2.0	2.0		18	2	239	.15	28	2.5	0.9	20	LOI	
		24	815	23.60	18	51.43	155	15.04	11.85	2.8	3.4		32	3	264	.11	40	1.8	1.3	30	LOI	
		24	834	12.84	18	52.75	155	17.81	12.79	2.2	2.2		25	0	260	.10	36	2.6	1.5	25	LOI	
		24	836	33.51	18	51.82	155	17.32	12.29	2.8	3.3		29	1	262	.11	38	2.7	1.6	30	LOI	
		24	840	55.77	18	58.91	155	18.17	14.09	2.4	2.7		29	2	237	.12	26	2.1	0.9	29	LOI	
		24	843	0.25	18	49.86	155	16.59	13.72	2.2	2.1		17	1	277	.11	44	3.5	4.6	18	LOI	
		24	844	41.11	18	58.24	155	16.61	13.16	2.2	2.0		18	3	249	.13	29	2.2	0.9	17	LOI	
		24	850	10.42	18	53.69	155	15.10	10.62		1.6		15	1	267	.13	37	7.4	1.7	16	LOI	
		24	850	58.40	18	56.64	155	17.74	13.97		1.9		19	2	253	.15	30	3.3	1.2	20	LOI	
		24	852	3.55	18	51.73	155	17.59	13.33		1.6		18	1	270	.06	38	2.0	2.0	17	LOI	
		24	853	6.19	18	53.71	155	18.30	13.88	3.3	3.8		32	1	256	.12	34	1.7	1.5	33	LOI	
		24	855	9.19	18	51.14	155	17.11	11.97	2.2	1.8		20	2	272	.11	39	2.0	1.2	18	LOI	
		24	857	11.99	18	52.74	155	17.31	12.04	2.7	3.3		30	2	261	.11	36	1.6	1.1	28	LOI	
		24	9	0.15	18	56.40	155	18.37	13.46		2.2		23	2	247	.12	29	2.6	1.2	23	LOI	
		24	9	4 34.76	18	51.39	155	17.48	11.58	2.2	2.2		23	0	265	.11	38	3.0	1.5	23	LOI	
		24	9	5 41.23	18	59.13	155	17.47	13.53	2.0	2.0		22	2	244	.11	26	2.3	0.8	22	LOI	
		24	9	8 44.09	18	48.70	155	17.04	10.69	2.8	2.9		27	1	271	.12	43	2.2	1.4	27	LOI	
		24	915	20.97	18	56.44	155	16.54	13.34	2.4	2.6		24	2	256	.11	31	3.5	1.0	23	LOI	
		24	918	57.10	18	51.81	155	16.32	11.45	2.5	2.4		20	1	271	.10	39	2.9	1.7	19	LOI	
		24	922	0.02	18	53.25	155	18.68	15.60	2.9	3.4		31	2	256	.11	34	1.4	3.4	31	LOI	
		24	926	39.74	18	55.15	155	18.19	9.94	3.1	3.7		32	2	250	.14	32	1.4	0.7	32	LOI	
		24	929	17.05	18	55.44	155	18.13	9.77	2.5	2.6		24	1	249	.15	31	1.7	1.0	23	LOI	
		24	931	51.75	18	59.18	155	17.40	16.73		1.4		15	2	244	.13	27	2.0	14.3	15	LOI	*
		24	955	21.56	18	53.87	155	18.10	12.79	3.3	3.6	2.9	44	2	247	.09	34	1.3	0.9	42	LOI	
		24	10	9 9.57	18	52.01	155	17.77	12.10	2.2	1.9	1.8	30	5	269	.08	37	1.0	0.9	24	LOI	
		24	1051	3.58	18	47.89	155	16.06	9.85	2.6	2.2	2.1	32	5	283	.10	45	1.2	1.1	27	LOI	
		24	1217	1.35	18	50.90	155	18.08	12.16	2.5	2.1	1.9	30	5	273	.08	39	1.1	0.7	23	LOI	
		24	1514	15.44	18	51.81	155	17.59	13.13	2.2	1.6	1.8	23	0	263	.10	37	2.7	1.4	4	LOI	
		24	1553	11.61	18	43.80	155	16.61	8.60		1.4	1.7	21	0	310	.05	52	9.1	2.9	6	LOI	*
		24	17	4 54.51	18	50.63	155	17.35	16.97	2.2	2.1	2.0	28	0	263	.09	40	3.2	14.3	19	LOI	*
		24	1718	14.96	18	51.12	155	16.90	11.36		1.8	1.8	22	1	261	.08	39	2.8	1.2	8	LOI	
		24	1851	17.25	20	3.21	155	30.72	50.74		2.1	1.8	32	0	210	.09	27	3.0	3.6	23	KEA	
		24	19	6 11.01	18	49.50	155	16.10	10.68	2.5	2.7	2.3	33	1	266	.10	42	2.0	1.0	13	LOI	
		24	2356	38.27	18	50.65	155	16.69	11.50		1.4	1.7	31	5	263	.09	40	0.9	1.1	27	LOI	
		25	156	39.04	19	21.63	155	30.13	10.26	3.3	3.4	3.3	58	9	33	.12	5	0.3	0.5	49	KAO	
		25	532	51.05	18	45.94	155	16.25	7.71	2.7	2.8	2.5	40	7	287	.11	48	0.7	0.7	34	LOI	
		25	714	50.38	19	26.18	155	28.88	11.52	2.0	1.6	1.3	37	7	44	.11	7	0.4	0.6	32	KAO	
		25	1252	11.89	18	53.00	155	17.52	12.85	2.7	2.9	2.4	38	2	251	.10	36	1.8	1.3	29	LOI	
		25	1550	0.32	18	44.00	155	17.57	12.99		1.7	2.0	18	1	315	.06	51	6.6	10.0	10	LOI	*
		25	1621	29.59	18	47.09	155	15.36	7.65		1.7	1.7	14	1	284	.05	47	3.0	0.9	5	LOI	
		25	1713	14.01	19	19.39	155	11.55	8.84		1.2	1.4	25	3	98	.07	6	0.5	0.9	15	SF3	
		25	1940	31.45	19	15.17	155	25.94	9.53		1.2	1.2	18	3	84	.07	4	0.5	1.1	9	LSW	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JAN	25	2323	22.13	19	17.00	155	22.04	6.35	1.8	2.1	1.9	46	6	126	.15	6	0.4	0.7	43	SWR	
		26	1352	25.57	18	50.17	155	12.32	10.13	2.9	3.1	2.9	40	4	262	.12	45	0.8	1.3	38	LOI	
		26	16	3 29.35	19	46.84	155	59.88	11.52	2.7	2.0	2.3	38	2	273	.14	20	1.0	0.7	22	HUA	
		26	1617	33.40	19	24.56	155	30.77	10.19	1.7	1.6	1.5	28	2	47	.09	7	0.4	0.9	19	KAO	
		26	1654	58.98	19	23.28	154	59.46	5.54	2.1		1.6	15	1	181	.14	4	0.9	1.7	10	LER	
		27	143	15.62	19	22.16	155	33.95	7.69	2.5	2.7	2.3	36	6	60	.11	5	0.4	0.6	34	MLO	
		27	222	13.52	19	20.22	155	11.60	8.56	2.2	1.7	2.0	44	4	80	.12	5	0.4	0.5	34	SF3	
		27	1013	28.20	19	20.15	155	6.45	8.42	2.1	2.4	2.2	42	4	113	.09	6	0.4	0.6	30	SF4	
		28	1024	39.12	19	52.54	155	9.25	28.95	2.1	1.4	1.7	28	7	237	.10	20	0.9	1.3	21	KEA	
		28	1052	2.38	19	37.50	156	2.33	0.01	2.3	1.9	2.0	33	7	296	.13	20	1.8	0.6	28	KON	*
		28	11	5 3.75	19	19.85	155	11.40	7.09	1.5		1.6	35	5	88	.13	5	0.4	0.6	32	SF3	
		28	15	1 3.95	19	15.10	155	13.25	38.78		1.1	1.5	18	3	201	.09	4	2.0	0.8	15	DEP	
		28	1523	13.85	19	19.89	155	10.76	7.36	1.5	0.8	1.2	25	5	89	.09	4	0.4	0.7	21	SF3	
		29	154	16.57	19	19.26	155	8.84	8.22	2.0	1.9	2.0	51	10	87	.14	4	0.3	0.4	41	SF4	
		29	824	39.55	19	20.20	156	18.62	72.70		3.0	2.2	12	4	307	.11	44	2.5	1.3	8	KON	
		29	1134	16.50	19	16.99	155	13.11	7.48	1.8	1.5	1.7	31	2	157	.10	1	0.5	0.8	21	SF2	
		29	2219	51.43	19	20.00	155	11.00	7.11	1.5	1.2	1.6	43	10	87	.12	4	0.3	0.5	35	SF3	
		29	2256	57.81	19	19.81	155	11.09	8.35		1.4	1.6	19	0	90	.07	5	0.6	1.0	18	SF3	
		30	318	6.74	19	25.77	155	16.75	9.24	1.7	1.6	1.3	16	0	114	.10	2	0.7	1.6	2	INT	L
		30	1015	21.33	19	22.94	155	19.56	33.32	2.6	2.2	2.3	56	8	38	.13	1	0.5	0.9	39	DML	
		30	1118	4.79	19	8.60	155	42.35	5.82		1.1	1.8	25	8	143	.19	15	0.5	4.0	17	LSW	
		30	12	1 33.56	19	10.03	155	42.03	8.76		0.9	1.6	20	4	210	.24	12	1.0	1.9	16	LSW	
		30	1511	2.43	19	26.08	155	27.20	6.41	1.5	1.2	1.2	28	3	54	.09	4	0.3	1.0	19	KAO	
		30	2343	59.78	19	21.44	155	29.67	10.63	1.7	1.0	1.3	33	6	49	.12	4	0.4	0.5	28	KAO	
		31	2036	43.70	20	0.37	155	30.52	35.07	2.3	2.4	1.8	41	4	189	.11	22	1.0	1.4	30	KEA	
		31	22	3 0.14	19	52.60	155	33.25	25.70	3.4	3.9	3.3	56	7	126	.12	11	0.7	1.1	49	KEA	F
	FEB	1	041	24.31	19	20.29	155	11.70	7.97	2.1	1.9	1.8	46	6	79	.11	5	0.4	0.4	43	SF3	
		1	214	57.00	19	25.57	155	16.97	8.50	1.9	1.9	1.3	20	4	102	.09	1	0.6	0.7	17	INT	L
		1	1210	51.52	19	22.58	155	30.50	10.65		1.2	1.4	31	1	48	.12	5	0.4	0.7	16	KAO	
		1	1655	11.53	19	21.37	155	2.17	6.63	2.5	2.7	2.6	49	6	147	.13	3	0.4	0.5	35	SF5	
		1	20	0 10.94	19	19.80	155	7.99	8.32	2.0	2.0	1.8	44	4	91	.10	5	0.4	0.6	30	SF4	
		1	2227	38.62	19	48.45	155	52.03	14.39	2.6	2.4	2.0	32	4	253	.14	14	2.3	0.7	33	HUA	
		1	2251	41.99	19	50.12	156	45.26	7.08		2.2	1.7	25	7	319	.12	110	7.8	10.1	19	DIS	*
		2	221	45.11	19	25.23	155	15.09	7.51	1.6	1.5	1.2	18	2	157	.17	2	1.0	0.8	16	INT	L
		2	4	9 52.22	19	9.96	155	32.64	30.04	2.6	2.5	2.3	51	7	117	.14	8	0.6	0.8	46	DLS	
		2	532	6.63	20	55.06	156	1.88	30.79		2.7	2.2	28	0	330	.11	124	14.1	4.7	32	DIS	*
		2	1317	14.35	19	46.43	155	27.10	24.97		1.5	1.5	9	0	193	.07	17	3.0	4.3	6	KEA	
		2	1854	1.05	19	46.39	155	27.18	24.54		1.6	1.5	25	1	85	.10	1	0.7	1.2	17	KEA	
		2	2047	43.06	19	19.81	155	8.53	8.38	2.4	2.5	2.4	50	8	78	.10	5	0.4	0.5	30	SF4	
		3	147	2.97	19	39.28	155	57.32	35.64	2.6	2.1	2.0	49	6	245	.13	13	1.2	0.7	44	HUA	
		3	152	47.12	19	36.60	155	57.50	36.89	3.3	3.5	3.0	51	8	246	.11	14	0.9	0.5	49	KON	
		3	346	38.95	19	54.50	155	20.58	9.31	1.0	1.6	1.6	26	1	243	.11	2	1.3	0.4	28	KEA	
		3	4	9 2.41	19	24.40	155	17.12	13.38	2.0	1.4	1.3	14	3	72	.12	1	2.1	0.9	15	DEP	L
		3	615	59.14	19	24.52	155	15.65	1.75	2.2	2.3	2.0	18	4	98	.15	2	0.3	0.3	17	SEC	L
		3	827	49.17	19	30.56	155	27.23	4.72	2.4	1.9	1.6	32	5	90	.13	3	0.3	1.5	27	MLO	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	FEB	3	937	59.25	19	22.41	155	26.90	10.43	2.0	2.0	1.7	35	1	38	.11	1	0.4	0.6	26	KAO
		3	1921	0.41	19	19.98	155	8.00	9.41	3.5	3.7	3.8	48	2	88	.11	5	0.4	0.4	50	SF4
		3	2154	5.14	19	23.62	155	27.38	9.91	2.0	1.9	1.8	47	5	30	.12	2	0.3	0.6	42	KAO
		3	23 3	52.79	19	25.34	155	29.82	9.90	1.9	1.5	1.6	34	4	37	.09	6	0.4	0.7	31	KAO
		4	152	28.75	19	10.09	154	46.68	31.51		1.6	1.7	19	2	295	.08	34	2.8	2.9	16	DIS
		4	1328	48.15	19	22.30	155	29.78	10.25	2.0	1.8	1.7	37	2	44	.12	4	0.4	0.6	27	KAO
		4	1739	22.71	19	12.97	155	2.83	43.89	2.7	2.8	2.5	48	5	215	.11	12	1.2	1.2	45	DEP
		5	10 1	47.36	19	15.40	155	26.16	10.10			1.0	14	2	79	.07	4	0.5	1.3	8	LSW
		5	1534	29.21	19	8.27	155	36.23	2.61		1.4	1.1	17	2	120	.16	12	0.8	2.8	2	LSW
		5	18 3	7.77	19	36.79	155	41.29	7.47	2.0	1.6	1.4	17	0	144	.11	14	1.1	3.0	9	KEA
		5	2044	56.73	19	11.88	155	27.17	5.91	1.8	1.4	1.7	26	0	128	.13	5	0.6	1.9	16	LSW
		5	2158	18.51	19	29.66	155	26.86	6.19	1.8	1.6	1.3	34	7	89	.12	5	0.3	0.8	29	KAO
		5	2225	57.86	19	10.08	155	35.80	7.77	2.6	2.3	2.2	39	6	106	.18	9	0.4	0.9	36	LSW
		6	451	24.81	19	30.35	155	26.47	23.96	2.4	2.0	1.9	45	6	77	.10	4	0.4	0.5	42	DML
		6	5 9	3.63	19	26.89	155	18.40	7.53	1.1	1.3	1.3	19	5	132	.14	3	0.6	0.8	14	INT L
		6	1210	10.26	19	18.39	155	13.16	6.84	1.8	1.7	1.7	34	2	91	.11	3	0.4	0.9	26	SF2
		6	1342	20.12	19	19.29	155	13.21	9.28	2.9	3.2	3.2	46	4	124	.13	6	0.4	0.5	42	SF2
		6	14 0	2.62	19	18.28	155	13.22	7.98	1.8	1.5	1.7	30	2	91	.08	2	0.4	0.6	19	SF2
		6	14 8	48.91	19	18.25	155	13.39	5.82	1.4	1.3	1.4	25	1	85	.09	2	0.4	1.0	19	SF2
		6	1831	35.10	19	20.42	155	11.85	8.40	2.8	2.9	3.0	48	5	76	.14	5	0.4	0.6	38	SF3
		6	1939	3.02	19	19.61	155	8.36	7.57	1.6	1.2	1.4	23	2	84	.08	4	0.5	0.9	15	SF4
		7	1216	40.84	19	25.34	155	20.03	4.22	1.9	1.5	1.4	27	3	67	.13	3	0.4	0.9	25	KAO
		8	1156	30.10	19	55.23	155	20.77	10.06	1.6	1.6	1.7	25	6	271	.10	3	1.1	0.4	20	KEA
		8	14 2	34.04	18	55.40	155	29.13	39.84		1.7	1.3	24	0	270	.09	26	4.3	3.3	21	DLS
		8	1548	0.49	19	21.29	155	19.25	10.07	1.9	1.5	1.3	15	3	155	.27	4	1.5	2.7	2	SWR L
		8	1614	32.50	19	26.18	155	13.88	5.42	1.6	1.3	1.3	13	0	214	.08	3	1.1	0.9	1	GLN L
		8	1717	9.67	19	16.14	155	28.55	8.23		1.3	1.2	24	2	62	.13	3	0.4	0.9	10	LSW
		9	120	3.84	19	20.12	155	11.98	8.81	1.8	1.6	1.6	49	7	79	.13	5	0.4	0.3	46	SF3
		10	2024	18.55	19	26.42	155	29.04	10.08	1.6	1.3	1.2	38	7	43	.17	7	0.4	0.7	30	KAO
		10	2124	31.77	19	21.30	155	2.66	6.84	0.8	1.2	1.5	33	3	138	.14	3	0.6	0.7	32	SF5
		11	212	49.42	19	24.51	155	19.01	15.21	2.1	1.3	1.4	16	3	83	.10	2	1.0	0.9	16	DEP L
		11	533	23.71	19	25.52	155	19.90	5.59	2.0	1.5	1.4	34	11	56	.12	3	0.3	0.6	24	KAO
		11	624	47.63	19	22.23	155	2.14	9.77	1.1	1.3	1.5	32	4	144	.11	5	0.6	0.4	29	SF5
		11	1241	16.79	19	24.13	155	15.96	3.06	1.5	1.1	1.2	20	5	80	.08	1	0.3	0.2	16	SEC
		11	1744	42.84	19	47.22	155	49.02	17.37	2.6	2.7	2.3	31	5	173	.12	11	0.7	1.4	36	HUA
		11	2222	54.81	19	26.06	155	14.49	8.66	1.8	1.4	1.4	15	1	209	.12	3	1.2	1.0	16	INT L
		11	2312	27.66	19	53.04	155	33.51	20.54	2.3	2.0	2.1	45	3	128	.12	11	0.6	1.3	42	KEA
		12	057	3.58	19	19.76	155	7.47	7.31	0.9	1.4	1.5	39	6	103	.12	5	0.4	0.5	36	SF4
		12	1035	14.93	19	22.06	155	1.91	8.56	2.1	1.8	1.9	36	5	151	.12	4	0.6	0.4	38	SF5
		12	11 8	11.62	19	25.89	155	29.19	9.94	1.9	1.2	1.4	32	2	41	.10	7	0.4	0.7	31	KAO
		13	323	0.50	20	4.91	155	44.53	22.88	1.2	1.7	1.7	32	5	154	.13	6	1.0	1.1	29	KOH
		13	4 1	21.53	19	19.30	155	11.51	7.95	2.3	2.2	2.4	58	12	100	.14	5	0.3	0.4	48	SF3
		13	1433	7.50	19	19.15	155	9.73	7.14		1.2	1.5	40	8	102	.11	5	0.4	0.5	34	SF3
		14	018	22.22	19	51.87	155	33.20	21.08	2.4	2.1	2.0	49	5	120	.12	11	0.5	1.5	46	KEA
		14	5 4	30.45	19	19.54	155	10.73	6.73	1.5	1.2	1.4	43	7	97	.16	5	0.4	0.6	36	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	FEB	14	7 4	40.74	19	24.68	155	16.34	14.05	2.1	1.7	1.9	54	11	69	.12	1	0.5	0.2	43	DEP
		14	2240	55.51	19	18.31	155	14.41	5.46	1.4	1.2	1.3	26	4	91	.11	3	0.4	1.1	21	SF2
		15	4 8	1.93	19	58.70	155	28.26	35.02	2.3	1.9	1.8	50	7	187	.12	17	0.7	0.6	45	KEA
		15	4 9	31.95	20	3.08	155	20.44	8.90	2.5	2.4	2.4	44	4	218	.11	18	0.5	0.8	43	KEA
		15	746	16.67	19	21.94	155	2.29	7.97	1.9	1.4	1.6	43	5	143	.13	4	0.6	0.4	39	SF5
		15	1924	18.08	19	20.60	155	48.53	11.93	2.6	2.1	1.9	44	6	138	.13	11	0.5	0.3	40	KON
		15	1941	12.85	19	18.93	155	13.71	9.83	3.3	3.4	3.5	60	13	67	.12	4	0.3	0.2	51	SF2
		15	2256	9.92	19	21.83	155	2.61	8.78	2.2	2.0	2.1	49	7	135	.11	4	0.5	0.4	44	SF5
		16	021	32.75	19	18.96	155	13.62	8.36	1.8	1.7	1.6	37	4	70	.11	4	0.3	0.4	35	SF2
		16	1015	1.58	19	29.00	155	26.21	5.19	2.1	1.4	1.5	40	9	74	.14	5	0.3	1.0	33	KAO
		16	1814	7.57	19	23.92	155	15.90	3.05	1.9	1.5	1.4	27	9	62	.11	1	0.3	0.3	18	SEC
		17	6 9	37.70	19	22.64	155	18.48	13.33	2.8	3.1	2.0	31	7	54	.19	3	0.6	0.5	24	DEP L
		17	623	46.33	19	17.07	155	26.88	8.03	1.8		1.6	36	2	53	.11	7	0.3	0.6	36	LSW
		17	838	18.17	19	23.90	155	16.57	10.28	1.7	1.2	1.2	18	4	70	.13	1	1.0	0.8	14	INT L
		17	846	5.18	19	17.95	155	13.14	7.71	1.8	1.5	1.7	46	7	103	.12	2	0.4	0.4	40	SF2
		17	1440	43.84	19	19.83	155	6.90	8.27	1.9	1.7	1.8	40	6	114	.11	5	0.4	0.5	35	SF4
		17	1945	43.56	19	25.28	155	15.88	14.04	1.7	1.3	1.4	36	4	82	.09	2	0.5	0.6	32	DEP
		17	2023	47.91	19	20.75	155	18.87	29.16	2.4	2.1	2.1	54	7	49	.10	3	0.6	0.5	47	DEP
		18	338	1.51	19	17.29	155	28.02	9.96	1.8	1.7	1.6	35	5	50	.12	5	0.3	0.5	32	LSW
		18	529	50.06	19	22.96	155	33.27	5.91	2.5	2.6	1.9	26	1	46	.12	4	0.4	1.4	27	MLO
		18	1224	8.49	19	24.74	155	17.54	9.76	2.6	3.1	1.8	19	4	77	.12	1	0.9	0.6	11	INT L
		18	13 5	12.25	19	23.63	155	20.25	7.07	2.4	2.6	1.4	16	4	212	.11	6	0.8	1.4	9	KAO
		18	1823	53.76	19	25.71	155	53.41	17.41	2.2	1.5	1.6	20	3	164	.16	7	1.4	2.2	18	KON
		18	19 3	55.02	19	25.25	155	20.03	4.63	2.1	1.6	1.4	29	7	52	.13	3	0.3	0.9	23	KAO
		19	351	44.80	19	24.91	155	17.36	6.86	1.8	2.0	1.5	18	2	79	.09	1	0.5	0.7	18	INT L
		19	752	18.82	19	27.72	155	28.25	9.41	1.7	1.6	1.7	37	4	50	.11	7	0.3	0.6	21	KAO
		19	1223	53.27	19	22.94	155	17.58	3.78	2.4	3.0	1.6	13	0	80	.09	1	0.4	0.6	1	SSC L
		19	1239	30.47	19	24.15	155	18.32	6.60	2.1	2.1	1.4	23	4	55	.12	3	0.5	0.6	21	INT L
		19	2210	10.25	19	24.78	155	18.14	9.66	2.0	2.1	1.4	14	2	86	.14	1	0.9	1.3	9	INT L
		20	228	42.56	19	24.61	155	17.12	9.84	2.6	3.0	1.7	22	7	66	.18	1	1.1	0.9	15	INT L
		20	258	20.98	19	21.15	155	18.86	9.56	2.0	1.9	1.4	16	6	278	.11	5	1.0	1.2	9	SWR L
		20	4 8	15.89	19	20.54	155	2.33	6.44	2.0	2.0	2.0	44	5	166	.15	2	0.6	0.7	40	SF5
		20	735	46.75	19	18.89	155	13.48	6.18			2.0	46	4	73	.14	3	0.3	0.6	42	SF2
		20	735	48.66	19	18.34	155	13.30	4.58	2.2	2.4	2.2	52	7	87	.15	2	0.4	1.0	47	SSF
		20	910	27.39	19	26.33	155	15.50	11.76	2.0	2.2	1.5	16	3	183	.12	3	1.2	0.7	0	INT L
		20	10 3	25.31	19	21.44	155	2.20	5.51	1.7	1.3	1.6	28	4	152	.14	3	0.5	1.0	25	SF5
		20	1358	5.61	19	24.18	155	17.15	1.58	1.7	1.6	1.2	21	5	68	.15	1	0.4	0.3	16	SSC
		20	1822	21.70	19	20.32	155	17.92	32.17	2.8	3.0	2.9	61	14	68	.12	1	0.6	0.4	47	DEP
		20	1929	23.81	19	25.12	155	14.58	16.86	2.8	3.1	1.5	19	3	186	.12	1	1.5	0.7	17	DEP L
		20	1956	13.78	19	23.62	155	17.80	11.27	2.3	2.4	1.5	17	2	64	.12	2	0.8	0.8	19	INT L
		20	2224	2.20	19	24.63	155	16.01	10.06	2.4	2.6	1.6	20	2	99	.12	2	0.8	0.8	18	INT L
		20	2250	15.58	19	26.01	155	16.23	10.19	1.8	1.6	1.2	19	4	139	.12	2	0.9	0.6	16	INT L
		21	120	33.52	19	25.52	155	16.12	12.35	2.1	1.9	1.4	17	2	129	.08	2	0.9	0.5	16	INT L
		21	623	27.56	19	23.35	155	18.45	5.86	2.5	3.0	2.0	19	0	71	.13	2	0.5	1.0	20	INT L
		21	629	42.19	19	24.67	155	18.68	11.36	2.1	1.6	1.2	16	6	162	.11	2	1.1	0.6	8	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	FEB	21	646	12.26	19	24.08	155	16.00	3.30		1.1	1.2	18	3	78	.06	1	0.3	0.3	15	SEC
		21	11 8	2.96	19	25.15	155	16.48	11.40	1.9	1.4	1.4	12	4	107	.14	1	1.3	0.9	5	INT L
		21	1110	56.79	19	24.27	155	17.10	7.31	1.8	1.2	1.3	15	3	73	.12	1	0.9	1.0	8	INT L
		21	15 6	18.07	19	25.98	155	16.96	8.25	1.4	3.0	1.0	11	0	124	.11	2	1.0	1.7	1	INT L
		21	1539	19.09	19	18.97	154	54.56	39.97	2.4	1.8	1.9	42	2	241	.09	14	1.5	1.3	41	LER
		21	1628	9.92	19	11.60	155	19.25	48.48		1.9	1.5	19	2	211	.10	10	1.6	2.4	9	DEP L
		21	1941	26.20	19	2.88	155	22.99	39.62	2.1	1.8	1.8	40	2	213	.09	15	1.0	1.6	37	LOI
		21	1944	31.94	19	30.10	155	18.92	8.42	1.3	1.4	1.5	6	0	328	.08	9	12.4	5.4	0	GLN L*
		22	552	16.71	19	13.87	155	27.10	5.69		1.2		21	1	111	.13	8	0.6	1.7	21	LSW
		22	1022	7.60	19	25.38	155	29.37	9.31	1.6	1.4	1.4	21	0	114	.09	6	0.5	1.2	15	KAO
		22	13 8	23.76	19	24.37	155	24.98	8.52	1.4	1.3	1.2	28	1	35	.09	2	0.5	0.8	21	KAO
		22	1350	5.26	19	24.64	155	17.74	3.54	1.1	1.8	0.9	10	0	96	.11	1	0.8	0.6	1	SNC L
		22	14 1	36.59	19	17.87	155	15.26	4.25	2.3	1.7	1.8	10	2	318	.10	8	3.5	11.4	1	SSF L*
		22	1419	20.11	19	19.63	155	20.10	11.00	2.0	1.8	1.7	8	0	216	.07	6	2.5	4.4	1	SWR L
		22	1453	50.01	19	19.29	155	15.77	7.59	1.4	1.2	1.5	27	3	102	.08	3	0.4	0.8	18	SF1
		22	2120	6.41	19	26.28	155	16.71	12.59	1.9	1.4	1.2	17	5	125	.11	2	1.5	1.0	2	INT L
		22	2241	35.17	19	24.10	156	27.29	38.76		2.1	1.7	18	2	314	.13	57	3.0	4.2	17	DIS
		23	232	1.85	19	20.93	155	13.18	9.24	2.3	2.5	2.5	54	8	60	.12	3	0.4	0.3	50	SF2
		23	3 8	20.94	19	25.38	155	16.13	11.96	1.8	1.3	1.2	24	8	124	.10	2	0.9	0.4	16	INT L
		23	8 3	16.02	19	24.97	155	16.45	8.75	2.6	2.9	1.6	14	2	154	.13	1	1.7	0.9	2	INT L
		23	823	2.98	19	25.28	155	16.61	10.76	2.1	2.1	1.4	18	3	159	.05	1	0.9	0.6	1	INT L
		24	235	45.15	19	19.56	155	12.26	8.45	1.5	1.2	1.4	23	3	87	.08	5	0.5	0.9	20	SF3
		24	414	35.83	19	24.08	155	29.41	8.49	2.1	1.7	1.8	43	4	48	.13	4	0.3	0.5	43	KAO
		24	415	38.85	19	24.22	155	29.54	8.41	2.3	2.0	2.1	48	7	31	.13	5	0.3	0.5	43	KAO
		24	636	5.85	19	22.68	155	17.53	2.41	2.3	3.0	1.7	19	3	77	.14	2	0.3	0.5	17	SSC L
		24	652	30.39	19	24.17	155	16.98	14.95	2.7	2.5	1.9	21	1	74	.19	1	1.1	0.8	20	DEP L
		24	716	49.28	19	26.22	155	14.58	8.80	2.1	1.7	1.4	17	3	209	.12	3	1.0	0.7	15	INT L
		24	840	21.67	19	21.66	155	17.86	27.53	2.0	1.6	1.7	45	11	28	.13	3	0.6	0.5	34	DEP
		24	1112	0.08	19	25.43	155	16.08	14.88	1.7	1.8	1.3	9	1	177	.08	2	2.8	2.3	1	DEP L
		24	1153	33.37	19	11.69	155	27.16	4.63	1.8	1.4	1.6	20	0	130	.14	4	1.1	3.9	12	LSW
		24	1155	5.74	19	11.37	155	27.11	5.55	2.4	2.2	1.8	24	0	130	.14	4	0.7	1.9	10	LSW
		24	16 2	21.91	19	21.54	155	6.81	7.96	1.6	1.6	1.7	34	9	81	.12	4	0.4	0.4	27	SF4
		25	014	20.52	19	25.33	155	16.27	13.66	2.7		1.3	10	1	170	.07	2	1.5	1.8	2	DEP L
		25	018	32.66	19	23.74	155	15.98	2.89	1.8	1.6	1.4	13	4	97	.25	1	0.6	0.7	9	SEC L
		25	025	37.80	19	23.94	155	18.74	6.63	2.0	1.4	1.4	13	1	94	.15	2	0.9	1.5	13	INT L
		25	730	29.07	19	22.06	155	18.01	25.77	2.0	1.6	1.9	45	7	30	.09	3	0.6	0.4	39	DEP
		25	925	44.72	19	22.20	155	13.09	6.76		1.5	1.8	28	8	78	.13	1	0.6	0.4	22	SF2
		25	11 3	49.16	19	25.66	155	16.81	10.58	1.7	1.7	1.3	20	7	109	.11	1	1.1	0.8	13	INT L
		25	1617	39.32	19	26.66	155	15.93	13.29	2.6		1.9	10	2	206	.05	4	1.9	0.7	0	DEP L
		25	1620	49.65	19	26.68	155	16.27	8.84	2.1	1.7	1.7	17	6	156	.14	2	1.1	1.1	11	INT L
		25	1627	22.98	19	25.78	155	16.85	8.63	2.0	2.1	1.4	13	4	110	.10	2	1.1	1.6	9	INT L
		25	19 8	35.81	19	26.47	155	13.16	9.56	1.3	1.7	0.9	13	6	281	.08	7	1.2	0.6	8	GLN L
		25	2057	37.17	19	13.23	155	41.25	2.92	2.0	1.6	1.6	17	4	204	.11	8	0.6	1.0	15	LSW
		25	2246	22.36	19	20.10	155	11.20	8.57	1.5	1.5	1.5	31	6	84	.12	4	0.4	0.4	29	SF3
		26	344	18.11	19	22.59	155	19.07	13.98	2.7		1.5	17	4	147	.14	4	0.9	0.9	15	DML L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	FEB	26	4 7	14.73	19	24.67	155	15.79	14.55	2.2	1.4	1.5	18	3	104	.12	2	1.2	0.6	15	DEP L
		26	1145	44.57	19	26.40	155	30.13	10.39	2.9	2.9	3.1	55	10	34	.11	8	0.3	0.4	42	KAO
		26	1231	29.18	19	24.15	155	27.44	6.57	2.1	2.0	1.9	52	8	45	.12	3	0.3	0.5	45	KAO
		26	15 0	14.36	19	23.29	155	28.04	27.63	3.1	3.4	1.9	12	2	265	.04	2	1.7	1.1	0	DML L
		26	15 7	56.13	19	25.84	155	16.30	12.26	1.8	1.6	1.4	19	3	132	.13	2	1.0	1.6	3	INT L
		26	1551	51.99	19	24.76	155	18.11	11.84	1.9	1.6	1.3	13	4	179	.13	1	3.5	0.9	1	INT L
		26	1651	43.78	19	22.99	155	33.27	6.74	1.7	1.5	1.3	14	1	70	.11	4	0.5	1.6	11	MLO
		26	2023	9.43	19	29.02	156	7.69	39.98		1.9	1.8	36	2	271	.11	22	1.7	1.1	30	KON
		26	2238	23.18	19	21.32	155	6.32	7.78	1.9	1.9	1.8	40	4	89	.12	4	0.4	0.7	34	SF4
		26	2356	14.30	19	16.04	155	22.52	9.69	1.6	1.2	1.0	24	3	156	.10	4	0.5	0.7	22	SWR
		27	343	57.63	19	24.74	155	20.30	12.62	2.0	1.9	1.4	16	3	101	.20	2	1.5	1.2	13	KAO L
		27	350	50.41	19	25.53	155	15.67	13.04	1.9	1.6	1.2	20	4	145	.13	3	0.9	0.9	17	DEP L
		27	856	53.69	19	19.29	155	11.20	9.60	3.0	3.2	3.3	56	10	102	.11	6	0.3	0.3	51	SF3 F
		27	1227	5.68	19	21.44	155	17.83	15.87	2.8	3.3	1.6	18	5	136	.25	3	1.6	1.6	1	DEP L
		27	2045	51.31	19	25.83	155	16.87	11.32	2.6	3.1	1.1	12	2	126	.11	2	1.2	1.6	1	INT L
		27	2352	21.59	19	23.85	155	15.71	0.15	1.5		1.3	15	3	130	.11	2	0.2	0.4	14	SEC L
		27	2352	38.60	19	23.11	155	14.75	5.98	2.7	3.1	1.9	17	3	202	.14	2	0.7	1.0	17	INT L
		28	6 3	45.12	19	25.03	155	15.80	7.43	1.8	1.8	1.2	17	4	120	.11	2	0.8	0.5	16	INT L
		28	941	51.90	19	24.71	155	15.84	11.80	2.0	2.0	1.5	17	3	105	.14	2	1.1	0.6	15	INT L
		28	1128	24.35	19	22.02	155	20.86	8.72	1.6	1.7	1.2	12	3	157	.18	4	1.2	2.9	1	KAO L
		28	1353	52.38	19	14.66	155	34.50	8.46	2.3	2.2	2.1	34	3	108	.17	5	0.6	0.9	25	LSW
		28	1356	27.65	19	45.28	155	3.04	0.00	2.3	2.3		12	1	287	.28	28	7.3	2.0	16	HIL B*
		28	1528	0.67	19	25.31	155	19.00	8.47	2.6	3.0	1.6	15	3	131	.09	2	0.6	0.6	1	INT L
		28	1640	26.90	19	23.75	155	19.19	11.01	2.0	1.8	1.2	11	2	152	.11	1	1.4	1.1	1	KAO L
		28	1645	25.13	19	55.52	156	41.82	43.86		2.2	2.1	12	0	335	.13	95	15.8	4.9	8	DIS *
		28	1738	7.85	19	11.38	155	39.76	10.39	2.4	2.4	2.1	35	3	111	.17	8	0.5	0.8	15	LSW
		28	18 4	36.83	19	21.31	155	30.03	11.05	2.0	1.6	1.7	35	1	45	.11	5	0.4	0.7	25	KAO
		28	22 8	39.47	19	25.13	155	15.56	11.30	2.7	3.1	1.6	19	3	132	.18	2	1.3	0.7	17	INT L
	MAR	1	315	16.79	19	24.50	155	16.85	10.05	2.2	2.6	1.1	15	4	83	.10	1	0.9	0.5	16	INT L
		1	454	7.04	19	26.27	155	15.26	10.68	1.9	1.7	1.2	22	8	191	.15	3	1.0	0.7	15	INT L
		1	619	57.37	19	25.69	155	16.05	13.25	1.9		1.3	21	6	136	.17	2	1.3	0.6	16	DEP L
		1	620	8.15	19	25.74	155	16.77	7.38	2.5	2.9	1.7	19	4	112	.17	2	0.9	0.6	15	INT L
		1	848	50.43	19	25.05	155	15.34	6.24	1.8	1.8	1.2	17	3	135	.12	2	0.8	0.7	16	INT L
		1	910	38.78	20	0.99	155	22.28	8.33	2.5	2.0	2.0	41	3	207	.09	14	0.8	0.6	41	KEA
		1	1058	34.91	19	21.77	155	30.15	10.13	2.4		2.3	47	8	46	.11	5	0.3	0.5	43	KAO
		1	1134	29.85	19	23.84	155	16.42	14.57	2.8	3.0	1.3	18	4	70	.10	0	1.1	0.7	16	DEP L
		1	1215	30.29	19	58.01	155	35.00	13.31	2.4	1.5	1.7	26	4	156	.11	14	0.6	0.4	23	KOH
		1	1450	26.70	19	17.62	155	13.42	7.30	1.8	1.4	1.5	37	6	93	.11	1	0.4	0.6	32	SF2
		1	1919	55.62	19	25.00	155	16.64	6.03	2.6	3.0	1.1	8	0	98	.09	1	1.0	1.6	0	INT L
		2	345	59.88	19	22.43	155	13.99	3.27	1.5	1.3	1.5	23	7	85	.08	2	0.4	0.3	16	SEC
		2	516	53.98	19	23.36	155	17.36	13.83	2.9	3.4	1.9	19	4	60	.17	1	1.0	0.9	17	DEP L
		2	523	12.15	19	23.07	155	14.49	3.52	1.6	1.1	1.4	20	6	97	.10	3	0.3	0.3	14	SEC
		2	819	43.47	19	10.95	155	38.93	4.43	2.9	3.2	2.7	43	5	107	.17	8	0.6	1.9	38	LSW
		2	1343	19.66	19	24.19	155	15.84	2.24	1.9	1.5	1.8	8	2	128	.04	1	0.4	1.0	7	SEC
		2	1352	33.07	19	23.09	155	17.15	7.88	2.4	2.7	1.7	21	7	65	.11	1	0.6	0.8	14	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	2	1429	31.75	19	24.01	155	15.92	2.98	1.7	1.1	1.4	24	7	113	.09	1	0.3	0.3	12	SEC
		2	1925	14.61	19	17.41	155	16.53	11.88	2.9	3.2	1.7	8	4	263	.11	11	1.9	0.7	3	SF1 L
		3	149	21.41	19	24.96	155	15.26	0.41	1.9	2.1	1.7	14	2	164	.21	2	0.7	0.8	12	SNC L
		3	544	13.15	19	26.42	155	14.30	7.93	2.6	2.9	1.7	16	4	221	.13	3	1.0	0.6	12	INT L
		3	1243	20.88	19	23.92	155	19.26	10.74	2.2	2.4	1.6	15	3	80	.14	4	0.9	1.2	15	KAO L
		3	2117	31.01	19	25.78	155	13.63	6.39	2.6	3.0	1.9	17	4	226	.17	2	0.9	1.3	14	SF2 L
		4	136	38.64	19	24.30	155	16.04	12.96	2.0	1.2	1.2	16	3	100	.11	2	1.0	0.7	13	INT L
		4	136	52.86	19	24.11	155	16.67	7.47	2.6	3.0	1.9	17	3	75	.17	2	0.8	0.7	14	INT L
		4	240	52.00	19	55.37	156	24.35	32.17	3.2	3.5	2.9	50	5	287	.14	65	1.4	2.5	47	DIS
		4	440	53.52	19	18.13	155	20.54	8.11		1.2	1.3	25	5	120	.13	3	0.4	0.7	21	SWR
		4	957	21.30	19	20.15	155	12.27	8.69	1.9	2.1	2.1	47	8	76	.14	5	0.4	0.5	39	SF3
		4	1124	11.75	19	12.65	155	28.99	9.72		1.4	1.4	24	2	118	.12	5	0.6	1.0	22	LSW
		4	1345	45.78	19	24.67	155	16.13	6.61	2.4	3.0	1.8	16	2	98	.11	2	0.7	0.6	15	INT L
		4	1349	22.98	19	23.78	155	15.38	0.83	1.6	1.7	1.3	11	2	153	.14	2	0.3	0.6	10	SEC L
		4	18 9	28.03	19	25.22	155	19.20	5.97	2.1	1.9	1.5	25	5	44	.11	3	0.4	0.7	19	KAO L
		4	1817	47.43	21	37.24	160	10.47	6.44		4.8		32	10	349	.18	497	11.6	15.7	22	DIS *
		4	2133	25.84	19	24.82	155	15.77	4.00	2.0	2.3	1.3	17	3	111	.20	2	0.8	0.6	14	SNC L
		4	2220	25.71	20	10.43	155	31.72	16.21		1.5	1.8	17	3	248	.12	27	3.1	14.1	9	KEA *
		5	1 4	34.10	19	23.97	155	20.27	16.10	2.0	2.0	1.3	10	1	136	.09	1	1.5	1.7	0	DML L
		5	332	54.44	19	27.77	155	16.67	14.23	2.1	2.0	1.0	8	1	205	.09	0	1.7	1.0	2	DEP L
		5	352	52.63	19	23.75	155	15.37	3.38	1.0	1.1	1.1	20	7	84	.14	3	0.3	0.5	13	SEC
		5	519	42.87	19	29.82	155	29.44	4.41	2.6	2.3	2.0	57	13	41	.14	5	0.3	1.4	48	KAO
		5	615	1.09	19	21.55	155	4.81	7.43	1.7	1.9	1.8	46	6	84	.15	5	0.4	0.3	44	SF5
		5	7 6	17.33	19	21.49	155	11.63	10.25	2.8	3.0	1.4	8	1	194	.02	3	1.4	1.0	0	SF3 L
		5	716	12.78	19	24.49	155	13.28	11.05	2.5	2.3	1.3	9	2	274	.11	2	2.0	1.4	0	SF2 L
		5	1056	47.96	19	27.32	155	12.15	7.73	2.0	2.5	1.2	6	2	324	.05	6	2.9	1.9	0	GLN L
		5	1536	19.51	19	25.84	155	11.01	17.70	2.9	3.2	1.1	9	1	293	.07	10	2.7	1.0	0	DEP L
		5	1715	6.96	19	22.00	155	18.68	7.59	1.8	1.7	0.9	11	4	250	.11	4	0.9	1.5	2	SWR L
		5	21 3	13.45	19	24.56	155	17.83	9.27	2.6	3.0	1.8	14	0	58	.12	2	0.8	1.8	3	INT L
		6	4 1	46.50	19	24.15	155	17.28	9.60	2.5	3.2	1.6	16	2	60	.13	1	0.8	0.9	14	INT L
		6	624	57.76	19	20.83	155	5.88	8.24	1.6	1.9	1.8	27	2	102	.13	5	0.6	0.7	27	SF4
		6	1059	58.60	19	21.58	155	23.29	11.82	2.3	2.3	1.5	14	5	299	.15	12	2.8	3.5	3	SWR L
		6	1137	25.10	19	5.94	156	15.68	41.18	2.9	2.6	2.3	41	4	306	.11	45	1.2	1.5	30	KON
		6	1321	1.69	19	20.73	155	11.75	7.94	2.0	1.7	1.8	36	6	84	.13	4	0.4	0.6	31	SF3
		6	1617	24.49	19	24.26	155	16.91	10.54	2.6	3.2	1.1	20	5	77	.13	1	0.9	0.7	16	INT L
		6	1631	27.52	19	21.69	155	26.80	11.90	1.6	1.2	1.4	32	5	70	.11	2	0.5	0.7	27	KAO
		6	1638	49.03	19	24.78	155	16.78	9.76	2.2	2.5	1.4	16	2	91	.13	0	0.8	0.6	15	INT L
		6	1945	11.81	19	27.62	155	23.54	25.00	1.7	1.4	1.5	42	6	75	.11	4	0.4	0.5	36	DML
		7	130	31.85	19	24.30	155	17.72	8.77	2.0	2.0	1.4	17	2	58	.17	2	0.8	1.0	15	INT L
		7	358	8.13	19	25.11	155	15.34	8.17	2.5	2.9	1.5	19	4	139	.17	2	1.1	0.8	16	INT L
		7	826	27.57	19	24.09	155	15.70	2.06	1.9	1.9	1.4	17	2	79	.16	2	0.4	0.4	17	SEC L
		7	1144	36.27	19	22.29	155	19.10	10.19	2.2	2.3	1.5	8	2	156	.08	4	1.4	2.5	1	KAO L
		7	1513	17.74	19	25.47	155	14.35	8.70	2.6	3.0	1.7	12	3	200	.10	1	1.3	1.0	1	INT L
		8	120	4.62	19	24.37	155	15.11	13.12	2.7	2.9	1.8	19	3	89	.16	1	1.2	0.7	17	DEP L
		8	247	17.59	19	9.50	155	17.03	28.12	1.2	1.5	1.6	48	9	192	.11	15	0.8	0.6	39	LOI L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	8	320	19.79	19	30.51	155	27.02	5.04	2.4	2.3	1.8	45	11	59	.13	3	0.3	0.8	37	MLO
		8	1131	57.05	19	24.63	155	17.23	11.87	2.6	2.9	1.8	16	2	66	.12	1	1.0	0.8	15	INT L
		8	1338	5.21	19	18.15	155	13.67	6.73	1.9	1.7	1.8	44	5	89	.13	2	0.5	0.7	40	SF2
		8	1733	6.41	19	24.31	155	15.90	0.02	2.2	2.9	1.5	19	4	86	.28	1	0.4	0.7	16	SEC L*
		9	147	9.72	19	27.51	155	12.34	6.88	2.0	2.1	1.5	12	2	299	.12	6	1.5	3.5	1	GLN L
		9	452	58.48	19	18.63	155	13.92	6.40	1.2	1.2	1.3	26	2	97	.10	3	0.5	1.1	24	SF2
		9	1037	26.22	19	23.46	155	19.66	5.51	1.7	1.7	1.4	15	2	162	.12	0	0.7	1.1	1	KAO L
		9	1117	10.09	19	22.42	155	51.18	13.13	2.8	2.7	2.6	34	1	142	.11	12	0.7	0.3	28	KON
		9	1431	40.83	19	26.10	155	16.55	7.42	1.8	1.9	1.4	23	4	75	.21	2	0.9	0.8	2	INT L
		9	1624	39.63	19	21.81	155	27.37	10.97	1.9	1.6	1.6	32	2	87	.11	1	0.5	0.6	26	KAO L
		9	1856	11.22	19	24.76	155	16.38	5.33	2.4	3.0	1.4	16	0	70	.13	2	0.5	0.8	4	INT L
		10	113	35.41	19	18.53	155	13.07	7.48	1.8	1.5	1.6	40	7	92	.13	3	0.4	0.4	35	SF2
		10	328	45.80	19	25.04	155	16.34	6.86	2.0	2.1	1.8	16	1	106	.13	1	0.7	1.1	16	INT L
		10	411	36.41	19	24.32	155	29.67	8.83	1.9	1.7	1.3	43	6	50	.12	5	0.4	0.4	39	KAO
		10	1032	13.75	19	24.91	155	16.58	10.87	2.1	2.8	1.5	17	5	97	.14	1	1.3	0.6	14	INT L
		10	1527	20.43	19	27.41	155	19.37	14.34	2.1	2.4	1.6	40	7	83	.12	2	0.5	0.4	28	DML
		10	1838	40.10	19	24.66	155	16.82	8.38	1.9	2.0	1.2	13	3	87	.15	1	1.1	1.1	8	INT L
		10	1923	17.52	19	25.73	155	15.77	11.49	2.6	2.9	1.7	23	7	145	.09	3	0.8	0.6	17	INT L
		10	20 1	39.59	19	6.45	155	29.80	33.77	2.7	3.0	2.0	27	5	170	.12	16	1.0	1.3	25	DLS L
		11	022	4.49	19	12.48	155	27.18	8.27	1.8	1.4	1.7	25	0	148	.12	7	0.8	1.7	25	LSW
		11	140	0.29	19	20.03	155	11.71	6.91	2.0	2.1	1.8	40	3	82	.14	5	0.4	0.7	37	SF3
		11	624	26.84	19	21.98	155	4.92	8.12	2.4	2.6	2.5	46	9	75	.12	5	0.4	0.5	40	SF5
		11	941	2.47	19	22.07	155	0.89	8.76	2.7	2.8	2.9	50	8	163	.11	5	0.6	0.4	43	SF5
		11	10 2	47.10	19	25.04	155	17.20	12.48	2.6	3.5	1.2	17	3	87	.11	0	1.1	0.9	15	INT L
		11	1029	41.44	19	17.65	155	22.93	3.72	1.5	1.8	1.2	23	5	156	.09	5	0.5	1.1	18	SWR
		11	13 9	40.63	19	23.96	155	7.75	12.49	2.8	2.7	2.8	53	8	48	.10	1	0.5	0.3	46	SF4
		11	1910	55.93	19	29.50	155	27.38	5.45	1.8	1.6	1.2	42	13	85	.12	5	0.3	0.9	30	KAO
		11	2123	6.07	19	26.47	155	15.90	11.80	1.9	2.2	1.3	19	5	156	.12	3	1.3	0.8	2	INT L
		11	2354	33.13	19	22.02	155	5.45	7.91	2.1	2.2	2.0	44	5	76	.10	5	0.3	0.6	21	SF4
		11	2357	56.39	19	25.94	155	17.98	7.19	2.5	3.2	1.9	12	0	128	.10	1	0.7	1.6	3	INT L
		12	557	33.15	19	27.46	155	16.82	11.88	1.9	2.2	1.3	12	4	155	.12	1	1.7	1.2	2	INT L
		12	955	51.20	19	26.28	155	29.04	10.61	2.8	2.6	2.6	60	15	36	.11	7	0.3	0.4	39	KAO
		12	958	7.36	19	22.41	155	8.88	3.35	2.0	1.8	1.8	24	5	62	.09	2	0.3	0.4	10	SER
		12	1058	8.69	19	20.46	155	50.03	8.02	2.4	1.5	1.7	31	4	175	.12	9	0.5	0.8	14	KON
		12	1811	25.11	19	30.06	155	26.86	5.53	1.8	1.2	1.1	25	4	112	.10	4	0.3	1.3	14	MLO
		12	1854	29.92	19	25.38	155	48.08	10.98	2.7	2.4	2.0	33	5	98	.12	10	0.4	0.5	32	KON F
		12	2045	27.42	19	23.72	155	15.68	3.38	1.9	1.6		17	3	98	.09	2	0.4	0.5	14	SEC
		12	2221	14.44	19	24.40	155	16.94	7.39	2.5	3.0	1.7	18	2	60	.16	1	0.6	0.6	17	INT L
		12	23 5	55.72	19	22.23	155	11.86	4.09	2.2	2.4	1.8	45	11	55	.11	2	0.3	0.3	35	SER
		13	210	24.63	19	19.42	155	10.27	7.82	2.1	2.0	2.1	52	8	99	.12	5	0.4	0.4	46	SF3
		13	237	28.04	19	18.95	155	13.67	7.43	1.2	1.4	1.4	40	5	68	.12	4	0.4	0.4	35	SF2
		13	931	48.33	19	24.91	155	16.42	7.73	2.4	3.1	1.6	15	2	100	.15	1	0.8	1.3	13	INT L
		13	1642	55.92	19	20.68	155	0.94	8.54	2.6	2.7	2.8	42	2	191	.11	4	0.8	0.5	33	SF5
		13	1959	14.04	19	25.43	155	17.88	9.31	2.6	3.1	1.7	15	2	147	.13	0	0.9	0.8	1	INT L
		13	22 1	16.66	19	22.88	155	26.45	9.96	1.8	1.6	1.6	43	8	72	.11	2	0.3	0.4	35	KAO

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	14	039	54.81	18	59.60	155	28.59	40.57	2.2	1.9	1.7	30	7 228	.11	20	1.0	1.1	23		DLS
		14	653	37.11	19	22.84	155	2.31	7.24	1.5	1.4	1.7	38	6 126	.16	4	0.5	0.6	35		SF5
		14	1026	55.44	19	24.25	155	18.60	11.22	2.7	3.1	1.8	16	2 64	.10	2	0.7	1.0	15		INT L
		14	1035	26.75	19	24.79	155	15.99	8.87	2.2		1.6	20	4 105	.14	2	0.9	0.6	17		INT L
		14	1653	3.93	19	26.25	155	16.83	11.95	2.8	3.0	1.7	15	3 118	.11	2	1.2	0.8	2		INT L
		14	17 5	10.14	19	33.04	155	6.41	25.33	2.9	2.6	2.6	54	11 128	.10	7	0.5	1.0	39		HIL F
		14	1856	10.35	19	27.89	155	35.82	12.42	2.1		1.2	32	8 68	.16	1	0.4	0.5	25		MLO T
		14	1856	50.70	19	27.64	155	36.26	16.36	2.5		1.2	21	4 159	.17	1	1.1	0.7	19		DML T
		14	22 0	15.50	19	27.05	155	17.17	5.98	1.6	1.7	1.3	18	7 112	.17	2	0.9	0.9	6		INT L
		14	2356	10.80	19	16.32	155	27.32	9.30	2.7	3.3	2.9	51	8 129	.14	5	0.4	0.6	45		LSW
		15	4 0	30.13	19	22.40	155	19.24	9.63	2.8	3.1	2.0	25	3 63	.15	3	0.6	0.9	22		KAO L
		15	815	32.66	19	26.12	155	15.32	6.78	1.6	1.5	1.0	19	4 183	.13	3	1.0	0.7	15		INT L
		15	955	6.44	19	20.04	155	11.91	8.91	2.9	3.1	3.1	54	10 81	.12	5	0.4	0.3	48		SF3
		15	1057	23.55	19	26.02	155	18.85	8.10	2.0	2.0	1.5	10	2 146	.10	2	1.9	1.3	0		INT L
		15	1358	10.99	19	27.27	155	15.51	8.57	1.8	1.6	1.2	11	1 218	.12	2	1.3	1.4	1		INT L
		15	17 8	20.62	19	25.64	155	15.59	8.16	2.6	3.0	1.8	20	2 148	.09	3	0.8	0.6	19		INT L
		15	1937	18.87	19	24.14	155	27.99	6.90	1.8	1.5	1.5	36	2 37	.11	3	0.3	0.6	23		KAO
		15	2348	45.26	19	25.39	155	16.32	10.78	2.7	3.3	1.8	19	3 118	.10	2	0.9	0.6	17		INT L
		16	4 4	59.88	19	15.88	155	51.13	10.56	3.1	3.1	2.9	53	7 128	.13	2	0.6	0.4	46		KON
		16	7 7	46.87	19	24.56	155	16.43	9.10	2.1	2.8	1.4	17	2 90	.21	1	1.1	0.9	15		INT L
		16	849	29.56	19	19.57	155	9.93	7.50	1.2	1.7	1.6	44	8 93	.13	5	0.4	0.5	38		SF3
		16	1411	14.88	19	25.09	155	16.25	8.55	1.5	1.4	1.1	9	0 137	.10	2	0.9	2.4	0		INT L
		16	1547	40.99	19	27.20	155	15.94	11.66	2.6	2.8	1.2	13	3 232	.13	4	1.7	0.9	1		INT L
		16	1947	12.62	19	24.06	155	15.76	2.10	1.3	1.4	1.1	14	5 117	.09	1	0.3	0.6	8		SEC
		16	2133	54.65	19	25.27	155	16.61	8.47	1.4	1.4	1.0	18	2 106	.11	1	0.6	1.0	16		INT L
		16	22 7	9.79	19	25.21	155	16.33	11.88	2.7	3.1	1.9	17	3 112	.14	1	1.1	0.6	16		INT L
		16	2211	50.65	19	28.98	155	27.18	7.95	1.9		1.3	48	13 41	.14	6	0.3	0.9	38		KAO
		17	0 3	0.52	19	21.10	155	30.13	10.07	2.3	2.0	2.0	27	0 48	.12	5	0.4	0.9	29		KAO
		17	953	12.14	19	20.12	155	7.77	7.64	1.6	1.7	1.8	38	3 92	.10	5	0.5	0.6	24		SF4
		17	1213	39.54	19	28.71	155	14.21	1.07	1.9	1.9	1.3	8	2 303	.07	5	1.0	0.7	0		GLN L*
		17	1445	58.34	19	22.91	155	15.12	10.96	2.8	2.7	1.3	15	3 192	.11	2	1.5	0.9	2		INT L
		17	2134	34.65	19	24.08	155	16.41	11.17	2.5	2.6	1.2	18	2 75	.14	0	1.0	0.9	16		INT L
		18	4 4	22.21	19	24.93	155	16.80	12.19	2.6	3.1	1.9	19	4 147	.13	0	1.1	0.6	17		INT L
		18	414	42.69	19	24.72	155	16.65	4.12	1.5	2.1	1.3	14	0 91	.13	1	0.5	0.6	15		SNC L
		18	832	18.24	19	26.36	155	13.85	7.16	2.6	2.8	1.8	16	2 231	.15	3	1.1	0.9	15		GLN L
		18	1347	30.42	19	23.94	155	16.93	13.75	2.6	2.4	1.7	23	5 70	.14	1	1.0	0.7	18		DEP L
		18	1730	22.48	19	22.01	155	18.05	6.93	2.2	2.3	1.1	16	3 168	.14	3	0.8	1.5	15		SWR L
		18	1850	7.84	19	17.84	155	27.83	9.88		1.5	1.4	39	4 47	.16	7	0.4	0.6	36		LSW
		18	1859	54.07	19	19.83	155	10.28	8.01	1.8	2.1		31	0 89	.11	4	0.4	0.6	33		SF3
		18	2233	42.94	19	21.71	155	19.03	0.82	2.5	3.1	1.0	10	2 246	.23	4	1.3	0.9	2		SWR L
		18	2237	40.72	19	25.24	155	16.79	9.80	1.8	1.8	1.4	18	4 101	.15	1	0.8	0.9	2		INT L
		19	625	4.89	19	28.08	155	16.77	12.00	2.6	3.0	1.6	15	5 244	.06	1	1.3	0.6	3		GLN L
		19	1040	52.95	19	24.54	155	19.96	7.47	2.1	2.5	1.5	11	3 240	.12	2	2.4	2.0	1		KAO L
		19	14 6	57.30	19	15.57	155	22.96	6.35	2.3	2.8	2.1	37	4 153	.13	3	0.4	0.9	33		SWR
		19	1412	48.72	19	15.57	155	22.85	6.70	2.3	2.9	2.2	40	3 153	.14	3	0.4	0.9	35		SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	19	1419	34.35	19	15.15	155	22.77	6.11		1.3	1.1	18	2 182	.09	3	0.5	1.4	14		SWR
		19	1439	48.49	19	15.52	155	22.91	4.49		1.6	1.3	20	2 160	.09	3	0.5	1.6	14		SWR
		19	1441	19.61	19	15.39	155	22.80	4.54	1.6	1.6	1.2	18	1 164	.09	3	0.6	1.5	14		SWR
		19	1555	37.14	19	15.33	155	22.82	5.55		1.3	1.1	20	2 164	.10	3	0.5	1.5	17		SWR
		19	18 8	47.28	19	23.88	155	18.26	9.02	2.5	3.2	1.8	17	3 66	.12	2	0.7	1.0	16		INT L
		19	1812	9.25	19	25.44	155	16.05	9.88	1.9	1.6	1.6	15	5 129	.10	2	1.3	0.7	10		INT L
		19	1815	54.36	19	24.79	155	16.36	10.58	1.9	1.6	1.3	17	3 98	.10	1	1.0	0.6	15		INT L
		19	1825	28.13	19	26.11	155	15.95	10.63	1.7	1.6	1.2	14	5 155	.08	3	1.1	0.8	1		INT L
		19	1846	52.74	19	21.51	155	15.08	2.82	2.2	2.0	1.6	31	5 63	.11	2	0.3	0.3	20		KOA
		19	2021	55.45	19	21.52	155	6.08	8.25	1.6	1.9	1.8	41	6 85	.11	4	0.5	0.4	25		SF4
		19	2056	17.79	19	25.42	155	16.54	11.77	2.7	3.0	1.8	18	3 112	.12	1	1.1	0.5	16		INT L
		19	21 8	53.54	19	55.32	155	51.08	21.55	2.8	2.7	2.4	37	2 264	.15	21	1.5	2.4	36		KOH
		20	1 4	9.76	19	23.19	155	12.95	5.83	1.7	1.5	1.3	9	4 296	.11	4	1.5	2.9	1		SF2 L
		20	428	18.28	19	24.70	155	15.69	7.57	2.4	2.6	1.2	13	1 106	.14	2	0.8	1.8	1		INT L
		20	438	43.06	19	15.16	155	29.21	9.04		1.3	1.6	23	2 98	.10	2	0.4	0.7	11		LSW
		20	1137	11.05	19	24.98	155	17.16	10.95	2.1	2.5	1.0	14	3 87	.06	0	0.9	1.1	0		INT L
		20	1339	52.86	19	20.99	155	23.93	11.05	2.0	1.6	1.6	32	3 39	.10	2	0.4	0.6	22		SWR
		20	1541	21.44	19	25.33	155	20.46	11.45	2.6		1.1	15	4 167	.17	5	1.6	1.0	2		KAO L
		20	1548	50.30	19	21.12	155	13.01	8.89	2.2	2.3	2.2	38	3 69	.11	3	0.4	0.5	32		SF2
		20	1815	55.54	19	20.31	155	17.19	8.37	2.8	3.2	1.3	11	3 267	.09	4	1.1	2.2	1		SWR L
		20	2146	8.17	19	23.17	155	18.67	18.53	2.2	2.1	1.3	12	2 193	.16	2	3.3	2.2	1		DEP L
		20	2147	13.53	19	21.65	155	30.36	9.88	2.5	2.7	2.4	56	9 46	.10	5	0.3	0.4	46		KAO
		21	158	12.11	19	23.13	155	18.38	9.82	2.3	2.5	1.5	24	5 56	.14	3	0.6	0.8	20		INT L
		21	250	40.04	19	22.21	155	2.43	7.62	2.0	1.4	1.8	45	6 129	.14	4	0.5	0.4	41		SF5
		21	439	35.19	19	24.59	155	16.60	6.99	1.8	1.5	1.2	18	3 88	.14	1	0.8	0.5	16		INT L
		21	819	26.15	19	24.47	155	17.27	8.38	2.5	3.0	1.8	18	2 55	.11	1	0.7	1.1	17		INT L
		21	859	39.98	19	26.13	155	15.74	10.96	1.9	1.6	1.0	16	3 165	.10	3	1.2	0.7	14		INT L
		21	1359	16.42	19	27.76	155	19.12	13.21	2.3	1.9	1.7	11	5 334	.17	5	4.7	1.1	2		DML L
		21	1650	40.50	19	29.58	155	33.86	14.60	2.6	1.7	1.9	37	8 47	.09	3	0.3	0.3	24		DML
		21	17 1	17.30	19	24.34	155	16.79	1.76	1.4	1.6	1.3	10	4 117	.17	2	0.8	0.8	1		SSC L
		21	2132	35.67	19	25.23	155	15.37	5.02	2.4	3.0	1.8	17	2 144	.17	2	0.7	0.7	16		INT L
		22	640	17.02	19	19.82	155	11.24	7.70	2.1	2.1	2.3	52	8 89	.12	5	0.4	0.4	46		SF3
		22	733	25.83	19	24.84	155	16.27	8.71	2.7	3.0	1.9	17	2 101	.10	1	0.8	0.6	15		INT L
		22	1155	33.22	19	18.00	155	15.85	10.37	3.0	3.0	3.0	53	8 140	.13	5	0.4	0.3	48		SF1
		22	14 1	1.64	19	24.90	155	19.80	7.52	2.6	2.5	2.1	44	9 37	.11	2	0.3	0.5	29		KAO
		22	1449	51.07	19	23.81	155	16.86	6.49	2.4	3.0	1.9	18	2 67	.16	0	0.7	0.9	16		INT L
		22	17 9	3.86	19	25.41	155	19.37	7.46	1.9	1.2	1.2	27	6 75	.09	3	0.4	0.6	20		KAO
		22	1733	47.92	19	16.96	155	15.44	7.82	1.5	1.4	1.4	27	2 175	.11	3	0.6	0.8	15		SF1
		22	1748	3.60	19	25.11	155	16.10	11.49	1.8	1.8	1.0	18	4 115	.11	2	1.0	0.6	13		INT L
		22	2254	24.92	19	25.58	155	17.99	11.71	2.7	2.9	1.7	21	5 78	.20	1	1.2	0.7	16		INT L
		23	743	28.75	19	24.60	155	16.00	9.23	2.7	2.7	1.8	18	3 98	.17	2	1.1	0.6	15		INT L
		23	827	33.25	19	17.16	155	22.93	8.54	1.5	1.4	1.3	33	7 110	.11	6	0.4	0.7	25		SWR
		23	851	24.26	19	21.52	155	1.08	5.75	2.4	2.5	2.3	50	9 170	.14	4	0.4	0.5	42		SF5
		23	1233	1.96	19	24.23	155	17.38	14.16	2.8	3.1	1.9	26	10 58	.11	1	0.8	0.5	16		DEP L
		23	1823	32.49	19	28.86	155	15.93	10.22	2.3	2.6	1.2	12	1 261	.12	2	2.0	2.2	1		GLN L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	23	2113	13.87	19	25.64	155	19.27	8.14	1.9	1.2	1.2	34	11	50	.12	3	0.3	0.5	24	KAO
		24	057	29.21	19	24.55	155	17.07	10.20	2.6	2.7	1.8	20	4	77	.13	1	0.8	0.7	16	INT L
		24	627	18.56	19	26.16	155	14.96	0.13	2.4	2.8	2.1	21	4	198	.13	3	0.3	0.6	17	SNC L
		24	1013	54.66	19	25.81	155	19.56	6.85	2.4	1.2	1.5	25	3	84	.11	4	0.4	0.9	22	KAO
		24	13 2	32.39	19	25.23	155	16.30	13.81	2.8	3.8	1.5	10	2	166	.06	1	1.7	2.5	0	DEP L
		24	23 1	56.47	19	25.62	155	17.25	8.46	2.6	3.0	1.9	16	5	94	.13	1	0.8	0.5	15	INT L
		25	150	31.27	19	25.63	155	12.53	13.88	1.4	1.6	1.1	12	4	286	.09	4	1.5	0.7	8	DEP L
		25	625	0.69	19	25.77	155	15.22	10.70	2.7	3.2	2.0	18	6	176	.13	3	1.1	0.7	12	INT L
		25	1427	11.37	19	23.62	155	15.49	12.62	2.5	2.6	1.8	14	4	85	.16	2	1.4	0.7	11	INT L
		25	20 9	37.12	19	25.26	155	16.80	10.36	2.5	2.4	1.8	18	5	101	.10	1	0.7	0.6	13	INT L
		25	2025	31.43	19	23.88	155	17.44	9.93	2.7	2.8	1.8	20	8	83	.12	1	0.7	0.8	13	INT L
		25	2229	8.92	19	26.13	155	18.32	6.05	2.4	2.9	1.9	21	8	163	.16	2	0.8	0.8	14	INT L
		26	447	39.10	19	25.14	155	15.60	10.93	2.7	3.1	1.5	13	2	131	.10	2	1.2	1.7	0	INT L
		26	1242	23.03	19	23.78	155	18.00	8.49	2.6	2.7	1.5	10	3	112	.13	2	0.9	1.6	0	INT L
		26	1556	7.71	19	24.00	155	17.49	8.64	1.8	1.9	1.3	9	0	102	.08	1	1.2	2.2	0	INT L
		26	1830	31.56	19	20.87	155	6.15	7.43	1.6	1.4	1.7	37	1	99	.12	5	0.5	0.6	21	SF4
		26	2016	18.24	19	20.44	155	4.04	6.71	1.7	1.6	1.6	22	1	114	.09	2	0.5	1.0	20	SF5
		26	2038	34.32	19	24.00	155	15.71	6.18	2.6	2.9	1.3	8	2	170	.04	2	1.1	1.6	2	INT L
		26	2159	56.42	19	25.33	155	15.76	9.86	1.8	1.7	1.1	17	6	134	.10	2	1.2	0.6	13	INT L
		26	2216	16.36	19	21.19	155	13.36	8.43	2.3	2.3	2.4	54	7	56	.13	3	0.3	0.3	51	SF2
		27	019	20.17	19	26.54	155	17.79	13.07	2.2	2.2	1.5	14	3	108	.13	2	1.5	0.9	10	DEP L
		27	620	24.64	19	28.02	155	16.70	9.53	2.5	2.9	1.8	23	10	214	.12	0	0.7	0.7	14	INT L
		27	1032	10.50	19	28.45	155	27.08	6.50	2.9	2.6	2.4	52	8	55	.14	7	0.3	0.9	35	KAO
		27	1219	57.04	19	26.61	155	16.07	7.14	2.6	3.1	1.2	12	1	165	.14	2	0.9	1.5	1	INT L
		27	1840	19.76	19	19.29	155	13.58	7.73	1.4	1.5	1.5	35	2	67	.13	4	0.5	0.9	25	SF2 L
		27	2019	34.24	19	25.44	155	16.42	11.83	2.7	2.9	1.5	17	5	116	.06	1	1.0	0.7	5	INT L
		28	1 8	48.50	19	25.26	155	16.60	12.00	2.1	2.4	1.2	21	5	106	.10	1	0.9	0.4	16	INT L
		28	5 5	0.18	19	25.46	155	17.33	15.27	2.0	1.6	1.2	19	4	91	.12	0	1.1	0.6	16	DEP L
		28	519	5.30	19	20.31	155	11.74	7.66	1.7	1.5	1.5	39	5	78	.13	5	0.4	0.5	34	SF3
		28	759	36.32	19	21.66	155	13.72	1.55	1.5	1.4	1.4	20	4	55	.05	2	0.4	0.5	16	SER
		28	856	32.05	19	24.48	155	17.75	7.31	2.5	2.9	1.8	17	2	56	.13	2	0.7	0.8	16	INT L
		28	9 6	15.23	19	24.07	155	16.74	11.53	2.0	2.2	1.4	16	2	91	.11	0	1.0	0.8	15	INT L
		28	951	24.39	19	20.20	155	11.11	8.73	1.8	1.9	1.9	49	8	82	.12	4	0.4	0.5	42	SF3
		28	1236	56.79	19	26.36	155	16.80	11.07	2.8	3.3	1.9	40	7	68	.12	2	0.5	0.4	32	INT L
		28	1544	1.49	19	20.51	155	3.60	6.98	2.2	2.0	2.1	41	4	100	.12	2	0.5	0.7	27	SF5 L
		28	1620	3.77	19	20.88	155	2.92	6.91	2.0	1.9	2.0	37	1	122	.11	2	0.4	0.5	23	SF5
		28	1954	30.87	19	25.84	155	15.96	11.36	2.7	3.1	1.1	16	3	145	.14	3	1.5	1.1	2	INT L
		28	2044	12.41	19	19.57	155	12.39	6.56	1.4	1.2	1.5	28	2	85	.10	5	0.4	1.0	21	SF2
		28	2053	43.25	19	19.39	155	13.31	9.03	1.4	1.2	1.4	24	2	73	.09	4	0.5	0.9	18	SF2
		28	2239	20.11	19	19.48	155	8.64	7.38	1.9	2.1	1.7	46	7	79	.14	4	0.4	0.5	39	SF4
		29	010	22.00	19	25.04	155	16.17	11.90	2.1	2.3	1.6	19	3	110	.14	1	1.1	0.6	17	INT L
		29	658	5.64	19	25.45	155	16.04	9.01	2.7	3.0	1.9	22	6	129	.12	2	0.8	0.5	16	INT L
		29	741	57.34	19	25.01	155	17.26	9.34	2.6	3.1	2.0	20	4	85	.11	0	0.7	0.6	17	INT L
		29	1149	31.92	19	25.00	155	15.55	7.56	2.6	3.1	1.9	23	5	126	.14	2	0.8	0.6	19	INT L
		29	1311	19.01	19	43.55	155	1.68	0.00	2.6	2.8	2.1	35	1	203	.27	25	1.3	2.0	38	HIL B*

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAR	29	1938	34.97	19	18.50	155	15.03	8.29	1.4	1.2	1.4	30	2	109	.09	4	0.4	0.7	21	SF1
		29	2112	46.61	19	24.78	155	17.12	11.69	2.7	3.2	1.8	26	7	50	.15	0	0.8	0.6	19	INT L
		30	3 6	40.12	19	26.02	155	15.78	10.13	2.4	2.3	1.7	21	4	159	.11	3	1.0	0.5	17	INT L
		30	1017	54.94	19	23.82	155	19.11	9.34	2.8	2.1	1.9	17	7	183	.11	4	1.5	0.6	11	KAO L
		30	12 4	48.25	19	17.22	155	30.15	10.12		1.4	1.7	35	4	48	.13	4	0.4	0.7	32	LSW
		30	1415	8.58	20	3.10	155	8.86	4.06		1.4	1.5	10	2	302	.15	27	1.9	2.6	5	KEA
		30	15 2	44.97	19	19.51	155	11.50	6.75	1.2	1.5	1.8	33	4	95	.10	6	0.4	0.8	21	SF3
		30	1617	24.35	19	25.17	155	16.09	11.10	2.8	3.2	1.4	15	2	118	.12	2	0.8	1.2	3	INT L
		30	1641	29.01	19	19.88	155	0.39	4.79	2.2	2.7	2.7	39	0	209	.13	4	0.9	1.5	22	SSF
		30	1745	7.69	19	28.55	155	26.87	6.23	1.8	1.6	1.6	51	11	41	.12	7	0.2	0.7	42	KAO
		30	20 4	6.40	19	23.21	155	20.18	4.99	0.9	1.2	1.1	10	2	215	.08	1	1.0	1.0	0	KAO L
		30	2226	59.86	19	21.60	155	4.82	6.38	1.1	1.2	1.6	24	0	82	.13	5	0.6	1.3	16	SF5
		31	5 5	14.28	19	26.66	155	15.75	24.98	2.5	3.3	1.7	10	0	166	.07	3	2.7	7.5	0	DEP L
		31	8 5	17.43	18	52.21	155	15.68	12.01	3.8	4.3	4.2	49	1	254	.10	39	1.6	1.2	48	LOI
		31	1610	1.27	19	22.42	155	14.62	5.20	2.4	3.1	1.7	11	4	176	.15	2	1.6	1.4	1	INT L
		31	1732	18.82	19	25.00	155	19.42	6.21	2.4	2.1	1.6	38	8	38	.12	2	0.3	0.6	31	KAO
		31	1738	34.33	19	25.06	155	19.23	6.35	2.7	2.7	2.2	44	8	37	.12	3	0.3	0.5	36	KAO
		31	1818	52.48	19	25.07	155	19.40	6.60	2.1	1.7	1.4	32	8	68	.10	3	0.4	0.6	24	KAO
		31	1955	54.13	19	26.06	155	17.35	8.23	2.6	3.2	1.8	23	9	95	.11	1	0.8	0.6	13	INT L
		31	2018	29.48	19	17.40	155	12.90	7.61	1.8	1.4	1.5	27	7	146	.10	1	0.5	0.7	20	SF2 L
APR		1	2 7	35.70	19	27.55	155	15.76	4.12	2.2	2.3	1.6	17	5	225	.12	2	0.7	1.0	12	SNC L
		1	553	6.16	19	23.20	155	17.41	14.75	2.8	3.1	1.9	19	6	60	.12	1	1.0	0.7	15	DEP L
		1	930	33.90	19	25.06	155	17.25	14.37	2.7	3.3	1.7	18	7	86	.12	1	1.3	0.8	14	DEP L
		1	11 7	17.17	19	18.83	155	13.43	7.62	1.9	1.8	1.7	34	5	77	.13	3	0.5	0.7	31	SF2
		1	1351	23.94	19	25.87	155	16.84	11.71	2.5	2.8	1.9	15	5	112	.13	2	1.2	0.6	11	INT L
		1	16 8	59.40	19	20.71	155	12.94	9.02	1.4	1.5	1.5	22	2	66	.07	4	0.6	1.0	23	SF2
		1	1859	4.44	19	24.91	155	16.44	9.22	2.1	2.0	1.5	16	3	100	.13	1	0.8	0.9	12	INT L
		1	2131	25.12	19	25.09	155	16.88	10.92	1.9	1.9	1.3	18	5	95	.08	0	0.6	0.7	12	INT L
		2	044	8.75	19	25.27	155	16.23	12.67	2.7	2.8	1.5	18	6	117	.11	2	0.9	0.7	12	INT L
		2	221	3.90	19	19.17	155	11.55	5.45	1.5	1.1	1.5	26	6	103	.10	5	0.4	1.2	24	SF3
		2	819	48.94	19	24.32	155	10.10	17.51	2.4	2.0	1.5	12	4	299	.14	7	2.2	2.5	0	DEP
		2	1021	51.18	19	24.75	155	16.72	10.18	2.6	3.3	1.0	13	1	91	.11	1	0.8	1.0	1	INT L
		2	1216	36.20	19	24.14	155	16.33	10.45	2.6	2.9	1.7	11	2	114	.10	2	1.8	1.0	1	INT L
		2	1854	37.60	19	25.68	155	20.86	7.08	2.5	3.0	1.4	11	2	304	.10	4	2.1	1.4	1	KAO L
		2	2023	0.50	19	21.54	155	30.42	10.07	2.0	1.6	1.5	34	2	47	.12	5	0.4	0.6	22	KAO
		3	027	36.98	19	22.19	155	17.65	30.76	2.4	2.3	2.2	59	14	31	.11	3	0.6	0.4	46	DEP
		3	154	8.35	19	23.09	155	17.32	12.63	2.4	2.6	1.6	20	5	65	.15	1	0.9	1.0	16	INT L
		3	854	13.61	19	25.32	155	16.43	12.11	2.8	3.5	1.8	27	5	72	.14	1	0.8	0.5	24	INT L
		3	1052	18.36	19	24.55	155	15.65	11.14	2.9	3.4	2.0	22	5	79	.10	2	0.7	0.5	19	INT L
		3	1450	24.59	19	19.69	155	11.55	8.39	1.8	1.5	1.8	30	1	91	.09	5	0.5	0.9	23	SF3
		3	2127	10.17	19	11.46	155	27.22	9.31	2.1	1.8	1.8	46	9	126	.14	4	0.4	0.5	37	LSW
		3	2342	17.84	19	25.14	155	15.64	15.65	2.6	3.0	1.8	19	2	85	.12	2	1.0	0.5	20	DEP L
		4	145	36.15	19	17.77	155	12.88	9.68	2.0	1.9	1.9	51	7	122	.12	2	0.4	0.3	45	SF2
		4	657	23.55	19	25.62	155	15.96	12.55	2.8	3.2	1.9	21	4	92	.18	2	0.9	0.7	18	INT L
		4	725	20.76	19	19.97	155	11.78	7.79	1.9	1.8	1.9	50	7	84	.14	5	0.4	0.5	44	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	4	9 9	57.37	18	59.56	155	17.15	22.42	4.5	4.6	4.8	60	11	256	.14	26	0.8	2.2	53	LOI F
		4	955	53.80	19	24.81	155	15.81	8.35	2.4	2.6	1.9	15	1	110	.12	2	0.9	1.3	16	INT L
		4	1058	51.59	19	21.09	155	6.93	6.17	1.6	1.4	1.6	31	5	88	.13	4	0.5	0.9	27	SF4
		4	1311	33.66	19	20.96	155	12.04	8.85	2.2	2.1	2.3	46	9	66	.12	4	0.4	0.5	38	SF3
		4	2116	14.01	19	24.86	155	15.67	7.80	2.4	2.8	1.4	21	5	115	.15	2	0.9	0.6	16	INT L
		4	2148	5.14	19	15.30	155	28.50	9.40		1.2	1.5	38	6	88	.13	3	0.3	0.5	38	LSW
		5	233	3.64	19	19.32	155	10.96	6.88	1.5	1.4	1.5	50	11	102	.17	5	0.4	0.6	41	SF3
		5	359	59.54	19	24.45	155	16.78	9.14	1.8	1.7	1.2	17	2	83	.08	1	0.7	0.7	15	INT L
		5	435	37.52	19	23.87	155	30.21	9.21	1.6	1.2	1.4	42	3	34	.13	5	0.4	0.5	40	KAO
		5	539	28.95	19	29.48	155	51.92	11.36	2.9	3.2	2.8	40	7	185	.14	11	0.7	0.3	34	KON F
		5	635	11.10	19	28.70	155	51.26	9.09	2.5	1.7	1.7	33	4	179	.18	10	0.7	0.6	30	KON
		5	7 1	30.26	19	14.37	155	34.10	9.09	2.9	2.9	2.8	45	5	110	.15	5	0.4	0.7	45	LSW
		5	840	20.86	19	20.26	155	12.85	6.71	1.4	1.1	1.4	26	2	77	.12	4	0.5	0.9	25	SF2
		5	927	27.78	19	17.48	155	27.63	9.99		1.3	1.4	35	4	50	.15	6	0.4	0.6	34	LSW
		5	1457	56.35	19	16.67	155	14.49	9.24	1.8	1.4	1.7	31	7	197	.09	2	0.6	0.4	30	SF2
		5	21 0	24.75	19	19.60	155	11.60	8.64	3.0	3.1	3.1	52	8	92	.11	5	0.4	0.4	35	SF3
		5	2311	38.32	19	24.34	155	17.96	11.19	2.6	3.1	1.7	19	2	55	.14	2	0.7	0.9	17	INT L
		6	348	5.32	19	14.01	155	37.63	4.09	1.9	1.2	1.7	37	2	90	.18	13	0.6	2.2	37	LSW
		6	544	44.96	19	18.49	155	15.48	7.88	1.4	1.4	1.5	41	5	106	.13	4	0.4	0.5	35	SF1
		6	550	35.83	19	18.91	155	9.99	7.51	1.5	1.4	1.6	35	6	113	.15	5	0.4	0.6	33	SF3
		6	1427	34.78	19	0.65	157	0.20	40.23		2.9	2.4	16	1	334	.17	122	5.2	4.4	4	DIS
		6	1626	19.04	19	24.44	155	25.18	7.79	1.9	1.7	1.8	40	8	35	.12	1	0.3	0.7	28	KAO
		6	2140	38.37	19	25.50	155	17.39	8.25	2.5	2.7	1.8	17	5	132	.13	0	1.0	0.6	16	INT L
		6	2223	15.26	19	26.06	155	16.49	12.46	2.7	2.8	1.7	17	2	129	.14	2	1.2	0.7	16	INT L
		6	2251	35.80	19	24.28	155	16.15	11.71	2.2	1.6	1.5	22	5	84	.07	1	0.8	0.5	17	INT L
		6	2328	14.22	19	23.30	155	19.21	6.32	2.2	2.3	1.5	17	5	98	.13	4	0.6	1.3	16	KAO L
		7	1 2	44.27	19	18.35	155	13.45	6.42	1.4	1.1	1.5	41	6	81	.15	2	0.4	0.6	38	SF2
		7	348	7.64	19	23.68	155	17.44	12.34	2.8	3.1	1.8	19	4	59	.14	1	1.0	1.0	16	INT L
		7	647	36.58	19	25.88	155	17.37	10.68	2.0	1.6	1.4	18	5	94	.14	1	1.0	0.7	15	INT L
		7	820	26.52	19	23.59	155	19.38	10.03	2.8	3.0	1.6	18	3	77	.17	1	0.9	1.3	16	KAO L
		7	949	52.58	19	25.59	155	15.41	12.63	1.8	1.4	1.2	17	3	159	.12	3	1.3	0.8	15	INT L
		7	1054	24.65	19	26.51	155	15.03	6.67	1.7	1.3	1.1	17	4	204	.15	4	0.9	0.6	13	INT L
		7	1251	31.22	19	24.91	155	16.94	10.00	2.1	2.5	1.9	20	4	91	.12	0	0.8	0.7	18	INT L
		7	1343	42.16	19	22.41	155	0.81	8.14	2.8	2.5	2.7	51	9	158	.12	6	0.5	0.4	45	SF5 F
		7	1855	34.77	19	33.89	155	41.36	10.05	3.0	2.4	2.4	46	4	132	.14	10	0.5	0.5	43	MLO
		7	1922	36.43	19	28.47	155	27.34	6.27	2.5	2.1	2.0	52	10	54	.14	7	0.3	0.8	44	KAO
		7	23 4	16.65	19	28.35	155	15.25	30.98	2.4	2.7	2.6	58	10	43	.12	3	0.5	0.4	49	DEP
		8	016	10.61	19	50.68	155	41.82	12.72		1.4	1.3	22	1	205	.11	4	2.0	0.8	24	KEA
		8	2 0	26.12	19	26.13	155	14.64	10.39	2.5	2.5	1.8	17	3	206	.12	3	1.3	0.8	15	INT
		8	334	50.14	19	25.30	155	16.01	10.13	2.0	1.4	1.3	18	2	125	.08	2	0.7	1.2	18	INT L
		8	458	15.32	19	24.42	155	18.57	6.42	3.1	3.3	3.6	53	11	33	.13	2	0.3	0.4	46	INT
		8	9 9	53.16	19	21.31	155	14.01	26.60		1.5	1.6	41	5	55	.10	3	0.8	0.6	36	DEP
		8	1610	2.53	19	23.94	155	15.93	3.50	1.9	1.3	1.4	26	7	73	.12	1	0.4	0.3	19	SEC
		8	1834	31.59	19	23.33	155	16.91	12.18	2.2	2.2	1.5	20	4	55	.11	0	0.8	0.8	16	INT L
		8	1921	3.68	19	44.33	155	11.33	40.65	2.2	2.1	1.9	52	12	169	.13	23	0.6	0.8	43	KEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	8	2037	42.92	19	25.42	155	15.78	11.81	2.5	2.4	1.7	16	2	137	.12	2	1.2	0.6	16	INT L
		8	2050	9.67	19	27.17	155	13.46	10.29	2.2	2.2	1.5	20	5	249	.10	5	1.1	0.6	16	GLN L
		8	21 8	58.35	19	23.90	155	16.37	6.45	2.3	2.4	1.7	18	3	72	.17	0	0.8	0.7	17	INT L
		8	2142	48.99	19	25.15	155	15.55	11.42	2.0	1.7	1.4	21	4	133	.13	2	1.1	0.7	17	INT L
		8	22 3	0.10	19	24.07	155	15.74	6.97	1.4	1.3	1.0	16	2	78	.14	2	0.7	0.7	15	INT L
		8	2251	27.99	19	23.62	155	17.73	8.37	2.4	2.5	1.7	16	2	63	.14	1	0.8	1.1	16	INT L
		9	138	5.56	19	43.83	155	50.63	17.20	2.2	2.0	1.8	21	2	234	.15	5	1.1	1.9	9	HUA
		9	3 4	33.84	19	24.27	155	13.84	11.96	2.7	2.9	1.5	9	2	168	.16	1	1.7	1.2	1	SF2 L
		9	449	48.72	19	12.32	155	7.80	22.18	3.1	3.3	3.2	64	14	201	.13	9	0.6	1.0	51	DEP
		9	650	32.87	19	24.46	155	15.75	5.93	1.5	1.3	1.1	17	3	94	.10	2	0.7	0.5	16	INT L
		9	836	2.16	19	24.83	155	19.22	6.90	2.1	1.5	1.2	29	5	65	.12	2	0.4	0.8	22	KAO
		9	1016	7.63	19	17.54	155	12.93	7.65	1.5	1.2	1.5	16	1	133	.06	1	0.6	1.1	10	SF2
		9	1340	58.04	20	33.69	155	52.84	43.62	2.8	2.3	2.3	22	2	325	.11	81	4.2	5.1	10	DIS
		9	2134	32.03	19	15.25	155	14.76	29.31	2.4	2.0	2.1	45	9	165	.11	4	0.8	0.9	37	DEP
		10	133	33.86	19	26.66	155	26.31	5.08	1.9	1.6	1.5	37	7	50	.13	3	0.3	1.2	31	KAO
		10	3 7	31.69	19	24.51	155	17.19	9.90	2.4	3.0	1.6	16	6	69	.14	1	0.9	0.7	9	INT L
		10	3 9	32.22	19	25.81	155	18.62	7.92	1.9	1.9	1.3	14	6	152	.16	2	1.4	0.8	6	INT L
		10	313	4.63	19	23.94	155	16.38	13.94	2.2	1.9	1.3	12	4	73	.10	2	1.5	0.8	8	DEP L
		10	318	7.68	19	24.90	155	17.58	9.92	2.4	2.5	1.4	18	6	74	.10	1	0.8	0.8	11	INT L
		10	334	2.05	19	25.45	155	15.39	11.98	2.1	2.5	1.2	14	7	154	.08	2	1.3	0.6	6	INT L
		10	352	9.95	19	25.19	155	17.40	9.38	1.9	1.9	1.2	14	3	85	.12	1	0.9	1.3	10	INT L
		10	443	37.40	19	25.69	155	16.31	7.25	2.4	2.6	1.7	19	7	127	.13	2	0.7	0.5	13	INT L
		10	522	35.28	19	25.74	155	18.05	10.61	2.4	2.5	1.6	16	5	85	.12	1	1.0	0.6	12	INT L
		10	620	43.89	19	25.53	155	19.53	8.01	2.4	2.6	1.6	13	3	119	.09	3	0.8	1.0	11	KAO L
		10	843	46.50	19	26.27	155	17.69	11.93	2.4	2.4	1.6	20	6	96	.13	2	1.1	0.6	14	INT L
		10	11 3	25.64	19	24.32	155	23.74	12.76	2.5	2.6	1.2	13	2	131	.23	3	1.8	2.7	1	KAO L
		10	14 2	36.00	19	25.09	155	17.13	12.33	2.2	2.5	1.3	19	4	90	.12	0	0.9	0.7	2	INT L
		10	1559	34.86	19	23.22	155	20.34	14.44	2.2	2.2	1.6	11	0	156	.11	1	1.6	4.3	0	DML L
		10	1935	9.70	19	29.12	155	15.95	16.34	2.7	3.1	1.8	11	2	265	.14	3	2.8	1.8	1	DEP L
		10	20 4	20.49	19	25.71	155	14.21	6.35	2.1	2.2	1.3	14	3	235	.17	2	1.2	1.4	0	INT L
		10	21 4	9.44	19	22.50	155	15.84	32.26	2.3	1.9	1.9	57	10	52	.11	0	0.6	0.5	38	DEP
		10	2125	4.61	19	25.36	155	16.13	11.66	2.1		1.2	15	3	123	.11	2	1.0	0.8	4	INT L
		10	2311	5.06	19	25.33	155	16.15	8.60	2.1		1.4	21	7	121	.15	2	1.0	0.7	14	INT L
		11	234	42.98	19	23.40	155	17.64	6.82	2.4		1.7	14	2	76	.10	1	0.6	1.0	15	INT L
		11	256	54.05	19	27.43	155	14.08	21.10	2.3		1.6	18	5	250	.11	5	2.0	1.0	15	DEP L
		11	4 1	35.24	19	25.25	155	16.17	11.07	2.0		1.1	20	4	118	.11	2	0.9	0.5	16	INT L
		11	5 2	36.84	19	24.68	155	17.00	10.12	2.1		1.4	21	5	84	.12	0	0.8	0.5	16	INT L
		11	612	14.95	19	21.09	155	0.32	8.52	2.1	1.9	1.8	36	6	190	.15	5	0.7	0.6	31	SF5
		11	716	14.17	19	26.58	155	14.43	9.02	2.4	2.4	1.6	16	2	222	.15	4	1.3	1.0	15	INT L
		11	1415	29.20	20	18.66	156	59.72	32.69		2.6	2.2	24	4	329	.14	139	2.8	4.6	20	DIS
		11	1738	22.01	19	18.82	155	13.80	8.34	2.2	2.2	2.1	43	3	87	.13	3	0.5	0.6	34	SF2
		11	1925	29.76	19	24.75	155	16.60	0.64	1.9	2.6	1.8	15	1	92	.16	1	0.3	0.3	1	SNC L
		12	047	43.05	19	23.64	155	18.93	7.07	2.1	2.1	1.5	16	2	74	.13	4	0.7	1.3	15	INT L
		12	350	44.46	19	24.40	155	15.10	5.14	2.0	2.2	1.2	17	3	123	.12	1	0.8	0.6	15	INT L
		12	536	18.00	19	20.32	155	4.59	7.53	2.0	1.9	2.1	49	7	122	.11	3	0.3	0.3	43	SF5

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	12	7 8	1.63	19	23.38	155	18.15	10.22	2.6		1.8	19	4 70	.13	2	0.7	0.9	15	INT	L
		12	1118	47.80	19	24.94	155	16.74	9.29	1.8	1.6	1.1	14	4 95	.15	0	1.4	0.9	8	INT	L
		12	1422	30.11	19	24.36	155	16.27	11.22	1.3	1.6	1.1	10	1 171	.13	1	1.9	2.5	0	INT	L
		12	1445	45.12	19	24.94	155	19.43	5.88	2.1	1.7	1.4	32	7 60	.12	2	0.4	0.7	23	KAO	
		12	1714	17.65	19	27.70	155	14.95	9.48	2.2	2.5	1.5	14	3 248	.13	3	0.9	1.5	0	INT	L
		12	1949	41.81	19	27.94	155	16.84	0.01	2.3	2.7	1.8	12	2 231	.24	0	0.9	0.8	1	SNC	L*
		12	2129	43.95	19	27.86	155	16.33	5.99	2.1	1.8	1.4	16	3 242	.21	1	1.1	1.5	2	INT	L
		12	2224	16.45	19	26.30	155	14.70	8.07	1.9	1.5	1.3	19	4 208	.21	3	1.4	1.0	15	INT	L
		13	052	21.17	19	24.16	155	16.63	9.55	2.1	2.1	1.5	16	4 101	.09	0	1.0	0.7	15	INT	L
		13	432	16.06	19	25.46	155	16.08	9.57	2.1	2.3	1.5	19	3 128	.19	2	1.2	0.6	16	INT	L
		13	459	11.67	19	21.97	155	2.02	5.81	2.1	2.0	2.0	48	7 142	.14	4	0.6	0.8	45	SF5	
		13	733	23.16	19	25.39	155	16.56	12.65	2.8	3.1	1.8	17	3 110	.12	1	1.1	0.5	15	INT	L
		13	754	31.44	19	24.48	155	16.90	8.57	2.1	2.2	1.5	18	4 82	.14	1	0.8	0.7	16	INT	L
		13	1039	2.96	19	24.22	155	17.37	6.87	1.7	1.5	1.1	18	3 54	.11	1	0.6	0.8	16	INT	L
		13	1421	36.83	19	22.64	155	19.09	6.75	2.3	2.3	1.5	15	3 158	.17	2	1.1	1.6	1	KAO	L
		13	1423	48.65	19	18.60	155	25.75	9.78		1.2	1.2	18	1 71	.10	5	0.6	1.2	13	LSW	
		13	1646	40.02	19	25.05	155	17.68	7.90	1.9	1.9	1.3	12	2 85	.10	1	1.2	1.4	2	INT	L
		13	1852	39.74	19	18.77	155	30.58	9.46	2.0	1.7	1.8	36	2 39	.15	7	0.4	0.7	28	LSW	
		13	1856	43.01	19	13.07	155	29.65	8.69	2.5	2.8	2.7	55	7 76	.17	4	0.4	0.5	50	LSW	F
		13	19 2	11.41	19	6.15	155	22.92	45.08		1.7	1.7	27	2 195	.08	11	1.1	1.4	12	LOI	L
		13	2237	42.62	19	23.26	155	17.56	11.59	2.2	2.6	1.7	19	4 64	.13	1	0.9	1.0	15	INT	L
		13	2316	15.25	19	21.77	155	3.27	5.48	2.0	1.9	1.8	41	5 114	.13	4	0.5	0.8	41	SF5	
		13	2339	40.45	19	20.19	155	7.84	8.17	1.9	1.8	1.9	43	7 90	.13	5	0.4	0.3	40	SF4	
		14	239	22.13	19	24.41	155	15.84	8.93	2.1	2.0	1.4	17	2 92	.10	2	0.8	0.8	15	INT	L
		14	4 8	48.00	19	22.43	155	3.79	8.46	2.6	2.8	2.8	53	7 95	.13	4	0.5	0.3	47	SF5	F
		14	756	4.17	19	25.19	155	15.21	1.86	2.2	2.5	1.7	16	3 170	.14	3	0.4	0.8	13	SNC	L
		14	949	33.23	19	24.26	155	16.92	7.18	1.7	1.5	1.2	15	1 77	.13	1	0.7	1.0	15	INT	L
		14	1627	11.91	19	25.08	155	15.21	11.00	2.2	1.7	1.5	15	4 142	.10	2	1.0	0.6	12	INT	L
		14	1731	54.70	19	11.61	155	38.01	2.78	3.3	3.0	3.4	45	9 99	.19	6	0.4	0.9	42	LSW	
		14	2237	8.63	19	24.42	155	17.24	10.94	2.1	2.3	1.5	15	6 150	.14	1	1.5	0.9	9	INT	L
		15	144	28.21	19	21.52	155	29.84	10.32		1.4	1.3	25	5 50	.13	4	0.4	0.6	20	KAO	
		15	312	53.10	19	25.99	155	17.35	13.34	2.2	2.1	1.4	11	1 95	.09	2	1.6	1.3	10	DEP	L
		15	1247	19.84	19	9.24	155	34.68	5.34	2.0	1.4	1.9	23	3 119	.11	11	0.4	2.9	22	LSW	
		15	1629	36.88	19	26.73	155	15.90	6.77	2.3	2.3	1.7	19	9 178	.13	2	0.8	0.6	13	INT	L
		15	1857	46.59	19	21.35	155	4.82	8.41	1.5	1.4	1.9	37	8 89	.14	4	0.4	0.3	33	SF5	
		15	1946	23.14	20	3.58	155	48.54	7.48	1.3	1.5	1.7	12	4 296	.10	27	1.9	1.3	9	KOH	
		15	2023	52.33	19	52.06	156	6.01	39.53	1.5	1.9	1.8	23	6 288	.17	34	2.1	1.4	18	HUA	
		15	2134	24.81	19	18.92	155	13.17	7.91	1.8	1.5	1.7	40	7 82	.12	4	0.3	0.4	34	SF2	
		16	1831	36.74	19	25.00	155	18.37	10.97	2.0	2.0	1.4	11	1 151	.09	2	1.4	1.1	2	INT	L
		16	1922	37.45	19	24.39	155	18.33	5.42	2.3	2.9	1.8	10	0 90	.13	2	0.8	1.6	1	INT	L
		16	1927	7.11	19	27.15	155	19.98	12.02	2.2	2.1	1.6	8	1 177	.11	2	6.6	1.5	0	KAO	L
		16	1946	26.13	19	26.01	155	15.39	11.74	2.4	2.8	1.4	11	3 177	.11	3	1.6	1.0	0	INT	L
		16	2139	49.33	19	24.20	155	16.66	6.52	2.4	2.6	1.8	23	5 77	.16	1	0.7	0.7	18	INT	L
		16	2338	24.67	19	24.74	155	15.89	10.01	1.9	2.0	1.3	21	5 105	.12	2	0.9	0.5	16	INT	L
		17	0 0	29.31	19	25.62	155	15.50	11.37	1.9	1.9	1.2	17	5 157	.07	3	1.2	0.6	12	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	17	018	52.44	19	25.31	155	15.67	10.93	1.9	1.6	1.3	19	4 137	.10	2	1.0	0.5	16	INT	L
		17	035	26.30	19	23.82	155	18.47	5.05	2.1	2.0	1.4	15	3 112	.10	2	0.5	0.9	14	INT	L
		17	147	55.83	19	24.94	155	16.90	11.49	2.0	1.9	1.3	22	5 92	.09	0	0.8	0.5	17	INT	L
		17	313	17.07	19	23.67	155	16.01	9.13	2.6	2.9	1.8	17	4 118	.14	1	1.0	0.8	16	INT	L
		17	327	6.20	19	29.15	155	26.61	5.11	1.7	1.2	1.1	35	7 65	.13	6	0.3	1.4	30	KAO	
		17	5 1	44.64	19	25.21	155	16.73	11.79	2.0	2.3	1.3	18	3 102	.14	1	1.1	0.6	15	INT	L
		17	535	0.73	19	24.47	155	16.86	10.46	1.9	1.7	1.1	17	3 82	.12	1	0.9	0.7	14	INT	L
		17	629	58.92	19	24.25	155	17.92	9.44	1.9	2.0	1.3	21	5 59	.09	2	0.6	0.6	16	INT	L
		17	651	25.16	19	23.79	155	17.22	10.43	2.8	3.1	1.9	20	3 53	.15	1	0.8	0.6	18	INT	L
		17	1013	30.70	19	25.44	155	13.72	8.55	2.3	2.4	1.4	14	4 264	.13	2	1.2	1.5	1	SF2	L
		17	1121	51.16	19	23.60	155	17.03	9.85	1.8	1.6	1.3	16	4 124	.14	0	1.5	0.9	2	INT	L
		17	1737	23.90	19	22.42	155	1.53	8.05	1.8	1.2	1.7	23	1 155	.12	5	0.7	0.9	18	SF5	
		17	1752	59.51	19	26.13	155	16.49	11.98	2.1	2.2	1.4	12	1 131	.14	2	1.4	1.0	0	INT	L
		17	1854	29.85	19	26.82	155	17.76	6.47	1.8	2.0	1.3	13	2 120	.12	3	0.9	0.7	1	INT	L
		17	19 5	4.82	19	24.58	155	17.38	11.18	2.0	2.0	1.4	18	4 51	.17	1	0.9	0.9	4	INT	L
		17	2029	41.88	19	25.55	155	15.79	10.99	2.7	3.4	1.5	19	5 142	.15	2	1.1	0.9	1	INT	L
		17	2222	31.80	19	25.22	155	16.88	9.45	2.7	3.1	1.9	21	4 71	.08	1	0.6	0.5	18	INT	L
		17	2339	29.53	19	22.58	155	26.75	9.61	1.5	1.2	1.4	38	3 41	.12	2	0.3	0.4	35	KAO	
		18	022	58.21	19	24.68	155	16.83	9.92	1.8	1.9	1.3	14	0 87	.10	1	0.9	2.0	14	INT	L
		18	1 9	36.83	19	24.47	155	17.09	10.30	2.8	3.1	1.9	19	3 74	.13	1	0.9	0.7	16	INT	L
		18	213	5.31	19	24.84	155	17.07	11.74	1.9	1.8	1.3	20	5 73	.11	0	1.0	0.6	16	INT	L
		18	324	6.50	19	23.83	155	17.20	9.56	1.9	2.0	1.2	20	5 62	.09	1	0.7	0.7	16	INT	L
		18	449	14.28	19	24.43	155	16.51	10.42	2.5	2.6	1.7	19	4 85	.14	1	1.0	0.6	16	INT	L
		18	555	35.65	19	23.99	155	16.93	10.64	1.7	1.6	1.1	20	5 71	.11	1	0.8	0.7	16	INT	L
		18	7 0	41.56	19	24.74	155	16.64	13.13	2.6	2.8	1.9	18	4 91	.12	1	1.0	0.6	15	DEP	L
		18	754	37.15	19	19.83	155	6.80	7.34	1.2	1.2	1.6	37	4 116	.13	5	0.5	0.5	34	SF4	
		18	952	14.12	19	24.26	155	16.02	11.78	2.6	2.9	1.9	17	2 85	.08	1	0.9	0.8	16	INT	L
		18	1114	41.38	19	20.95	155	12.80	8.44	1.8	1.7	1.8	39	5 62	.13	3	0.4	0.5	34	SF2	
		18	1218	12.29	19	26.42	155	15.67	12.12	2.4	2.5	1.7	15	5 203	.13	4	1.4	0.9	11	INT	L
		18	1412	8.22	19	27.08	155	16.19	6.89	2.7	3.3	1.2	13	5 179	.21	2	1.4	1.1	1	INT	L
		18	1521	10.98	19	25.23	155	12.71	6.82	2.2	2.1	1.5	15	4 194	.08	3	1.3	1.7	1	SF2	L
		18	1654	7.60	19	23.26	155	16.23	0.33	2.4	3.1	1.2	11	3 149	.12	1	0.3	0.2	1	SEC	L
		18	2015	32.51	19	22.94	155	17.89	10.07	2.3	2.4	1.5	18	4 72	.12	2	0.8	0.9	1	INT	L
		18	2212	9.41	19	23.75	155	17.81	6.76	1.6	1.5	1.1	18	5 110	.14	2	0.7	0.8	14	INT	L
		18	2248	44.76	19	23.70	155	14.87	31.13	2.3	1.4	1.9	61	13 44	.11	2	0.6	0.4	49	DEP	
		18	2253	47.42	19	17.69	155	13.12	7.87	1.9	1.6	1.8	44	7 114	.12	1	0.3	0.4	39	SF2	
		19	0 9	29.98	19	24.68	155	17.62	12.12	2.5	2.5	1.6	18	4 68	.13	1	1.2	0.7	16	INT	L
		19	439	42.85	19	25.48	155	15.33	13.00	2.2	2.2	1.4	18	3 159	.08	2	1.1	0.6	16	DEP	L
		19	754	54.41	19	19.16	155	28.43	10.56	3.1	3.2	3.3	57	9 41	.12	6	0.3	0.4	51	KAO	F
		19	829	42.20	19	24.79	155	16.59	10.05	1.8	1.6	1.2	17	3 94	.10	1	0.9	0.5	15	INT	L
		19	944	18.00	19	26.31	155	22.52	10.61	2.1	1.6	1.5	49	16 50	.11	4	0.3	0.4	33	KAO	
		19	1043	50.53	19	26.67	155	16.63	9.61	2.2	2.4	1.5	18	7 134	.09	2	0.9	0.7	15	INT	L
		19	1914	43.61	19	26.15	155	21.12	11.55	2.0	1.4	1.6	38	9 53	.11	3	0.4	0.6	20	KAO	
		19	1940	27.95	20	4.40	154	44.41	57.19	1.5	2.5	2.1	18	4 293	.18	65	3.4	4.0	2	KEA	
		19	2151	5.41	19	24.94	155	16.17	10.11	2.7	3.1	1.8	22	4 107	.12	1	0.9	0.4	19	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	19	2155	10.17	19	25.15	155	14.75	7.55	2.4	2.6	1.6	21	5	157	.11	1	0.8	0.6	17	INT L
		19	22 1	8.82	19	24.82	155	15.25	8.53	2.5	2.7	1.7	20	6	155	.11	2	1.1	0.5	16	INT L
		19	2219	4.30	19	24.51	155	16.23	9.32	1.9	1.9	1.5	15	0	91	.14	1	1.0	2.1	16	INT L
		19	2232	0.89	19	25.25	155	14.52	6.35	2.4	2.8	1.7	22	6	190	.13	1	0.8	0.7	16	INT L
		19	2331	9.79	19	23.23	155	17.41	4.14	2.1	2.2	1.4	18	3	63	.12	1	0.4	0.7	16	SSC L
		20	0 3	18.20	19	25.92	155	15.52	6.72	2.0	2.2	1.5	20	6	199	.11	3	1.0	0.5	16	INT L
		20	037	41.38	19	23.54	155	17.74	11.12	2.2	1.9	1.3	20	5	64	.15	1	0.8	0.9	16	INT L
		20	4 6	3.12	19	25.33	155	17.35	10.11	2.7	3.1	1.8	21	6	88	.13	0	0.6	0.8	16	INT L
		20	841	35.39	19	24.14	155	17.62	11.48	2.1	1.6	1.2	20	5	67	.15	2	1.0	0.8	16	INT L
		20	1652	10.71	19	13.12	155	27.94	12.34	2.3	1.6	1.9	36	8	101	.12	5	0.5	0.8	18	LSW
		20	1711	40.80	19	13.00	155	28.00	12.39	2.4	2.2	2.0	41	7	101	.12	5	0.4	0.4	25	LSW
		21	1139	52.61	19	39.91	155	3.34	0.01	2.3	2.3		9	0	227	.29	18	3.0	14.4	12	HIL B*
		21	1413	57.63	19	23.14	155	20.75	12.55	2.7	3.0	1.6	15	4	134	.21	2	1.3	1.6	1	KAO L
		21	1421	7.31	19	25.50	155	16.11	10.99	2.3	2.3	1.6	12	4	210	.08	2	2.1	1.0	1	INT L
		21	1430	20.45	19	27.39	155	17.58	4.31	1.8	1.8	1.6	9	2	216	.16	2	2.0	1.2	1	SNC L
		21	1448	21.43	19	28.65	155	12.87	4.35	2.5	2.8	1.7	16	4	281	.12	7	1.7	7.0	1	GLN L
		21	1517	29.84	19	25.08	155	12.68	3.04	2.2	2.3	1.5	11	2	276	.16	3	1.4	0.7	1	SER L
		21	1538	0.38	19	24.79	155	19.69	5.11	1.7	1.7	1.3	11	0	109	.15	2	0.7	1.4	1	KAO L
		21	1554	44.35	19	26.12	155	14.46	16.47	2.1	2.0	1.4	7	1	291	.10	3	4.7	1.5	2	DEP L
		21	16 5	12.69	19	22.40	155	15.33	0.61	1.7	1.4	1.0	8	2	138	.04	1	0.3	0.2	2	SEC L
		21	1615	8.34	19	24.47	155	14.84	8.62	1.8	1.5	1.2	14	6	136	.07	1	0.8	0.8	10	INT L
		21	1623	12.49	19	25.97	155	14.89	9.11	2.5	2.8	1.7	23	9	172	.11	3	0.8	0.6	13	INT L
		21	1630	38.11	19	19.28	155	37.12	12.50	2.2	1.4	1.7	39	6	70	.14	6	0.4	0.6	34	MLO
		21	1711	40.94	19	25.73	155	16.52	6.64	2.1	2.3	1.6	17	6	120	.11	2	0.8	1.0	12	INT L
		21	1748	24.62	19	23.16	155	17.20	12.01	2.2	1.9	1.3	20	8	88	.10	1	0.9	0.6	11	INT L
		21	1819	22.73	19	25.88	155	15.25	8.88	2.0	2.0	1.4	19	8	179	.08	3	0.8	0.6	10	INT L
		21	2014	22.35	19	24.47	155	18.81	8.15	1.9	1.9	1.3	18	8	103	.11	2	1.8	0.9	7	INT L
		21	2044	19.34	19	24.48	155	15.73	8.50	2.4	2.8	1.7	13	5	143	.09	2	1.0	0.8	9	INT L
		21	2150	53.39	19	19.99	155	11.11	7.18	1.8	1.8	1.8	41	6	86	.12	4	0.4	0.6	35	SF3
		21	2217	52.93	19	26.24	155	16.36	11.80	2.4	2.8	1.5	24	7	135	.10	3	0.9	0.6	17	INT L
		22	120	43.15	19	20.08	155	9.46	6.51	1.5	1.3	1.5	29	4	80	.10	4	0.5	0.8	27	SF3
		22	257	21.19	19	26.13	155	30.32	10.68	2.5	2.5	1.8	27	6	41	.10	5	0.4	0.7	25	KAO
		22	516	28.07	19	22.42	155	1.01	8.09	2.9	2.9	2.9	52	8	155	.12	6	0.6	0.4	46	SF5
		22	521	15.13	19	22.05	155	0.76	8.03	2.4	2.2	2.1	45	6	165	.12	5	0.6	0.4	40	SF5
		22	613	4.23	19	15.10	155	26.61	10.42	2.3	2.6	2.2	35	7	85	.07	5	0.3	0.5	32	LSW
		22	948	45.27	19	25.04	155	15.58	11.73	2.6	2.9	1.8	22	10	127	.10	2	1.1	0.6	12	INT L
		22	1135	30.39	19	22.49	155	18.67	9.48	2.5	2.9	1.6	15	5	116	.12	3	0.6	1.2	14	INT L
		22	12 6	55.50	19	24.44	155	17.07	10.67	2.5	2.7	1.7	20	8	76	.09	1	1.2	0.6	11	INT L
		22	1514	41.23	19	25.60	155	14.82	11.48	1.9	1.6	1.4	16	7	223	.10	2	1.4	0.7	9	INT L
		22	1639	0.88	19	25.59	155	30.68	8.84	2.0	1.6	1.6	36	6	38	.10	4	0.4	0.7	31	KAO
		22	1752	59.19	19	28.47	155	36.84	9.92	2.5	2.0	1.3	20	7	180	.10	2	0.5	0.8	16	MLO
		22	2010	19.48	19	22.69	155	18.48	10.77	2.0	1.9	1.3	18	10	216	.12	3	1.2	0.7	9	INT L
		23	2 4	59.87	20	19.04	156	44.14	7.15		2.5	2.4	25	5	318	.16	102	8.9	11.2	21	DIS *
		23	1616	44.03	19	27.21	155	16.19	17.35	2.6	2.6	1.6	12	1	168	.11	1	2.0	3.6	1	DEP L
		23	1627	59.10	19	25.70	155	16.93	10.29	1.8	1.6	1.4	15	1	106	.05	1	1.2	1.6	4	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	23	1630	44.53	19	24.97	155	17.19	10.84	1.9	1.6	1.2	18	5	87	.07	0	1.1	0.9	5	INT L
		23	1637	59.11	19	23.66	155	15.14	3.33	2.6	1.9	1.8	38	7	55	.12	2	0.3	0.3	25	SEC
		23	1659	6.58	19	23.98	155	17.10	12.76	2.5	2.9	1.3	12	2	97	.09	1	1.9	0.9	0	INT L
		23	18 2	17.25	19	27.40	155	14.65	6.34	2.4	2.8	1.6	10	4	241	.06	4	0.8	2.0	1	INT L
		23	1934	51.18	19	21.70	155	17.32	6.69	2.0	1.8	1.4	16	6	199	.07	3	0.6	1.7	1	SWR L
		23	2139	47.32	19	25.23	155	14.30	3.56	2.1	2.3	1.4	17	2	197	.14	1	0.8	0.7	15	SNC L
		24	0 2	39.55	19	24.82	155	15.31	11.45	1.8	1.6	1.1	18	3	121	.14	2	1.2	0.7	16	INT L
		24	144	3.61	19	26.03	155	15.28	8.00	2.2	2.1	1.7	16	1	183	.12	3	0.9	1.3	16	INT L
		24	548	17.98	19	24.71	155	15.25	12.68	2.2	2.0	1.5	18	2	114	.11	2	1.1	0.6	16	INT L
		24	614	49.48	19	32.16	155	41.90	6.86	2.6	1.8	1.8	41	3	61	.12	8	0.4	0.9	39	MLO
		24	9 3	44.68	19	26.02	155	15.19	13.35	2.1	1.6	1.3	17	3	186	.12	3	1.2	0.6	16	DEP L
		24	1031	16.00	19	22.60	155	2.23	8.41	2.0	1.9	1.9	46	5	129	.14	5	0.6	0.4	42	SF5
		24	1215	58.90	19	18.68	155	14.18	7.01	1.7	1.5	1.7	40	8	99	.10	3	0.4	0.6	31	SF2
		24	1416	4.90	19	20.77	155	1.74	6.96	2.2	2.4	2.2	41	7	176	.12	3	0.5	0.4	24	SF5
		24	17 0	30.52	19	24.80	155	16.89	12.60	1.9	2.0	1.2	11	5	145	.06	0	1.9	0.6	1	INT L
		24	1737	16.14	19	15.95	155	30.59	7.72	2.1	1.7	1.7	27	2	103	.17	2	0.4	1.1	17	LSW
		24	2216	57.12	19	27.15	155	51.60	8.81		1.3	1.4	31	4	120	.14	7	0.4	0.5	29	KON
		25	012	40.76	19	25.29	155	15.98	10.08	1.8	1.9	1.3	19	3	125	.11	2	0.9	0.5	16	INT L
		25	351	27.12	19	24.86	155	16.56	8.95	1.9	1.7	1.2	17	2	96	.12	1	0.9	0.7	15	INT L
		25	813	29.21	19	24.88	155	16.94	9.71		1.6	1.1	16	3	90	.13	0	1.2	0.6	13	INT L
		25	823	50.68	19	21.23	155	24.13	10.29		1.2	1.0	25	3	64	.11	2	0.5	0.6	22	SWR
		25	10 4	15.65	19	19.29	155	11.50	6.01		1.5	1.5	31	4	100	.11	5	0.4	1.0	30	SF3
		25	1022	8.77	19	20.35	155	10.84	7.11		1.5	1.6	27	3	92	.12	4	0.5	1.0	24	SF3
		25	1119	29.89	19	19.91	155	10.74	8.13		1.5	1.5	28	4	88	.09	4	0.5	0.8	26	SF3
		25	1910	3.82	19	25.08	155	16.54	11.49		1.6	1.4	17	4	102	.12	1	1.1	0.9	2	INT L
		25	2119	14.27	19	24.74	155	17.29	11.43		1.6	1.0	17	3	50	.11	1	0.9	0.7	15	INT L
		26	052	39.13	19	25.51	155	16.40	10.84		1.6	1.0	17	2	118	.15	2	1.1	0.7	15	INT L
		26	851	58.44	19	26.80	155	28.65	8.89	1.6	1.2	1.4	40	7	45	.13	7	0.3	0.6	36	KAO
		26	1739	59.98	19	25.42	155	14.28	12.64	2.2		1.4	19	3	201	.12	1	1.2	0.6	2	INT L
		26	1811	3.97	19	10.38	155	40.40	0.97	2.7	2.8	2.7	41	0	120	.23	10	0.9	6.5	29	LSW
		26	2029	18.78	19	28.48	155	28.45	9.59	1.6	1.2	1.3	40	5	58	.10	7	0.3	0.8	24	KAO
		26	2124	42.95	19	24.92	155	16.54	11.17	2.6	2.7	1.7	17	3	148	.13	1	1.2	0.6	15	INT L
		26	2346	12.33	19	25.85	155	14.88	11.41	2.1	1.7	1.4	21	6	193	.14	2	1.2	0.7	15	INT L
		27	313	51.17	19	25.04	155	15.01	8.99	2.5	3.0	1.5	20	4	148	.13	1	1.0	0.5	17	INT L
		27	655	18.32	19	24.90	155	15.04	10.89	0.8	1.9	1.2	16	2	165	.10	1	1.2	0.6	15	INT L
		27	1122	4.62	19	26.02	155	16.78	11.05	2.4	2.6	1.6	21	9	117	.14	2	1.0	0.6	14	INT L
		27	1248	39.87	19	24.01	155	15.73	6.48	1.7		1.2	15	6	113	.08	2	0.6	0.9	10	INT L
		27	1249	15.81	19	44.11	155	2.07	0.00	2.5	2.7	1.8	28	1	203	.27	6	1.5	2.5	34	HIL B*
		27	1413	27.82	19	28.03	155	17.41	5.39	2.1	2.5	1.6	14	7	315	.09	5	1.2	1.8	9	GLN L
		27	1424	10.80	19	12.69	155	30.61	8.55	2.4	2.2	2.2	36	4	136	.13	5	0.5	0.9	32	LSW F
		27	1615	40.50	19	27.14	155	14.40	30.46	1.8	1.7	1.6	43	7	104	.11	4	0.6	0.8	32	DEP
		27	17 3	16.09	19	28.90	155	15.39	14.09	1.9		1.2	13	5	270	.07	8	1.5	1.0	1	DEP L
		27	1754	10.75	19	19.83	156	37.28	45.77		2.0	1.7	22	0	313	.15	76	12.7	3.8	12	DIS *
		27	18 7	46.38	19	14.78	155	39.47	5.69	3.1	3.7	3.4	36	1	227	.23	4	1.5	1.3	28	LSW F
		27	1829	3.08	19	25.63	155	14.03	19.38	2.0	1.7	1.2	15	3	212	.12	2	1.7	1.0	1	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	APR	27	1959	34.67	19	23.99	155	16.97	11.45	2.6		1.2	15	4	87	.14	1	1.4	0.9	1	INT L
		27	20 0	28.70	19	24.85	155	16.18	10.81	2.3	2.8	1.8	13	3	104	.23	1	2.8	1.5	1	INT L
		27	2028	58.58	19	22.95	155	20.08	12.67	2.2	2.2	1.1	11	2	256	.10	2	2.3	1.4	3	KAO L
		27	2233	1.06	19	25.43	155	17.95	8.50	2.2	2.4	1.5	17	3	76	.14	1	0.9	0.6	16	INT L
		28	2 2	58.32	19	7.41	155	27.77	33.09	2.0	1.5	1.6	48	9	172	.11	4	0.8	0.6	39	DLS
		28	238	46.16	19	25.33	155	15.69	8.39	2.1	2.3	1.4	17	3	136	.16	2	1.1	0.7	14	INT L
		28	556	49.77	19	24.79	155	15.84	10.52	2.0	2.0	1.4	22	6	108	.20	2	1.3	0.7	16	INT L
		28	736	26.11	19	24.06	155	17.10	9.05	2.4	2.1	1.7	19	4	70	.12	1	0.8	0.6	15	INT L
		28	753	38.02	19	21.49	155	1.99	7.14	2.1	2.5	2.4	45	4	150	.13	3	0.6	0.6	43	SF5 F
		28	1134	18.40	19	25.36	155	16.69	8.66	2.0		1.4	18	10	106	.11	1	0.9	0.6	9	INT L
		28	1618	51.55	19	27.40	155	13.76	7.09	2.4	2.6	1.7	16	4	233	.12	5	0.8	1.0	15	GLN L
		28	1834	20.59	19	17.56	155	12.82	7.32		1.2	1.7	31	7	137	.11	2	0.4	0.6	26	SF2
		28	1927	0.92	19	22.05	155	13.36	6.49	1.6	1.7	1.5	24	7	50	.15	1	0.4	0.5	18	SF2
		28	2045	52.24	19	17.62	155	13.11	7.85	1.5	1.2	1.5	29	5	117	.12	1	0.6	1.0	24	SF2
		28	2236	47.99	19	26.50	155	14.81	1.23	2.0	2.1	1.6	15	7	210	.15	3	0.3	0.5	9	SNC L
		29	257	47.90	19	27.01	155	12.95	6.42	2.2	1.7	1.4	16	8	259	.08	5	0.8	1.4	9	GLN L
		29	626	31.39	19	25.69	155	15.57	9.88	2.5		1.8	17	8	156	.12	3	1.0	0.7	10	INT L
		29	630	58.59	19	26.00	155	15.85	8.54	1.9	2.2	1.5	11	6	155	.13	3	1.0	0.9	5	INT L
		29	737	51.89	19	27.05	155	13.00	5.86	2.3	2.2	1.6	12	5	260	.14	5	1.2	2.8	7	GLN L
		29	958	10.22	19	19.85	155	12.41	8.67	2.8	2.9	3.3	52	9	80	.13	5	0.4	0.3	48	SF2
		29	1432	49.96	19	26.67	155	14.96	8.99	2.1	2.0	1.4	16	9	211	.15	4	0.9	1.3	8	INT L
		29	1457	2.77	19	19.53	155	13.81	8.52	2.6	2.2	2.8	51	11	70	.13	5	0.3	0.3	44	SF2
		29	1943	59.51	19	26.17	155	15.31	8.04	2.3	2.1	1.6	16	6	186	.10	3	0.8	1.5	10	INT L
		29	2320	57.03	19	20.33	155	11.21	8.93	2.0	1.6	2.0	37	8	79	.13	4	0.5	0.4	37	SF3
		30	257	59.23	19	26.07	155	15.63	1.65	2.1	2.1	1.7	14	2	168	.12	3	0.4	0.7	15	SNC L
		30	4 9	5.49	19	19.45	155	26.60	9.35		1.4	1.5	43	5	53	.16	6	0.4	0.5	39	KAO
		30	953	7.59	19	24.56	155	15.60	14.11	2.4	2.8	1.6	17	3	101	.21	2	1.6	1.0	14	DEP L
		30	15 4	16.87	19	29.17	155	35.25	1.54		1.2	1.1	14	3	85	.11	1	0.3	0.3	12	MLO
		30	1917	7.68	19	24.96	155	15.98	8.14	2.4	3.0	1.7	18	3	113	.15	2	0.9	0.6	15	INT L
		30	2034	14.98	19	16.98	155	13.00	9.03	2.6	2.6	2.5	55	9	150	.14	1	0.4	0.3	47	SF2
	MAY	1	658	44.32	19	20.32	155	19.34	7.67			1.3	23	4	53	.18	3	0.5	0.9	21	SWR
		1	1216	35.86	19	26.82	155	15.20	14.70	2.2	2.2	1.5	15	3	214	.22	5	2.5	1.9	0	DEP L
		1	1324	7.40	19	25.11	155	14.71	3.83	2.4	2.8	2.2	11	0	237	.10	4	1.7	1.0	0	SNC L
		1	1532	55.56	20	17.29	155	35.66	37.48	1.8	1.9	2.0	15	3	281	.10	26	2.0	1.9	11	KOH
		1	1641	13.42	19	18.09	155	12.99	9.42	2.4	2.4	2.3	53	7	141	.11	8	0.3	0.4	33	SF2
		1	1819	24.92	19	18.42	155	12.82	3.43	1.9	1.6	1.8	35	3	101	.11	3	0.3	0.8	23	SSF
		1	1823	12.16	19	17.99	155	12.94	8.97	2.3	2.2	2.1	48	4	142	.12	9	0.4	0.5	30	SF2
		1	1921	48.42	19	24.67	155	13.99	13.02	2.4	2.3	1.4	13	3	255	.10	5	1.8	0.8	1	DEP L
		2	145	12.13	19	17.23	155	13.04	7.86	1.5	1.3	1.4	35	6	155	.12	1	0.5	0.6	29	SF2
		2	356	58.53	19	25.33	155	16.12	7.05	2.1	2.1	1.4	16	1	123	.11	2	0.7	0.7	15	INT L
		2	914	48.15	19	25.78	155	29.32	10.85	2.1	1.6	1.6	46	8	39	.13	7	0.3	0.4	38	KAO L
		2	1213	37.99	19	23.96	155	15.04	7.23	2.3	2.4	1.6	20	9	84	.14	2	0.8	0.7	10	INT L
		2	1254	57.46	19	22.25	155	20.32	27.49	2.4	2.1	2.2	58	13	45	.11	3	0.5	0.4	46	DML
		2	1343	39.49	19	23.49	155	15.58	9.53	2.5	3.0	1.5	15	3	86	.10	2	0.9	0.6	2	INT L
		2	1433	47.06	19	21.81	155	18.41	10.29	2.6	2.9	1.3	13	3	104	.24	4	1.6	2.9	0	SWR L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	2	2250	31.19	19	21.62	155	2.66	8.37	2.2	2.1	2.4	50	6	128	.12	3	0.5	0.3	44	SF5
		2	23 0	51.26	19	25.87	155	19.05	7.43	2.2	1.6	1.4	37	7	55	.13	3	0.4	0.5	30	KAO
		2	2357	52.26	19	25.85	155	19.14	7.58	2.4	2.2	1.7	46	10	38	.13	3	0.4	0.4	36	KAO
		3	1233	38.01	19	22.82	155	14.04	47.94	2.3	2.8	1.8	33	11	120	.14	2	1.5	0.7	20	DEP
		3	1354	16.82	19	24.38	155	16.52	14.99	2.6	2.5	1.8	19	8	114	.13	1	1.2	0.7	14	DEP L
		4	1437	26.69	19	23.48	155	20.09	6.69	2.3	2.7	1.2	11	2	148	.10	1	1.1	1.2	1	KAO L
		4	15 4	48.09	19	25.83	155	16.63	10.66	2.2	1.9	1.3	13	3	118	.07	2	1.5	0.8	3	INT L
		4	16 0	12.70	19	21.78	155	16.89	7.93	2.2	2.4	1.3	16	5	128	.26	2	1.3	1.8	6	SF1 L
		4	1633	1.56	19	25.03	155	17.08	7.50	2.1	2.2	1.6	11	2	90	.07	1	0.8	0.9	1	INT L
		4	1720	49.31	19	27.30	155	19.55	0.01	2.0	2.3	1.7	9	2	294	.24	5	1.6	1.1	1	KAO L*
		4	1845	15.56	19	23.97	155	17.95	11.45	2.0	1.9	1.4	18	5	89	.25	2	1.8	1.1	1	INT L
		4	1946	30.93	19	27.06	155	16.89	13.14	2.1		1.2	13	5	215	.24	3	5.4	1.4	1	DEP L
		4	1947	10.48	19	29.49	155	13.91	4.83	2.4	2.8	1.7	10	2	258	.09	6	1.3	4.4	1	GLN L
		4	2026	16.35	19	22.25	155	4.35	8.71	2.0	1.7	2.0	40	3	89	.10	4	0.4	0.5	33	SF5
		4	2048	48.54	19	23.50	155	15.03	9.59	2.7	2.9	1.6	14	5	99	.15	3	1.8	1.2	2	INT L
		4	2153	0.14	19	24.90	155	16.04	5.30	1.9	2.0	1.5	13	0	108	.10	2	0.6	1.1	15	INT L
		5	016	30.01	19	24.46	155	15.99	11.42	2.5	2.7	1.6	18	3	95	.11	1	1.0	0.7	16	INT L
		5	120	53.06	19	25.53	155	19.41	9.38	1.8	1.6	1.3	14	3	134	.16	3	1.2	1.1	14	KAO L
		5	541	5.29	19	23.94	155	15.92	10.42	2.7	3.1	1.7	20	5	73	.12	1	1.0	0.6	16	INT L
		5	823	19.78	19	24.85	155	15.88	9.01	2.3	2.5	1.6	19	5	110	.12	2	1.0	0.6	15	INT L
		5	1026	29.71	19	23.09	155	17.73	8.48	2.3	2.6	1.6	22	6	63	.30	1	0.9	1.1	4	INT L
		5	1327	24.60	19	25.25	155	15.71	9.75	2.6	2.6	1.9	18	2	132	.10	3	0.9	0.6	2	INT L
		5	14 6	54.53	19	48.44	155	14.57	14.48		1.4	1.6	27	0	177	.12	14	2.0	2.2	23	KEA
		5	1414	34.43	19	24.88	155	15.65	11.04	1.8	1.6	1.3	17	4	117	.07	2	0.9	0.7	2	INT L
		5	16 5	49.70	20	2.38	156	32.87	17.35		2.3	2.0	29	6	302	.15	81	1.2	17.6	24	DIS *
		5	1824	49.30	19	25.64	155	15.68	9.79	2.4	2.6	1.7	20	4	87	.15	3	0.9	0.6	18	INT L
		6	0 8	3.93	19	24.42	155	17.47	7.60	2.1	2.3	1.5	22	6	54	.13	1	0.7	0.6	16	INT L
		6	125	53.51	19	18.15	155	13.44	10.12	2.6	2.6	2.7	56	9	135	.11	8	0.4	0.4	52	SF2
		6	334	7.34	19	25.85	155	15.28	6.72	1.9	2.0	1.4	22	6	176	.16	3	0.9	0.6	16	INT L
		6	643	41.25	18	48.22	155	13.79	39.63	2.9	2.7	2.6	53	7	266	.12	47	1.2	1.7	52	LOI
		6	8 9	27.72	19	21.50	155	2.01	8.88	3.7	3.7	3.9	56	6	150	.11	3	0.5	0.3	51	SF5 F
		6	949	12.18	19	25.71	155	14.99	6.53	2.0	1.8	1.4	16	4	210	.12	2	1.1	0.6	15	INT L
		6	1139	12.28	19	49.26	156	3.19	8.20		1.5	1.4	16	1	327	.21	46	3.5	3.2	15	HUA
		6	12 5	39.21	19	24.46	155	16.02	11.21	2.5	2.4	1.8	22	6	92	.11	1	1.0	0.5	15	INT L
		6	1214	39.49	19	26.13	155	14.25	2.15	1.8		1.5	20	4	216	.18	3	0.6	0.9	16	SNC L
		6	1223	25.85	19	28.99	155	25.95	1.99		1.4	1.3	20	4	100	.15	5	0.3	0.9	17	KAO L
		6	1225	40.89	19	29.66	155	26.53	3.43	2.6	2.5	2.0	52	8	42	.14	5	0.3	0.9	46	KAO
		6	1229	21.10	19	28.62	155	25.75	1.98	1.4	1.2	1.2	18	3	84	.10	5	0.3	0.9	17	KAO
		6	1230	18.85	19	24.20	155	16.71	6.61	2.0	2.0	1.4	18	3	77	.13	1	0.7	0.6	16	INT L
		6	1245	11.50	19	24.70	155	15.76	10.03	1.8	1.3	1.3	18	3	105	.08	2	0.9	0.5	16	INT L
		6	1332	44.82	19	24.74	155	15.82	9.41	2.3	2.6	1.8	19	4	106	.11	2	0.9	0.6	16	INT L
		6	1413	38.60	19	6.49	155	23.88	33.49	2.0	1.7	1.9	48	4	189	.10	9	0.9	0.7	44	LOI
		6	1418	22.69	19	25.03	155	15.11	9.32	2.4	2.6	1.7	20	4	143	.11	2	0.9	0.5	17	INT L
		6	1447	53.03	19	24.92	155	16.14	12.33	1.8	1.8	1.4	15	1	107	.11	1	0.9	1.1	16	INT L
		6	1640	0.85	19	25.79	155	15.66	9.09	2.2	2.4	1.6	20	4	156	.11	3	1.0	0.5	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	6	1757	2.46	19	24.53	155	17.20	12.30	2.0	1.4	1.4	18	3	60	.18	1	1.1	1.0	15	INT L
		6	19 6	18.31	19	25.49	155	15.42	9.66	2.5	2.6	1.8	21	5	89	.13	2	0.7	0.6	19	INT L
		6	1923	3.25	19	23.70	155	16.56	9.53	2.1	1.8	1.3	19	4	66	.10	0	0.7	0.6	16	INT L
		6	1939	25.58	19	57.70	155	29.73	33.71	2.9	2.6	2.3	56	5	174	.12	18	0.6	0.9	51	KEA
		6	2022	47.85	19	26.01	155	15.71	7.01	2.3	2.5	1.8	21	5	162	.18	3	1.0	0.8	16	INT L
		6	2111	20.19	19	20.82	155	11.47	9.10	2.4	2.8	2.5	58	7	71	.13	4	0.4	0.4	52	SF3
		6	2248	37.74	19	21.73	155	28.84	3.69	2.2	2.2	1.8	42	3	40	.13	3	0.3	0.6	42	KAO
		6	2259	4.12	19	26.30	155	16.84	10.20	2.1	2.3	1.6	18	4	119	.15	2	1.0	0.9	1	INT L
		6	2351	3.26	19	26.66	155	15.61	9.10	1.9	1.9	1.3	18	5	189	.10	3	1.2	0.6	1	INT L
		7	054	31.51	19	31.97	155	37.97	10.34	1.9	1.1	1.2	37	3	48	.14	5	0.4	0.5	34	MLO
		7	129	50.86	19	25.94	155	16.82	6.81	2.2	2.6	1.6	20	3	115	.22	2	1.0	0.9	2	INT L
		7	151	1.22	19	21.39	155	16.10	5.15	1.7	1.2	1.3	13	4	239	.11	2	1.1	1.3	1	SF1 L
		7	4 1	37.48	19	25.38	155	15.85	8.76	2.2	2.3	1.6	8	1	200	.06	2	3.0	2.8	1	INT L
		7	541	55.08	19	22.90	155	16.79	8.08	1.9	2.2	1.3	15	5	80	.14	1	1.0	1.4	1	INT L
		7	735	8.71	19	24.04	155	18.09	10.47	2.0	1.9	1.4	11	2	130	.05	2	1.4	1.0	1	INT L
		7	915	20.02	19	25.19	155	15.68	10.60	2.0	1.6	1.2	15	5	130	.12	2	1.2	0.9	0	INT L
		7	915	58.21	19	18.75	155	13.24	7.57	1.8	1.5	1.6	31	4	83	.09	3	0.4	0.7	18	SF2
		7	1152	54.16	19	26.85	155	14.28	3.70	2.0	1.8	1.5	10	4	249	.06	4	0.6	1.3	1	SNC L
		7	16 8	16.55	19	25.31	155	15.42	9.56	2.1	2.2	1.5	14	1	146	.11	2	1.0	1.2	1	INT L
		7	1844	29.67	19	12.12	154	31.76	42.66	2.8	2.2	2.5	37	0	311	.08	44	7.7	3.1	26	DIS
		8	0 5	41.24	19	26.92	154	55.62	6.07	1.2	1.8	1.7	40	3	142	.12	1	0.7	0.4	38	LER
		8	043	56.89	19	24.58	155	15.79	13.21	2.4	2.6	1.7	18	3	100	.14	2	1.3	0.7	16	DEP L
		8	058	59.96	19	25.33	155	16.13	10.48	2.4	2.4	1.7	22	5	121	.12	2	1.0	0.5	17	INT L
		8	112	48.35	19	25.16	155	14.42	13.30	2.2	2.3	1.5	15	3	209	.11	1	1.3	0.7	15	DEP L
		8	211	25.60	19	24.41	155	16.19	9.49	2.6	3.0	1.7	17	3	88	.15	1	1.0	0.7	16	INT L
		8	657	1.92	19	24.65	155	16.98	9.80	2.5	2.9	1.7	22	5	84	.13	0	0.8	0.5	18	INT L
		8	717	12.26	19	23.72	155	17.52	10.22	2.2	2.1	1.5	18	4	60	.16	1	0.9	0.9	16	INT L
		8	744	26.80	19	24.19	155	15.76	9.47	2.1	2.0	1.5	19	5	83	.11	2	0.9	0.5	15	INT L
		8	911	59.94	19	24.45	155	17.82	8.90	2.4	2.8	1.7	20	5	57	.18	2	0.9	0.8	16	INT L
		8	1033	55.92	19	20.95	155	6.58	6.52	1.9	2.0	1.8	50	8	94	.12	5	0.4	0.5	44	SF4
		8	1113	17.07	19	24.61	155	15.90	5.63	2.3	2.8	1.8	21	4	100	.07	2	0.6	0.4	17	INT L
		8	1151	20.10	19	27.04	154	53.89	7.20	2.2	2.1	2.2	51	6	150	.13	3	0.6	0.3	46	LER
		8	13 6	7.84	19	23.37	155	17.25	7.99	2.5	2.9	1.9	19	4	58	.13	1	0.7	0.8	16	INT L
		8	17 3	46.79	19	24.79	155	14.37	13.76	2.5	2.6	1.8	11	4	229	.12	0	2.3	1.1	1	DEP L
		8	1820	20.97	19	18.82	155	15.14	8.63	1.9	2.1	1.8	35	2	104	.10	4	0.5	0.7	25	SF1
		8	2118	50.69	19	19.55	155	13.23	5.26	1.7	1.3	1.5	43	6	73	.14	5	0.3	0.7	37	SF2
		8	2317	5.92	19	25.45	155	17.08	8.01	2.5	3.2	1.7	20	4	97	.14	1	0.9	0.4	16	INT L
		9	026	44.26	19	24.43	155	17.24	11.99	2.5	2.8	1.5	22	6	59	.12	1	0.9	0.6	16	INT L
		9	259	5.71	19	23.37	155	17.88	7.02	2.4	2.6	1.8	17	4	67	.12	2	0.6	0.9	16	INT L
		9	310	12.21	19	22.60	155	29.84	8.99	1.6	1.2	1.4	43	5	34	.14	4	0.3	0.5	38	KAO L
		9	452	51.21	19	15.55	155	22.98	7.36	1.6	1.1	1.2	31	5	154	.12	3	0.4	0.6	28	SWR
		9	5 5	42.39	19	25.48	155	15.81	8.09	2.4	2.6	1.7	21	5	138	.11	2	0.9	0.5	16	INT L
		9	6 2	31.73	19	24.43	155	16.54	10.41	1.9	1.6	1.3	20	4	85	.15	1	0.9	0.7	16	INT L
		9	7 2	3.21	19	25.74	155	15.95	9.61	2.2	2.3	1.5	19	5	142	.11	2	0.9	0.5	15	INT L
		9	819	56.51	19	24.70	155	16.88	10.90	2.0	1.9	1.3	19	5	87	.13	0	1.0	0.5	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	9	953	56.74	19	25.09	155	16.66	9.93	2.5	3.0	1.9	23	9	100	.10	1	0.6	0.5	13	INT L
		9	1013	3.21	19	25.58	155	16.13	9.10	1.8	1.6	1.3	20	8	131	.08	2	1.0	0.7	12	INT L
		9	1449	32.70	19	26.40	155	16.72	13.77	2.4	2.7	1.9	12	2	126	.08	3	1.2	1.6	1	DEP L
		9	1853	1.48	19	18.11	155	14.98	8.88	1.5	1.2	1.3	21	0	132	.05	3	0.5	1.2	16	SF1
		9	1916	20.37	19	24.47	155	15.63	13.51	2.2	2.7	1.3	18	4	96	.13	2	1.1	0.6	3	DEP L
		9	22 0	9.15	19	25.35	155	16.91	11.05	2.6	3.1	1.3	25	9	61	.09	1	0.6	0.4	14	INT L
		10	227	59.57	19	21.60	155	3.35	6.58	2.0	1.9	2.1	45	4	103	.12	3	0.5	0.6	45	SF5
		10	338	38.92	19	23.46	155	16.37	9.63	2.1	2.4	1.5	22	6	60	.13	1	0.8	0.7	16	INT L
		10	938	42.16	19	25.06	155	14.60	14.68	2.2	2.1	1.6	16	6	212	.13	1	1.6	0.8	11	DEP L
		10	1110	28.42	19	18.66	155	46.55	10.86	2.6	2.5	2.3	42	2	82	.13	11	0.6	0.4	41	KON
		10	1357	52.19	19	22.01	155	18.45	7.06	2.1	1.7	1.3	9	2	215	.12	5	1.4	3.3	1	SWR L
		10	1433	59.94	19	26.62	155	30.36	9.16	2.3	1.8	1.7	28	4	43	.10	9	0.4	1.1	17	KAO
		10	1543	54.77	19	43.61	156	19.39	38.69		1.9	1.7	14	1	314	.08	51	3.7	3.1	7	HUA
		10	16 1	24.36	19	21.38	155	24.86	13.69	2.0	1.6	1.7	44	6	46	.11	4	0.5	0.5	26	DEP
		10	1651	43.53	19	25.46	155	19.32	7.81	1.8	1.6	1.4	23	5	78	.11	3	0.6	0.8	15	KAO
		10	1830	38.77	19	23.24	155	18.88	10.10	2.2	2.1	1.5	9	3	233	.13	3	2.3	1.5	0	INT L
		10	1936	48.76	19	20.13	155	13.62	6.79	1.4	1.1	1.4	31	2	69	.12	5	0.4	0.7	26	SF2
		10	2351	56.08	19	24.12	155	18.12	9.67	2.6	2.9	1.7	17	2	103	.11	2	0.8	0.9	16	INT L
		11	549	48.01	19	26.33	155	14.40	2.33	1.8	1.8	1.3	17	2	216	.11	3	0.5	0.8	15	SNC L
		11	9 8	49.36	19	20.70	155	13.03	8.98	2.6	2.6	2.8	57	6	63	.13	4	0.4	0.3	53	SF2
		11	1044	30.49	19	21.77	155	5.10	7.69	1.9	2.0	2.0	45	10	80	.13	5	0.4	0.6	39	SF5
		11	11 8	4.64	19	21.66	155	4.98	6.37	1.6	1.4	1.7	35	6	82	.14	5	0.5	0.8	30	SF5
		11	2337	6.34	19	25.22	155	16.15	7.96	2.4	2.8	1.8	19	4	117	.11	2	0.8	0.5	16	INT L
		11	2351	56.31	19	25.44	155	15.80	7.26	2.1	1.8	1.4	16	1	137	.12	2	0.7	0.7	16	INT L
		12	043	27.08	19	24.24	155	16.64	8.44	2.1	1.9	1.3	20	4	78	.18	1	0.9	0.7	16	INT L
		12	448	22.63	19	24.24	155	18.24	12.93	2.7	2.9	1.8	20	5	62	.14	2	1.0	0.8	16	INT L
		12	523	50.32	19	23.54	155	30.11	10.16	2.3	2.3	2.1	49	4	33	.11	5	0.4	0.4	46	KAO
		12	6 2	29.09	19	25.26	155	13.52	6.52	2.1	2.0	1.5	19	3	220	.17	2	0.9	0.9	16	SF2 L
		12	741	14.89	19	24.94	155	16.29	11.09	2.6	2.8	1.7	20	5	105	.12	1	1.0	0.5	16	INT L
		12	1056	19.25	19	25.58	155	16.86	6.88	2.0	2.2	1.4	11	1	106	.07	1	0.8	1.5	3	INT L
		12	1236	26.15	19	25.17	155	16.88	11.14	1.9		1.3	13	4	97	.15	1	1.6	1.1	1	INT L
		12	1617	35.06	19	28.20	155	14.11	3.36	1.7		1.3	11	2	265	.15	5	1.3	2.0	1	GLN L
		12	1627	38.39	18	56.81	155	6.61	16.44	2.1	1.4	1.8	42	7	275	.19	38	1.9	17.2	35	LOI *
		12	18 9	19.87	19	24.30	155	17.21	9.60	2.6	2.6	1.7	21	7	71	.12	1	0.8	0.6	12	INT L
		12	1916	29.90	19	22.46	155	17.96	10.39	2.2	2.1	1.5	17	9	243	.12	2	1.4	1.1	8	INT L
		12	1944	42.52	19	8.94	155	37.93	9.51	3.3	3.6	3.3	54	9	107	.21	11	0.5	0.7	51	LSW
		12	1957	48.01	19	25.26	155	15.95	9.14	1.7	2.0	1.3	18	8	125	.11	2	0.9	0.7	12	INT L
		12	2036	0.14	19	25.67	155	16.33	8.03	2.1	2.5	1.3	19	6	125	.13	2	0.8	0.7	12	INT L
		12	2116	55.51	19	25.77	155	15.60	8.59	1.7	2.0	1.2	18	7	158	.10	3	0.9	0.7	11	INT L
		12	22 0	5.10	19	24.18	155	17.06	10.40	2.8	3.1	1.6	26	9	54	.17	1	0.7	0.7	16	INT L
		12	2220	46.64	19	22.87	155	29.87	8.56	1.9	1.6	1.6	35	3	50	.11	4	0.5	0.8	32	KAO
		12	2256	58.20	19	26.01	155	16.79	8.08	2.1	2.2	1.4	20	8	116	.12	2	0.9	0.6	11	INT L
		12	2318	24.27	19	24.92	155	16.98	9.68	2.1	2.0	1.3	19	7	90	.10	0	1.1	0.9	14	INT L
		13	0 0	50.41	19	22.36	155	18.31	6.84	2.0	1.8	1.3	13	4	240	.13	3	1.5	1.1	10	INT L
		13	052	12.37	19	24.87	155	16.81	9.53	2.5	2.6	1.8	24	9	145	.15	0	0.9	0.6	14	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	13	227	51.77	19	24.12	155	17.81	11.54	2.3	2.3	1.4	18	6	89	.16	2	1.3	0.9	11	INT L
		13	353	8.93	19	25.31	155	16.42	8.14	2.6	2.7	1.9	25	10	119	.11	1	0.6	0.5	15	INT L
		13	437	36.55	19	25.13	155	18.02	11.12	2.2	2.4	1.4	16	5	100	.11	1	1.1	0.8	13	INT L
		13	554	16.25	19	26.28	155	15.76	9.45	2.2	2.4	1.5	20	8	169	.10	3	0.9	0.7	11	INT L
		13	634	43.28	19	24.80	155	16.35	10.02	2.4	2.8	1.7	22	9	98	.12	1	0.9	0.7	12	INT L
		13	836	29.80	19	25.83	155	16.30	9.67	2.4	2.6	1.6	16	4	131	.13	2	0.9	0.9	12	INT L
		13	949	1.99	19	24.75	155	16.46	10.22	2.1	2.0	1.3	17	8	146	.13	1	1.7	0.9	10	INT L
		13	1030	30.14	19	25.87	155	16.76	9.50	2.1	1.9	1.4	18	6	115	.10	2	1.2	0.7	10	INT L
		13	1259	11.76	19	25.30	155	17.40	9.02	2.6	2.8	1.8	17	4	71	.13	0	0.9	1.0	14	INT L
		13	1620	12.09	19	24.18	155	17.61	10.06	1.9	1.9	1.2	17	8	179	.12	2	1.5	0.8	10	INT L
		13	1656	38.23	19	21.37	155	1.12	6.69	2.8	3.0	3.1	50	11	173	.12	4	0.6	0.5	47	SF5
		13	1939	34.53	19	20.12	155	11.58	8.18	1.8	1.4	1.7	35	3	82	.12	5	0.5	0.7	37	SF3
		13	2312	31.36	19	23.94	155	16.84	14.69	2.0	1.6	1.3	14	3	80	.13	1	1.8	1.2	1	DEP L
		13	2353	39.14	19	24.83	155	17.01	12.69	2.6	2.9	1.7	14	1	85	.12	0	1.3	2.7	0	INT L
		14	0 7	9.88	19	21.01	155	16.03	8.92	2.3	2.0	1.4	15	2	205	.27	3	1.7	2.6	1	SF1 L
		14	112	30.46	19	24.94	156	13.93	30.39		2.1	2.1	27	3	261	.14	34	2.2	1.4	15	KON
		14	2 5	30.41	19	24.06	155	18.56	11.45	2.6	2.9	1.7	14	3	71	.13	3	0.7	0.8	1	INT L
		14	557	36.72	19	25.02	155	16.06	13.15	2.5	2.9	1.6	17	5	116	.15	3	1.3	0.9	1	DEP L
		14	13 0	40.94	19	25.19	155	16.61	10.15	2.6	2.9	1.7	13	2	81	.17	2	1.1	1.3	3	INT L
		14	1646	45.89	19	24.34	155	17.49	0.39	1.2	1.8	1.3	13	0	64	.10	1	0.2	0.4	2	SSC L
		14	1810	12.78	19	47.04	155	7.57	38.11	2.6	1.7	1.8	39	5	198	.10	26	0.6	1.4	22	KEA
		14	1935	17.38	19	25.35	155	14.34	12.16	2.2	2.2	1.5	14	2	241	.19	1	2.2	1.0	2	INT L
		14	2127	6.73	19	24.25	155	16.45	9.63	2.0	1.6	1.2	16	3	80	.13	2	0.9	0.6	15	INT L
		14	2335	19.50	19	22.45	155	19.03	9.42	1.8	1.6	1.1	19	5	95	.14	3	0.8	1.3	15	KAO L
		15	055	38.13	19	26.50	155	14.71	6.85	1.8	1.7	1.2	20	5	213	.18	3	1.0	0.8	15	INT L
		15	527	26.25	19	25.88	155	16.07	6.75	2.1	2.1	1.2	16	5	142	.07	2	0.8	0.5	14	INT L
		15	852	39.77	19	21.88	155	26.69	10.04	2.4	2.4	2.1	45	7	45	.12	2	0.3	0.4	41	KAO
		15	1030	54.96	19	21.52	155	1.85	9.40		1.4	1.6	36	6	162	.13	4	0.6	0.5	33	SF5
		15	12 6	16.69	19	20.57	155	11.90	8.00	2.1	2.0	2.2	47	9	73	.12	4	0.4	0.5	42	SF3
		15	1331	1.68	19	19.73	155	7.91	7.72		1.1	1.4	23	2	94	.09	4	0.5	1.1	14	SF4
		15	1642	24.57	19	25.25	155	15.22	20.20	2.0	1.9	1.4	11	2	152	.06	2	2.0	3.0	2	DEP L
		15	17 1	4.09	19	19.87	155	6.81	7.98	1.6	1.6	1.6	32	2	115	.10	5	0.5	0.9	28	SF4
		16	231	21.35	19	18.05	155	30.22	9.03	2.2	1.9	1.9	46	6	43	.15	6	0.3	0.6	40	LSW
		16	548	50.77	19	20.42	155	11.05	8.84		1.2	1.4	35	6	78	.10	4	0.4	0.5	31	SF3
		16	826	48.28	19	22.11	155	29.88	9.66	2.0	1.2	1.4	36	4	34	.14	4	0.4	0.7	32	KAO
		16	1214	42.13	19	12.28	155	22.40	2.90		1.1	1.4	22	5	182	.13	5	0.6	0.9	17	SWR
		16	1647	4.34	19	29.49	155	50.42	9.22	2.1	1.3	1.5	23	2	221	.14	8	1.7	0.6	15	KON
		16	19 2	43.40	19	21.92	155	29.07	9.66	1.9	1.9	1.7	41	1	41	.11	3	0.3	0.6	29	KAO
		16	2357	45.21	19	21.82	155	4.11	8.32	1.7	1.2	1.5	32	5	93	.12	4	0.5	0.5	30	SF5
		17	1 7	16.78	20	17.38	155	32.27	25.38	3.1	3.1	2.7	55	7	265	.12	31	0.6	1.5	53	KEA
		17	812	31.50	19	19.70	155	7.81	7.94		2.2	1.8	45	8	97	.11	4	0.4	0.4	40	SF4
		17	1736	50.53	19	26.35	155	16.04	25.69	1.7	1.6	1.6	44	6	92	.09	3	0.7	0.8	31	DEP
		17	2333	44.59	20	5.59	156	4.88	36.05		1.9	1.8	44	7	277	.11	32	0.9	0.8	40	KOH
		18	248	22.03	19	18.07	155	26.31	10.07	1.9	1.7	1.6	47	6	56	.16	7	0.4	0.5	44	LSW
		18	1553	45.76	19	25.42	155	15.72	14.23	2.5	2.2	1.5	19	5	139	.11	2	1.1	0.6	1	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	18	1941	0.02	19	25.50	155	14.56	11.53	2.5	2.8	1.2	13	2	189	.24	2	2.1	2.3	0	INT L
		18	1956	50.63	19	27.06	155	18.40	14.29	2.0	1.6	1.3	15	4	196	.11	3	2.2	0.8	1	DEP L
		18	2254	18.15	19	29.89	155	27.02	5.14	1.5	1.3	1.1	38	6	75	.14	4	0.3	1.5	33	KAO
		18	2257	17.12	19	25.06	155	15.92	8.21	2.1	2.6	1.5	17	3	118	.11	2	0.8	0.4	16	INT L
		18	23 4	20.39	19	23.58	155	15.80	12.16	2.0	1.9	1.4	17	3	134	.10	2	1.0	0.6	16	INT L
		19	341	54.52	19	28.76	155	36.37	12.80	2.1	1.4	1.0	22	3	97	.14	1	0.6	0.4	20	MLO
		19	1049	50.03	19	25.89	155	15.46	5.43	2.1	2.4	1.6	10	1	169	.07	3	0.8	1.2	1	INT L
		19	1516	11.80	19	20.33	155	12.22	8.68	2.2	2.1	2.6	48	5	74	.13	5	0.4	0.4	37	SF3 L
		19	16 6	51.82	19	24.69	155	15.75	8.32	1.5	1.4	1.2	17	3	105	.12	2	0.9	0.6	15	INT L
		19	1716	33.93	19	27.91	155	8.30	4.49	2.3	2.2	1.6	15	3	310	.13	16	2.3	13.7	14	GLN L*
		19	1753	24.60	19	31.38	155	43.23	8.96	2.3	1.3	1.6	34	4	66	.12	5	0.6	0.6	34	KON
		19	1941	46.57	19	30.19	155	27.45	5.82	3.2	3.2	3.5	61	12	58	.11	3	0.2	0.6	52	MLO
		19	2023	54.23	19	30.42	155	27.33	5.04	1.9	1.6	1.5	27	6	90	.13	3	0.4	1.0	23	MLO
		20	138	26.86	19	23.06	155	18.28	9.03	1.8	1.7	1.3	14	2	103	.06	2	0.8	1.0	14	INT L
		20	231	28.83	19	26.60	155	14.82	6.21	2.2	2.7	1.7	18	4	225	.08	4	1.0	0.8	15	INT L
		20	315	11.01	19	25.94	155	14.48	7.36	1.8	1.7	1.3	19	5	206	.12	2	0.9	0.6	15	INT L
		20	1210	51.65	19	18.83	155	11.20	7.37	2.0	2.0	1.8	47	9	115	.12	5	0.3	0.5	40	SF3
		20	1314	17.70	19	25.03	155	15.92	10.49	2.1	1.7	1.4	18	3	117	.12	2	1.0	0.5	15	INT L
		20	1642	15.13	19	25.50	155	14.21	0.70	2.0	2.2	1.4	17	4	204	.10	5	0.4	0.8	16	SNC L
		20	19 8	45.62	19	25.03	155	16.01	8.02	2.3	2.9	1.7	16	2	114	.10	2	0.8	0.6	16	INT L
		20	23 0	48.84	19	25.26	155	16.30	12.48	2.4		1.4	19	7	115	.10	1	1.6	0.6	2	INT L
		21	059	30.87	19	26.58	155	19.36	1.02	2.0	2.6	1.7	10	3	167	.12	3	2.2	0.8	3	KAO L
		21	322	13.78	19	23.11	155	16.25	2.67	2.2	2.4	1.6	22	6	55	.16	1	0.3	0.3	17	SEC L
		21	842	3.65	19	26.84	155	14.92	8.34	2.4	2.5	1.4	17	5	194	.12	4	0.8	1.3	2	INT L
		21	1137	1.91	19	26.50	155	15.32	11.25	2.1	1.9	1.5	18	7	195	.09	3	1.3	0.7	2	INT L
		21	1141	57.67	19	23.89	155	30.47	9.24	2.0	1.4	1.6	33	2	40	.10	6	0.4	0.7	22	KAO
		21	1638	24.71	19	26.92	155	15.60	11.20	2.5	2.9	1.6	11	3	200	.11	2	1.4	1.1	1	INT L
		21	20 7	56.93	19	25.37	155	19.20	6.37	2.5	2.3	1.6	38	9	76	.11	3	0.3	0.5	22	KAO L
		21	2353	24.60	19	20.45	155	11.66	8.16	1.7	1.2	1.5	39	5	76	.09	4	0.5	0.4	37	SF3
		22	0 0	39.90	19	58.31	155	19.90	7.46	2.2	1.6	1.8	25	1	252	.10	9	1.7	0.6	24	KEA
		22	3 4	57.92	19	26.21	155	14.32	4.52	2.2	2.6	1.7	18	3	216	.13	3	0.7	1.3	15	SNC L
		22	319	27.16	19	17.56	155	28.54	9.66	1.7	1.2	1.5	38	4	48	.13	5	0.3	0.6	36	LSW
		22	621	1.54	19	24.68	155	16.13	10.28	2.5	2.6	1.8	21	5	99	.17	2	1.1	0.6	16	INT L
		22	827	2.12	19	24.90	155	15.85	3.35	2.1	2.6	1.8	22	3	74	.12	2	0.4	0.3	19	SNC L
		22	1246	55.18	19	27.38	155	19.84	10.27	2.2	2.2	1.5	18	10	272	.19	5	1.7	1.0	11	KAO L
		22	1723	10.05	19	26.13	155	14.53	10.44	2.4	2.6	1.4	14	3	182	.13	5	1.5	1.2	0	INT L
		22	2129	27.68	19	26.05	155	14.71	5.94	2.4	2.5	1.7	20	4	202	.12	3	0.7	0.8	16	INT L
		23	044	48.04	19	25.87	155	14.33	9.75	2.4	2.0	1.6	20	5	209	.15	2	1.2	0.8	16	INT L
		23	5 6	26.64	19	24.59	155	16.85	7.57	2.3	2.7	1.7	21	5	85	.10	1	0.8	0.4	16	INT L
		23	840	51.13	19	23.61	155	17.70	7.82	2.4		1.7	20	6	63	.14	1	0.9	1.0	16	INT L
		23	1151	25.65	19	24.31	155	16.58	12.46	2.6	3.3	1.7	17	5	81	.12	1	1.0	0.7	12	INT L
		23	12 9	19.69	19	25.09	155	16.58	11.43	2.3	2.0	1.7	16	6	102	.06	1	0.9	0.6	14	INT L
		23	1447	46.90	19	27.53	155	15.34	11.77	2.6	2.7	1.6	25	6	204	.17	2	1.2	0.8	1	INT L
		23	1637	50.28	19	26.58	155	15.64	8.04	2.4	2.2	1.4	17	1	152	.15	3	0.8	1.2	0	INT L
		23	1918	47.83	19	24.85	155	17.32	10.53	1.9		1.2	21	6	92	.13	1	0.8	0.6	1	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	23	2051	26.26	19	26.37	155	14.31	10.54	1.9	1.7	1.4	19	4	238	.14	3	1.3	0.7	1	INT L
		23	23 9	19.01	19	26.50	155	14.07	1.89	2.1	2.6	1.7	21	5	228	.17	3	0.6	0.9	16	SNC L
		23	2317	23.35	19	24.89	155	16.39	8.43	2.1	1.9	1.5	21	5	101	.15	1	0.9	0.5	16	INT L
		23	2340	4.38	19	24.69	155	16.01	8.97	1.8	1.6	1.2	21	5	101	.12	2	0.8	0.5	16	INT L
		24	223	26.19	19	25.03	155	16.67	6.97	2.1	2.3	1.6	18	2	98	.17	1	0.8	0.6	16	INT L
		24	342	22.29	19	24.80	155	15.54	10.66	2.6	2.9		22	6	115	.14	2	1.1	0.6	16	INT L
		24	352	39.79	19	26.34	155	14.60	9.81	2.3	2.5	1.6	20	4	212	.11	3	1.0	0.6	16	INT L
		24	5 5	39.90	19	12.53	155	29.33	8.78	2.6	2.3	2.2	48	5	125	.14	5	0.4	0.3	45	LSW
		24	514	10.36	19	24.22	155	17.70	7.61	2.0	1.6	1.4	17	2	57	.14	2	0.7	0.9	16	INT L
		24	644	35.35	19	26.67	155	16.27	11.28	2.1	2.2	1.4	21	5	156	.12	2	1.1	0.5	16	INT L
		24	8 1	41.68	19	24.48	155	18.02	9.18	2.3	2.6	1.8	22	6	59	.16	2	0.8	0.7	16	INT L
		24	854	25.55	19	29.21	155	26.24	5.75	2.2	1.6	1.5	46	13	66	.12	5	0.3	0.9	33	KAO L
		24	956	20.86	19	24.68	155	16.10	6.43	2.2	2.5	1.6	17	1	100	.10	2	0.6	0.8	16	INT L
		24	1140	52.34	19	25.42	155	17.90	8.47	2.3	2.4	1.6	17	7	85	.11	1	0.8	0.4	9	INT L
		24	14 3	33.91	19	25.63	155	16.32	12.01	2.1	2.2	1.6	19	7	124	.05	2	1.0	0.8	13	INT L
		24	1434	24.91	19	24.56	155	16.43	12.40	2.5	2.8	1.8	19	6	90	.08	1	1.2	0.6	14	INT L
		24	1717	35.94	19	25.95	155	17.18	11.47	2.5	2.7	1.3	18	6	101	.09	1	1.1	0.6	1	INT L
		24	2010	37.11	19	25.04	155	19.43	6.39	2.4	1.8	1.5	31	6	68	.09	3	0.3	0.6	23	KAO
		24	2151	3.68	19	25.31	155	15.77	12.57	2.6	3.0	1.8	22	4	133	.10	2	1.0	0.5	19	INT L
		24	2244	42.04	19	23.59	155	16.16	11.24	2.2	2.0	1.1	19	4	111	.11	1	0.9	0.8	16	INT L
		25	033	13.00	19	24.55	155	17.22	11.38	2.6	2.8	1.7	18	4	56	.12	1	1.0	0.5	15	INT L
		25	2 6	48.96	19	25.89	155	14.62	10.13	2.0	1.7	1.3	17	2	201	.18	2	1.5	1.1	16	INT L
		25	343	50.08	19	25.49	155	15.89	4.91	2.3	2.5	1.7	15	0	136	.14	2	0.7	1.1	15	SNC L
		25	514	39.82	19	19.92	155	21.75	28.49	2.1	1.8	1.8	46	6	78	.13	3	0.6	0.7	41	DEP
		25	7 1	31.17	19	24.63	155	17.57	11.03	2.3	1.9	1.3	17	3	54	.09	1	0.8	0.8	14	INT L
		25	935	27.05	19	24.88	155	15.64	8.84	2.6	3.2	1.7	20	4	117	.11	2	0.8	0.5	16	INT L
		25	941	56.23	19	25.60	155	14.92	11.14	1.9	1.7	1.5	15	8	185	.14	2	1.5	0.6	9	INT L
		25	947	33.92	19	24.07	155	12.69	11.35	2.2	1.7	1.4	15	9	306	.06	3	1.3	0.6	9	SF2 L
		25	10 2	23.19	19	23.05	155	24.90	13.41	1.8	1.4	1.6	37	6	38	.11	4	0.4	0.5	31	DML
		25	1030	3.31	19	25.53	155	15.21	11.80	2.6	2.8	1.8	20	12	166	.13	2	1.1	0.8	12	INT L
		25	1143	7.89	19	20.48	155	15.85	8.91	2.2	2.1	1.4	16	8	278	.09	6	1.3	1.4	10	SF1 L
		25	1221	8.64	19	22.80	155	25.55	9.82	1.8	1.2	1.4	28	5	52	.09	4	0.4	0.7	23	KAO
		25	13 7	13.78	19	23.86	155	15.57	9.26	2.2	1.9	1.5	20	7	75	.18	2	1.3	0.7	14	INT L
		25	1641	33.58	19	25.39	155	15.97	12.17	2.4	2.8	1.6	16	6	198	.08	2	1.8	0.6	3	INT L
		25	1914	49.04	19	19.19	155	8.97	7.30	1.6	1.2	1.5	27	2	91	.09	4	0.5	0.9	20	SF4
		25	20 2	9.24	19	25.13	155	14.36	11.36	2.3	2.3	1.6	17	3	193	.09	1	1.4	0.5	1	INT L
		25	2247	30.34	19	16.27	155	26.92	8.75		1.4	1.5	36	3	124	.14	6	0.5	0.6	33	LSW
		25	2249	24.71	19	24.52	155	16.18	9.95	2.2	2.3	1.5	17	3	92	.14	1	1.0	0.6	16	INT L
		26	146	14.24	19	25.88	155	15.39	7.90	2.4		1.7	19	3	172	.14	3	1.0	0.8	16	INT L
		26	147	22.43	19	25.54	155	14.30	8.73	2.4	2.7	1.7	17	3	203	.11	2	1.1	0.8	16	INT L
		26	157	45.62	19	25.87	155	16.02	7.45	1.9	1.8	1.3	18	4	144	.13	2	0.9	0.6	15	INT L
		26	211	18.25	19	25.61	155	14.94	3.33	1.6	1.5	1.2	18	3	185	.10	2	0.4	0.5	16	SNC L
		26	238	16.30	19	24.40	155	15.89	10.64	2.0	1.7	1.3	19	4	91	.11	2	0.9	0.6	16	INT L
		26	335	3.42	19	25.42	155	14.48	9.73	2.3	2.6	1.5	20	5	196	.11	1	1.1	0.7	16	INT L
		26	432	21.59	19	24.55	155	15.61	9.70	1.9	2.0	1.4	20	5	100	.08	2	0.8	0.4	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	MAY	26	540	13.41	19	26.14	155	14.06	11.29	2.0	1.9	1.4	18	3	221	.12	3	1.2	0.6	16	INT L
		26	713	57.48	19	23.37	155	16.64	7.99	2.1	1.8	1.5	19	4	54	.07	1	0.6	0.6	15	INT L
		26	914	26.60	19	25.37	155	16.78	9.05	1.9	2.0	1.2	16	3	160	.11	1	1.0	0.4	16	INT L
		26	13 2	42.57	19	23.98	155	16.12	9.51	2.5	2.3	1.8	20	5	74	.11	1	0.8	0.5	16	INT L
		26	13 4	11.38	19	24.62	155	16.63	10.50	2.3	1.9	1.6	19	4	88	.12	1	0.8	0.8	16	INT L
		26	1550	0.35	19	23.96	155	17.23	10.58	2.4	2.3	1.6	18	3	62	.15	1	1.0	1.0	16	INT L
		26	1952	51.75	19	18.14	155	14.80	7.64		1.2	1.5	33	4	116	.12	3	0.5	0.5	32	SF1
		26	2051	20.86	19	17.01	155	58.35	40.69	3.8	4.2	3.6	55	8	251	.11	11	0.7	0.9	50	KON F
		26	2317	41.82	19	24.54	155	15.60	10.58	2.5		1.7	18	3	100	.12	2	1.0	0.6	16	INT L
		27	2 3	12.49	19	18.62	155	13.60	9.33	2.7	2.6	2.9	51	6	72	.11	3	0.4	0.3	50	SF2
		27	257	42.10	19	13.68	155	29.97	6.67		1.3	1.5	39	5	71	.18	3	0.4	0.7	35	LSW
		27	654	10.86	19	25.12	155	16.65	7.15	2.3	2.6	1.3	18	3	101	.16	1	0.9	0.5	15	INT L
		27	1121	29.71	19	58.57	155	20.37	9.18	1.1	2.0	1.9	29	5	253	.12	10	0.8	0.7	26	KEA
		27	1238	15.20	19	27.57	155	49.56	9.39		1.3	1.1	20	4	120	.14	8	0.7	1.5	16	KON
		27	1246	48.70	19	24.87	155	16.58	11.16	1.9	1.7	1.3	20	5	96	.12	1	1.0	0.4	16	INT L
		27	1729	31.90	19	49.01	155	48.44	31.53		1.8	1.5	22	2	234	.10	15	1.9	1.1	21	HUA
		27	21 8	33.84	19	24.78	155	19.70	6.93	2.0	1.6	1.3	34	8	61	.13	2	0.3	0.5	26	KAO
		27	23 4	8.88	19	25.35	155	14.41	9.24	2.3	2.3	1.6	18	3	196	.11	1	1.1	0.8	15	INT L
		27	2322	9.12	19	26.16	155	13.50	7.61	1.9	1.5	1.3	17	3	234	.15	3	1.1	0.8	15	GLN L
		28	010	18.34	19	22.02	155	20.24	8.77	2.1	1.9	1.2	14	3	154	.09	6	0.7	1.2	1	KAO L
		28	046	23.03	19	25.50	155	29.14	10.84	1.6	1.5	1.4	37	4	36	.10	6	0.3	0.5	34	KAO
		28	1 0	41.39	19	18.29	154	48.55	10.52	2.6	3.0	2.7	51	8	272	.13	18	0.8	0.6	44	LER
		28	116	36.06	19	19.84	155	6.81	7.82	1.6	1.3	1.7	47	5	115	.13	5	0.5	0.5	43	SF4
		28	832	46.68	19	24.73	155	13.30	13.80			1.2	14	4	166	.13	2	1.9	0.8	1	DEP L
		28	849	19.29	19	26.55	155	16.14	11.47	2.0	2.1	1.4	13	2	159	.08	2	1.2	1.0	1	INT L
		28	1035	46.08	19	27.73	155	14.18	20.11	2.3	2.0	1.4	10	3	293	.08	6	2.7	1.6	0	DEP L
		28	1444	42.01	19	26.51	155	15.82	10.90	2.5	2.6	1.6	12	3	174	.10	3	1.1	1.1	1	INT L
		28	17 3	4.56	19	21.90	155	18.78	27.74		1.4	1.3	21	2	46	.08	4	0.9	2.0	15	DEP
		28	1943	30.28	19	25.44	155	17.55	9.25	2.4	2.6	1.1	14	2	85	.12	0	1.0	0.7	1	INT L
		28	20 6	32.46	19	12.55	155	30.47	9.63		1.2	1.5	23	0	77	.13	5	0.6	0.8	10	LSW
		28	2358	59.02	19	23.90	155	17.59	9.11	2.3	2.9	1.4	17	3	59	.14	1	0.8	0.9	16	INT L
		29	316	51.15	19	26.88	155	13.65	8.45	2.2	1.9	1.2	19	3	245	.12	4	1.1	0.8	16	GLN L
		29	6 1	16.25	19	25.21	155	16.13	10.73	2.5	3.1	1.6	23	5	118	.12	2	1.0	0.5	18	INT L
		29	833	30.92	19	25.67	155	16.21	10.92	1.9	1.6	1.3	16	2	177	.08	2	1.2	0.6	15	INT L
		29	1052	44.10	19	25.79	155	16.22	5.05	2.1	2.8	1.7	10	0	133	.08	3	0.8	1.1	1	INT L
		29	1145	52.61	19	30.67	155	55.20	10.69	2.2	1.4	1.6	21	3	262	.14	3	1.5	0.5	9	KON
		29	1646	42.92	19	25.91	155	17.44	11.23	2.5	2.8	1.6	11	4	166	.07	1	1.0	0.7	1	INT L
		29	2015	15.73	19	25.91	155	13.36	10.62	2.1	2.0	1.5	14	4	274	.18	3	1.9	1.1	1	SF2 L
		29	2147	9.31	19	23.96	155	18.57	8.11	1.9	1.7	1.2	19	4	66	.13	2	0.6	0.9	16	INT L
		29	2340	29.95	19	24.69	155	17.10	5.29	1.9	2.1	1.4	16	1	67	.07	0	0.5	0.7	16	INT L
		30	223	28.87	19	25.82	155	14.31	12.80	2.6	3.0	1.6	21	4	208	.15	2	1.3	0.7	17	INT L
		30	448	35.75	19	25.49	155	15.91	9.54	2.1	2.0	1.4	18	3	135	.14	2	1.1	0.5	16	INT L
		30	557	44.50	19	26.44	155	14.92	2.33	1.6	1.8	1.3	15	2	213	.13	3	0.5	0.8	16	SNC L
		30	630	7.06	19	20.03	155	7.96	8.25	2.1	1.7	1.9	45	6	88	.12	5	0.4	0.4	42	SF4 L
		30	740	13.88	19	24.29	155	17.72	7.85	1.8	1.9	1.2	16	4	58	.11	2	0.6	0.7	13	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	MAY	30	9 6	26.49	20	4.54	156	12.75	0.01		1.9	2.0	25	2	326	.23	58	5.9	1.3	18	KOH	*
		30	944	8.58	19	25.53	155	15.28	9.04	2.6	2.9	1.6	19	4	163	.12	2	1.0	0.8	16	INT	L
		30	10 0	30.43	19	25.38	155	16.04	11.52	2.0	1.8	1.4	13	5	202	.13	2	1.5	1.0	1	INT	L
		30	10 8	38.39	19	25.61	155	16.06	9.72	1.8	1.7	1.3	8	2	192	.04	3	1.3	0.7	0	INT	L
		30	1222	31.63	19	26.80	155	15.93	8.31	1.8	1.9	1.3	10	4	223	.14	4	1.5	1.1	1	INT	L
		30	13 6	57.60	19	20.83	155	22.09	11.59	1.8	1.6	1.4	29	4	102	.09	2	0.5	0.7	18	SWR	
		30	1336	56.45	19	26.09	155	17.83	13.87	2.6	2.8	1.6	13	3	92	.13	1	2.0	1.1	1	DEP	L
		30	1742	57.51	19	25.13	155	16.18	4.07	1.8	2.3	1.8	6	0	163	.05	1	0.8	0.8	0	SNC	L
		30	2019	2.24	19	21.44	155	2.89	8.81	2.9	3.1	3.2	53	5	121	.11	3	0.5	0.4	45	SF5	
		30	2122	0.58	19	21.85	155	18.16	10.61	2.2	2.0	1.4	12	4	172	.15	4	1.1	1.4	1	SWR	L
		30	2258	1.46	19	37.97	155	13.04	12.89	2.3	1.7	1.8	66	21	78	.14	17	0.3	0.5	47	KEA	
		31	026	10.94	19	25.12	155	15.84	7.53	1.9	1.5	1.3	19	3	123	.15	2	1.0	0.7	16	INT	L
		31	131	51.45	19	23.76	155	17.78	8.28	1.9	2.1	1.1	16	2	62	.14	2	0.7	1.0	16	INT	L
		31	3 0	40.57	19	25.33	155	14.67	8.43	2.0	2.1	1.3	19	4	188	.14	1	1.0	0.8	16	INT	L
		31	511	26.73	19	23.51	155	17.57	10.39	2.6	3.1	1.6	22	3	58	.11	1	0.6	0.7	21	INT	L
		31	511	57.85	19	20.97	155	14.94	8.88	2.7	2.8	2.4	45	8	70	.13	3	0.4	0.3	42	SF1	
		31	912	2.81	19	16.85	155	26.77	10.15		1.9	1.5	29	5	55	.12	7	0.4	0.8	26	LSW	
		31	1656	54.66	19	25.59	155	15.56	10.93	1.8	1.6	1.0	18	5	153	.11	3	1.1	0.8	10	INT	L
		31	1912	42.67	19	25.87	155	16.74	9.15	2.3	2.6	1.7	26	10	105	.13	2	0.6	0.5	18	INT	L
		31	1939	26.63	19	23.69	155	16.69	10.76	1.9	1.4	1.1	18	6	53	.18	0	1.1	0.8	14	INT	L
		31	2019	16.62	19	50.64	156	19.24	45.83		2.0	1.6	18	4	323	.10	53	4.4	3.9	15	HUA	
		31	22 6	33.09	19	26.16	155	17.10	11.46	1.9	1.6	1.2	20	6	106	.13	2	1.0	0.5	14	INT	L
		31	2256	39.45	19	21.47	155	3.07	8.54		1.4	1.3	30	3	120	.10	3	0.6	0.8	27	SF5	
		31	2321	11.38	19	25.24	155	16.57	10.19	1.7	1.6	1.0	17	6	106	.09	1	1.2	0.8	12	INT	L
	JUN	1	0 0	57.43	19	18.35	155	15.64	6.35		1.4	1.3	29	4	134	.10	4	0.4	0.8	26	SF1	
		1	141	47.27	19	26.00	155	17.85	11.07	2.1	2.0	1.4	22	9	90	.24	1	1.7	0.8	13	INT	L
		1	331	34.93	19	19.05	155	13.67	8.15	1.4	1.5	1.6	40	6	82	.12	4	0.4	0.5	35	SF2	
		1	352	39.81	19	28.53	155	26.53	9.71	2.1	1.6	1.5	43	12	84	.13	6	0.3	0.7	31	KAO	
		1	5 1	57.16	19	25.28	155	16.36	11.73	2.2	2.2	1.5	20	6	113	.12	1	0.8	0.7	14	INT	L
		1	836	56.46	19	21.36	155	2.94	9.18	3.8	4.0		57	7	118	.11	3	0.5	0.4	50	SF5	F
		1	849	11.68	19	21.14	155	2.74	7.19	1.7	1.9	1.6	34	5	129	.13	2	0.6	0.7	30	SF5	
		1	9 6	9.83	19	21.57	155	2.96	8.94	2.9	3.2	3.2	55	9	116	.11	3	0.4	0.3	48	SF5	F
		1	920	50.37	19	21.23	155	3.25	6.65	1.7	1.7	1.7	38	4	113	.13	3	0.6	0.8	35	SF5	
		1	951	38.48	19	21.45	155	3.17	7.35	2.2	2.6	2.5	44	4	109	.10	3	0.4	0.5	39	SF5	
		1	1025	59.46	19	44.68	155	2.14	0.00	2.3	2.1	1.5	19	0	264	.26	6	5.1	3.5	23	HIL	B*
		1	1056	39.37	19	24.40	155	15.39	7.83	1.6	1.7	1.3	16	6	131	.11	2	1.0	0.8	9	INT	L
		1	1122	46.94	19	20.81	155	11.58	8.06	1.7	1.8	1.7	42	9	71	.14	4	0.4	0.5	35	SF3	
		1	1239	18.62	19	19.10	155	12.69	8.33	2.6	2.9	1.8	9	0	314	.12	8	12.0	4.7	2	SF2	L*
		1	1313	15.64	19	21.82	155	3.29	6.74		1.2	1.5	28	0	106	.12	4	0.5	1.1	16	SF5	L
		1	1413	59.50	19	26.29	155	18.87	15.15	1.9	1.7	1.3	11	1	103	.12	3	1.4	2.1	0	DEP	L
		1	1432	25.19	19	25.32	155	15.55	10.34	1.9	1.6	1.2	18	6	142	.10	2	1.2	0.7	5	INT	L
		1	19 4	2.07	19	27.04	155	18.73	7.32	2.5	2.9	1.8	16	2	126	.13	4	0.7	1.0	3	INT	L
		1	1910	25.69	19	26.09	155	17.07	9.65	2.0	1.7	1.4	9	2	184	.05	2	1.3	1.0	0	INT	L
		2	310	55.00	19	27.77	155	13.45	12.47	2.2	2.2	1.7	17	5	253	.15	6	1.6	0.8	12	GLN	L
		2	811	19.04	19	17.65	155	12.99	6.21		1.4	1.6	29	4	123	.12	1	0.6	1.0	27	SF2	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	2	944	51.57	19	24.87	155	16.32	8.07	1.6		1.2	12	1	132	.11	1	1.0	1.1	1	INT	L
		2	949	19.78	19	25.06	155	15.23	14.76	2.3	2.2	1.5	14	3	140	.09	2	1.3	0.9	5	DEP	L
		2	951	40.35	19	20.39	155	8.96	6.93	1.8	1.7	1.7	38	4	70	.11	3	0.5	0.8	30	SF4	L
		2	1037	9.99	19	23.90	155	19.87	11.11	2.3	2.2	1.4	11	2	138	.12	0	1.4	1.2	1	KAO	L
		2	1253	9.77	19	25.38	155	30.63	9.59	2.0	1.6	1.5	31	3	44	.08	7	0.3	0.9	22	KAO	
		2	1648	27.15	19	23.37	155	14.50	10.90	2.7	2.7	1.8	18	5	101	.09	2	1.0	0.9	15	INT	L
		2	1932	24.91	19	25.75	155	16.96	6.67	1.9	1.8	1.3	20	6	106	.23	1	0.8	0.9	14	INT	L
		2	2055	47.35	19	24.30	155	16.20	13.12	2.1	1.9	1.4	18	8	84	.13	1	1.1	0.6	11	DEP	L
		2	2242	25.01	19	21.61	155	3.47	7.94		1.2	1.5	33	4	99	.13	3	0.5	0.7	29	SF5	
		3	044	15.38	19	22.89	155	19.40	11.11	2.4	2.6	1.5	16	5	149	.17	4	1.0	1.6	13	KAO	L
		3	358	3.26	19	25.48	155	15.48	8.19	2.1	2.2	1.5	17	6	152	.10	2	0.7	0.7	12	INT	L
		3	654	10.21	19	25.98	155	17.70	9.70	2.5	3.0	1.8	24	9	84	.16	1	0.7	0.9	16	INT	L
		3	7 7	53.25	19	24.46	155	19.23	10.57	2.2	2.4	1.5	16	5	120	.13	3	0.8	1.1	11	KAO	L
		3	818	21.04	19	26.19	155	15.76	10.45	2.1	2.6	1.7	19	7	154	.14	3	1.1	0.8	11	INT	L
		3	1244	23.31	19	26.14	155	16.36	10.10	2.3	2.1	1.5	16	5	137	.08	3	0.9	0.6	13	INT	L
		3	1527	22.87	19	23.70	155	17.66	8.44	2.1	2.2	1.5	16	7	124	.12	1	0.9	0.7	11	INT	L
		3	1937	10.79	19	24.82	155	17.24	9.69	2.4	2.9	1.7	26	13	106	.18	0	1.2	0.7	13	INT	L
		3	2053	31.58	19	26.45	155	16.12	11.15	2.1	2.2	1.6	21	8	189	.19	3	1.4	0.8	15	INT	L
		3	2215	43.43	19	15.96	155	28.70	8.81	1.7	1.4	1.5	28	6	63	.12	3	0.4	0.7	25	LSW	
		3	2241	31.90	19	24.15	155	15.97	8.87	1.9	2.0	1.3	15	4	80	.11	1	0.8	0.9	11	INT	L
		3	2328	48.76	19	19.81	155	7.08	6.69	1.6	1.7	1.5	33	5	111	.10	5	0.5	0.9	28	SF4	
		4	1 1	53.41	19	25.20	155	17.70	7.28	1.9	2.0	1.3	13	3	79	.12	0	1.0	0.8	9	INT	L
		4	218	58.46	19	23.68	155	16.54	9.56	2.4	2.7	1.7	17	6	78	.13	0	0.8	0.9	12	INT	L
		4	226	13.42	19	22.03	155	20.81	7.83	2.0	1.6	1.4	11	4	276	.10	4	1.1	2.0	1	KAO	L
		4	548	51.23	19	23.71	155	17.81	0.03	1.6	2.1	1.4	9	2	109	.16	2	0.3	0.5	0	SSC	L*
		4	832	25.41	19	25.04	155	17.24	9.08	2.4	2.7	1.7	10	0	87	.13	0	1.1	3.1	0	INT	L
		4	1022	1.44	19	24.77	155	20.41	10.57	2.1	1.9	1.3	11	2	207	.12	2	1.1	1.3	1	KAO	L
		4	1625	5.76	19	28.43	155	12.72	3.39	2.6		1.8	14	1	212	.13	7	0.9	1.8	1	GLN	L
		4	17 6	17.99	19	25.45	155	14.15	5.76	2.0	2.0	1.6	10	2	205	.29	1	2.0	3.8	1	INT	L
		4	1831	55.29	19	20.02	155	8.34	7.53	2.7	3.0	3.0	54	7	81	.11	5	0.3	0.4	49	SF4	
		4	1925	7.95	19	24.94	155	16.70	7.56	2.1	2.3	1.6	20	4	96	.19	1	0.9	0.6	16	INT	L
		4	1946	52.43	19	31.01	155	41.84	8.59	2.5	2.0	1.9	45	6	101	.13	7	0.4	0.5	40	MLO	
		4	2138	50.66	19	25.44	155	17.37	9.53	2.3	2.6	1.5	17	3	89	.13	0	0.9	0.6	16	INT	L
		5	138	41.38	19	23.50	155	17.06	8.61	2.5	2.8	1.7	20	6	63	.11	0	0.7	0.8	16	INT	L
		5	148	21.13	19	25.22	155	16.68	9.82	2.2	2.3	1.5	19	4	103	.14	1	1.0	0.5	16	INT	L
		5	2 0	53.89	19	19.98	155	17.71	33.30	1.8	1.9	1.8	49	9	78	.11	1	0.7	0.5	40	DEP	
		5	344	27.99	19	28.10	156	5.50	36.20	2.7	2.5	2.2	40	4	244	.12	18	1.4	0.7	39	KON	
		5	347	41.08	19	24.79	155	16.70	8.86	2.1	1.9	1.5	19	4	92	.09	1	0.8	0.4	15	INT	L
		5	732	47.11	19	25.05	155	16.00	7.58	2.3	2.5	1.7	17	3	116	.13	2	1.0	0.6	15	INT	L
		5	914	55.02	19	21.07	155	6.11	7.14		1.4		22	1	95	.11	5	0.6	1.4	21	SF4	
		5	1038	48.00	19	27.78	155	14.83	24.10		1.5		29	3	87	.08	6	0.6	1.0	27	DEP	
		5	1333	26.95	19	25.07	155	16.40	8.93	2.3	2.2	1.5	18	3	106	.09	1	0.7	0.4	15	INT	L
		5	1816	12.19	19	26.22	155	15.67	13.28	2.1	1.6	1.4	14	3	171	.28	3	2.6	1.1	0	DEP	L
		5	2116	44.94	19	23.47	155	17.47	10.72	2.2	1.7	1.4	16	3	77	.15	1	1.0	0.9	14	INT	L
		5	2149	6.71	19	49.88	155	43.10	19.84	3.4	3.9	3.6	59	14	131	.12	7	0.4	1.1	50	HUA	F

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUN	6	041	44.14	19	24.92	155	17.09	9.28	2.3	2.6	1.7	18	4	88	.13	0	0.9	0.5	15	INT L
		6	120	41.85	20	12.62	156	5.87	23.37		2.3	2.2	34	4	298	.15	34	1.1	2.6	30	KOH
		6	531	53.22	19	26.14	155	13.60	9.48		2.2	1.6	18	4	266	.13	3	1.3	0.7	15	GLN L
		6	846	6.63	19	24.78	155	17.65	9.65	2.5	2.8	1.7	19	5	76	.12	1	0.9	0.6	16	INT L
		6	1759	36.67	19	24.93	155	16.48	10.20	2.5	3.0	1.7	17	2	99	.11	1	0.8	1.0	2	INT L
		6	2048	16.09	19	25.16	155	17.07	13.21	2.6	3.0	1.4	19	3	92	.14	1	0.9	1.1	3	DEP L
		7	217	43.73	19	24.90	155	16.00	12.21	2.5	2.9	1.7	17	3	110	.08	2	0.9	0.5	16	INT L
		7	631	0.44	19	19.47	155	26.38	10.93		1.4	1.2	34	4	56	.13	6	0.4	0.6	31	KAO
		7	1246	51.16	19	26.86	155	15.59	8.25	2.4	3.0	1.9	21	6	198	.15	3	0.9	0.8	16	INT L
		7	1750	43.11	19	22.93	155	18.29	5.47	2.4	2.8	1.7	17	3	105	.26	3	0.8	2.0	1	INT L
		7	2013	22.74	19	26.02	155	12.64	7.56	2.1	2.1	1.3	12	4	253	.09	4	0.9	2.5	4	GLN L
		7	2015	46.51	19	23.74	155	15.24	3.25	1.7	1.1	1.5	22	6	66	.10	2	0.3	0.4	14	SEC L
		7	2243	4.67	19	24.50	155	16.62	10.43	2.1	2.1	1.2	19	3	85	.15	1	0.9	0.8	16	INT L
		7	2247	23.66	19	21.69	155	1.46	7.66		1.8	2.0	43	4	159	.12	4	0.5	0.4	41	SF5
		8	412	29.48	19	26.54	155	28.76	10.07	1.6	1.3	1.4	36	6	61	.10	7	0.3	0.6	32	KAO
		8	855	41.62	19	25.46	155	15.63	7.15	1.9	1.7	1.3	21	5	145	.12	3	0.8	0.6	16	INT L
		8	9	1 11.25	19	20.70	155	3.43	7.05	1.7	1.9	1.8	41	5	97	.13	2	0.3	0.4	40	SF5
		8	10	1 5.47	19	20.67	155	17.45	29.07		1.8	1.5	27	2	65	.09	1	0.9	1.3	18	DEP
		8	11	0 16.42	19	20.39	155	6.58	7.28	2.1	1.9	2.1	45	9	106	.10	6	0.4	0.8	33	SF4
		8	1252	35.18	19	25.91	155	13.20	8.26	2.5	2.9	1.7	13	3	200	.11	3	1.2	1.7	2	SF2 L
		8	1345	47.71	19	24.14	155	16.23	9.43	2.1	2.5	1.7	9	0	116	.12	1	1.4	2.0	0	INT L
		8	1733	56.53	19	18.40	155	13.55	7.77	1.5	1.2	1.4	20	1	86	.06	3	0.5	1.0	19	SF2
		8	2222	4.96	19	11.70	155	28.53	8.40	2.3	2.0	2.1	52	8	91	.19	4	0.4	0.5	43	LSW
		9	057	2.54	20	14.05	155	41.32	27.65		1.8	1.6	25	5	277	.10	15	1.2	0.6	21	KOH
		9	139	48.66	19	14.22	156	16.59	35.30		1.8	1.9	19	4	289	.09	43	1.4	2.5	16	KON
		9	2	8 4.86	19	23.52	155	17.95	8.88	2.2	2.5	1.5	16	3	84	.13	2	0.8	1.0	16	INT L
		9	238	41.87	19	53.22	155	33.10	21.68		1.4	1.6	32	5	130	.10	12	0.8	0.8	28	KEA
		9	247	44.54	19	22.07	155	1.79	7.36	2.0	1.4	2.0	45	5	146	.11	4	0.6	0.5	40	SF5
		9	739	53.34	19	25.39	155	17.13	8.71	2.0	1.6	1.4	22	6	95	.13	1	0.8	0.4	16	INT L
		9	1247	43.13	19	23.03	155	14.94	3.34	2.1	1.6	1.5	25	6	65	.11	2	0.3	0.3	11	SEC
		9	1252	40.06	19	25.17	155	17.07	12.10	2.2	2.0	1.4	15	3	92	.13	1	1.6	1.1	1	INT L
		9	1344	58.52	19	28.38	155	14.25	10.10	2.1	2.0	1.3	15	4	266	.13	4	1.7	1.9	3	GLN L
		9	1437	47.71	19	23.46	155	19.00	30.41	1.8	1.7	1.7	41	8	32	.11	4	0.6	0.7	19	DEP
		9	1558	8.58	19	23.88	155	18.47	9.48	2.4	2.3	1.6	20	5	67	.18	2	0.8	1.0	15	INT L
		9	1559	46.81	19	24.57	155	16.26	7.73	2.1	1.8	1.5	17	4	93	.08	1	0.8	0.5	15	INT L
		9	16	9 10.76	19	23.99	155	17.66	7.40	2.1	2.0	1.6	14	0	85	.13	2	0.8	1.6	16	INT L
		9	1636	14.84	19	17.04	155	27.41	10.02		1.4	1.1	26	5	54	.13	6	0.4	0.7	23	LSW
		9	1639	15.42	19	24.00	155	17.07	9.09	2.3	2.5	1.5	19	4	70	.17	1	0.8	0.9	16	INT L
		9	2235	19.67	19	24.81	155	17.02	9.69	2.2	1.7	1.6	18	2	83	.10	0	0.7	1.2	16	INT L
		10	246	6.33	19	26.12	155	14.34	10.04	2.4	2.3	1.7	19	4	214	.13	3	1.2	0.8	16	INT L
		10	527	59.37	19	26.01	155	16.02	8.39	2.1	1.9	1.3	19	4	148	.10	3	0.9	0.5	15	INT L
		10	7	4 12.49	19	24.98	155	16.12	6.21	2.1	1.7	1.4	19	4	110	.14	2	0.8	0.6	16	INT L
		10	17	9 18.15	19	18.47	155	22.49	9.82	1.8	1.7	1.5	46	8	101	.15	4	0.4	0.5	38	SWR
		10	1720	7.71	19	24.37	155	15.88	13.31	2.3	2.4	1.5	21	5	89	.10	2	0.9	0.5	16	DEP L
		10	2243	41.76	19	25.21	155	15.72	11.91	2.1	2.2	1.4	20	4	130	.13	2	1.1	0.5	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUN	10	2358	28.42	19	22.59	155	28.09	9.48		1.2	1.4	36	5	42	.13	1	0.4	0.5	31	KAO
		11	449	19.11	19	24.60	155	17.81	6.06	1.7	1.8	1.2	8	1	104	.03	2	1.3	0.8	1	INT L
		11	8	1 8.40	19	25.25	155	18.72	6.26		1.2	1.1	25	5	75	.11	2	0.4	0.7	13	INT
		11	1031	18.48	19	27.86	155	16.39	11.68	2.1	2.5	1.3	12	3	221	.11	1	2.3	0.9	1	INT L
		11	1445	19.24	19	17.70	155	16.67	7.81	1.8	2.0	1.7	42	8	143	.11	3	0.4	0.6	25	SF1
		11	1922	54.00	19	24.44	155	15.88	10.78	2.1	2.5	1.7	12	2	135	.19	2	2.2	1.8	4	INT L
		11	20	4 11.67	19	25.21	155	16.83	9.30	1.8	1.9	1.3	14	2	99	.09	1	1.1	0.9	1	INT L
		12	055	57.01	19	23.61	155	16.63	6.75	1.6	2.1	0.9	15	3	87	.13	1	0.8	0.8	15	INT L
		12	5	7 22.74	19	23.46	155	29.64	9.71	2.1	1.9	2.0	49	5	33	.12	4	0.3	0.4	44	KAO
		12	835	30.34	19	26.87	155	15.79	11.46	2.2	2.6	1.5	17	5	214	.13	4	1.5	0.6	14	INT L
		12	1534	36.69	19	26.08	155	35.41	16.78	3.7	4.1		54	5	49	.10	3	0.4	0.7	45	DML F
		12	2242	1.02	19	17.74	155	13.18	8.44	1.5	1.4	1.5	44	8	107	.13	1	0.4	0.4	41	SF2
		13	119	29.73	19	24.49	155	16.45	7.44	2.1	2.4	1.3	17	3	87	.15	1	0.8	0.6	16	INT L
		13	7	0 52.72	19	23.34	155	16.74	11.40	2.1	2.0	1.3	15	2	75	.12	0	0.9	0.9	15	INT L
		13	947	39.27	19	24.94	155	18.22	5.25	1.5	1.7	1.3	11	0	68	.10	1	0.6	1.1	12	INT L
		13	1146	8.03	19	24.83	155	15.75	5.64	2.0	2.1	1.5	14	2	112	.13	2	0.7	0.8	11	INT L
		13	1248	12.92	19	25.29	155	16.22	7.26	2.0	2.1	1.4	14	5	169	.11	2	0.9	0.8	9	INT L
		13	1915	48.30	19	25.31	155	16.44	9.93	2.1	1.7	1.4	22	5	112	.09	1	0.7	0.8	3	INT L
		14	1	8 35.49	19	24.41	155	16.21	8.65	1.8	1.7	1.2	15	1	88	.11	1	0.8	0.9	16	INT L
		14	321	24.87	19	24.52	155	15.14	11.26	2.0	1.7	1.2	18	4	121	.12	1	1.1	0.6	16	INT L
		14	526	7.17	19	24.68	155	16.39	5.11	1.7	1.7	1.3	17	2	93	.13	1	0.6	0.5	16	INT L
		14	1211	4.55	19	23.15	155	17.25	11.06	2.5	2.8	1.7	27	12	63	.17	1	0.8	0.7	17	INT L
		14	1219	44.65	19	26.21	155	12.57	7.76	2.0	1.5	1.4	17	8	296	.09	8	2.1	2.8	9	GLN L
		14	1320	40.47	19	26.32	155	16.80	10.24	2.2	2.3	1.5	16	6	121	.12	2	0.8	0.8	10	INT L
		14	1423	54.98	19	25.70	155	17.08	11.76	1.9	1.9	1.5	14	2	101	.12	1	1.4	1.0	3	INT L
		14	1450	26.05	19	20.50	155	29.60	3.24		1.5	1.3	13	2	93	.11	5	0.6	1.6	11	KAO
		14	1611	14.15	19	23.97	155	16.84	8.98	2.0	2.1	1.4	9	0	90	.06	0	1.2	1.9	2	INT L
		14	17	0 7.95	19	28.40	155	19.23	15.62	2.5		1.8	10	1	230	.13	5	2.0	2.8	1	DML L
		14	1923	11.39	19	27.68	155	14.57	12.61	2.5	2.8	1.7	15	4	251	.13	4	2.8	1.7	1	INT L
		14	21	2 17.89	19	24.86	155	16.61	7.82	2.2	2.6	1.5	20	4	95	.14	1	0.8	0.5	16	INT L
		14	2121	45.55	19	26.68	155	14.30	9.04	2.0	1.7	1.3	16	3	227	.12	4	1.1	0.7	16	INT L
		14	2352	48.16	19	25.53	155	14.90	6.42	2.1	2.0	1.4	20	4	183	.15	2	0.9	0.7	16	INT L
		14	2357	54.30	19	22.48	155	30.05	9.81		1.2	1.3	38	6	88	.13	4	0.4	0.5	33	KAO
		15	0	9 45.44	19	22.33	155	26.60	10.38		1.2	1.2	34	6	47	.11	2	0.3	0.4	29	KAO
		15	345	11.54	19	23.87	155	16.29	4.10	1.9	1.9	1.4	17	4	100	.11	1	0.5	0.4	16	SEC L
		15	455	20.72	19	19.60	155	9.62	6.48	1.5	1.2	1.5	38	6	90	.11	5	0.4	0.5	37	SF3
		15	559	25.52	19	22.37	155	1.72	8.11	2.1	2.2	2.0	49	8	143	.13	5	0.4	0.3	45	SF5
		15	626	19.10	19	23.96	155	18.11	11.47	2.4	2.4	1.5	18	4	63	.10	2	0.7	0.7	15	INT L
		15	653	31.99	19	24.13	155	17.07	9.62	1.9	1.9	1.3	20	5	72	.16	1	0.9	0.7	16	INT L
		15	10	8 44.42	19	24.11	155	16.75	11.17	2.3	2.5	1.6	24	10	75	.13	0	0.8	0.6	13	INT L
		15	1219	12.07	19	26.17	155	17.01	11.59	2.3	2.2	1.6	20	9	110	.11	2	1.1	0.8	10	INT L
		15	1439	52.69	19	27.77	155	18.10	2.70	1.9	2.1	1.7	11	2	156	.11	2	0.7	0.8	1	SNC L
		15	1522	48.40	19	28.13	155	17.16	7.36	2.0	1.6	1.5	7	3	313	.02	5	2.0	1.6	0	GLN L
		15	19	3 38.44	19	24.53	155	17.72	7.06	2.5	3.2	1.4	13	0	71	.16	2	0.9	2.0	1	INT L
		15	1918	10.95	19	28.16	155	16.53	10.84	2.4	2.5	1.6	13	2	247	.14	1	1.5	1.2	1	GLN L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	15	20 6	50.89	19	25.73	155	16.21	12.17	1.9	1.6	1.2	14	4	132	.15	2	1.9	1.1	2	INT	L
		15	2054	35.51	19	23.85	155	18.40	12.50	2.3	2.2	1.5	16	3	97	.11	2	1.1	0.9	16	INT	L
		15	2310	31.76	19	25.10	155	15.79	7.67	2.3	2.2	1.5	14	2	123	.09	2	0.6	0.7	15	INT	L
		15	2331	50.42	19	21.15	155	2.65	6.85	2.1	1.9	2.1	51	7	133	.13	2	0.4	0.5	47	SF5	
		16	018	50.94	19	24.67	155	22.02	10.77	2.3	2.7	2.2	55	8	42	.11	4	0.3	0.3	48	KAO	
		16	2 5	36.73	19	22.22	155	29.66	9.73	1.6	1.2	1.4	29	2	55	.11	4	0.4	0.8	20	KAO	
		16	216	55.10	19	26.46	155	15.97	11.59	2.4	2.7	1.6	14	3	165	.18	3	1.7	1.5	1	INT	L
		16	421	14.73	19	25.08	155	16.91	10.88	2.1	1.6	1.4	21	4	63	.15	0	0.8	0.8	2	INT	L
		16	6 7	5.74	19	24.67	155	16.55	8.07	2.0	1.7	1.5	19	3	91	.13	1	0.8	0.6	16	INT	L
		16	8 4	51.39	19	18.89	155	15.26	6.71	1.7	1.3	1.4	30	2	95	.12	4	0.4	1.0	19	SF1	
		16	938	19.95	19	22.30	155	4.66	8.11	2.3	2.3	2.5	43	5	82	.10	4	0.4	0.5	24	SF5	
		16	950	51.52	19	25.24	155	16.45	7.04	2.3	2.4	1.0	13	0	109	.12	1	0.9	1.5	1	INT	L
		16	1025	39.00	19	24.64	155	16.20	6.36	1.8	1.4	1.4	16	2	96	.10	1	0.6	0.8	15	INT	L
		16	1356	48.10	19	23.01	155	14.66	4.03	2.3	2.2	1.5	9	1	117	.13	2	0.7	1.0	0	SEC	L
		16	1456	12.87	19	26.31	155	13.87	2.48	2.1	2.0	1.6	19	4	228	.19	3	0.7	1.1	16	GLN	L
		16	19 9	30.63	19	25.11	155	15.57	9.20	2.5	2.7	1.8	18	3	131	.14	2	1.0	0.5	16	INT	L
		16	1917	2.57	19	22.89	155	18.30	8.72	2.0	1.7	1.4	17	4	105	.13	3	0.7	1.1	16	INT	L
		16	1951	6.19	19	24.77	155	14.94	7.31	2.1	1.8	1.5	19	3	126	.16	1	0.9	0.7	16	INT	L
		16	2130	19.31	19	25.06	155	14.47	11.72	2.4	2.1	1.6	19	5	197	.13	1	1.3	0.7	16	INT	L
		16	2146	9.95	19	29.99	155	7.09	61.25		2.8	1.4	17	5	289	.13	17	3.7	1.6	12	DEP	
		16	2352	6.88	19	24.10	155	17.52	9.11	2.3	2.1	1.5	20	6	57	.14	2	0.8	0.8	15	INT	L
		17	221	7.87	19	47.49	155	47.06	5.47	2.2	2.3		20	0	249	.16	13	2.3	1.5	26	HUA	
		17	339	13.49	19	19.10	155	12.41	1.68	1.4	1.1		23	1	94	.15	4	0.5	1.5	24	SSF	
		17	759	48.85	18	57.01	155	11.20	16.95		2.0	2.0	41	6	243	.16	37	0.9	16.6	38	LOI	*
		17	819	43.27	19	24.43	155	13.89	10.49	2.2	2.5	1.5	17	3	256	.13	1	1.2	0.7	15	SF2	L
		17	9 4	36.82	19	25.12	155	17.18	14.88	2.3	2.3	1.6	20	4	89	.18	1	1.3	0.7	16	DEP	L
		17	1048	59.35	19	24.27	155	16.83	9.08	2.3	2.6	1.6	19	5	78	.13	1	0.9	0.6	16	INT	L
		17	1342	57.07	19	19.84	155	8.26	8.61	2.1	2.5	2.1	48	6	84	.10	5	0.4	0.4	47	SF4	
		17	1350	37.36	19	23.67	155	18.00	6.70	2.4		1.7	16	1	66	.13	2	0.6	1.1	16	INT	L
		17	1435	19.22	19	19.98	155	12.45	6.70	1.4	1.5	1.6	43	7	78	.15	5	0.4	0.6	36	SF2	
		17	1525	20.68	19	24.10	155	16.98	15.19	2.5	2.3	1.6	18	2	72	.15	1	1.1	2.0	16	DEP	L
		17	1640	14.33	19	17.12	155	13.00	8.08	2.1	1.9	1.9	38	5	171	.12	1	0.5	0.7	20	SF2	
		17	19 1	23.03	19	24.38	155	18.09	12.17	2.6	2.6	1.7	21	3	58	.14	2	0.9	0.8	1	INT	L
		17	1950	50.27	19	30.75	156	29.83	2.82		1.5	1.9	13	2	302	.09	61	2.7	1.8	5	DIS	
		17	2142	55.08	19	25.12	155	18.10	6.75	2.1	2.1	1.3	10	0	144	.10	1	1.2	1.6	1	INT	L
		17	2347	1.60	19	23.82	155	15.80	0.36	2.2	2.5	1.6	11	3	133	.13	1	0.3	0.3	1	SEC	L
		18	217	12.19	19	21.35	155	1.17	7.12	2.9	2.9	3.1	51	7	172	.11	4	0.6	0.5	34	SF5	
		18	257	56.47	19	18.65	155	16.04	8.60	1.4	1.2	1.3	27	4	118	.04	4	0.4	0.8	15	SF1	
		18	4 8	49.63	19	25.12	155	15.78	12.27	2.5	3.1	1.7	19	3	78	.15	2	0.9	0.9	1	INT	L
		18	457	34.17	19	24.98	155	20.07	4.11	2.1	2.3	1.6	12	2	110	.11	2	0.6	0.9	1	KAO	L
		18	647	43.75	18	55.99	155	13.40	39.79	2.8	3.0	2.0	42	3	245	.10	36	1.8	1.7	33	LOI	
		18	9 2	28.86	19	23.38	155	27.49	10.67	1.6	1.6	1.4	28	2	60	.11	2	0.4	0.6	15	KAO	
		18	914	43.16	19	23.33	155	19.34	10.52	2.5	3.0	1.6	9	3	238	.15	5	2.2	1.1	1	KAO	L
		18	940	41.20	19	19.53	155	30.43	10.15		1.6	1.4	16	2	91	.11	7	0.5	1.0	8	KAO	
		18	12 5	54.79	19	23.64	155	18.60	12.10	2.1	2.1	1.3	14	3	112	.13	2	1.8	1.3	1	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	18	1352	31.24	19	24.51	155	16.59	6.37	1.7	2.2	1.5	9	1	129	.25	1	1.8	2.1	1	INT	L
		18	1613	5.52	19	23.74	155	15.31	12.53	2.6	3.2	1.7	15	4	220	.20	2	1.7	0.9	1	INT	L
		18	18 6	27.03	19	27.95	155	17.27	8.95	2.5		1.7	10	2	202	.13	1	2.3	1.2	2	INT	L
		18	19 1	0.40	19	23.35	155	15.57	11.59	1.9	1.7	1.2	14	4	158	.16	2	3.1	1.0	1	INT	L
		18	1943	24.14	19	24.10	155	15.78	9.22	2.0	1.9	1.3	11	2	120	.15	1	1.9	1.4	2	INT	L
		18	2138	31.44	19	22.16	155	29.77	9.76		1.2	1.3	30	6	59	.12	4	0.4	0.5	25	KAO	
		18	2140	14.43	19	24.93	155	14.03	8.60	2.3	2.5	1.6	18	4	255	.19	1	1.4	0.8	15	INT	L
		19	056	6.02	19	25.12	155	15.70	9.50	2.6	3.4	1.8	18	4	127	.15	2	1.1	0.6	15	INT	L
		19	120	13.75	19	21.79	155	4.88	8.11	2.4	2.8	2.5	50	7	79	.11	5	0.4	0.3	44	SF5	
		19	133	55.04	19	23.35	155	17.72	11.11	2.2	2.0	1.3	22	7	66	.12	1	0.8	0.7	15	INT	L
		19	249	23.71	19	26.24	155	14.82	6.12	1.7	2.1	1.1	15	1	211	.11	3	0.9	0.7	16	INT	L
		19	4 8	46.01	19	10.24	155	20.77	13.63	2.6	1.5	1.4	26	4	219	.09	9	0.9	0.6	24	DEP	
		19	531	59.16	19	24.96	155	14.68	7.48	2.2	2.5	1.5	23	8	155	.13	1	0.6	0.5	15	INT	L
		19	759	21.74	19	23.93	155	14.42	10.93	2.7	3.0	1.8	17	5	110	.12	1	1.3	0.8	13	INT	L
		19	956	56.25	19	20.03	155	6.76	8.76	3.0	3.1	3.4	50	6	111	.11	5	0.5	0.4	47	SF4	
		19	1051	36.56	19	24.54	155	18.10	7.75	2.1	2.4	1.5	22	9	141	.25	2	1.4	1.0	10	INT	L
		19	1122	37.66	19	16.86	155	14.83	5.57		1.3	1.5	31	6	178	.10	2	0.5	0.9	25	SF1	
		19	1259	7.12	19	27.79	155	11.80	4.76	1.8	1.7	1.3	9	3	307	.21	11	2.4	19.7	0	GLN	L*
		19	1510	6.20	19	22.11	155	16.43	3.55	2.4	2.6	1.6	10	2	125	.13	1	0.6	0.8	1	SEC	L
		19	1930	6.46	19	25.56	155	15.82	12.03	2.4	2.6	1.7	19	4	141	.12	2	1.1	0.6	3	INT	L
		19	22 5	55.88	19	24.76	155	15.74	10.77	2.1	2.3	1.4	16	7	151	.13	2	2.0	0.8	11	INT	L
		20	041	14.48	19	24.99	155	16.37	9.53	2.1	2.2	1.6	22	6	105	.14	1	0.9	0.5	16	INT	L
		20	058	8.79	19	11.82	155	40.96	0.81	2.5	2.1	2.1	50	9	117	.20	9	0.4	0.3	41	LSW	
		20	258	17.26	19	41.55	156	27.07	1.56		1.5	1.8	30	6	282	.15	60	1.2	0.6	29	DIS	
		20	335	9.39	19	24.22	155	16.95	1.60	1.7	1.1	1.1	22	6	75	.12	1	0.3	0.2	17	SSC	
		20	340	37.47	19	24.24	155	18.04	11.44	2.5	2.8	1.6	16	3	60	.11	2	0.8	0.8	16	INT	L
		20	353	2.29	19	25.39	155	16.00	10.06	2.1	2.1	1.4	18	3	129	.13	2	1.1	0.5	15	INT	L
		20	738	23.26	19	25.63	155	15.70	7.45	2.0	2.3	1.3	18	3	149	.09	3	0.8	0.5	16	INT	L
		20	921	16.81	19	23.49	155	16.86	10.44	2.5	2.7	1.7	23	10	49	.16	0	0.8	0.6	15	INT	L
		20	1127	20.81	19	23.88	155	30.11	10.36	2.0	1.8	1.7	36	7	49	.11	5	0.4	0.6	29	KAO	
		20	1136	19.79	19	27.02	155	30.18	8.40	1.9	1.2	1.3	27	6	60	.11	6	0.4	0.9	23	KAO	
		20	1532	31.99	19	28.44	155	14.56	18.34	2.6	2.8	1.7	12	3	264	.13	4	2.0	1.7	1	DEP	L
		20	1534	30.63	19	24.12	155	16.12	10.23	2.0	1.6	1.4	11	3	117	.06	1	1.4	0.9	0	INT	L
		20	1822	2.89	19	24.96	155	16.96	6.97	2.0	2.1	1.4	18	1	91	.12	0	0.6	1.1	2	INT	L
		20	2042	0.22	19	27.46	155	14.34	0.60	1.7	1.6	1.3	9	1	254	.08	5	0.9	0.8	1	SNC	L*
		20	2136	34.77	19	11.30	155	41.52	0.00	2.3	1.9	1.9	38	5	122	.27	10	0.7	0.7	35	LSW	*
		20	23 3	3.11	19	25.28	155	14.52	6.15	2.4	3.0	1.7	18	5	192	.14	1	0.7	1.0	16	INT	L
		20	23 6	31.99	19	24.01	155	16.96	6.27	2.1	2.2	1.5	20	5	70	.12	1	0.6	0.5	16	INT	L
		20	2310	58.00	19	23.99	155	17.96	9.28	1.8	1.6	1.2	16	6	132	.10	2	1.0	0.7	11	INT	L
		20	2326	54.62	19	24.46	155	17.36	6.74	1.8	1.7	1.2	18	3	52	.14	1	0.6	0.7	16	INT	L
		21	014	18.44	19	23.27	155	17.36	5.21	1.8	1.8	1.3	16	2	101	.10	1	0.5	0.8	16	INT	L
		21	521	21.63	19	23.97	155	15.12	17.34	2.5	2.8	1.7	16	3	160	.11	2	1.5	0.8	16	DEP	L
		21	524	6.41	19	25.00	155	16.54	8.08	1.8	1.7	1.3	13	2	100	.12	1	1.2	0.8	14	INT	L
		21	8 1	32.73	19	26.53	155	16.38	17.19	2.1	1.7	1.7	50	10	84	.10	2	0.5	0.4	40	DEP	
		21	827	45.40	19	25.24	155	17.11	9.20	1.8	1.6	1.2	17	2	93	.11	1	0.8	1.3	15	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	21	1039	54.43	19	25.48	155	17.16	8.30	2.2	2.5	1.5	23	9	95	.15	1	0.6	0.6	16	INT L	
		21	1224	15.86	19	24.40	155	16.32	12.69	2.1	1.8	1.5	19	6	86	.12	1	0.9	0.8	15	INT L	
		21	1350	0.63	19	23.52	155	17.53	10.66	2.1	1.9	1.4	21	8	51	.13	1	0.7	1.0	12	INT L	
		21	15 7	3.49	19	23.79	155	20.48	5.64	1.7	1.7	1.2	9	1	250	.04	6	3.5	3.7	1	KAO L	
		21	1754	27.05	19	19.94	155	12.13	8.01	1.9	2.0	2.0	43	2	81	.12	5	0.4	0.6	29	SF3	
		21	2135	35.51	19	24.89	155	15.22	9.37	2.2	2.0	1.5	20	5	129	.11	2	0.9	0.6	16	INT L	
		22	152	56.70	19	25.68	155	14.68	8.70	2.0	2.2	1.3	18	3	194	.10	2	1.0	0.7	16	INT L	
		22	345	42.37	20	5.71	155	25.40	0.30	3.0	3.1	3.0	58	5	220	.13	24	0.8	0.3	52	KEA F	
		22	537	37.21	19	25.66	155	17.66	10.07	1.9	1.7	1.2	19	5	84	.12	0	0.9	0.5	16	INT L	
		22	842	27.74	19	49.89	155	16.00	14.18	2.5	2.4	2.2	57	13	170	.11	10	0.4	0.3	45	KEA	
		22	1032	52.91	19	25.89	155	16.23	13.05	2.0	1.8	1.3	12	3	136	.11	2	1.9	0.9	1	DEP L	
		22	1058	38.43	19	26.74	155	29.64	9.72	1.6	1.3	1.3	28	3	44	.11	7	0.4	0.9	19	KAO L	
		22	1230	41.54	19	27.11	155	15.44	6.88	1.9	1.8	1.4	16	3	193	.17	2	1.0	1.4	1	INT L	
		22	1610	32.13	19	24.17	155	17.98	12.05	2.2		1.5	17	3	82	.12	2	1.1	0.9	2	INT L	
		22	1648	50.95	19	25.05	155	16.67	15.21	2.1	1.9	1.4	14	3	125	.16	1	1.9	1.2	1	DEP L	
		22	1939	35.29	19	23.17	155	20.10	12.73	2.2	2.3	1.5	12	3	154	.10	1	1.3	1.9	0	KAO L	
		22	21 9	24.81	19	22.05	155	2.37	6.12	1.7	1.6	1.7	36	3	132	.13	4	0.5	0.8	35	SF5	
		22	2112	30.25	19	24.80	155	16.76	9.40	2.0	1.7	1.3	16	6	92	.12	0	0.8	0.8	10	INT L	
		22	2314	56.80	19	24.21	155	18.11	10.57	2.0	1.6	1.3	14	5	101	.12	2	1.1	1.0	11	INT L	
		23	148	42.30	19	24.90	155	18.22	7.75	2.4	3.2	1.8	18	5	93	.13	1	0.6	0.8	16	INT L	
		23	2 4	55.05	19	24.10	155	17.13	13.20	2.3		1.6	23	9	69	.14	1	1.2	0.6	14	DEP L	
		23	450	49.01	19	24.27	155	17.48	7.48	1.7	1.7	1.1	15	5	105	.22	1	1.5	0.9	9	INT L	
		23	6 7	23.59	19	24.61	155	16.72	7.51	2.1	2.0	1.5	15	3	88	.17	1	1.0	1.3	11	INT	
		23	752	49.87	19	24.12	155	15.85	1.26	1.7	2.0	1.5	8	0	120	.08	2	0.3	0.6	0	SEC L	
		23	1146	48.82	19	24.19	155	16.38	15.45	2.5	2.5	1.7	14	1	79	.10	1	1.2	1.7	0	DEP L	
		23	1323	23.48	19	21.36	155	4.82	7.86	2.4	2.8	2.6	47	5	88	.12	4	0.4	0.6	37	SF5	
		23	1628	42.57	19	22.05	155	16.89	5.54	2.2	2.5	1.5	20	9	114	.24	2	0.7	1.5	11	INT L	
		23	1646	49.67	19	25.22	155	15.79	8.87	1.8	1.6	1.2	17	2	129	.12	2	0.8	0.7	16	INT L	
		23	1941	1.58	19	25.33	155	15.96	11.46	2.1	2.4	1.5	16	2	128	.14	2	1.2	0.7	16	INT L	
		23	2117	59.61	19	25.10	155	16.46	2.73	1.3	2.0	1.3	16	0	105	.12	1	0.5	0.4	16	SNC L	
		23	2240	36.62	19	19.31	155	15.48	5.74		1.2	1.4	40	6	99	.13	4	0.3	0.6	35	SF1	
		24	042	8.44	19	50.12	156	19.25	69.68		2.4	1.5	20	2	315	.22	53	4.2	2.6	22	HUA	
		24	043	22.18	19	44.25	155	14.99	7.01		1.7	1.2	11	3	171	.09	20	0.9	11.8	12	KEA *	
		24	052	23.33	19	22.95	155	18.92	9.91	2.2	2.0	1.4	18	4	114	.12	2	0.8	1.1	16	INT L	
		24	1 5	15.50	19	23.36	155	17.09	9.73	1.8	1.7	1.3	15	2	80	.09	0	0.8	0.8	16	INT L	
		24	258	2.30	19	12.01	155	28.27	6.23	2.6	1.6	1.6	36	5	97	.15	5	0.4	1.1	33	LSW	
		24	6 7	1.33	19	24.57	155	16.54	7.82	2.1	2.1	1.5	17	1	88	.13	1	0.7	1.2	16	INT L	
		24	918	15.84	19	25.29	155	16.23	6.46	1.9	1.7	1.4	16	1	117	.12	2	0.7	1.1	16	INT L	
		24	12 9	48.94	19	25.83	155	50.58	13.31		1.9	1.5	25	5	120	.12	10	0.5	0.3	26	KON	
		24	1220	3.49	19	24.00	155	16.62	10.09	2.0	1.7	1.4	21	6	84	.14	0	0.9	0.6	16	INT L	
		24	13 4	22.66	19	26.00	155	15.08	5.67	1.7	2.0	1.2	17	3	191	.14	3	0.6	0.8	16	INT L	
		24	1655	34.69	19	23.77	155	18.12	6.96	2.4		1.7	20	6	65	.17	2	0.7	0.9	16	INT L	
		24	1656	40.80	19	25.16	155	16.05	7.41	1.9	1.8	1.4	19	3	118	.15	2	0.8	0.6	16	INT L	
		24	17 3	7.81	19	19.16	154	59.14	37.21	2.2	2.1	2.0	56	7	209	.12	7	1.0	0.6	51	LER	
		24	1926	2.56	19	25.08	155	16.06	8.75	1.8	1.7	1.2	16	2	115	.11	2	0.9	0.6	15	INT L	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	25	2 4	55.03	19	27.56	155	16.96	21.78	2.4	2.4	1.6	15	2	146	.08	4	1.0	1.5	0	DEP L	
		25	238	31.36	19	24.43	155	15.84	6.53	1.8	1.8	1.3	15	0	93	.14	2	0.8	1.4	15	INT L	
		25	438	37.42	19	24.61	155	12.69	14.05	2.1	1.8	1.3	12	1	274	.09	3	1.7	1.2	2	DEP L	
		25	840	57.15	19	26.29	155	16.74	11.48	2.0	2.2	1.4	9	1	139	.06	2	1.8	1.7	3	INT L	
		25	938	1.21	19	25.75	155	15.29	5.60	2.2	2.7	1.4	6	0	260	.06	3	3.4	2.1	1	INT L	
		25	1147	39.84	19	23.34	155	17.81	10.65	1.9	2.0	1.3	9	2	93	.11	2	2.0	1.8	1	INT L	
		25	16 8	59.10	19	25.91	155	12.86	9.65	2.2	2.5	1.2	10	2	252	.10	3	1.4	2.6	1	SF2 L	
		25	17 7	0.49	19	49.79	155	44.24	21.95	2.5	2.5	2.2	33	3	213	.15	9	0.8	1.7	17	HUA	
		25	1727	3.91	19	21.69	155	5.01	9.27	6.2	6.2		53	0	81	.11	5	0.5	0.4	55	SF5	
		25	1732	8.48	19	22.41	154	59.24	7.27			3.7	34	1	179	.18	5	0.9	0.8	33	LER	
		25	1736	30.37	19	21.20	154	59.13	0.40			2.9	37	2	196	.15	7	0.8	0.6	37	SLE	
		25	1742	59.79	19	20.11	155	3.53	9.89			2.3	9	0	127	.03	1	1.8	3.1	8	SF5	
		25	1744	43.66	19	22.31	154	59.46	9.26			3.5	40	1	183	.12	5	0.8	0.6	26	LER	
		25	1748	27.77	19	20.95	155	3.96	5.83	1.7			13	1	107	.16	3	1.0	1.7	8	SF5	
		25	1749	12.05	19	21.68	154	59.75	2.66	2.1			12	1	194	.18	6	1.5	2.6	7	SLE	
		25	1750	6.15	19	21.63	155	14.56	13.03				9	0	143	.15	3	2.1	1.8	1	DEP	
		25	1751	26.04	19	20.61	155	3.58	9.16			2.1	10	1	145	.10	2	0.8	1.4	7	SF5	
		25	1752	24.69	19	25.49	155	2.17	0.89				12	2	161	.26	6	2.2	1.1	7	SME	
		25	1754	19.65	19	24.99	154	57.34	7.44	2.5			13	2	181	.14	2	2.1	1.5	10	LER	
		25	1756	4.07	19	20.01	154	57.64	9.36			4.0	53	6	204	.20	9	1.0	0.5	40	LER	
		25	1759	14.13	19	20.69	154	59.41	6.91		2.4	2.9	30	0	200	.12	6	0.7	0.8	16	LER	
		25	18 0	42.47	19	26.19	154	54.26	7.99	2.4		2.7	5	0	214	.06	3	2.0	1.9	3	LER	
		25	18 2	8.62	19	20.70	155	3.15	6.47	2.3		2.5	30	1	105	.11	2	0.5	0.8	18	SF5	
		25	18 6	46.06	19	22.79	154	59.24	7.17		1.2		20	1	183	.15	4	1.1	0.8	13	LER	
		25	18 7	23.77	19	20.87	154	59.64	3.46	2.3		2.2	21	0	196	.14	6	1.1	2.7	9	SLE	
		25	18 7	43.67	19	21.10	154	59.50	1.05	2.6	3.2		10	0	218	.14	18	3.5	16.5	2	SLE *	
		25	18 9	16.53	19	24.80	154	59.09	7.04		2.0	2.1	21	1	147	.13	1	0.9	0.5	12	LER	
		25	1813	50.98	19	20.40	155	4.14	6.52	2.3	3.0	2.6	25	1	117	.12	2	0.5	0.8	12	SF5	
		25	1818	26.25	19	24.51	154	59.76	7.89	2.4	2.7	2.4	41	3	143	.14	2	0.5	0.4	22	LER	
		25	1826	37.61	19	20.76	154	58.92	6.83	2.2	2.2	1.9	12	1	211	.07	7	0.8	1.2	4	LER	
		25	1830	50.94	19	19.77	154	55.55	13.72	2.4	2.8	2.2	28	0	231	.07	11	1.3	0.5	14	LER	
		25	1835	50.23	19	20.25	155	0.13	8.44	2.2		2.0	13	1	214	.14	5	1.2	1.4	2	SF5	
		25	1837	13.22	19	21.51	154	59.15	8.17	3.1	3.6	3.5	44	0	193	.12	7	0.8	0.5	37	LER	
		25	1840	35.22	19	24.54	154	53.56	13.50				14	0	222	.09	6	1.8	0.7	12	LER	
		25	1841	3.91	19	24.06	155	0.22	8.52	1.8		1.8	8	1	159	.05	3	0.9	1.1	7	SF5	
		25	1842	50.02	19	20.43	155	3.63	10.00	1.4		1.9	9	1	131	.10	2	1.0	1.3	6	SF5	
		25	1844	18.50	19	20.53	155	4.33	5.13	2.0		2.2	25	0	112	.10	3	0.6	1.2	16	SF5	
		25	1848	56.71	19	25.14	155	0.34	6.21	1.9	1.7	1.9	28	2	155	.10	3	0.8	1.0	10	SF5	
		25	1850	43.50	19	20.04	154	55.51	14.07	2.7		2.8	41	2	230	.09	11	1.1	0.3	24	LER	
		25	1852	10.60	19	20.15	154	58.76	9.81	3.3	4.0	3.0	56	8	205	.15	7	0.7	0.4	48	LER	
		25	1854	36.71	19	27.42	154	52.68	9.01	2.4		2.5	38	1	144	.14	3	1.0	0.4	42	LER	
		25	1858	0.20	19	21.65	155	0.14	1.60	2.6	2.5		26	3	190	.17	6	0.8	1.4	18	SSF	
		25	1859	16.41	19	20.05	155	4.31	6.06	1.2	1.6	1.8	35	3	136	.14	2	0.6	0.6	37	SF5	
		25	1859	57.65	19	21.36	154	59.91	2.17	2.1	3.0		21	1	198	.12	6	0.8	1.0	21	SLE	
		25	19 5	45.84	19	20.22	154	54.08	0.00	1.4	2.1	2.1	21	3	238	.24	12	2.0	0.7	7	SLE *	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	SEC	RMS DIS	MIN KM	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	25	1910	9.75	19	23.14	155	2.96	8.00	2.1		1.9	41	5	116	.14	3	0.4	0.5	17	SF5		
		25	1915	35.67	19	20.99	155	4.94	6.65	2.1	2.3	1.9	35	2	106	.12	4	0.5	0.7	23	SF5		
		25	1925	50.56	19	20.75	154	59.71	0.02	1.8		1.7	13	1	205	.15	6	1.5	0.8	8	SLE	*	
		25	1926	44.73	19	24.81	154	59.11	8.17	2.2	2.3		30	2	160	.16	1	0.7	0.7	23	LER		
		25	1936	59.77	19	19.61	155	7.10	7.79	2.1	2.4	2.2	42	4	115	.10	4	0.4	0.7	27	SF4		
		25	1942	25.46	19	20.19	155	4.38	5.03	1.7	2.0	1.9	34	2	129	.17	3	0.7	1.7	19	SF5		
		25	1944	30.65	19	21.70	154	59.80	0.29	3.4	4.0		39	1	185	.13	6	0.5	0.6	18	SLE		
		25	1951	23.08	19	20.78	154	59.25	0.76	2.1	2.3		28	2	207	.13	7	1.0	0.6	23	SLE		
		25	1957	4.92	19	24.67	154	59.92	6.91	1.8	1.4		29	4	144	.19	2	0.9	0.5	18	LER		
		25	20 0	4.80	19	25.99	154	57.57	6.41	2.2	2.0		30	3	162	.13	3	0.8	0.5	26	LER		
		25	20 1	19.91	19	21.23	154	56.18	0.06	1.4	1.5		16	0	220	.12	8	1.2	4.1	14	SLE	*	
		25	20 6	10.57	19	21.98	154	58.29	4.46	3.8	4.3		37	2	202	.11	6	0.8	1.1	29	SLE		
		25	2011	24.07	19	20.92	155	4.53	7.29	1.7	1.9		29	2	100	.12	3	0.5	0.7	24	SF5		
		25	2014	9.44	19	21.95	155	0.92	2.25	0.8			20	0	180	.11	5	0.7	1.3	19	SSF		
		25	2014	45.01	19	21.49	154	58.35	1.59	2.1	2.9		25	2	206	.17	7	0.8	1.2	19	SLE		
		25	2017	34.95	19	19.18	155	2.01	1.32	2.2	3.1		26	2	207	.15	2	0.7	0.4	21	SSF		
		25	2019	50.73	19	20.49	154	58.02	0.01	2.5	2.9		32	4	216	.18	9	1.2	0.3	28	SLE	*	
		25	2027	30.91	19	23.19	155	4.47	5.58	1.6			17	0	86	.15	7	0.7	2.6	12	SF5		
		25	2030	45.78	19	19.76	154	57.99	3.85	1.4	2.4		23	3	238	.13	9	0.8	2.3	20	SLE		
		25	2033	13.14	19	19.23	155	6.12	7.90	2.2			33	1	146	.11	5	0.6	0.5	33	SF4		
		25	2039	28.77	19	19.99	155	3.97	7.68	1.9	2.1		29	1	140	.10	2	0.7	0.5	28	SF5		
		25	2046	45.82	19	20.36	154	59.84	5.23	1.3	1.4		27	1	207	.13	5	0.8	1.1	25	LER		
		25	2058	35.16	19	24.00	155	16.03	10.12	2.1	2.4		11	2	112	.10	2	1.0	1.0	6	INT	L	
		25	21 5	59.47	19	20.02	155	25.51	10.79		1.2		13	2	138	.06	4	0.8	0.7	11	KAO		
		25	2115	16.20	19	22.73	154	54.96	13.68	1.9	1.5		15	0	218	.08	9	1.5	0.6	17	LER		
		25	2119	9.85	19	21.74	155	0.94	2.23	1.8	2.0		27	2	177	.13	5	0.7	0.9	25	SSF		
		25	2124	27.08	19	22.12	154	58.91	3.22	2.6			23	2	213	.21	6	1.1	2.0	21	SLE		
		25	2140	0.24	19	25.00	154	58.21	8.80	2.2	2.1		31	5	167	.14	1	0.6	0.5	26	LER		
		25	2147	16.21	19	20.40	155	3.33	5.88	1.7	1.9		30	2	93	.14	1	0.6	0.9	25	SF5		
		25	2156	26.68	19	22.30	155	4.81	6.67	0.8			20	2	80	.13	4	0.6	0.8	16	SF5		
		25	22 4	42.96	19	24.27	155	0.44	5.14	0.8			21	2	147	.14	3	0.8	1.1	14	SF5		
		25	22 8	27.64	19	21.20	154	59.58	0.07	1.8	2.1		14	0	204	.13	6	1.3	2.2	12	SLE		
		25	2213	56.12	19	21.15	155	2.52	7.09	1.1	1.7		20	0	146	.10	2	0.7	0.9	17	SF5		
		25	2223	23.05	19	20.23	155	4.29	5.90	2.2	2.2		31	1	127	.13	2	0.5	0.9	31	SF5		
		25	2224	58.04	19	22.08	155	5.31	6.28	1.4	1.7		28	1	74	.13	5	0.5	1.1	23	SF4		
		25	2229	52.84	19	22.77	155	4.44	5.65	1.6	1.7		22	1	87	.11	3	0.5	1.2	18	SF5		
		25	2249	5.82	19	20.33	154	55.26	4.28		1.4		10	0	233	.10	11	2.0	14.3	13	SLE	*	
		25	23 7	35.14	19	20.60	154	55.27	7.02	1.9			20	0	230	.24	10	2.5	2.0	16	LER		
		25	2311	46.65	19	20.46	155	4.58	4.64	1.9	1.8		20	0	117	.13	3	0.6	2.0	18	SSF		
		25	2319	29.78	19	20.51	154	57.13	5.79	3.0	3.4		23	0	217	.14	9	1.5	1.2	26	LER		
		25	2335	47.40	19	22.92	155	4.76	8.62	3.0	3.4		35	0	82	.10	3	0.4	0.4	34	SF5		
		25	2357	46.11	19	21.92	154	56.31	6.19	2.2	3.1		19	0	214	.17	7	1.5	1.8	21	LER		
		26	0 1	58.97	19	25.31	154	54.15	8.25	1.1	1.3		19	2	201	.13	4	1.3	1.1	16	LER		
		26	0 2	57.16	19	20.78	155	3.67	5.66	2.2	2.3		30	0	90	.13	2	0.6	0.9	28	SF5		
		26	014	41.54	19	21.50	154	53.75	8.00		1.3		16	1	238	.15	11	1.8	2.0	16	LER		

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	SEC	RMS DIS	MIN KM	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	26	027	7.25	19	19.66	155	11.81	9.71	2.5	2.9		26	0	89	.09	6	0.5	0.7	29	SF3		
		26	038	24.37	19	19.80	154	57.71	0.93	2.2	2.9		17	2	239	.10	9	1.4	1.0	16	SLE		
		26	050	27.42	19	21.13	154	59.51	1.77	1.8	2.2		20	0	207	.12	6	1.2	2.1	17	SLE		
		26	055	18.30	19	20.85	155	2.54	5.81	0.8	1.6		22	0	150	.15	2	0.7	1.0	20	SF5		
		26	058	5.72	19	24.39	155	0.82	8.95	2.8	3.1		36	0	135	.10	4	0.6	0.4	32	SF5		
		26	125	29.70	19	24.16	154	59.22	7.80	1.4	1.6		26	1	166	.15	2	0.7	0.9	21	LER		
		26	128	10.24	19	20.61	154	53.75	0.07	2.0	1.5		20	1	240	.22	12	2.5	0.7	21	SLE		
		26	135	51.82	19	21.97	154	55.35	6.97	2.7	3.1		27	0	219	.14	8	1.4	0.9	21	LER		
		26	222	53.02	19	25.62	154	59.18	5.50	1.9	2.1		26	2	75	.13	1	0.6	1.0	24	LER		
		26	241	26.63	19	21.06	154	52.04	12.76	2.0	1.7		20	0	248	.11	13	2.4	0.5	20	LER		
		26	258	2.15	19	23.11	155	4.66	6.70	1.6	1.9		25	2	82	.16	3	0.5	0.9	22	SF5		
		26	3 6	6.38	19	23.96	155	1.85	8.40	0.8	1.4		22	2	126	.15	4	0.9	0.6	16	SF5		
		26	324	29.13	19	19.71	154	52.80	0.02	0.9	1.5		18	2	250	.14	14	1.8	0.7	17	SLE	*	
		26	344	19.36	19	22.28	155	2.74	8.88	2.1	2.4		33	2	129	.09	4	0.5	0.4	27	SF5		
		26	414	27.65	19	25.07	154	59.23	7.68	2.1	2.5		27	2	132	.14	1	0.6	0.7	23	LER		
		26	432	32.85	19	21.11	154	57.28	5.31	2.8	3.3		26	0	214	.19	8	1.4	1.1	26	LER		
		26	510	2.29	19	22.07	154	57.36	5.71	1.9	2.0		20	0	206	.25	6	2.0	2.3	22	LER		
		26	534	58.64	19	21.68	154	59.67	1.37	2.5	3.1		26	1	194	.11	7	0.8	1.2	26	SLE		
		26	6 2	42.76	19	21.38	155	0.65	1.53				18	0	189	.09	5	0.8	1.3	22	SSF		
		26	6 4	20.89	19	19.54	155	0.91	0.00	2.6			16	2	230	.21	4	1.5	0.4	17	SSF	*	
		26	621	37.57	19	21.62	155	0.02	0.84	2.1	3.0		19	2	192	.07	6	0.8	0.4	20	SSF		
		26	627	37.65	19	23.19	154	56.30	6.93	2.5	2.9		25	0	205	.13	6	1.1	0.8	26	LER		
		26	644	18.53	19	24.59	154	55.15	0.61	1.1	1.7		24	2	200	.16	5	0.5	0.4	19	SLE		
		26	7 8	26.41	19	22.03	155	5.30	8.36	1.1	1.7	1.6	26	1	76	.10	5	0.5	0.6	19	SF4		
		26	710	40.92	19	17.65	155	12.73	9.83	2.9	3.2	3.0	35	3	148	.11	8	0.6	0.8	32	SF2		
		26	714	35.53	19	21.70	155	1.26	3.56		1.2	1.3	9	1	188	.07	4	1.3	2.3	6	SSF		
		26	714	48.82	19	26.13	154	59.36	5.24	0.7	1.6		17	1	98	.17	2	0.8	1.5	12	LER		
		26	715	41.98	19	21.13	154	59.74	5.62	2.1	2.3	2.1	35	0	193	.12	6	0.8	1.4	19	LER		
		26	725	41.17	19	21.56	155	0.57	0.06		1.8	1.7	16	0	178	.28	5	1.4	2.6	9	SSF	*	
		26	727	1.81	19	20.35	155	1.64	1.50	2.5	3.4	2.1	25	1	190	.07	2	0.6	0.3	15	SSF		
		26	731	16.40	19	19.67	155	6.36	7.95	2.5	2.8	2.4	44	6	128	.09	5	0.5	0.6	36	SF4		
		26	738	49.03	19	17.22	155	12.17	1.59		1.3	1.4	25	3	155	.09	2	0.5	0.5	16	SSF		
		26	756	41.73	19	20.48	155	6.22	8.29		1.2	1.4	32	3	108	.10	6	0.5	0.6	31	SF4		
		26	8 1	38.26	19	25.68	154	59.81	7.52	2.1	2.2	2.0	42	5	90	.10	2	0.3	0.5	17	LER		
		26	817	2.25	19	21.00	155	3.41	0.03		1.8		18	1	108	.28	2	0.8	1.6	17	SSF	*	
		26	825	39.06	19	25.56	154	59.69	7.84	2.4	2.6		23	4	94	.09	2	0.4	0.9	17	LER		
		26	837	38.77	19	23.39	155	16.65	11.14	2.1	2.6	1.4	11	3	76	.03	0	1.6	2.3	2	INT	L	
		26	848	32.91	19	24.11	155	1.06	6.09	1.1	1.3	1.7	28	0	138	.13	5	0.6	1.5	20	SF5		
		26	852	28.07	19	20.05	154	57.33	5.85	3.9	4.2		35	1	218	.11	10	1.0	0.7	32	LER		
		26	857	11.31	19	21.52	155	0.50	1.28	1.8	2.2	1.9	13	1	179	.10	5	0.7	1.6	11	SSF		
		26	9 3	30.24	19	20.10	155	3.36	4.78	1.2	1.7		19	0	123	.14	1	0.8	1.3	18	SSF		
		26	912	34.14	19	19.78	154	55.19	0.01	0.9	2.8	1.9	16	1	233	.19	12	2.0	1.2	5	SLE	*	
		26	938	46.78	19	20.49	155	4.41	7.55	1.5	2.1	1.9	37	0	115	.08	3	0.4	0.8	18	SF5		
		26	942	30.89	19	20.60	155	4.45	5.71	1.1	1.5	1.7	31	0	111	.12	3	0.5	1.1	16	SF5		
		26	1020	19.54	19	28.70	154	53.66	1.45	2.3	2.7	1.8	33	0	106	.17	4	0.4	0.8	17	SLE		

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	26	1022	28.45	19	21.07	154	58.06	0.52	2.2	2.9	2.0	25	1	210	.08	8	0.5	0.9	20	SLE	
		26	1055	52.10	19	20.27	155	1.45	1.89	0.8	2.0	1.6	17	0	199	.08	3	0.9	0.5	7	SSF	
		26	11	9 59.77	19	18.65	155	6.14	7.40		1.2	1.4	35	6	166	.13	4	0.4	0.6	30	SF4	
		26	1116	40.81	19	21.54	155	0.47	0.58	1.8	2.1	1.7	22	2	179	.13	5	0.6	0.5	25	SSF	
		26	1118	31.66	19	21.00	154	53.64	2.19	2.0	1.2	1.6	21	2	236	.13	12	1.8	2.1	22	SLE	
		26	1123	14.05	19	20.61	155	3.62	8.02	2.0	2.4	2.3	43	4	95	.13	2	0.5	0.4	43	SF5	
		26	1238	58.54	19	22.13	154	56.78	0.00		1.1	1.6	28	2	202	.15	7	0.6	0.8	28	SLE	*
		26	1330	42.03	19	21.69	154	58.65	4.22	1.7	2.7	1.8	34	5	194	.19	6	0.8	3.6	29	SLE	
		26	1346	42.55	19	20.59	155	4.65	5.93		1.3	1.6	22	0	112	.09	3	0.6	1.7	16	SF5	
		26	14	6 40.29	19	21.24	154	58.21	0.97	3.0	3.7	3.2	45	6	202	.12	7	0.6	0.4	29	SLE	
		26	1427	29.52	19	21.37	154	58.99	0.41	2.4		2.1	35	7	195	.18	7	0.7	0.5	28	SLE	F
		26	1428	26.58	19	21.34	154	58.77	1.47	2.7	3.5	2.5	28	4	197	.17	7	0.7	1.1	25	SLE	
		26	1442	38.11	19	26.14	154	56.29	7.32	2.3	2.7	2.1	37	8	152	.10	3	0.4	0.6	31	LER	
		26	15	6 22.57	19	15.94	155	30.14	8.74		1.3	1.3	21	3	83	.09	2	0.4	0.9	16	LSW	
		26	1517	7.87	19	20.78	155	17.20	34.49	3.0	3.8		36	0	60	.10	1	0.7	1.3	27	DEP	F
		26	1548	31.97	19	23.55	155	17.76	12.35	2.2	2.5	1.4	15	3	88	.13	1	1.1	0.9	13	INT	L
		26	1747	39.53	19	24.73	154	58.72	6.56	1.3	1.4	1.7	30	1	171	.12	1	0.7	0.6	16	LER	
		26	18	4 31.07	19	24.66	155	14.69	4.10	1.8	1.6	1.5	31	4	63	.09	1	0.4	0.5	22	SNC	
		26	1822	53.10	19	21.43	154	58.64	6.69	2.1	3.1	1.8	13	0	201	.09	7	1.1	1.9	10	LER	L
		26	1854	26.92	19	25.11	155	15.91	8.25	2.4	3.1	1.4	12	2	178	.15	3	1.2	1.1	1	INT	L
		26	1934	55.38	19	23.16	155	16.13	0.06	1.4	1.6	1.2	11	2	125	.11	1	0.4	0.2	1	SEC	L
		26	1944	21.59	19	14.93	154	58.00	14.25	2.1	1.3	1.7	21	0	244	.06	13	1.8	0.6	17	DIS	
		26	1945	11.58	19	21.05	154	59.64	7.80	1.8	2.2	2.0	34	0	194	.13	6	0.8	0.7	25	LER	
		26	2014	59.82	19	22.36	154	58.36	4.15	1.8	2.2	1.5	13	1	188	.09	5	0.9	2.2	6	SLE	
		26	2054	36.92	19	11.55	155	40.82	7.62	2.0	1.3	1.6	28	1	117	.24	9	1.0	2.5	10	LSW	
		26	2246	39.74	19	20.30	155	4.20	7.19	2.0	2.1	2.0	47	5	123	.13	2	0.4	0.5	46	SF5	
		26	2327	33.80	19	25.21	155	16.91	9.49	1.8	1.7	1.1	13	3	98	.06	1	1.2	0.8	11	INT	L
		26	2343	24.22	19	22.59	155	3.80	8.33	1.2	1.4	1.6	39	6	100	.13	3	0.5	0.3	34	SF5	
		27	0 7	26.54	19	18.62	154	54.12	0.00	2.0		1.9	29	5	248	.31	14	2.9	0.9	27	SLE	*
		27	023	4.38	19	20.67	155	3.93	7.10	2.2	2.4	2.2	44	5	101	.12	2	0.5	0.6	41	SF5	
		27	032	43.25	19	20.67	154	59.95	5.46	2.2		2.1	41	4	197	.18	5	0.8	1.0	39	LER	
		27	033	33.62	19	21.50	155	0.16	1.20	2.6	3.1	2.5	40	4	185	.12	6	0.7	0.4	44	SSF	
		27	145	41.17	19	21.04	154	59.67	8.40	2.2	2.3	2.4	41	0	194	.14	6	0.8	0.6	30	LER	
		27	154	33.97	19	21.64	154	59.21	0.02	1.8	2.1	1.6	26	1	192	.28	7	1.1	1.5	13	SLE	*
		27	250	22.59	19	20.72	155	4.75	8.28	2.1	2.5	2.3	48	3	107	.11	4	0.4	0.5	31	SF5	
		27	3 3	31.59	19	26.25	155	15.38	3.65	1.6	1.7	1.2	12	0	166	.16	3	0.8	1.0	1	SNC	L
		27	330	35.23	19	20.81	155	4.84	8.76	0.8	1.4	1.4	23	0	105	.07	4	0.5	1.1	13	SF5	
		27	355	5.68	19	17.59	155	12.96	5.96	1.5	1.1	1.3	28	1	129	.09	1	0.4	0.9	13	SF2	
		27	4 5	19.16	19	28.93	154	54.43	3.27	1.9	1.9	1.5	14	0	154	.11	3	0.7	0.8	8	SLE	
		27	4 8	58.28	19	20.98	155	4.99	7.83	1.4	1.6	1.6	30	2	100	.11	4	0.5	0.8	15	SF5	
		27	5 7	44.55	19	27.67	154	53.16	5.35	1.1	1.4	1.6	30	0	133	.11	3	0.6	1.1	14	LER	
		27	724	17.36	19	23.57	155	15.28	7.63		2.6	1.8	7	0	156	.14	2	1.1	3.5	0	INT	L
		27	746	24.09	19	28.71	154	54.41	2.25	2.2	2.6	1.7	25	1	105	.25	3	0.7	1.1	10	SLE	
		27	752	18.67	19	21.08	154	51.90	12.69	2.0	1.3	1.7	24	0	249	.11	12	1.9	0.6	7	LER	
		27	752	59.96	19	22.81	155	4.33	8.70	1.7	1.9	1.7	24	1	89	.07	3	0.5	0.7	15	SF5	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	27	8 1	35.01	19	21.51	154	56.63	7.54	2.0	2.5	1.8	26	3	209	.17	8	1.0	0.8	23	LER	
		27	922	6.45	19	27.03	155	15.09	11.97	2.0	2.0	1.5	13	1	220	.10	3	1.5	0.9	1	INT	L
		27	940	12.67	19	20.91	155	1.56	0.63	2.5	3.6	2.3	46	7	176	.13	3	0.7	0.3	43	SSF	
		27	1019	40.74	19	20.53	154	57.40	0.00	1.4	2.1	1.7	18	4	213	.16	9	1.0	0.6	13	SLE	*
		27	1042	1.51	19	20.56	155	10.72	8.08	1.5	1.7	1.5	32	4	77	.11	3	0.4	0.8	28	SF3	
		27	11 7	18.99	19	21.65	154	58.25	2.20	1.8	2.3	1.9	32	1	197	.15	7	0.9	2.1	32	SLE	
		27	1133	31.37	19	20.90	154	56.93	0.04		2.0	1.7	19	1	221	.23	8	1.4	1.4	3	SLE	*
		27	1223	55.12	19	23.25	155	23.41	8.44	2.0	2.1	1.3	10	2	275	.08	11	2.2	4.1	1	KAO	L
		27	1243	3.30	19	22.30	154	53.69	8.99		1.3	1.6	20	0	226	.10	10	1.2	1.7	9	LER	
		27	1338	23.90	19	20.67	155	1.73	1.70	2.4	3.1	2.2	32	0	181	.11	3	0.6	0.5	20	SSF	
		27	1458	12.80	19	24.27	155	0.76	8.73	1.8	2.2	2.0	46	3	136	.12	4	0.5	0.4	25	SF5	
		27	15 7	14.79	19	25.59	155	16.44	11.72	2.1	2.5	1.4	17	3	119	.07	2	1.4	0.6	1	INT	L
		27	1540	47.70	19	21.15	154	59.78	0.48	1.8	2.2	1.5	16	1	196	.09	6	0.8	0.9	5	SLE	
		27	1545	36.44	19	21.06	155	6.42	8.07	2.1	2.4	2.0	40	2	93	.11	5	0.4	0.7	27	SF4	
		27	16 9	39.07	19	25.73	155	15.76	6.44	1.7	2.2	1.3	12	0	146	.07	3	0.8	1.7	1	INT	L
		27	1616	5.49	19	19.97	155	7.57	9.30	0.9	1.4	1.8	10	0	98	.04	5	0.9	2.0	5	SF4	L
		27	17 3	26.06	19	27.19	155	14.20	9.53	1.9	2.3	1.3	17	3	216	.22	4	1.9	1.6	1	INT	L
		27	1741	41.20	19	20.74	155	6.01	8.05	0.8	1.4	1.4	16	0	103	.10	6	0.6	1.3	8	SF4	
		27	1755	17.73	19	20.39	155	4.29	6.86	0.8	1.2	1.5	25	1	119	.10	3	0.5	1.1	17	SF5	
		27	1919	11.51	19	21.35	154	57.12	3.23	1.9	2.2	1.9	42	2	207	.17	8	1.0	1.7	41	SLE	
		27	2010	40.71	19	22.10	154	58.68	2.65	1.8	2.3	1.8	32	1	190	.19	6	1.0	1.5	32	SLE	
		27	2028	16.84	19	14.62	154	59.41	12.83	1.9	1.7	1.6	31	0	240	.13	12	1.9	0.6	33	DIS	
		27	2029	59.33	19	14.57	154	59.35	13.75		1.5	1.6	27	0	242	.11	12	2.0	0.6	27	DIS	
		27	2044	23.06	19	13.04	154	58.37	13.09	2.4	2.7	2.5	45	0	238	.11	15	1.5	0.4	45	DIS	
		27	21 1	47.21	19	16.29	155	0.91	14.32		1.5	1.5	28	0	229	.09	16	1.5	0.4	31	DEP	
		27	2218	35.12	19	21.25	154	59.31	2.78	0.8	1.4	1.6	30	1	198	.15	7	0.7	1.8	8	SLE	
		27	2221	0.24	19	21.36	154	59.19	0.88	1.3	1.8	1.7	27	2	194	.10	7	0.5	0.8	11	SLE	
		27	23 6	36.24	19	25.91	155	15.47	10.61	2.1	2.8	1.4	13	2	176	.11	3	1.5	0.9	2	INT	L
		27	2317	15.37	19	27.10	155	15.98	6.21	1.6	1.7	1.2	10	1	191	.09	2	0.8	1.1	1	INT	L
		27	2341	13.77	19	22.07	154	57.61	2.14	2.4	2.9	2.2	36	0	199	.12	6	0.6	1.8	20	SLE	
		28	133	44.15	19	22.41	155	15.56	4.48	1.8	2.2	1.2	9	2	241	.11	1	1.1	1.3	1	SEC	L
		28	229	8.26	19	20.72	155	4.61	7.87	1.4	1.7	1.6	34	0	107	.10	3	0.4	0.9	20	SF5	
		28	347	43.43	19	21.10	155	6.27	8.91	0.8	1.2	1.5	29	4	93	.11	5	0.6	0.8	26	SF4	
		28	350	56.24	19	25.89	155	15.68	11.01	1.9	1.9	1.3	15	7	159	.07	3	1.0	0.9	11	INT	L
		28	5 8	59.88	19	22.13	155	4.68	8.94	1.4	1.9	1.6	35	6	82	.11	4	0.4	0.5	29	SF5	L
		28	621	37.25	19	21.08	154	56.95	1.96	2.2	2.8	1.9	31	6	219	.19	8	0.7	1.1	25	SLE	
		28	640	33.14	19	22.26	155	2.85	7.31	1.5	1.7	1.7	33	5	126	.11	4	0.4	0.7	27	SF5	
		28	7 0	29.75	19	20.08	155	4.87	4.15	0.8	1.1	1.4	26	5	132	.13	3	0.5	1.5	21	SSF	
		28	716	12.09	19	25.18	155	15.15	18.13	2.5	2.4	1.6	16	2	151	.14	2	2.0	0.9	15	DEP	L
		28	9 3	46.23	19	16.41	155	12.24	2.58		1.1	1.4	17	4	209	.07	2	0.8	0.4	13	SSF	
		28	927	48.80	19	23.51	155	18.11	9.55	2.1	2.7	1.4	15	1	96	.13	2	0.8	1.2	15	INT	L
		28	941	9.47	19	17.68	155	13.58	4.99	1.5	1.3	1.3	21	4	103	.12	1	0.7	1.1	18	SSF	
		28	942	28.40	19	21.72	154	56.22	0.00	1.9	2.2	1.7	16	1	215	.19	8	0.9	1.4	0	SLE	*
		28	1111	58.63	19	24.89	155	19.50	6.76	1.6	1.4	1.1	26	5	96	.09	2	0.4	0.8	16	KAO	
		28	1138	29.73	19	19.30	155	11.81	7.42	1.5	1.2	1.2	20	2	97	.04	5	0.4	1.3	12	SF3	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	28	12 9	20.09	19	17.76	155	13.10	7.31	1.8	2.0	1.6	24	2	112	.07	2	0.5	1.0	11	SF2	
		28	1354	15.03	19	28.78	155	15.38	8.32	2.6	3.3	1.8	11	0	224	.11	3	2.4	1.5	1	GLN	L
		28	1545	17.17	19	26.82	154	52.86	7.99	2.4	2.5	2.3	43	1	166	.12	3	0.8	0.4	22	LER	
		28	1558	56.27	19	3.61	154	58.22	13.84		1.6	1.4	10	0	308	.08	31	10.2	1.9	7	DIS	*
		28	1623	52.93	19	21.09	154	58.51	1.22	2.4	3.0	2.2	36	1	201	.13	7	0.6	1.4	20	SLE	
		28	1713	58.34	19	27.49	154	52.85	9.57	2.5	2.8	2.4	43	2	140	.12	3	0.7	0.4	24	LER	
		28	1755	28.33	19	12.92	155	31.05	0.00	2.9	3.2	3.1	51	8	73	.25	8	0.4	0.3	34	LSW	*
		28	1943	0.85	19	24.96	155	15.91	2.25	1.6	2.0	1.5	6	0	114	.05	2	0.6	1.3	0	SNC	L
		28	2034	44.95	19	22.18	154	59.75	6.84	1.5	1.6	1.8	25	0	177	.12	6	0.8	1.3	15	LER	
		28	2056	48.56	19	22.86	155	3.63	8.32	1.5	1.6	1.7	35	1	104	.13	3	0.4	0.6	15	SF5	
		28	2124	19.80	19	24.09	155	16.43	9.70	2.1	3.0	1.4	18	5	76	.14	0	0.7	0.5	13	INT	L
		28	2132	11.68	19	25.33	155	15.38	5.84	1.8	2.0	1.2	18	3	149	.13	2	0.8	0.8	16	INT	L
		28	2156	15.10	19	24.68	155	16.22	8.15	1.6	1.5	1.1	19	5	96	.14	1	0.9	0.4	16	INT	L
		28	2353	27.08	19	21.41	154	57.01	6.11	1.4	2.4	1.5	26	3	213	.17	8	0.9	1.2	23	LER	
		29	037	56.47	19	21.77	155	5.21	7.13	1.4	1.6	1.4	36	3	81	.14	5	0.5	0.6	34	SF5	
		29	045	39.80	19	17.87	155	13.17	4.99	1.5	1.2	1.2	18	1	103	.07	2	0.7	0.9	17	SSF	
		29	152	23.16	19	20.48	155	4.00	7.34	2.2	3.2	2.1	45	5	111	.14	2	0.5	0.5	42	SF5	
		29	153	28.80	19	22.74	155	2.75	8.50	1.4	1.8	1.7	39	5	127	.17	4	0.7	0.5	34	SF5	
		29	2 7	38.32	19	24.15	155	17.30	6.27	1.5	1.8	1.0	15	1	59	.13	1	0.6	0.9	15	INT	L
		29	413	51.65	19	17.04	155	13.30	6.16	1.5	1.2	1.3	25	5	177	.11	0	0.4	0.6	21	SF2	
		29	552	35.78	19	23.84	155	15.78	3.06	1.6	1.8	1.5	30	11	70	.08	1	0.2	0.2	19	SEC	
		29	556	27.31	19	17.80	155	13.09	5.43	1.6	1.6	1.5	29	4	110	.09	2	0.4	0.8	25	SF2	
		29	623	16.67	19	17.63	155	13.24	6.16	1.9	1.8	1.7	34	4	107	.10	1	0.4	0.7	30	SF2	
		29	642	26.96	19	24.34	155	14.81	14.71	2.5	3.2	1.6	18	4	155	.13	1	1.2	0.7	16	DEP	L
		29	649	34.17	19	23.53	155	16.30	6.19	2.1	2.4	1.4	14	2	62	.15	1	0.8	1.0	11	INT	L
		29	849	25.33	19	18.43	155	30.00	9.08	2.0	1.4	1.5	30	5	61	.11	6	0.4	0.7	26	LSW	
		29	1040	18.53	19	17.75	155	4.84	40.37	2.4	2.4	2.3	53	8	188	.11	5	0.8	0.7	49	DEP	
		29	1455	53.99	19	24.58	155	16.95	8.17	2.0	2.4	1.4	16	5	83	.07	1	0.9	0.6	11	INT	L
		29	17 1	6.29	19	20.48	155	4.16	7.51	2.1	2.1	2.0	39	1	113	.11	2	0.5	0.6	29	SF5	L
		29	1756	12.76	19	20.88	154	57.18	1.29	1.9	2.6	1.8	23	1	220	.17	8	0.8	2.2	5	SLE	
		29	1927	8.02	19	14.05	155	36.58	8.43	2.2	1.6	1.7	32	2	86	.20	2	0.5	1.3	15	LSW	
		29	21 1	31.49	19	20.19	155	11.52	8.08	2.0	2.2	2.0	45	2	81	.10	5	0.4	0.6	32	SF3	
		29	2243	4.14	19	25.58	155	15.94	9.10	2.5	3.0	1.8	19	3	91	.16	2	0.7	0.7	16	INT	L
		29	2246	58.91	19	24.97	155	15.29	6.41	1.7	1.7	1.3	16	2	131	.12	2	0.8	0.7	16	INT	L
		29	2256	57.25	19	25.58	155	15.71	7.07	1.6	1.5	1.1	17	2	146	.14	3	1.0	0.7	16	INT	L
		29	23 8	18.91	19	24.18	155	17.24	7.56	2.1	2.3	1.5	19	3	62	.14	1	0.6	0.9	16	INT	L
		29	2331	37.43	19	26.84	155	13.97	7.55	1.8	2.0	1.3	16	3	258	.17	4	1.2	0.9	14	GLN	L
		30	047	26.94	19	28.12	155	14.04	23.24	2.3	2.4	2.3	64	14	49	.12	5	0.4	0.4	50	DEP	
		30	228	25.86	19	24.93	155	15.52	5.93	1.7	1.8	1.2	19	4	122	.14	2	0.8	0.6	16	INT	L
		30	245	55.91	19	26.15	154	54.55	2.43	2.1	1.2	1.4	28	3	165	.16	3	0.8	0.5	28	SLE	
		30	356	7.78	19	25.77	155	15.84	6.52	1.9	2.0	1.1	16	1	148	.14	3	0.7	0.8	16	INT	L
		30	540	38.31	19	20.17	155	11.67	8.47	1.5	1.5	1.6	35	4	81	.12	5	0.5	0.7	31	SF3	
		30	549	5.58	19	23.80	155	15.50	0.36	1.5	1.9	1.2	19	4	78	.16	2	0.3	0.4	15	SEC	L
		30	625	16.17	19	24.16	155	17.71	8.21	1.6	3.1	1.1	19	4	59	.14	2	0.7	0.8	16	INT	L
		30	639	30.96	19	20.31	155	11.69	8.58	2.1	2.5	2.1	47	4	78	.14	5	0.4	0.6	46	SF3	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUN	30	844	5.78	19	24.36	155	2.14	5.52		1.4	1.5	29	3	114	.17	3	0.6	1.3	27	SF5	
		30	848	14.09	19	24.03	155	1.70	7.47	1.7	2.0	1.6	32	2	125	.15	4	0.5	0.7	31	SF5	
		30	1121	24.37	19	23.39	155	18.57	6.05	2.1	2.4	1.4	15	2	126	.13	2	0.6	1.1	15	INT	L
		30	1614	30.21	19	22.83	155	17.83	10.55	2.2	3.0	1.5	17	2	72	.21	2	1.1	1.5	15	INT	L
		30	1830	37.52	19	24.60	155	17.28	1.96	1.6	1.6	1.3	15	5	148	.14	1	0.6	0.3	10	SNC	
		30	1910	57.97	19	13.76	155	26.56	7.41	1.7	2.2	1.7	37	6	119	.13	5	0.4	0.8	32	LSW	
		30	20 0	47.41	19	27.00	154	56.00	6.07	2.3	2.5	2.1	34	5	139	.13	2	0.6	0.6	31	LER	
		30	2117	17.39	19	26.37	155	14.65	1.10	1.6	1.9	1.2	18	3	211	.20	3	0.5	1.0	16	SNC	L
		30	2250	16.15	19	23.36	155	16.63	11.32	2.5	3.2	1.8	16	8	131	.12	1	1.4	0.7	10	INT	L
		30	2252	58.35	19	25.72	155	20.19	3.58	2.2	2.5	1.4	16	7	81	.14	4	0.8	1.1	10	KAO	L
		30	2259	42.84	19	28.55	155	15.81	9.94	1.9	1.7	1.1	16	6	257	.12	7	1.2	1.0	12	GLN	L
		30	2319	25.71	19	27.12	154	53.22	7.27	2.0	2.4	1.9	30	4	151	.13	4	0.7	0.5	29	LER	L
	JUL	1	018	55.78	19	19.22	155	13.22	6.38	1.4	2.0	1.6	51	5	77	.18	4	0.4	0.7	46	SF2	
		1	133	46.12	19	23.40	155	2.64	8.55	1.7	1.6	1.8	41	4	121	.14	3	0.5	0.3	41	SF5	
		1	2 3	48.10	19	20.96	155	6.40	7.96	2.3	2.7	2.2	57	11	95	.13	5	0.3	0.3	49	SF4	
		1	215	12.22	19	24.29	155	16.21	10.33	2.1	2.6	1.5	19	3	84	.18	1	1.1	0.8	16	INT	L
		1	421	29.16	19	23.88	155	17.60	9.81	2.1	2.6	1.4	16	2	59	.14	1	0.8	1.0	16	INT	L
		1	546	12.74	19	25.59	154	59.59	7.23	0.7	1.2	1.4	29	3	118	.16	2	0.9	0.7	28	LER	
		1	632	22.08	19	27.33	155	21.94	24.63	2.2	2.4	2.1	65	15	75	.11	2	0.4	0.3	51	DML	
		1	713	50.79	19	20.80	155	17.65	28.69	1.8	1.6	1.6	36	4	37	.10	1	0.7	1.1	33	DEP	
		1	722	54.42	19	23.29	154	59.10	6.61	2.1	1.9	1.9	47	8	167	.16	3	0.4	0.4	42	LER	
		1	8 5	37.98	19	19.18	155	8.44	6.47	1.6	1.8	1.5	31	7	83	.10	3	0.4	0.9	26	SF4	
		1	917	15.74	19	0.44	155	23.16	28.46	2.7	2.7	2.4	52	9	221	.12	19	0.9	1.0	45	LOI	
		1	942	51.87	19	25.44	155	17.23	9.89	2.1	2.9	1.5	15	4	93	.16	1	1.0	1.0	12	INT	L
		1	1240	19.57	19	23.28	155	18.69	9.21	1.8	1.9	1.3	13	2	106	.18	4	1.0	1.5	12	INT	L
		1	1657	40.35	19	26.25	155	15.38	4.48	2.2	2.9	1.7	11	5	185	.13	3	0.8	0.9	8	SNC	L
		1	1815	33.74	19	26.96	155	16.16	7.19	1.7	2.3	1.2	17	7	172	.15	2	0.8	0.9	12	INT	L
		1	21 8	55.78	19	27.80	154	53.54	9.16	2.1	1.8	1.8	30	4	142	.18	3	1.0	0.5	26	LER	
		1	2340	17.60	19	22.70	155	4.55	8.22	1.8	1.7	1.8	34	5	85	.17	3	0.4	0.5	28	SF5	
		2	024	1.16	19	25.36	154	59.29	6.11		1.2	1.5	24	3	100	.07	1	0.4	1.0	23	LER	
		2	039	47.58	19	26.95	155	16.71	13.49	2.5	3.1	1.7	19	7	133	.22	2	1.7	1.2	14	DEP	L
		2	050	25.26	19	24.11	155	19.19	1.36	1.7	1.9	1.3	13	5	133	.15	4	0.5	0.5	11	KAO	L
		2	056	55.03	19	20.26	155	12.71	11.15	1.2	1.2	1.2	22	8	71	.08	4	0.4	0.7	14	SF2	
		2	233	58.67	19	27.59	155	16.64	13.14	1.9	1.9	1.3	12	3	140	.15	0	2.1	1.0	1	DEP	L
		2	4 6	15.45	19	21.63	155	16.47	8.42	1.9	2.9	1.4	9	2	233	.16	2	1.7	2.8	1	SF1	L
		2	546	22.98	19	22.77	155	19.01	14.52	2.5	3.0	1.7	17	4	176	.13	2	1.3	1.0	2	DEP	L
		2	650	41.52	19	22.82	155	4.09	8.47	2.8	3.3	3.0	53	10	90	.12	3	0.3	0.5	32	SF5	
		2	7 4	3.13	19	19.69	155	7.99	8.38		1.7	1.5	18	3	92	.05	4	0.6	1.2	13	SF4	
		2	756	15.92	19	23.11	155	4.00	8.94	1.1	1.4	1.5	18	1	95	.04	2	0.5	0.9	13	SF5	
		2	822	23.40	19	20.90	154	56.52	0.65	1.2	2.2	1.5	17	1	224	.17	9	1.2	2.4	4	SLE	
		2	839	34.73	19	20.06	155	7.83	6.07		1.4	1.5	27	2	91	.10	5	0.4	0.9	8	SF4	
		2	855	3.12	19	20.54	155	4.50	7.50	1.8	1.9	1.8	36	0	113	.11	3	0.4	0.6	18	SF5	
		2	1018	18.62	19	22.04	155	5.15	8.92	2.0	2.0	1.9	32	1	75	.08	5	0.3	0.5	20	SF5	
		2	1019	46.87	19	20.96	155	4.78	7.44	0.8	1.2	1.5	12	1	99	.08	4	0.6	1.3	6	SF5	
		2	1040	33.10	19	20.51	155	7.58	8.61	2.9	3.1	3.1	53	7	90	.12	5	0.3	0.5	39	SF4	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	2	1348	59.04	19	23.53	155	14.65	3.44	2.4	3.1	1.7	9	3	107	.07	2	0.6	1.1	1	SEC L
		2	1352	34.84	19	23.82	155	16.01	7.42	2.1	2.2	1.6	16	2	70	.14	1	0.6	1.1	1	INT L
		2	1354	5.90	19	24.39	155	17.63	7.93	1.8		1.5	8	0	126	.12	2	1.2	3.0	0	INT L
		2	1358	5.81	19	24.40	155	17.50	7.92	1.7	1.9	1.2	13	4	139	.13	1	1.6	0.8	2	INT L
		2	1414	36.85	19	17.29	155	17.95	4.57	2.3	2.2	1.7	9	1	322	.19	10	3.9	18.8	0	SWR L*
		2	1538	17.08	19	21.80	155	0.28	1.92		1.5	1.7	12	0	177	.09	6	0.8	1.8	6	SSF
		2	17	7 23.44	19	21.75	155	5.47	7.64	1.6	1.9	1.7	26	1	101	.08	5	0.4	0.9	15	SF4
		2	1834	51.53	19	26.21	155	19.45	0.03	1.8	2.3	1.6	9	1	173	.38	4	1.1	2.1	1	KAO L*
		2	2013	40.81	19	23.42	155	18.89	5.21	1.5	1.8	1.3	10	0	181	.17	3	2.9	2.0	0	INT L
		2	2145	60.00	19	23.12	155	2.52	8.87	2.0	1.9	2.0	42	4	119	.12	4	0.5	0.3	42	SF5
		2	2149	30.44	19	25.56	155	14.36	8.17	2.3		1.5	18	4	221	.17	2	1.3	0.8	16	INT L
		2	2225	18.33	19	21.07	155	5.50	9.02		1.2	1.3	23	3	97	.12	5	0.6	0.7	22	SF4
		3	019	27.73	19	24.48	155	16.46	7.05	1.7	2.0	1.1	19	4	87	.12	1	0.7	0.5	16	INT L
		3	2	7 9.28	19	24.99	155	15.61	9.44	2.2	3.0	1.5	19	4	123	.16	2	1.1	0.6	16	INT L
		3	226	42.27	19	26.02	155	14.91	1.31	1.5	2.3	1.3	18	2	196	.14	3	0.4	0.7	16	SNC L
		3	459	10.77	19	21.02	155	4.31	6.78	1.7	2.0	1.6	35	2	94	.14	3	0.5	0.6	35	SF5
		3	521	17.76	19	23.47	155	17.40	6.51	1.9	2.7	1.3	17	3	113	.14	1	0.7	0.9	15	INT L
		3	534	59.65	19	20.44	155	4.20	7.57	1.7	2.1	1.8	39	3	116	.12	2	0.5	0.5	39	SF5
		3	622	34.78	19	14.60	155	31.81	5.79	1.8	1.7	1.5	36	5	67	.15	3	0.4	0.9	34	LSW
		3	710	44.62	19	30.20	155	27.56	3.56	2.6	2.7	2.1	52	11	60	.13	3	0.3	0.7	46	MLO
		3	842	29.65	19	20.22	155	4.05	6.91	1.7	1.6	1.6	30	2	127	.12	2	0.6	0.8	32	SF5
		3	933	6.68	19	25.28	155	18.47	9.97	2.5		1.5	13	4	226	.09	2	1.1	0.6	8	INT L
		3	935	4.62	19	20.90	155	5.95	7.98	2.6		2.8	46	4	99	.11	5	0.4	0.5	43	SF4
		3	939	24.07	19	22.95	155	18.80	6.10	2.4	2.7	1.6	20	4	83	.25	2	0.8	1.8	16	INT L
		3	11	4 36.23	19	22.25	155	5.09	6.73	1.4	1.6	1.8	41	3	74	.12	4	0.3	0.8	38	SF5
		3	1250	53.38	19	20.69	155	18.19	12.25	2.4	2.3	1.7	13	2	225	.12	5	1.4	1.9	0	SWR L
		3	1426	6.23	19	19.09	155	16.32	7.05	1.4	1.0	1.4	26	3	110	.07	3	0.4	0.8	17	SF1
		3	1545	10.40	19	15.89	155	25.53	7.21		1.2	1.2	15	2	123	.08	4	0.5	1.3	4	LSW
		3	1716	25.81	19	20.89	155	8.21	8.27	1.6	1.6	1.8	40	3	132	.10	4	0.4	0.5	28	SF4
		3	1757	35.42	19	15.35	155	16.49	5.01	2.6	2.2	1.6	11	3	282	.28	13	2.3	21.0	2	SF1 L*
		3	2014	19.61	19	20.66	155	5.11	7.35	1.1	1.2	1.7	45	4	109	.14	4	0.4	0.5	43	SF5
		3	21	7 18.91	19	25.83	155	16.48	8.17	2.0	1.7	1.3	17	3	124	.14	2	1.0	0.5	16	INT L
		3	2237	25.38	19	25.10	155	15.89	6.89	2.3	2.6	1.6	18	4	120	.16	2	1.0	0.6	16	INT L
		4	017	14.86	19	21.26	155	29.04	6.08	2.1	1.7	1.8	45	5	41	.12	3	0.3	0.6	41	KAO
		4	233	27.01	19	25.41	155	14.56	9.33	2.1	2.0	1.5	16	3	224	.06	1	1.1	0.6	15	INT L
		4	317	27.61	19	29.07	155	25.39	1.84	1.4	1.0	1.0	22	5	94	.18	4	0.4	1.1	17	KAO
		4	539	2.29	19	24.15	155	16.87	11.53	2.5	2.8	1.4	18	3	75	.12	1	0.9	0.8	15	INT L
		4	826	40.13	19	24.42	155	17.51	6.51	2.0	2.1	1.4	17	3	55	.12	1	0.7	0.6	16	INT L
		4	1014	25.62	19	24.98	155	15.57	9.62	1.7	1.7	1.2	18	2	124	.13	2	0.9	0.8	16	INT L
		4	1554	7.18	19	13.78	155	16.67	4.86	3.0		2.0	9	1	314	.09	16	2.6	12.6	0	SSF L*
		4	1555	59.30	19	26.17	155	17.03	7.55	2.0		1.8	9	1	109	.18	2	1.4	2.5	1	INT L
		4	1556	44.33	19	25.13	155	16.83	9.46	2.2		1.7	15	3	155	.07	1	1.3	0.6	1	INT L
		4	16	9 18.90	19	24.49	155	14.73	7.73	2.1	2.5	1.4	11	1	145	.15	1	1.3	1.6	1	INT L
		4	1859	27.47	19	26.90	155	17.30	10.85	2.0	1.8	1.3	14	4	110	.10	2	1.4	0.9	1	INT L
		4	1924	23.34	19	22.08	155	48.59	10.78	2.4	2.2	1.7	33	3	166	.13	13	0.6	0.4	20	KON

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	4	2013	23.51	19	25.71	155	15.58	13.23	2.0	2.2	1.2	10	2	199	.13	3	3.1	1.3	0	DEP L
		4	2146	59.37	19	24.47	155	16.54	8.23	1.8	2.1	1.3	18	3	86	.14	1	0.8	0.6	15	INT L
		4	2250	15.41	19	25.55	155	15.52	7.93	1.8		1.3	16	2	153	.12	3	1.0	0.8	15	INT L
		4	2359	50.76	19	24.85	155	15.13	9.64	2.1	2.5	1.3	16	2	128	.15	1	1.3	0.8	16	INT L
		5	122	21.24	19	24.68	155	17.71	8.50	1.8	2.0	1.2	17	2	80	.12	1	0.7	0.7	16	INT L
		5	143	57.40	19	20.77	155	3.89	7.34		1.2	1.5	32	2	96	.15	2	0.5	0.6	33	SF5
		5	152	34.93	19	19.55	155	12.04	8.29	2.1	2.4	2.0	51	9	89	.12	5	0.4	0.4	43	SF3
		5	329	45.34	19	25.80	154	56.88	6.00	1.9	1.9	1.9	34	2	151	.14	3	0.5	0.6	32	LER
		5	440	11.77	19	24.28	155	16.65	8.64	2.3	2.9	1.6	15	2	80	.17	1	1.1	0.9	16	INT L
		5	539	53.93	19	24.81	155	17.06	6.94	1.7	1.8	1.1	18	3	59	.13	0	0.7	0.6	15	INT L
		5	752	50.46	19	25.27	155	15.93	8.06	2.0	2.4	1.4	18	3	126	.11	2	0.8	0.5	16	INT L
		5	927	1.54	19	23.92	155	17.90	9.56	2.1	2.3	1.3	17	2	61	.09	2	0.6	0.9	16	INT L
		5	929	2.85	19	22.35	155	4.59	8.38	2.0	2.1	1.9	41	7	84	.12	4	0.4	0.3	36	SF5
		5	1234	54.56	19	19.18	155	6.70	8.27	2.4	2.8	2.5	44	5	135	.13	4	0.4	0.5	33	SF4
		5	1316	57.48	19	24.61	155	16.81	12.91	2.3	2.8	1.6	16	3	87	.21	1	1.8	1.5	1	INT L
		5	1329	0.47	19	21.47	155	7.09	8.61	2.7	3.0	2.9	52	9	81	.10	4	0.3	0.5	40	SF4
		5	1625	59.14	19	20.30	155	11.81	8.73	2.1	2.4	1.8	40	3	77	.11	5	0.4	0.7	26	SF3
		5	1711	54.20	19	22.89	155	4.26	9.31		1.3	1.4	12	1	106	.08	3	0.7	1.1	5	SF5
		5	2210	10.83	19	19.26	155	7.52	6.93			1.3	24	2	112	.10	4	0.6	1.0	23	SF4
		5	2349	1.80	19	24.32	155	15.50	7.05	2.5		1.8	16	2	120	.12	2	0.9	0.6	15	INT L
		6	220	57.00	19	19.41	155	11.60	8.85	2.5		2.7	54	9	97	.11	6	0.3	0.3	49	SF3
		6	343	56.30	19	20.94	155	6.17	8.11			1.4	27	3	98	.12	5	0.5	0.7	26	SF4
		6	554	28.56	19	23.29	155	2.66	7.14	1.7		1.3	26	4	122	.14	3	0.6	0.9	23	SF5
		6	827	26.90	19	17.89	155	4.38	40.63	2.0	1.8	1.8	42	8	203	.09	5	1.1	0.8	34	DEP
		6	9	1 52.66	19	17.97	155	12.96	9.65		1.2	1.3	21	4	110	.09	2	0.6	0.9	17	SF2
		6	10	3 13.91	19	25.93	155	15.02	10.38	2.4	2.7	1.7	23	7	168	.17	3	1.0	0.7	18	INT L
		6	1038	4.16	19	20.89	155	4.44	5.98		1.6	1.6	33	5	100	.14	3	0.5	1.0	29	SF5
		6	1118	16.41	19	22.78	155	3.00	8.02	2.0	2.4	2.0	37	4	111	.13	3	0.5	0.5	36	SF5
		6	1245	10.84	19	21.82	155	2.39	8.12	2.2	2.4	2.1	40	7	142	.12	4	0.4	0.5	33	SF5
		6	1318	18.88	19	26.99	155	17.12	9.94	1.8	2.0	1.4	17	6	210	.18	3	1.7	0.8	10	INT L
		6	1445	9.86	19	22.15	155	2.77	8.78	2.2	2.7	2.1	46	6	120	.11	4	0.5	0.4	42	SF5
		6	1559	35.17	19	20.36	155	5.97	8.23	2.4	2.8	2.4	51	5	113	.12	5	0.4	0.5	31	SF4
		6	1810	20.85	19	23.14	155	17.32	14.69	2.7	2.8	1.6	15	4	102	.11	1	1.6	1.0	0	DEP L
		6	1814	58.90	19	19.23	155	8.91	5.96		1.3	1.5	17	2	109	.08	4	0.5	1.3	12	SF4
		6	1935	48.77	19	26.95	154	53.41	5.67		1.2	1.8	11	0	155	.08	3	0.7	1.2	6	LER
		6	2041	21.83	19	25.02	155	15.78	10.66	1.9	1.6	1.3	16	4	163	.21	2	2.0	1.0	2	INT L
		6	2131	20.72	19	25.10	155	16.19	8.04	1.7	2.2	1.2	18	4	112	.13	1	1.0	0.7	15	INT L
		6	2248	14.67	19	24.83	155	16.69	7.50	1.9	2.3	1.3	16	3	93	.18	1	1.0	0.6	15	INT L
		6	23	1 17.52	19	24.44	155	16.25	8.01	2.1	2.5	1.2	19	4	133	.13	1	0.9	0.6	16	INT L
		7	1	3 27.45	19	20.36	155	10.64	7.98	1.5	1.7	1.6	47	8	80	.11	3	0.4	0.3	40	SF3
		7	2	1 28.89	19	7.43	155	23.76	38.21		2.0	1.7	34	4	196	.11	8	1.2	0.9	30	LOI
		7	3	6 50.17	19	24.07	155	17.14	8.86	1.7	1.7	1.1	19	4	68	.16	1	0.9	0.9	16	INT L
		7	552	24.15	19	23.86	155	15.70	6.73	1.6		1.2	15	2	201	.12	2	1.1	0.6	15	INT L
		7	747	24.63	19	24.95	155	15.35	3.39	2.2	2.6	1.9	19	3	128	.17	2	0.7	0.6	17	SNC L
		7	11	4 4.93	19	20.46	155	3.83	6.55	1.7	1.3	1.4	36	7	110	.14	2	0.5	0.6	32	SF5 L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	7	1142	37.68	19	23.63	155	16.93	5.83	1.9	1.5	1.4	15	1	53	.13	1	0.6	1.0	15	INT L
		7	1759	22.04	19	20.42	155	6.47	8.95	2.1	2.0	2.3	53	7	107	.13	6	0.4	0.4	46	SF4
		7	1935	27.09	19	25.40	155	15.87	0.26	1.9	2.2	1.8	15	1	133	.13	2	0.3	0.6	14	SNC L
		7	1947	22.91	19	25.08	155	15.21	3.61	1.9	1.8	1.5	16	1	142	.12	2	0.5	0.4	16	SNC L
		7	2010	13.14	19	25.88	155	15.99	10.41	1.9	1.6	1.6	13	2	145	.13	3	1.5	0.8	11	INT L
		8	128	42.64	19	23.14	155	2.82	7.86	1.7	1.3	1.8	39	3	114	.20	3	0.8	0.6	36	SF5
		8	312	33.26	19	20.28	155	4.12	6.91		1.3	1.6	36	3	124	.12	2	0.6	0.8	34	SF5
		8	614	48.98	19	25.02	155	14.48	8.38	2.4	3.0	1.8	20	3	187	.13	1	1.0	0.6	17	INT L
		8	622	25.23	19	22.68	155	14.05	10.85	2.0	1.4	1.5	12	2	238	.13	3	1.2	1.2	11	INT L
		8	629	28.15	19	20.22	155	7.86	8.79		1.2	1.4	34	6	89	.08	5	0.4	0.5	28	SF4 L
		8	8 8	3.16	19	18.59	155	18.06	32.91	2.4	2.7	2.8	57	7	112	.12	2	0.6	0.6	50	DEP
		8	911	9.71	19	24.67	155	17.64	11.08	2.1	1.9	1.5	17	3	54	.10	1	0.9	0.7	16	INT L
		8	1057	53.76	19	24.42	155	18.04	9.12	1.9	1.7	1.2	18	2	58	.16	2	0.8	1.0	16	INT L
		8	1114	51.69	19	24.63	155	17.23	9.26	1.8	1.8	1.2	17	2	51	.13	1	1.0	0.9	15	INT L
		8	1138	10.63	19	24.02	155	15.79	3.77	1.7	1.3	1.1	18	5	115	.11	1	0.6	0.4	16	SEC L
		8	12 5	9.48	19	25.94	155	15.31	10.38	1.9	1.4	1.3	19	3	178	.12	3	1.1	0.6	16	INT L
		8	1216	35.41	19	25.71	155	15.87	9.02	2.0	2.2	1.5	19	3	145	.12	2	1.0	0.6	16	INT L
		8	1228	31.60	19	23.37	155	14.71	50.36	2.1	2.9	1.6	23	4	112	.08	6	1.4	0.8	19	DEP L
		8	13 1	14.51	19	27.98	154	53.08	7.33	1.1	1.5	1.7	31	3	122	.13	3	0.7	0.6	29	LER
		8	1418	27.63	19	25.68	155	18.37	12.78	1.9	1.4	1.2	17	3	85	.18	1	1.4	0.8	16	INT L
		8	1625	25.56	19	24.52	155	16.13	11.30	2.1	1.3	1.4	16	2	93	.13	1	1.1	0.9	16	INT L
		8	1952	8.84	19	24.91	155	16.99	8.10	2.4	2.1	1.8	19	2	90	.11	0	0.6	0.6	17	INT L
		8	1953	55.50	19	22.82	155	16.32	9.57	2.0	1.2	1.6	13	3	150	.09	1	1.1	0.8	10	INT L
		8	1958	5.26	19	24.32	155	15.49	0.11	1.5	1.1	1.3	18	4	89	.11	2	0.2	0.4	15	SEC L
		8	20 7	14.00	19	24.47	155	16.42	8.84	1.6	1.2	1.2	18	2	88	.14	1	0.8	0.8	17	INT L
		9	153	43.51	19	20.99	155	15.21	30.79	2.7	2.5	2.6	59	9	70	.12	3	0.6	0.4	51	DEP
		9	2 2	8.25	19	26.23	155	15.22	0.01	1.9	1.8	1.1	14	2	191	.12	3	0.3	0.7	13	SNC L*
		9	237	26.43	19	27.31	155	13.41	1.63	2.1	2.1	1.6	8	3	152	.32	5	2.2	2.2	1	GLN L
		9	420	2.69	19	25.89	155	16.26	2.11	2.1	2.1	1.2	10	2	134	.10	2	0.3	0.6	2	SNC L
		9	818	30.42	19	24.09	155	18.52	5.56	1.8	2.3	1.3	10	2	149	.06	3	1.1	1.2	1	INT L
		9	1036	23.71	19	23.02	155	2.89	8.56	2.5	2.8	2.5	43	5	153	.11	3	0.4	0.5	25	SF5
		9	1053	20.52	19	21.91	155	30.36	10.09	2.7	2.9	2.6	49	10	32	.13	5	0.3	0.5	32	KAO
		9	1234	9.47	19	23.19	155	12.72	6.10	2.4		1.7	6	3	276	.05	1	2.2	3.3	1	SF2 L
		9	13 3	0.47	19	28.27	155	12.33	6.82	1.8	1.8	1.2	7	2	304	.03	11	2.8	7.4	1	GLN L*
		9	1358	35.13	19	26.74	155	19.22	9.73	2.4	2.6	1.7	12	2	124	.07	3	1.7	0.5	1	KAO L
		9	1642	51.55	19	30.62	155	15.74	10.02	2.1	2.2	2.0	53	12	82	.14	6	0.3	0.6	21	GLN L
		9	1657	37.95	19	24.99	155	17.93	10.19	2.0	2.3	1.3	13	3	78	.22	1	1.7	0.8	10	INT L
		9	19 0	32.97	19	23.70	155	0.64	8.90	1.8	2.1	1.9	45	8	143	.12	4	0.4	0.4	35	SF5
		9	20 4	15.51	19	36.55	155	49.65	10.87	2.7	2.6	2.1	36	6	137	.20	9	0.7	0.5	32	KON
		9	2029	56.43	19	24.36	155	16.72	2.67	2.0	2.7	1.5	11	2	81	.09	1	0.4	0.4	15	SSC L
		9	2116	42.78	19	19.17	155	9.91	7.03	1.5	1.5	1.6	30	4	104	.12	5	0.5	0.9	26	SF3
		9	2128	11.53	19	19.78	155	7.10	8.14	2.5	3.0	2.8	53	7	111	.12	5	0.3	0.4	47	SF4
		9	2353	53.38	19	19.78	155	8.02	6.89	1.9	2.2	1.9	44	8	90	.15	5	0.4	0.8	34	SF4
		10	1 9	16.48	19	19.36	154	51.49	11.12	2.5	1.5	1.7	20	4	259	.13	15	1.3	2.1	16	LER
		10	122	39.69	19	25.61	155	17.14	8.05	2.1	2.9	1.3	15	5	168	.14	1	1.3	0.6	11	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	10	237	20.52	19	19.45	155	6.86	6.25	1.6	1.7	1.6	30	2	124	.12	4	0.4	0.8	17	SF4
		10	3 2	42.69	19	24.45	155	15.64	9.15	2.4	3.0	1.6	22	4	78	.14	2	0.7	0.5	19	INT L
		10	343	33.32	19	24.87	155	17.30	11.32	2.6	3.0	1.5	18	3	111	.15	1	1.2	0.6	1	INT L
		10	638	26.03	19	22.22	155	2.70	6.81		1.2	1.6	28	0	131	.14	4	0.5	0.8	14	SF5
		10	810	29.87	19	27.23	155	10.46	19.94	2.3	2.8	1.3	10	2	318	.13	12	4.4	4.0	1	DEP L
		10	10 1	45.78	19	24.32	155	22.07	8.55	1.9	2.5	1.3	10	1	248	.08	7	1.8	2.3	2	KAO L
		10	1240	23.37	19	24.52	155	17.22	11.34	2.4	3.0	1.6	15	4	121	.14	1	1.4	0.7	2	INT L
		10	1244	42.15	19	23.22	155	19.24	8.50	2.2	2.6	1.6	11	3	111	.06	4	1.8	1.7	1	KAO L
		10	1624	7.75	19	25.27	155	17.32	11.12	2.2	2.5	1.6	21	5	88	.12	1	1.3	0.7	1	INT L
		10	1718	25.79	19	22.27	155	5.04	6.68	1.8	1.9	1.9	39	2	75	.11	4	0.3	0.7	22	SF5
		10	1752	1.43	19	30.60	155	11.90	8.49	2.1	2.5	1.6	6	1	316	.09	14	3.2	3.3	1	GLN L
		10	1951	11.68	19	25.80	155	16.57	11.99	2.4	2.9	1.2	15	3	119	.13	2	1.2	0.7	2	INT L
		11	125	4.75	19	24.76	155	16.21	12.01	1.8	1.6	1.2	17	5	100	.12	1	1.1	0.8	12	INT L
		11	417	32.08	19	19.64	155	6.99	7.46	1.2	1.2	1.6	32	6	116	.11	5	0.5	0.8	26	SF4
		11	455	27.68	19	24.86	154	58.75	6.27	1.8	2.1	1.9	33	5	149	.13	1	0.5	0.8	28	LER
		11	5 7	56.28	19	24.64	155	15.63	10.58	2.1	2.4	1.6	16	2	105	.14	2	1.1	0.8	15	INT L
		11	827	23.04	19	24.85	155	18.18	9.94	2.1	2.3	1.4	15	3	93	.17	1	1.0	1.0	12	INT L
		11	842	48.11	19	26.50	155	29.30	10.12	1.9	2.0	1.6	30	4	43	.11	7	0.4	0.7	27	KAO
		11	1658	25.40	19	25.11	155	16.24	11.66	2.4	2.8	1.5	15	2	116	.11	1	0.7	0.9	1	INT L
		11	1742	46.50	19	23.57	155	18.88	12.87	2.5	2.6	1.6	15	2	65	.18	1	1.5	1.6	1	INT L
		11	1946	26.67	19	22.61	155	2.73	9.63	2.0	2.3	2.0	34	3	118	.10	4	0.4	0.5	22	SF5
		11	2056	14.31	19	22.59	155	3.33	7.57	1.7	1.4	1.6	29	4	112	.15	4	0.5	0.7	11	SF5
		11	2146	4.27	19	22.10	155	6.17	6.21	1.9	1.5	1.7	39	6	75	.13	3	0.4	0.8	33	SF4
		11	2221	7.11	19	25.09	155	15.72	2.37	1.4	1.6	1.2	16	1	125	.08	2	0.3	0.3	15	SNC L
		11	2243	16.34	19	47.27	155	29.70	19.39		1.5	1.4	19	4	119	.13	4	0.9	0.8	15	KEA
		11	2312	41.67	19	30.53	155	15.98	24.59	2.1	1.6	1.7	56	14	101	.10	5	0.5	0.4	43	DEP
		12	058	42.41	19	15.93	155	33.27	8.73	1.8	1.4	1.5	24	4	96	.15	6	0.5	0.8	23	LSW
		12	210	24.70	19	25.04	155	15.86	10.40	2.4	2.9	1.8	15	1	118	.09	2	0.9	0.9	16	INT L
		12	343	44.76	19	25.20	155	15.76	5.70	1.5	1.5	1.1	18	3	129	.17	2	0.8	0.7	16	INT L
		12	548	7.69	19	24.41	155	16.81	9.51	1.9	2.0	1.2	19	4	81	.14	1	0.8	0.7	15	INT L
		12	8 0	48.15	19	24.47	155	0.32	7.72	2.1	2.5	2.0	41	7	143	.14	3	0.4	0.4	37	SF5
		12	1122	54.62	19	16.13	155	29.29	9.94	1.7	1.2	1.3	18	6	59	.09	2	0.4	0.7	14	LSW
		12	1152	50.11	19	24.95	155	16.60	12.69	2.2	2.3	1.5	14	3	98	.15	1	1.4	1.3	12	INT L
		12	1559	18.39	19	25.50	154	59.03	7.14	1.8	1.6	1.7	21	1	73	.10	1	0.5	0.5	10	LER
		12	1841	29.66	19	19.93	155	9.69	7.62	1.8	1.5	1.8	36	2	84	.09	4	0.4	0.6	21	SF3
		12	2142	44.39	19	22.68	155	4.34	7.85	0.8	1.6	1.4	28	2	89	.16	3	0.6	0.6	28	SF5
		12	22 5	41.78	19	24.28	155	17.27	7.63	2.2	3.0	1.6	17	2	59	.15	1	0.8	0.9	16	INT L
		12	2330	37.87	19	21.64	155	6.82	7.97		1.2	1.3	31	6	80	.13	3	0.4	0.5	25	SF4
		13	2 2	10.85	20	21.82	155	32.64	0.02	3.0	3.6	3.0	44	2	279	.15	36	1.5	0.6	52	KEA *
		13	436	43.37	20	26.28	155	27.51	4.46		1.9	2.1	23	4	293	.12	48	0.6	0.8	20	DIS
		13	555	16.78	19	21.21	154	52.80	11.42		1.3	1.6	22	1	242	.14	12	2.3	0.9	23	LER
		13	624	47.51	19	20.01	155	12.73	7.34	1.4	1.3	1.5	35	5	74	.13	5	0.4	0.6	31	SF2
		13	648	21.74	19	26.31	154	53.40	8.68	2.7	3.2	3.0	52	4	174	.11	4	0.7	0.3	48	LER
		13	732	28.82	19	24.88	155	17.65	11.05	2.4	3.1	1.4	20	4	71	.16	1	1.0	0.8	17	INT L
		13	15 3	14.64	19	25.55	155	20.15	0.89	2.0	2.9	1.4	9	0	148	.13	4	0.7	1.4	1	KAO L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	13	1553	56.92	19	21.01	155	28.96	6.03	1.9	1.5	1.5	19	2	43	.11	4	0.4	0.8	12	KAO
		13	1613	53.90	19	27.21	154	53.22	5.24		1.4	1.6	14	0	149	.09	4	0.8	1.3	9	LER
		13	23 6	14.10	19	25.11	155	16.76	8.88	2.4	2.7	1.7	18	2	99	.13	1	0.6	0.8	16	INT L
		14	014	48.13	19	22.57	155	5.94	7.97	2.9	3.4	3.0	55	9	67	.12	3	0.3	0.5	43	SF4
		14	220	55.01	19	23.97	155	14.99	10.57	2.0	2.0	1.2	12	3	168	.07	2	1.0	0.6	11	INT L
		14	823	21.07	19	25.64	155	16.48	11.66	2.2	2.6	1.4	8	0	119	.09	2	1.9	3.2	0	INT L
		14	1014	9.80	19	24.82	155	19.16	6.86	1.7	1.5	1.1	23	5	65	.09	2	0.4	0.7	15	KAO
		14	1314	12.16	19	19.83	155	8.12	7.26	2.1	2.3	2.0	35	3	87	.09	5	0.4	0.7	26	SF4
		14	1836	47.55	19	19.75	155	4.22	7.21	2.3	2.9	2.3	43	6	203	.13	9	0.5	0.7	40	SF5
		14	1953	5.64	19	26.15	155	14.36	3.90	2.1	2.9	1.7	16	1	214	.19	3	1.1	1.3	16	SNC L
		14	2129	21.54	19	21.49	154	56.92	12.08	1.9	1.3	1.7	21	1	224	.14	7	1.9	0.6	21	LER
		14	2220	9.82	19	25.00	155	15.91	2.40	1.9		1.4	16	4	234	.14	2	1.2	0.4	13	SNC
		15	017	49.16	19	25.36	155	1.11	6.99		1.2	1.6	29	3	103	.13	4	0.6	1.0	28	SF5
		15	2 7	57.86	19	18.62	155	7.71	6.89	1.6	1.4	1.5	26	4	225	.12	7	1.3	1.7	24	SF4
		15	257	12.45	19	26.47	155	15.83	5.52	1.6	2.2	1.2	14	1	205	.14	4	1.0	1.0	14	INT L
		15	343	58.91	19	31.94	155	53.90	9.38	2.8	3.0	2.6	47	7	176	.22	5	0.6	0.4	43	KON
		15	10 8	46.90	19	24.65	155	15.86	8.32	2.3	3.0	1.8	14	0	101	.12	2	0.9	1.7	16	INT L
		15	1226	28.94	19	20.42	155	13.08	7.40	2.0	2.0	1.9	41	6	65	.13	4	0.4	0.6	35	SF2
		15	1420	4.33	19	20.52	155	6.06	8.02	2.6	3.3	2.8	49	7	109	.12	6	0.4	0.6	44	SF4
		15	1938	52.18	19	21.38	155	6.99	8.03	2.1	2.4	1.8	41	7	82	.12	4	0.5	0.6	38	SF4
		15	2124	52.70	19	12.08	155	28.55	5.79	2.1	2.2	1.9	33	4	91	.15	5	0.4	1.4	27	LSW F
		15	2344	54.05	19	27.47	154	53.78	7.35	2.1	1.9	1.8	28	1	138	.10	3	0.6	0.5	10	LER
		16	0 4	30.86	19	24.86	155	16.71	11.86	1.9	1.6	1.2	17	4	117	.12	1	1.1	0.6	2	INT L
		16	036	58.01	19	25.38	155	16.09	12.38	1.9	1.9	1.3	19	5	126	.13	2	1.4	0.8	1	INT L
		16	059	23.96	19	26.78	155	15.23	12.99	2.0	1.9	1.2	19	4	185	.10	3	1.3	0.7	1	INT L
		16	2 0	45.25	19	27.78	155	12.98	13.98	2.1	1.8	1.4	12	2	292	.14	6	2.3	1.6	1	DEP L
		16	217	45.87	19	19.53	155	8.97	7.48	1.6	1.4	1.6	27	2	84	.05	4	0.4	0.8	8	SF4
		16	3 2	5.68	19	19.57	155	8.95	7.73	1.9	2.1	1.8	36	4	83	.07	4	0.4	0.6	20	SF4
		16	635	12.67	19	25.53	155	16.26	18.50	2.5	2.9	1.5	17	2	123	.09	2	1.5	1.0	1	DEP L
		16	7 3	50.75	19	22.98	155	3.13	8.40	1.7	2.0	1.8	36	4	114	.13	3	0.6	0.4	33	SF5
		16	713	30.66	19	23.94	155	16.91	10.67	2.5	3.0	1.7	17	5	77	.15	1	1.0	0.6	14	INT L
		16	721	3.31	19	25.78	155	17.32	8.19	1.7	1.6	1.3	14	5	95	.16	1	1.4	0.7	9	INT L
		16	740	47.18	19	25.87	155	16.89	7.50	1.8	1.7	1.3	15	4	111	.20	2	1.3	1.6	11	INT L
		16	757	53.57	19	25.58	155	16.09	10.67	2.0	2.3	1.4	18	7	132	.15	2	1.2	0.8	11	INT L
		16	820	29.39	19	26.36	155	17.30	10.72	2.0	1.8	1.3	19	7	98	.11	2	1.3	0.7	12	INT L
		16	849	51.49	19	25.54	155	16.40	12.46		1.8	1.2	13	5	176	.10	2	1.9	0.8	8	INT L
		16	1112	49.75	19	25.30	155	16.77	9.21	2.4	2.9	1.5	15	4	125	.14	1	1.2	0.6	1	INT L
		16	1624	35.31	19	22.06	155	5.03	8.87		1.2	1.5	15	0	75	.04	5	0.5	1.4	12	SF5
		16	21 2	54.51	19	24.76	155	17.43	10.97	2.4	2.8	1.6	17	6	84	.10	1	0.9	0.5	12	INT L
		16	2328	0.61	20	42.75	154	53.29	40.67		2.7	2.3	23	4	302	.09	103	2.1	3.3	19	DIS
		17	129	45.74	19	24.01	155	10.75	4.78	2.5	3.2	1.7	10	2	295	.11	5	1.3	4.0	1	SER L
		17	319	30.60	19	19.73	155	9.81	8.38	1.5	1.6	1.6	33	4	89	.07	4	0.4	0.7	20	SF3
		17	510	39.33	19	21.00	155	21.45	18.12	2.6	2.9	1.5	11	0	288	.12	6	9.2	8.1	1	DEP L*
		17	1122	0.80	19	21.21	155	16.99	7.40	2.0	2.5	1.5	9	0	204	.10	3	1.3	2.3	0	SWR L
		17	1235	13.20	19	20.41	155	4.05	6.81	1.8	2.0	1.9	37	2	116	.11	2	0.4	0.8	21	SF5

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	17	1248	3.06	19	26.06	155	23.39	4.54	2.3	2.7	1.5	9	2	320	.10	10	2.5	14.5	1	KAO L*
		17	1250	17.77	19	18.76	155	13.99	7.80	1.7	1.9	1.7	36	3	96	.08	3	0.4	0.6	17	SF2
		17	1352	27.23	19	24.89	155	18.18	7.86	2.2	2.5	1.5	11	2	131	.20	1	1.1	1.3	0	INT L
		17	1629	34.39	19	23.49	155	16.09	8.29	1.8	2.0	1.3	10	2	92	.04	1	1.6	1.9	2	INT L
		17	1812	55.60	19	21.99	155	3.01	8.93	2.6	3.1	2.9	53	7	114	.11	4	0.3	0.4	35	SF5
		17	1927	59.63	19	25.54	155	15.84	14.37	2.2	2.7	1.5	22	5	140	.10	2	0.7	0.7	6	DEP L
		17	21 6	6.06	19	19.56	155	12.28	6.74		1.1	1.3	30	5	86	.11	5	0.4	0.6	26	SF3
		18	022	34.30	19	21.72	155	27.39	51.76		2.1	1.6	16	5	201	.22	1	3.2	1.5	12	DML
		18	2 0	40.07	19	23.84	155	16.79	9.63	2.4	2.8	1.5	16	5	76	.13	0	0.8	0.6	12	INT L
		18	5 7	6.68	19	19.62	155	7.00	7.47	1.6	1.7	1.7	31	6	117	.09	5	0.5	0.7	25	SF4
		18	539	47.75	19	25.06	155	17.41	10.14	2.3	2.9	1.6	16	5	104	.08	1	1.1	0.6	10	INT L
		18	628	43.04	19	21.20	155	4.45	7.37	1.3	1.4	1.7	26	5	89	.16	4	0.5	0.7	22	SF5
		18	945	22.77	19	20.20	155	4.61	7.59	2.0	2.4	2.0	39	7	128	.13	3	0.4	0.6	33	SF5
		18	1142	29.37	19	20.17	155	6.95	7.72	1.6	1.2	1.5	22	3	105	.10	6	0.6	0.9	20	SF4
		18	13 1	38.05	19	19.60	155	8.63	5.62	1.6	1.3	1.6	19	4	78	.09	4	0.5	1.1	16	SF4
		18	15 0	3.09	19	25.08	155	15.34	7.36	1.9	2.3	1.4	16	2	137	.15	2	0.8	0.6	15	INT L
		18	15 6	18.41	19	24.60	155	16.49	7.05	1.7	1.5	1.2	14	1	90	.08	1	0.7	0.5	14	INT L
		18	1648	43.65	19	21.95	155	27.44	10.45	1.9	1.9	1.5	21	2	67	.10	1	0.5	0.6	14	KAO L
		18	1717	14.94	19	21.61	155	12.79	6.45	2.5	2.7	1.7	15	3	157	.31	2	1.4	2.7	0	SF2 L
		18	1759	2.19	19	46.23	156	6.87	9.85	2.8	3.0	2.3	21	2	246	.13	38	1.6	0.9	10	HUA
		18	1823	29.28	19	46.03	156	9.14	9.72	3.0	3.5	3.0	43	3	255	.11	40	1.2	0.8	37	HUA
		18	21 5	25.54	19	20.90	155	5.94	8.48	2.5	3.1	2.7	50	2	100	.11	5	0.4	0.5	35	SF4
		18	2224	32.24	19	22.03	155	26.79	9.91		1.7	1.3	30	4	62	.12	2	0.4	0.3	27	KAO
		19	352	22.19	19	23.01	155	3.84	8.51	2.1	2.3		29	3	98	.13	3	0.5	0.5	24	SF5
		19	415	8.08	19	46.11	156	5.24	8.46	3.1	3.4		33	4	241	.15	28	1.3	0.8	24	HUA
		19	436	43.55	19	47.05	156	5.93	8.53	2.4	2.4		20	2	244	.10	29	1.3	0.8	15	HUA
		19	527	2.90	19	21.93	155	4.90	6.13	1.6	1.7		27	2	76	.11	5	0.4	0.9	25	SF5
		19	545	7.65	19	19.87	155	12.26	7.69	1.7	1.8		27	1	81	.12	5	0.5	0.8	25	SF3
		19	8 7	58.10	19	19.41	155	11.68	7.25	1.8	1.8	1.7	39	5	96	.11	5	0.4	0.5	34	SF3
		19	935	39.65	19	24.90	155	17.03	10.88	1.9	1.6	1.3	20	4	89	.12	0	0.9	0.6	16	INT L
		19	958	8.84	19	26.46	155	14.25	2.99	1.8	2.2	1.5	18	4	224	.12	3	0.5	0.9	16	SNC L
		19	1422	0.96	19	20.10	155	4.58	7.93	2.0	2.0	1.8	37	4	133	.14	3	0.5	0.4	37	SF5
		19	1634	24.95	19	19.72	155	11.78	8.85	2.4	2.5	2.3	44	4	88	.11	6	0.4	0.7	31	SF3
		19	2013	2.54	19	20.29	155	20.31	8.29	2.1	1.6	1.4	6	1	206	.12	5	1.9	3.3	1	SWR L
		19	2114	37.76	19	24.84	155	16.30	10.87	2.0	2.3	1.1	19	4	100	.11	1	0.9	1.0	16	INT L
		19	22 8	38.06	19	25.26	155	29.48	9.85	2.1	1.4	1.7	40	6	36	.11	6	0.3	0.6	35	KAO
		19	23 5	23.78	19	24.69	155	16.30	5.05	2.0	2.8	1.6	14	0	96	.11	1	0.6	0.9	16	INT L
		19	2337	24.21	19	24.12	155	29.30	9.83	1.6	1.8	1.7	39	4	45	.09	4	0.3	0.4	38	KAO L
		20	130	55.44	19	24.71	155	16.17	10.68	1.9	1.6	1.3	18	3	98	.10	1	0.9	0.6	15	INT L
		20	455	39.99	19	23.47	155	18.20	8.30	2.2	2.7	1.5	16	3	69	.12	2	0.7	1.1	15	INT L
		20	749	6.58	19	24.18	155	16.09	10.50	2.1	2.4	1.4	19	4	122	.10	1	1.1	0.6	15	INT L
		20	830	5.31	19	24.21	155	17.65	9.64	1.8	1.2	1.3	20	4	58	.22	2	1.1	1.0	16	INT L
		20	9 0	0.57	19	22.81	155	2.62	6.30	1.7	1.4	1.8	37	1	120	.11	4	0.5	0.8	38	SF5
		20	952	56.70	19	24.20	155	16.00	5.89	1.7	1.9	1.4	17	2	82	.14	1	0.6	0.7	16	INT L
		20	954	43.96	19	24.21	155	14.98	6.85	1.6	1.3	1.4	15	2	154	.12	1	0.9	0.7	15	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUL	20	1230	10.66	19	24.04	155	17.41	5.95	2.0	2.3	1.5	16	2	57	.10	1	0.6	0.8	16	INT	L
		20	1252	40.23	19	14.66	155	26.97	8.42	1.7	1.7	1.8	45	4	94	.12	5	0.3	0.5	41	LSW	
		20	1421	21.64	19	23.40	155	19.27	12.00	2.1	1.8	1.3	13	2	156	.13	1	1.7	1.3	1	KAO	L
		20	1653	41.97	19	27.56	155	14.25	9.51	2.4	2.6	1.7	16	4	231	.16	5	2.5	1.8	1	INT	L
		20	1658	38.54	19	24.97	155	16.72	9.34	1.8	1.3	1.2	18	4	149	.13	1	1.1	0.5	1	INT	L
		20	1715	37.19	19	25.63	155	16.24	10.47	1.6	1.2	1.1	16	5	181	.10	2	1.5	0.6	6	INT	L
		20	1725	53.42	19	28.48	155	16.33	7.93	1.5	1.3	1.2	12	3	271	.13	6	1.4	1.1	1	GLN	L
		20	1758	51.41	19	25.08	155	15.99	10.48	1.7	1.4	1.1	12	1	164	.10	2	1.4	0.7	4	INT	L
		20	20	5 48.83	19	23.23	155	13.39	10.11	2.5	2.6	1.6	7	0	262	.06	3	3.3	4.2	0	SF2	L
		20	2030	28.46	19	26.04	155	16.49	8.25	1.9	1.9	1.5	9	4	181	.11	2	1.3	0.4	2	INT	L
		20	2112	53.27	19	25.37	155	16.92	9.85	1.8	1.2	1.4	15	4	100	.15	1	1.2	0.8	13	INT	L
		20	22	6 52.90	19	22.98	155	16.89	11.01	2.2	2.2	1.5	20	6	68	.18	1	0.9	0.6	15	INT	L
		20	2227	10.24	19	20.18	155	10.69	8.29	1.8	2.0	1.9	48	7	83	.12	4	0.4	0.5	42	SF3	L
		20	2239	30.43	19	22.18	155	16.83	11.32	2.2	2.1	1.4	15	4	105	.13	2	1.5	0.7	12	INT	L
		20	2339	40.86	19	23.40	155	15.28	7.58	2.0	1.7	1.2	12	3	176	.10	2	0.9	0.8	10	INT	L
		21	118	9.20	19	24.68	155	17.40	10.44	2.2	2.4	1.5	18	6	68	.12	1	1.5	0.6	13	INT	L
		21	122	21.36	19	19.32	155	9.76	9.06	1.9	2.0	1.9	30	2	98	.08	5	0.5	0.8	31	SF3	
		21	149	35.74	17	48.31	157	9.92	49.61		3.4		22	0	346	.13206	16.4	2.5	23	DIS	*	
		21	158	41.90	19	25.51	155	15.91	11.26	1.8	1.3	1.1	17	5	136	.07	2	1.2	0.7	13	INT	L
		21	4	3 2.22	19	22.74	155	18.01	8.43	2.3	2.4	1.5	15	6	124	.10	2	0.7	0.9	12	INT	L
		21	5	1 55.09	19	25.27	155	17.79	11.28	2.0	2.4	1.4	15	5	136	.12	0	1.7	0.6	11	INT	L
		21	521	11.63	19	20.25	155	11.83	7.69		1.2	1.3	27	6	78	.09	5	0.4	0.8	21	SF3	
		21	6	2 14.00	19	25.60	155	17.28	12.77	1.9	1.4	1.2	16	4	94	.12	1	1.5	0.7	13	INT	L
		21	737	15.34	19	24.02	155	16.82	11.79	2.5	2.3	1.7	16	3	72	.11	0	1.1	0.6	12	INT	L
		21	846	8.26	19	27.59	155	13.51	2.14	2.3	1.5	1.7	14	5	261	.09	6	1.2	0.9	2	GLN	L
		21	1049	19.47	19	24.47	155	18.05	4.36	1.8	1.5	1.4	9	1	137	.17	2	1.4	0.7	1	SSC	L
		21	1453	47.55	19	17.67	155	13.27	4.47	2.2	1.7	1.6	8	0	266	.16	9	7.1	17.9	2	SSF	L*
		21	2059	47.15	19	22.12	155	26.68	10.85	1.6	1.6	1.6	34	5	43	.10	2	0.4	0.6	30	KAO	
		21	2124	32.25	19	24.35	155	17.08	7.50	2.2	2.1	1.6	18	4	75	.13	1	0.8	0.6	16	INT	L
		21	2348	22.22	19	25.17	155	15.84	13.11	2.1	1.6	1.3	18	3	124	.11	2	1.1	0.6	16	DEP	L
		22	055	31.50	19	22.21	155	28.74	9.65	1.6	1.6	1.6	41	2	37	.12	2	0.4	0.5	40	KAO	
		22	3	3 22.03	19	18.64	155	13.76	7.59	1.4	1.2	1.5	39	6	67	.12	3	0.4	0.6	34	SF2	
		22	4	4 34.94	19	25.56	155	14.89	13.37	2.1	1.6	1.3	18	5	210	.13	2	1.5	0.7	15	DEP	L
		22	4	5 53.69	19	22.01	155	30.43	9.16	2.3	1.9	2.0	44	2	45	.12	5	0.4	0.5	44	KAO	
		22	13	7 41.73	19	21.75	155	12.66	3.82	2.4	2.3	1.8	32	8	56	.11	2	0.4	0.4	25	SER	
		22	1652	59.83	19	19.30	155	28.63	10.19		1.6		23	2	76	.09	6	0.5	1.2	19	KAO	
		22	1736	32.88	19	27.98	155	14.66	1.24	2.2	2.0	1.9	12	4	241	.14	4	0.5	0.7	8	SNC	L
		22	1821	11.62	19	20.64	155	13.09	7.65	2.4	1.9	2.5	49	9	62	.16	4	0.4	0.4	41	SF2	
		22	21	2 7.64	19	26.96	154	53.04	8.05	3.1	3.4	3.3	47	5	159	.16	3	0.9	0.4	43	LER	F
		22	2119	6.62	19	22.78	155	2.90	8.85	2.0	1.8	2.1	31	4	122	.16	4	0.6	0.4	28	SF5	
		22	2227	20.85	19	25.46	155	20.38	7.80		2.9	3.2	50	6	56	.13	3	0.3	0.5	44	KAO	
		23	8	8 56.07	19	19.33	155	13.51	10.16			1.5	29	9	77	.09	4	0.4	0.6	20	SF2	
		23	918	25.55	19	25.29	155	16.12	13.45	2.1	1.5	1.4	18	5	121	.12	2	1.2	0.6	4	DEP	L
		23	15	8 34.58	19	25.46	155	25.75	6.82	2.4	2.4	1.1	5	1	326	.11	14	3.2	14.9	1	KAO	L*
		23	1635	28.29	19	27.10	155	16.41	12.41	2.0	1.6	1.2	9	2	222	.08	4	2.7	1.2	1	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	JUL	23	1835	55.72	19	24.83	155	16.03	11.12	2.4	2.4	1.7	17	4	106	.10	2	1.1	0.6	13	INT	L
		23	1838	47.56	19	20.10	155	1.24	1.59	1.8	2.0	1.6	21	4	195	.10	3	0.8	0.5	16	SSF	
		23	1926	28.36	19	23.37	154	48.81	42.79	2.2	1.8	2.1	36	4	265	.09	9	1.1	0.7	33	LER	
		23	1954	29.00	19	23.53	155	16.43	9.30	2.0	1.8	1.2	11	3	97	.13	1	1.3	1.0	9	INT	L
		23	2117	36.13	19	24.12	155	17.54	11.13	2.5	2.5	1.5	20	8	85	.10	2	0.9	0.5	11	INT	L
		23	2327	1.44	19	21.80	155	14.61	8.53	2.1	1.5	1.2	13	6	178	.18	3	1.3	1.9	10	SF1	L
		24	031	20.47	19	25.59	155	16.34	11.39	1.9	1.6	1.1	16	7	123	.08	2	1.6	0.6	8	INT	L
		24	213	0.18	19	23.81	155	16.84	5.76	1.6	1.4	1.0	10	2	96	.06	1	0.6	1.1	9	INT	L
		24	428	58.75	19	22.45	155	20.22	9.60	2.0	1.3	1.1	10	3	224	.09	6	1.3	2.0	10	KAO	L
		24	729	56.51	19	19.77	155	6.33	7.62		1.6	1.6	28	5	126	.10	5	0.5	0.8	26	SF4	
		24	2227	21.19	19	20.54	155	7.46	8.50	1.9	1.9	1.7	42	8	91	.11	5	0.4	0.4	39	SF4	
		24	2311	38.71	19	19.86	155	18.28	4.33	1.9	2.2	1.6	34	8	68	.11	2	0.3	0.6	26	SWR	
		24	2355	41.50	19	25.59	155	26.76	8.06	3.0	3.1	3.1	57	9	38	.14	3	0.3	0.4	50	KAO	
		25	021	23.66	19	22.47	155	3.44	8.70		1.2	1.5	34	4	110	.14	4	0.5	0.3	33	SF5	
		25	518	32.32	19	23.26	155	17.98	12.10	1.8	1.8	1.3	17	2	96	.13	2	0.9	1.0	15	INT	L
		25	729	29.09	19	26.61	155	26.36	6.03		1.2	1.0	28	6	57	.10	3	0.3	1.1	22	KAO	L
		25	1048	53.88	19	23.73	155	16.31	11.57	2.1	2.0	1.3	13	4	66	.11	1	1.0	0.9	11	INT	L
		25	11	4 59.11	19	10.34	155	26.55	39.50		2.0	1.7	38	7	167	.10	3	0.8	0.7	31	DLS	
		25	1145	19.93	19	23.08	155	25.84	9.91	2.1	2.3	1.8	44	4	28	.13	3	0.3	0.5	43	KAO	
		25	1246	17.32	19	10.25	155	26.51	39.86	2.1	2.0	1.7	40	7	168	.10	3	0.7	0.9	33	DLS	
		25	1258	12.89	19	10.41	155	26.78	39.97	2.1	2.0	1.7	38	2	160	.09	3	0.8	1.3	30	DLS	L
		25	1433	6.84	19	10.27	155	26.83	39.37	2.5	2.3	2.1	54	9	160	.10	2	0.6	1.1	40	DLS	
		25	1454	36.42	19	23.87	155	25.50	10.40	1.5	1.4	1.4	25	3	57	.09	3	0.5	0.8	11	KAO	
		25	1852	4.80	19	27.00	154	54.87	3.13	1.9	2.0	1.7	20	1	145	.23	1	0.9	0.7	13	SLE	
		25	1926	9.44	19	12.11	155	28.17	0.92	2.7	3.0	2.7	43	6	99	.12	5	0.3	0.5	36	LSW	
		25	20	4 35.99	19	25.39	155	16.38	11.41	1.9	2.4	1.4	14	0	116	.09	2	1.2	2.5	1	INT	L
		25	2120	6.16	19	23.01	155	17.37	12.79	2.3	2.4	1.5	19	3	68	.12	1	0.8	0.9	17	INT	L
		25	22	8 16.12	19	25.83	155	15.83	5.24	1.8	2.1	1.3	21	6	151	.17	3	0.6	0.6	15	INT	L
		25	2328	44.22	19	24.35	155	17.10	10.03	2.0	2.0	1.3	17	4	108	.12	1	0.8	0.7	15	INT	L
		26	051	0.14	19	19.84	155	10.66	7.13		1.5	1.3	33	4	90	.11	4	0.4	0.6	31	SF3	
		26	059	38.20	19	26.08	155	16.91	10.30	1.8	1.6	1.1	20	5	112	.16	2	1.0	0.6	15	INT	L
		26	135	19.24	19	23.88	155	15.39	11.19	1.9	2.1	1.2	16	3	79	.12	2	1.1	0.5	15	INT	L
		26	245	11.25	19	25.23	155	19.38	6.99	2.1	1.7	1.4	24	3	71	.10	3	0.4	0.8	20	KAO	
		26	319	53.65	19	24.56	155	17.56	10.83	1.9	1.7	1.3	10	1	84	.07	2	1.3	0.9	9	INT	L
		26	418	36.76	19	24.77	155	16.65	10.76	2.2	2.8	1.5	18	5	92	.08	2	0.7	0.5	13	INT	L
		26	442	50.04	19	23.58	155	17.80	11.29	2.0	1.9	1.3	13	4	89	.06	2	1.0	0.7	11	INT	L
		26	624	11.51	19	20.05	155	6.07	7.00		1.4	1.6	26	2	122	.10	6	0.6	1.0	24	SF4	
		26	938	4.63	19	24.24	155	18.78	6.77	2.0	1.4	1.4	20	5	65	.17	2	0.6	0.9	15	INT	L
		26	938	53.56	19	24.52	155	16.83	8.11	1.7	1.3	1.3	17	2	84	.16	1	0.8	0.8	15	INT	L
		26	1053	7.58	19	26.40	155	15.87	7.44	1.9	1.7	1.2	10	2	210	.12	3	1.4	0.7	11	INT	L
		26	1127	37.73	19	25.28	155	16.55	8.85	1.9	1.9	1.4	10	2	107	.06	2	1.1	1.3	11	INT	L
		26	12	6 52.80	19	23.50	155	18.12	11.46	2.2	1.9	1.3	19	8	94	.13	2	1.4	0.6	12	INT	L
		26	1236	55.52	19	23.56	155	17.14	10.90	1.8	1.7	1.3	15	5	106	.14	0	1.3	1.0	8	INT	L
		26	1431	55.53	19	28.37	155	15.96	1.97	2.3	1.9	1.7	8	2	309	.12	6	2.9	2.3	2	GLN	L
		26	1459	58.45	19	21.08	155	13.55	17.06	2.2	2.1	1.2	8	2	302	.20	5	4.3	1.3	1	DEP	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	26	1547	32.63	19	25.22	155	16.54	9.93	2.1	2.0	1.4	15	4	162	.10	1	1.2	0.5	15	INT L
		26	1611	6.61	19	21.98	155	14.30	8.39	2.0	1.3	1.3	8	1	286	.10	3	1.4	2.2	0	SF2 L
		26	17	3 53.76	19	24.81	155	18.30	10.47	2.2	2.1	1.6	11	1	105	.12	2	1.4	2.5	0	INT L
		26	1840	0.32	19	44.23	155	55.69	35.84	2.4	2.2	1.8	22	4	275	.12	31	1.4	1.1	16	HUA
		26	1855	10.88	19	24.94	155	15.36	5.77	1.9	1.7	1.3	17	2	128	.14	2	0.7	0.7	16	INT L
		26	1931	32.80	19	56.36	155	31.47	12.65		1.7	1.7	17	1	228	.08	17	1.5	0.6	14	KEA
		26	2032	7.88	19	24.36	155	17.11	8.38	2.3	2.5	1.6	18	2	72	.15	1	0.9	0.8	17	INT L
		26	2034	29.75	19	24.61	155	17.01	10.54	1.9	1.4	1.2	12	4	105	.20	2	2.5	0.7	2	INT L
		26	2211	15.84	19	24.58	155	16.22	4.15	1.5	1.8	1.2	17	2	93	.22	1	0.8	0.6	16	SNC L
		26	2259	14.29	19	25.51	155	15.85	11.56	1.8	1.4	1.1	15	4	139	.10	3	1.2	0.6	12	INT L
		26	23	7 20.04	19	24.54	155	18.15	7.23	2.1	2.2	1.5	17	3	94	.12	2	0.6	0.7	16	INT L
		26	2349	37.19	19	25.49	155	15.12	11.03	2.1	2.1	1.5	19	4	169	.12	2	1.2	0.7	15	INT L
		27	049	2.59	19	25.19	155	15.99	11.66	2.1	2.1	1.5	19	4	122	.07	2	1.0	0.5	15	INT L
		27	111	30.85	19	24.96	155	16.04	11.34	1.9	1.2	1.3	18	4	111	.09	2	1.0	0.5	14	INT L
		27	142	42.19	19	24.94	155	16.64	10.62	2.3	2.4	1.6	18	4	96	.05	1	0.8	0.4	15	INT L
		27	211	18.86	19	24.38	155	16.10	9.45	2.1	2.0	1.5	20	4	88	.13	1	0.9	0.6	16	INT L
		27	241	57.77	19	24.19	155	16.78	11.93	2.1	1.8	1.4	16	1	76	.09	1	0.9	1.7	16	INT L
		27	3	0 39.25	19	25.32	155	16.00	9.50	1.7	1.2	1.2	19	3	126	.09	2	0.9	0.4	16	INT L
		27	333	22.61	19	24.83	155	17.53	9.72	2.4	2.5	1.3	19	5	66	.16	1	1.1	0.7	16	INT L
		27	343	4.61	19	25.67	155	16.06	7.84	1.9	1.8	1.3	18	2	136	.13	2	0.9	0.6	16	INT L
		27	4	0 22.86	19	25.31	155	16.09	10.98	2.1	1.9	1.3	20	4	122	.10	2	1.0	0.6	16	INT L
		27	436	22.35	19	23.85	155	18.43	11.65	2.2	2.4	1.5	17	4	67	.11	3	0.9	0.7	15	INT L
		27	539	16.64	19	24.77	155	16.25	8.31	1.9	1.9	1.3	19	4	99	.15	1	0.9	0.5	16	INT L
		27	6	1 57.34	19	24.98	155	15.13	12.18	2.1	2.3	1.6	18	3	138	.15	2	1.3	0.7	16	INT L
		27	616	55.97	19	25.16	155	15.57	10.73	2.2	1.9	1.5	18	4	133	.09	2	0.8	0.6	16	INT L
		27	639	32.45	19	24.38	155	16.87	8.74	2.0	2.0	1.5	16	1	79	.13	1	0.7	1.0	16	INT L
		27	717	23.03	19	23.08	155	15.88	9.47	2.5	3.0	1.7	14	2	140	.13	1	1.0	0.9	16	INT L
		27	741	50.90	19	25.12	155	16.05	5.50	0.8	2.3	1.4	13	0	117	.10	2	0.6	1.2	13	INT L
		27	811	1.81	19	25.76	155	15.86	7.95	2.1	2.6	1.6	18	4	146	.10	3	0.9	0.5	15	INT L
		27	853	37.95	19	24.27	155	17.12	13.38	2.4	2.6	1.6	19	8	79	.12	1	1.3	0.6	12	DEP L
		27	938	54.19	19	25.24	155	16.83	12.62	2.4	3.1	1.8	18	5	100	.07	1	1.2	0.6	14	INT L
		27	10	0 30.44	19	23.33	155	16.90	7.41	1.6	1.7	1.2	17	2	55	.14	0	0.7	0.9	16	INT L
		27	1024	27.13	19	24.97	155	16.25	9.08	2.1	2.6	1.5	17	2	106	.13	1	0.9	0.6	16	INT L
		27	1052	0.64	19	29.20	155	24.38	4.08	1.4	1.2	1.0	15	0	91	.12	2	0.6	1.2	8	KAO
		27	11	0 55.03	19	18.45	155	13.12	5.14		1.1	1.3	12	2	92	.05	3	0.4	1.5	9	SF2
		27	1126	59.82	19	23.33	155	2.40	6.71		1.2	1.6	22	2	127	.10	3	0.5	0.8	8	SF5
		27	1140	22.38	19	22.98	155	2.46	7.37	1.7	1.6	1.6	23	2	131	.11	4	0.5	0.8	7	SF5
		27	1150	16.58	19	24.48	155	17.51	6.84	2.0	2.3	1.5	17	3	66	.11	1	0.7	0.7	15	INT L
		27	1254	39.18	19	24.65	155	16.76	7.04	1.9	2.0	1.4	15	1	88	.12	1	0.6	0.8	16	INT L
		27	1417	42.30	19	23.30	155	19.64	4.68	2.0	2.5	1.5	15	2	118	.14	5	0.6	2.5	16	KAO L
		27	1420	4.90	19	19.57	155	8.50	6.69	1.6	1.7	1.7	31	2	80	.08	4	0.4	0.9	17	SF4
		27	1448	7.74	19	24.74	155	17.32	5.50	1.6	2.1	1.3	12	0	80	.15	2	0.7	1.6	13	INT L
		27	16	0 50.21	19	24.74	155	16.82	7.39	2.1	2.7	1.6	18	4	89	.13	0	0.8	0.4	16	INT L
		27	1714	23.93	19	24.88	155	18.30	7.20	1.7	1.7	1.1	12	2	132	.08	3	0.8	1.0	11	INT L
		27	1730	55.77	19	24.45	155	19.04	6.76	1.7	2.1	1.2	12	2	129	.12	2	0.9	1.3	12	KAO L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	27	1739	8.26	19	11.96	155	28.08	5.59		1.6	1.5	18	0	115	.18	5	0.8	2.7	9	LSW
		27	19	2 53.71	19	24.78	155	15.85	6.74	1.8	1.8	0.9	17	4	147	.12	2	1.0	0.5	12	INT L
		27	1930	36.32	19	24.68	155	16.90	8.47	2.1	2.7	1.5	20	5	87	.14	0	0.9	0.5	16	INT L
		27	1959	58.76	19	23.92	155	18.98	5.78	1.8	2.0	1.2	15	2	70	.14	4	0.6	1.5	16	INT L
		27	2048	6.01	19	23.83	155	19.28	5.80	2.3	2.9	1.6	17	4	107	.13	4	0.7	1.4	16	KAO L
		27	2057	26.24	19	24.21	155	16.70	6.91	2.0	2.3	1.4	16	4	100	.11	1	0.9	0.6	14	INT L
		27	2116	55.54	19	24.41	155	16.94	9.96	1.7	1.9	1.1	20	6	79	.15	1	0.9	0.5	15	INT L
		27	2129	21.39	19	24.92	155	18.71	9.88	2.2	2.6	1.4	17	4	99	.12	2	0.9	0.8	16	INT L
		27	22	7 35.56	19	24.27	155	18.08	7.53	2.0	2.3	1.4	20	4	60	.22	2	0.9	1.0	16	INT L
		27	2257	15.84	19	25.19	155	15.03	8.77	2.5	2.6	1.6	19	3	157	.13	2	1.0	0.7	16	INT L
		27	23	7 16.29	19	24.95	155	16.57	8.92	1.8	1.6	1.3	17	3	99	.14	1	0.9	0.6	15	INT L
		27	2336	32.32	19	23.38	155	17.46	9.65	2.1	2.1	1.4	18	4	87	.11	1	0.8	0.8	15	INT L
		27	2357	29.03	19	25.01	155	18.02	10.98	1.8	1.9	1.2	19	4	79	.11	1	0.9	0.5	16	INT L
		28	024	37.99	19	25.01	155	17.49	8.18	2.0	2.4	1.4	17	3	81	.11	1	0.7	0.5	16	INT L
		28	118	51.32	19	24.39	155	18.79	9.83	2.5	2.9	1.7	15	2	77	.10	3	0.7	0.9	16	INT L
		28	131	43.71	19	25.22	155	15.76	9.04	1.9	1.6	1.2	20	4	130	.12	2	1.0	0.6	16	INT L
		28	226	54.50	19	25.21	155	17.11	8.11	2.1	2.4	1.4	17	4	152	.16	1	1.1	0.4	16	INT L
		28	312	51.43	19	24.23	155	16.73	8.04	1.8	2.4	1.1	20	4	78	.18	1	0.9	0.7	16	INT L
		28	4	2 58.62	19	26.30	155	14.82	3.18	1.9	2.4	1.5	18	3	205	.13	3	0.5	0.8	16	SNC L
		28	536	26.93	19	23.93	155	15.17	11.20	2.2	2.4	1.4	19	4	159	.21	2	1.5	0.8	16	INT L
		28	654	3.62	19	19.72	155	10.19	6.41		1.3		24	2	91	.12	4	0.6	0.8	25	SF3
		28	755	53.40	19	24.53	155	18.12	5.46	2.0	2.2	1.4	17	3	60	.11	2	0.5	0.6	16	INT L
		28	1118	46.70	19	18.51	155	31.03	10.45		1.5	1.3	30	4	84	.10	7	0.3	0.6	29	LSW
		28	1119	55.10	19	24.18	155	16.61	8.12	2.4	2.3	1.7	16	2	77	.15	1	0.8	0.8	15	INT L
		28	1228	49.90	19	25.03	155	16.48	7.01	1.9	1.8	1.4	17	4	102	.13	1	0.8	0.4	16	INT L
		28	1325	9.04	19	23.71	155	18.19	5.74	2.0	2.1	1.4	15	2	66	.16	2	0.6	1.1	16	INT L
		28	1441	55.87	19	25.38	155	15.93	6.65	1.7	1.3	1.3	14	1	171	.13	2	1.1	0.9	15	INT L
		28	1517	44.34	19	23.75	155	17.51	7.40	1.9	1.9	1.4	16	2	59	.14	1	0.6	0.9	15	INT L
		28	1656	5.54	19	24.84	155	16.70	7.27	2.3	2.7	1.7	18	4	123	.11	1	0.8	0.4	16	INT L
		28	1658	46.93	19	24.83	155	17.07	4.98	1.7	1.3	1.2	12	1	86	.21	2	1.0	1.3	11	SNC L
		28	1717	58.15	19	24.60	155	16.25	6.13	1.7	1.4	1.3	17	2	94	.23	1	0.9	0.8	15	INT L
		28	1741	53.88	19	23.88	155	17.03	9.18	2.3	2.4	1.6	16	2	68	.11	1	0.8	0.9	15	INT L
		28	1951	29.80	19	21.04	155	23.80	9.63		1.2	1.1	19	5	111	.07	2	0.4	0.7	15	SWR
		28	20	3 18.63	19	22.53	155	18.50	6.58	2.3	5.2	1.6	12	4	182	.10	3	1.3	1.1	11	INT L
		28	2222	8.70	19	24.37	155	17.04	11.56	2.1	2.3	1.5	14	3	79	.10	1	1.3	1.1	10	INT L
		28	2229	20.13	19	22.82	155	26.74	10.51	2.1	2.4	2.0	41	6	35	.11	2	0.4	0.5	36	KAO
		28	2311	50.21	19	24.15	155	17.24	10.31	2.1	2.1	1.4	19	7	62	.11	1	1.3	0.6	12	INT L
		28	2345	43.89	19	24.76	155	17.47	7.79	2.1	2.2	1.5	13	4	83	.13	1	1.0	0.5	11	INT L
		28	2355	49.99	19	25.07	155	17.51	11.48	2.1	1.8	1.3	19	7	111	.14	1	1.2	0.7	12	INT L
		29	011	45.43	19	26.72	155	16.13	7.28	1.6	1.5	1.2	13	4	218	.18	4	1.7	1.4	10	INT L
		29	027	56.31	19	23.47	155	16.38	7.78	2.2	2.2	1.5	18	6	61	.11	1	0.8	0.9	11	INT L
		29	042	44.85	19	24.93	155	17.63	7.90	2.3	2.4	1.6	17	3	89	.11	1	0.9	0.6	15	INT L
		29	110	41.89	19	23.20	155	17.09	11.37	2.2	2.0	1.5	15	4	80	.11	0	1.3	0.8	9	INT L
		29	133	29.05	19	23.40	155	16.92	8.46	1.9	1.5	1.2	14	4	100	.09	0	1.1	0.7	9	INT L
		29	228	59.70	19	23.89	155	16.09	13.65	2.6	2.5	1.8	15	6	72	.10	1	1.3	0.7	11	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	29	250	32.63	19	25.25	155	17.64	10.93	1.9	1.5	1.2	16	5	83	.16	0	1.7	0.9	11	INT L
		29	322	31.05	19	24.86	155	17.08	11.18	2.0	1.6	1.3	18	7	77	.11	0	1.6	0.7	10	INT L
		29	322	39.82	19	25.01	155	16.81	12.17	2.5	2.5	1.7	17	5	95	.10	0	1.3	0.7	13	INT L
		29	338	43.71	19	25.05	155	17.79	4.76	1.5	1.2	1.1	10	3	86	.19	1	1.3	0.9	7	SNC L
		29	4	7 48.70	19	25.75	155	15.39	12.39	1.9	1.2	1.2	15	6	168	.10	3	1.3	0.8	11	INT L
		29	433	22.38	19	25.63	155	16.93	12.25	1.9	1.5	1.2	15	6	105	.14	1	1.7	0.9	7	INT L
		29	451	15.30	19	25.33	155	16.72	8.03	2.4	2.5	1.7	20	5	106	.19	1	1.0	0.6	16	INT L
		29	528	28.67	19	24.99	155	16.55	8.76	2.1	2.0	1.4	20	4	100	.10	1	0.7	0.4	16	INT L
		29	553	16.76	19	24.55	155	15.96	9.55	2.1	1.5	1.3	16	4	96	.10	2	1.2	0.7	16	INT L
		29	6	5 3.72	19	24.94	155	15.85	8.13	2.1	1.8	1.3	21	6	155	.14	2	1.1	0.6	16	INT L
		29	627	24.59	19	24.17	155	17.21	10.26	2.1	1.9	1.3	18	3	65	.13	1	0.8	0.7	16	INT L
		29	640	16.31	19	26.60	155	14.94	10.13	1.9	1.3	1.3	19	5	187	.10	4	0.9	0.6	3	INT L
		29	7	3 0.10	19	25.84	155	16.05	10.13	2.5	2.5	1.6	15	4	142	.11	2	0.9	0.5	1	INT L
		29	719	9.24	19	21.66	155	16.51	8.35	1.7	1.2	1.1	12	3	172	.09	2	1.2	1.8	1	SF1 L
		29	738	24.11	19	23.65	155	14.98	8.57	2.5	2.2	1.8	11	3	95	.10	2	3.4	1.7	1	INT L
		29	8	0 59.56	19	24.03	155	18.77	7.86	2.0	1.4	1.4	11	1	156	.18	3	1.0	3.2	1	INT L
		29	820	39.95	19	18.56	155	24.14	9.38	2.3	1.9	1.3	8	1	334	.18	15	5.0	10.1	0	SWR L
		29	837	41.02	19	25.61	155	16.71	11.80	2.0	2.0	1.3	13	4	112	.12	1	2.5	0.7	1	INT L
		29	846	12.15	19	25.27	155	15.95	14.49	2.6	2.4	1.6	14	3	126	.07	2	1.6	0.6	2	DEP L
		29	9	5 31.46	19	22.60	155	14.20	3.53	2.0	1.3	1.5	19	4	91	.08	2	0.4	0.3	10	SEC L
		29	921	29.74	19	24.05	155	15.37	12.98	2.1	1.9	1.4	15	3	75	.21	2	2.1	1.1	1	INT L
		29	936	56.49	19	24.20	155	16.52	9.84	2.0	1.9	1.6	11	4	148	.07	1	3.3	1.1	1	INT L
		29	946	49.93	19	25.58	155	15.70	11.23	2.0	1.9	1.3	13	3	146	.06	3	1.4	0.6	2	INT L
		29	1013	50.04	19	23.79	155	15.45	8.52	2.4	2.4	1.7	16	5	100	.13	2	1.2	1.0	1	INT L
		29	1041	3.99	19	24.70	155	16.48	9.03	2.0	2.0	1.4	20	4	93	.09	1	0.8	0.5	16	INT L
		29	1113	33.43	19	25.20	155	15.53	9.05	2.3	2.4	1.6	20	4	136	.15	2	1.0	0.5	16	INT L
		29	1135	28.57	19	24.04	155	18.50	10.64	2.1	2.0	1.4	20	4	65	.14	2	0.9	0.9	16	INT L
		29	1146	31.09	19	25.21	155	15.63	7.41	2.1	2.2	1.4	18	4	134	.10	2	0.9	0.6	16	INT L
		29	12	2 34.08	19	25.77	155	15.62	8.17	2.1	2.2	1.4	21	5	157	.13	3	1.0	0.5	16	INT L
		29	1219	11.49	19	24.79	155	16.51	6.77	1.8	1.7	1.3	17	2	96	.10	1	0.7	0.5	16	INT L
		29	1220	39.86	19	25.23	155	16.35	8.28	1.9	1.2	1.2	18	3	112	.11	1	0.8	0.4	16	INT L
		29	1234	40.55	19	24.86	155	15.78	7.73	2.3	2.4	1.7	18	4	113	.13	2	0.8	0.5	15	INT L
		29	13	0 34.48	19	24.44	155	17.65	6.32	2.2	2.2	1.5	15	1	70	.16	2	0.8	1.1	14	INT L
		29	1327	1.73	19	24.67	155	16.39	7.29	2.0	1.8	1.4	19	4	94	.11	1	0.7	0.4	16	INT L
		29	1342	16.10	19	25.44	155	17.26	5.95	2.1	2.2	1.6	16	3	92	.17	1	0.8	0.5	15	INT L
		29	1413	22.06	19	24.53	155	16.68	9.19	2.1	1.9	1.5	18	2	86	.14	1	0.8	0.7	16	INT L
		29	1451	57.75	19	24.70	155	15.53	8.57	1.9	1.3	1.2	16	4	109	.12	2	1.0	0.6	14	INT L
		29	1459	40.20	19	24.44	155	16.15	4.54	1.9	1.7	1.3	17	2	90	.17	1	0.7	0.6	16	SEC L
		29	1515	6.64	19	19.53	155	8.53	9.06	3.2	3.3	3.7	49	6	79	.11	4	0.4	0.4	50	SF4 F
		29	1525	17.60	19	19.35	155	8.36	6.61	1.6	1.2	1.6	31	5	86	.12	4	0.4	0.7	28	SF4
		29	1535	55.94	19	24.76	155	16.24	9.50	2.2	2.0	1.5	20	4	99	.14	1	1.0	0.6	16	INT L
		29	16	3 43.88	19	24.80	155	15.82	7.83	2.1	2.1	1.5	20	6	109	.16	2	0.9	0.6	15	INT L
		29	1642	47.69	19	23.72	155	17.35	7.21	2.1	2.0	1.4	18	4	57	.12	1	0.6	0.6	16	INT L
		29	1710	57.67	19	24.15	155	17.66	6.21	1.5	1.1	1.1	16	4	123	.10	2	0.7	0.6	14	INT L
		29	1724	19.04	19	25.03	155	15.90	6.68	2.1	1.7	1.4	19	5	117	.12	2	0.7	0.5	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	JUL	29	1738	6.74	19	48.01	155	24.23	26.62		1.6	1.3	26	6	129	.12	6	0.7	0.6	20	KEA
		29	1742	30.96	19	25.79	155	16.09	7.27	2.1	2.0	1.4	18	4	182	.11	2	0.9	0.6	16	INT L
		29	1821	23.53	19	26.65	155	16.08	5.40	2.2	2.5	1.7	15	4	205	.13	4	0.9	1.0	14	INT L
		29	1839	9.52	19	24.44	155	15.55	6.82	1.7	1.3	1.2	20	5	95	.21	2	1.1	0.8	15	INT L
		29	1858	4.65	19	23.56	155	18.57	8.82	1.9	1.6	1.2	15	3	72	.16	2	0.8	1.1	13	INT L
		29	1920	54.51	19	25.19	155	16.94	10.71	2.5	2.5	1.7	16	3	153	.11	1	1.0	0.6	15	INT L
		29	2019	34.56	19	24.52	155	16.98	7.51	2.0	1.5	1.4	13	4	119	.11	1	1.0	0.6	12	INT L
		29	2058	52.56	19	25.44	155	18.43	6.43	1.8	1.4	1.4	17	4	79	.24	1	1.1	0.9	14	INT L
		29	2129	9.32	19	25.63	155	16.30	8.25	1.8	1.2	1.2	19	4	125	.13	2	0.8	0.6	16	INT L
		29	2144	13.97	19	25.23	155	16.28	9.52	1.8	1.3	1.2	17	3	114	.12	1	0.8	0.5	15	INT L
		29	22	7 55.87	19	24.94	155	17.01	8.03	2.2	2.0	1.5	16	3	89	.13	1	0.7	0.6	14	INT L
		29	2259	26.24	19	24.24	155	17.09	10.74	2.1	1.3	1.2	17	3	73	.12	1	0.9	0.8	16	INT L
		29	2323	59.57	19	24.83	155	16.48	7.53	1.9	1.7	1.2	19	4	97	.15	1	0.7	0.4	16	INT L
		29	2353	16.93	19	24.30	155	18.06	13.22	2.2	1.8	1.5	16	2	98	.08	2	0.9	0.9	16	DEP L
		30	027	13.60	19	24.92	155	17.04	12.95	2.1	1.5	1.2	17	3	89	.15	0	1.2	0.7	15	INT L
		30	1	0 17.30	19	25.41	155	15.98	5.31	1.9	2.0	1.4	19	3	130	.23	2	0.8	0.9	16	INT L
		30	133	48.89	19	25.45	155	16.13	7.63	2.0	1.6	1.4	15	3	171	.15	2	1.1	0.7	14	INT L
		30	2	3 45.26	19	26.12	155	18.09	7.13	1.8	1.3	1.2	16	4	165	.12	2	0.9	0.6	15	INT L
		30	237	5.81	19	27.25	155	31.13	13.88	2.0	1.5	1.6	40	7	36	.12	5	0.4	0.3	35	DML
		30	253	44.92	19	23.41	155	18.44	11.17	2.5	2.5	1.5	17	3	72	.15	2	0.9	1.1	15	INT L
		30	312	7.52	19	24.84	155	17.43	8.67	2.1	1.4	1.4	13	2	80	.12	2	0.8	0.9	14	INT L
		30	349	34.45	19	26.18	155	16.54	9.54	1.8	1.2	1.2	17	3	129	.16	2	1.4	0.7	1	INT L
		30	4	7 59.26	19	23.49	155	18.79	8.55	1.7	1.2	1.1	18	5	75	.15	2	0.7	0.9	14	INT L
		30	451	46.36	19	24.42	155	14.85	8.75	2.1	1.8	1.5	12	5	130	.12	1	2.1	1.1	2	INT L
		30	558	32.01	19	26.46	155	15.46	9.37	2.1	2.0	1.3	10	3	189	.11	3	1.7	1.7	1	INT L
		30	7	1 9.45	19	26.18	155	16.69	12.24	1.9	1.4	1.5	11	3	124	.08	2	2.2	0.8	1	INT L
		30	815	59.21	19	26.89	155	14.33	2.27	1.9	2.1	1.4	6	0	232	.05	4	1.3	0.9	0	SNC L
		30	917	12.29	19	25.72	155	29.41	11.14	1.9	1.4	1.4	23	2	62	.08	6	0.4	0.8	18	KAO
		30	10	6 7.70	19	30.34	155	18.63	6.00	1.9	1.9	1.2	5	4	337	.03	9	5.7	11.3	1	GLN L*
		30	1116	32.54	19	26.72	155	22.03	4.71	1.8	2.2	1.2	10	3	312	.06	8	2.2	9.4	2	KAO L*
		30	1154	14.84	19	25.07	155	16.82	12.71	2.2	2.4	1.3	13	4	122	.12	1	2.1	0.9	1	INT L
		30	1329	19.12	19	25.36	155	15.72	17.97	2.2	2.5	1.3	12	0	137	.05	3	2.6	3.7	1	DEP L
		30	1348	59.17	19	27.12	155	16.72	8.00	1.9	2.0	1.2	10	3	134	.07	1	1.0	1.0	0	INT L
		30	1524	34.06	19	21.18	155	21.53	5.03	1.8	1.7	0.9	8	1	243	.09	9	1.5	13.8	1	SWR L*
		30	1551	7.37	19	22.83	155	17.93	6.77	1.7	2.0	1.3	11	2	166	.13	2	0.9	1.6	1	INT L
		30	1745	25.78	19	21.51	155	21.69	5.65	1.9	1.9	1.0	8	2	314	.11	10	2.0	10.0	1	SWR L
		30	1955	33.55	19	20.32	155	9.66	9.90	1.5	1.4	1.5	25	1	119	.10	3	0.8	1.2	20	SF3
		30	2351	12.35	19	25.08	155	17.81	5.40	1.5	1.5	1.2	8	0	86	.10	3	1.0	2.1	9	INT L
		31	438	50.60	19	15.04	155	27.01	8.39		1.3	1.4	19	5	85	.15	5	0.5	1.1	14	LSW
		31	5	4 14.64	19	24.56	155	16.85	12.31	2.0	2.3	1.4	14	4	84	.07	1	0.9	0.8	13	INT L
		31	1413	48.58	19	22.21	155	2.42	7.98	1.7	1.7	1.7	43	5	129	.13	4	0.5	0.4	39	SF5
		31	1625	19.65	19	21.10	154	45.76	13.39	1.7		1.7	38	1	286	.23	15	3.3	0.8	37	LER
		31	1658	36.36	19	11.60	155	30.64	49.88	2.7	3.2	2.6	59	13	87	.11	6	0.7	0.9	47	DLS
		31	2134	17.28	19	18.96	155	13.30	6.48	1.4	1.3	1.3	33	6	78	.11	4	0.3	0.6	27	SF2
		31	2259	40.14	19	19.37	155	8.98	8.15	2.2	2.8	2.1	48	5	88	.12	4	0.5	0.5	49	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	1	639	55.97	19	19.46	155	8.21	8.15		1.6	1.6	41	6 89	.11	4	0.4	0.5	35	SF4
		1	827	48.65	19	18.82	155	47.55	10.44		1.3	1.5	25	2 122	.15	10	0.6	0.9	24	KON
		1	1835	38.38	19	20.19	155	11.80	7.63	1.8	1.8	1.7	31	3 79	.09	5	0.4	0.7	10	SF3
		1	19 4	35.71	19	21.93	155	5.10	7.37	1.6	1.7	1.8	35	0 77	.13	5	0.4	0.9	23	SF5
		2	342	16.53	19	49.55	156	14.30	37.69	2.6	2.5	2.1	51	9 266	.15	45	0.9	1.1	46	HUA
		2	10 0	49.76	19	13.00	155	15.80	44.53	2.5	2.7	2.4	51	9 179	.09	8	0.7	0.7	42	DEP
		2	10 2	32.96	19	13.15	155	15.08	46.51	2.1	1.9		28	1 180	.13	8	1.2	1.5	27	DEP L
		2	10 3	9.25	19	13.63	155	16.67	41.20		1.8	1.7	29	4 184	.09	8	1.3	1.1	24	DEP
		2	10 7	37.09	19	15.38	155	10.74	49.14		2.0	1.5	18	3 228	.12	6	1.7	1.3	14	DEP
		2	1025	57.67	19	19.75	155	8.17	8.83		1.2	1.4	20	3 87	.08	4	0.5	0.9	18	SF4
		2	1251	22.87	19	21.02	155	30.09	9.52	2.1	2.3	2.0	41	3 45	.11	5	0.4	0.6	39	KAO
		2	1354	45.29	19	25.93	155	27.43	7.84	1.5	1.4	1.4	22	4 66	.08	4	0.3	0.8	19	KAO
		2	1848	17.40	19	50.49	155	11.13	38.88		1.8		23	4 257	.09	40	1.8	1.7	19	KEA
		3	355	44.02	19	21.46	155	4.79	8.16	1.7	1.7	1.8	48	5 85	.16	4	0.5	0.4	44	SF5
		3	7 8	51.89	19	25.01	155	16.03	5.82	1.5	1.7	1.0	18	2 113	.15	2	0.8	0.6	16	INT L
		3	755	23.33	19	19.81	155	10.77	8.52	2.6	3.0	2.9	49	7 91	.12	4	0.4	0.3	48	SF3
		3	1130	10.96	19	26.57	155	18.21	3.60	1.8	2.5	1.3	10	0 173	.04	2	0.9	0.6	1	SNC L
		3	1436	13.98	19	34.48	155	53.19	8.15		1.4	1.4	15	1 255	.09	10	1.9	0.9	9	KON
		3	18 0	29.46	19	24.25	155	17.32	2.23	2.1	2.4	1.6	25	7 57	.10	1	0.3	0.2	15	SSC
		3	1848	36.37	19	12.28	155	32.59	6.70		1.4	1.6	27	2 131	.16	7	0.5	1.8	13	LSW
		3	22 3	26.22	19	29.03	155	16.15	5.93	1.7	1.5	1.1	11	4 314	.15	7	2.2	4.8	7	GLN L
		4	124	30.30	19	21.34	155	4.84	7.41	1.8	2.4	1.9	35	3 89	.12	4	0.4	0.8	34	SF5
		4	540	50.33	19	26.00	155	16.35	15.47	2.4	2.3	1.5	18	5 133	.10	2	1.5	0.7	11	DEP L
		4	754	12.29	19	20.43	155	12.87	8.14	1.4	1.5	1.4	22	2 67	.08	4	0.5	0.9	22	SF2
		4	759	49.12	19	25.84	155	16.93	12.53	2.5	2.9	1.5	22	7 109	.10	1	0.9	0.6	12	INT L
		4	9 8	34.77	19	18.10	155	22.28	8.21	1.5	1.5	1.3	23	6 107	.09	4	0.4	0.9	18	SWR
		4	928	26.87	19	22.53	155	26.94	10.98	1.6	1.6	1.3	29	4 71	.09	1	0.5	0.7	24	KAO
		4	1148	24.71	19	23.21	155	15.82	8.72	1.8	1.7	1.1	10	3 143	.14	2	1.1	1.4	1	INT L
		4	1332	19.64	19	25.01	155	16.33	12.66	2.0	2.4	1.3	14	5 134	.10	1	1.9	0.9	2	INT L
		4	1546	26.50	19	25.43	155	16.56	10.18	1.8	1.6	1.1	17	6 111	.08	1	1.9	0.5	8	INT L
		4	1853	39.87	19	24.61	155	17.16	11.98	2.2	2.9	1.5	16	4 62	.15	1	1.5	0.7	12	INT L
		4	1927	8.31	19	23.94	155	0.08	7.47	1.8	1.4	1.6	26	4 162	.12	3	0.5	0.9	21	SF5
		4	2111	43.20	19	26.17	155	15.68	11.30	2.4	3.1	1.3	17	5 169	.11	3	1.0	0.5	12	INT L
		5	023	35.48	19	25.80	155	16.46	8.70	1.6	1.6	1.1	12	3 124	.04	2	1.1	0.6	9	INT L
		5	139	34.56	19	25.81	155	16.96	9.82	2.3	3.1	1.5	25	9 107	.10	1	0.8	0.6	16	INT L
		5	3 7	10.60	19	25.67	155	16.39	9.59	1.9	2.4	1.2	19	7 124	.06	2	0.9	0.6	13	INT L
		5	413	24.06	19	24.98	155	21.05	9.72	2.0	2.4	1.3	14	4 271	.08	6	1.7	1.5	13	KAO L
		5	527	0.43	19	19.83	155	8.88	7.01		1.4	1.2	23	4 78	.08	4	0.5	0.9	19	SF4
		5	7 5	40.27	19	24.99	155	17.95	9.36	2.0	2.5	1.3	21	8 83	.17	1	1.0	0.5	13	INT L
		5	819	47.39	19	24.23	155	0.22	7.83	1.8	1.6	1.6	29	4 154	.12	3	0.5	0.7	21	SF5
		5	844	47.98	19	25.25	155	16.10	9.49	1.9	2.6	1.4	16	4 120	.08	2	0.9	0.7	13	INT L
		5	849	15.98	19	20.39	155	4.26	8.35	0.8	1.2	1.4	25	5 118	.10	3	0.6	0.8	20	SF5
		5	1052	1.21	19	25.70	155	16.19	8.08	1.7	2.1	1.0	17	6 132	.10	2	1.1	0.6	10	INT L
		5	1220	9.66	19	18.02	155	14.11	4.11	1.4	1.1	1.2	16	0 111	.08	2	0.6	1.2	16	SSF
		5	1459	4.86	19	25.58	155	16.48	8.59	1.7	2.1	1.2	12	3 119	.10	2	0.9	1.3	8	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	5	17 9	43.15	19	25.21	155	15.56	9.76	1.7		1.1	19	7 136	.15	2	1.1	0.8	11	INT L
		5	1710	9.01	19	25.29	155	17.31	13.27	2.6	3.3	1.5	18	7 89	.09	1	1.2	0.5	12	DEP L
		5	1737	20.08	19	24.95	155	16.79	13.86	2.1	2.2	1.2	16	4 94	.09	0	1.4	0.7	10	DEP L
		5	1814	56.17	19	24.42	155	15.34	9.96	1.9	1.9	1.2	15	4 131	.09	2	1.1	0.8	12	INT L
		5	1842	44.93	19	26.11	155	16.35	7.95	1.7	2.2	1.2	16	5 136	.11	3	0.8	1.1	11	INT L
		5	1847	9.73	19	19.27	155	8.60	7.71		1.2	1.3	27	4 82	.08	4	0.5	0.8	22	SF4
		5	19 0	4.52	19	23.79	155	16.25	12.21	1.9	2.2	1.1	15	5 68	.12	1	1.6	0.6	9	INT L
		5	1922	17.36	19	22.34	155	2.68	9.41	2.0	2.0	1.8	22	8 122	.08	4	0.5	0.7	13	SF5
		5	1956	12.53	19	25.77	155	16.94	12.18	1.9	2.3	1.3	19	6 107	.12	1	1.4	0.7	11	INT L
		5	21 0	39.92	19	18.32	155	14.06	9.26	2.3	2.8	2.4	42	5 137	.11	7	0.5	0.6	37	SF2
		5	2130	19.65	19	25.58	155	17.08	10.97	1.9	1.6	1.0	19	6 100	.13	1	1.5	0.7	10	INT L
		5	2213	33.00	19	24.97	155	15.70	8.37	1.8	2.1	1.2	19	8 120	.08	2	0.8	0.5	12	INT L
		5	2312	46.52	19	17.95	155	14.17	4.64	1.4	1.3	1.2	21	3 116	.09	2	0.5	1.1	18	SSF
		5	2322	18.42	19	18.05	155	14.18	5.35	1.6	1.8	1.5	27	2 113	.11	2	0.5	1.1	24	SF2
		5	2325	24.96	19	18.18	155	14.06	8.88	2.0	2.1	1.8	37	4 139	.11	7	0.5	0.8	33	SF2
		6	0 4	45.59	19	20.07	155	21.58	29.70	2.7	3.1	2.8	68	18 75	.12	3	0.5	0.6	49	DEP
		6	039	27.89	19	22.77	155	18.02	10.41	2.5	2.8	1.5	12	2 124	.10	2	0.9	1.7	8	INT L
		6	042	52.61	19	25.53	155	15.90	11.61	2.2	2.4	1.6	14	3 184	.10	2	1.8	1.4	4	INT L
		6	359	55.92	19	26.60	155	16.22	8.74	2.1	2.9	1.3	19	6 147	.08	2	0.8	0.6	14	INT L
		6	516	32.16	19	26.86	154	54.67	6.03	1.1	1.4	1.5	28	5 149	.11	2	0.6	0.5	23	LER
		6	743	11.01	19	23.89	155	16.83	12.42	1.8	2.0	1.2	20	7 69	.17	0	1.5	0.8	11	INT L
		6	855	27.20	19	26.14	155	14.94	12.47	2.2	2.7	1.4	19	6 198	.14	3	1.6	0.8	1	INT L
		6	924	49.11	19	19.49	155	8.94	6.85	1.9	2.2	2.0	39	2 84	.13	4	0.5	1.0	26	SF4
		6	13 0	20.53	19	15.83	155	25.92	10.72		1.5	1.5	17	2 68	.09	4	0.5	1.0	10	LSW
		6	18 5	18.94	19	26.89	155	18.68	9.26	2.4	3.1	1.6	16	2 120	.10	3	0.8	0.4	2	INT L
		6	18 9	4.66	19	25.34	155	16.06	10.99	2.2	2.8	1.5	18	3 124	.10	2	1.2	0.7	5	INT L
		6	1819	38.33	19	26.18	155	16.23	9.28	1.7	1.6	1.2	12	3 143	.09	3	0.9	0.9	1	INT L
		6	1857	27.58	19	26.11	155	16.41	4.86	1.9	2.7	1.6	13	3 134	.12	2	0.6	1.0	1	SNC L
		6	1923	40.64	19	29.34	155	16.13	25.15	1.7	1.6	1.5	44	6 94	.10	3	0.6	0.8	33	DEP
		6	1942	39.30	19	18.05	155	15.83	11.13	2.0	1.9	1.2	9	1 299	.09	8	3.9	2.1	1	SF1 L
		6	1953	28.56	19	26.25	155	20.03	8.75	1.7	1.6	1.2	29	7 89	.11	3	0.4	0.7	12	KAO
		6	20 8	48.32	19	26.91	155	30.14	9.74	1.6	1.6	1.6	37	6 45	.10	6	0.3	0.6	18	KAO
		6	2045	38.82	19	23.08	155	18.45	8.85	1.8	2.1	1.1	12	4 230	.10	3	2.2	1.4	4	INT L
		6	2151	17.39	19	23.68	155	17.14	10.74	1.9	2.1	1.3	16	4 61	.09	1	1.0	0.9	9	INT L
		6	23 3	48.30	19	25.85	155	16.23	10.55	2.4	3.0	1.7	14	4 135	.07	2	1.0	0.8	12	INT L
		6	23 9	11.35	19	25.66	155	17.10	12.71	1.9	2.2	1.3	20	7 100	.10	1	1.1	0.6	12	INT L
		7	014	1.46	19	24.66	155	15.50	8.58	1.8	1.7	1.1	15	3 148	.13	2	0.9	0.8	13	INT L
		7	048	36.77	19	26.21	155	15.67	10.21	1.9	2.4	1.3	17	5 171	.13	3	1.1	0.7	12	INT L
		7	118	11.28	19	25.11	155	17.42	9.58	2.4	3.1	1.6	17	5 84	.11	1	0.9	0.4	13	INT L
		7	151	6.76	19	26.06	155	15.35	11.19	1.8	1.6	1.1	16	6 181	.06	3	1.2	0.6	11	INT L
		7	3 2	46.60	19	21.36	155	7.94	9.40		1.2	1.4	26	4 74	.07	4	0.5	0.7	24	SF4
		7	312	27.04	19	26.01	155	16.35	10.99	2.1	2.7	1.4	20	7 134	.08	2	1.3	0.5	11	INT L
		7	4 4	21.88	19	24.38	155	16.69	11.67	2.6	3.0	1.7	15	4 82	.13	1	1.5	1.0	13	INT L
		7	4 6	3.10	19	25.45	155	16.09	7.02	2.3	2.5	1.7	15	3 127	.10	2	0.7	0.8	13	INT L
		7	417	47.32	19	25.53	155	16.62	9.57	2.1	2.5	1.4	19	6 112	.12	1	0.8	0.4	13	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	7	555	10.17	19	25.85	155	15.09	7.07	1.6	1.4	1.1	13	4	185	.11	3	1.0	1.8	10	INT L
		7	638	13.91	19	25.81	155	17.21	9.77	2.0	2.3	1.3	18	5	98	.09	1	1.0	0.7	12	INT L
		7	648	42.38	19	24.31	155	0.28	6.97	1.1	1.6	1.6	23	5	150	.12	3	0.5	0.9	18	SF5
		7	710	37.64	19	20.88	155	7.66	6.77	1.6	2.0	1.8	35	6	83	.11	4	0.5	0.7	28	SF4
		7	735	16.80	19	25.75	155	16.52	9.63	2.1	2.4	1.3	17	6	121	.07	2	1.2	0.6	11	INT L
		7	8	2 8.28	19	25.07	155	16.79	12.46	1.8	1.6	1.1	16	6	97	.08	0	1.6	0.6	8	INT L
		7	829	38.59	19	24.97	155	16.37	9.18	1.7	1.9	1.2	18	6	103	.11	1	0.9	0.7	13	INT L
		7	837	39.62	19	14.14	155	28.06	6.92		1.2	1.4	22	4	99	.14	4	0.5	1.2	17	LSW
		7	941	16.17	19	25.78	155	16.81	10.80	2.1	2.4	1.4	16	5	112	.10	2	1.1	0.7	12	INT L
		7	1037	20.26	20	0.58	155	25.49	19.30	1.6	1.6	1.7	22	5	202	.09	16	0.8	0.9	17	KEA
		7	1112	9.82	19	25.18	155	17.58	6.96	1.8	2.1	1.3	13	2	81	.15	0	0.8	0.8	13	INT
		7	1236	36.42	19	24.85	155	16.92	10.76	2.5	3.4	1.7	18	2	90	.11	0	0.8	0.8	16	INT L
		7	1241	20.37	19	26.36	155	16.70	9.57	2.1	2.1	1.5	14	5	126	.12	2	1.4	0.8	10	INT L
		7	1259	22.59	19	27.24	154	53.36	5.47	2.0	1.2	1.6	17	0	147	.13	3	0.8	1.4	8	LER
		7	13	3 24.94	19	24.82	155	18.39	7.61	1.5	1.7	1.1	11	3	67	.10	2	0.8	0.7	1	INT L
		7	1316	5.91	19	26.50	155	15.62	11.39	2.4	2.6	1.6	17	4	167	.12	3	1.3	0.6	2	INT L
		7	1343	49.58	19	26.46	155	18.55	9.37	1.8	1.9	1.3	16	4	113	.16	3	1.2	0.5	2	INT L
		7	1422	3.92	19	25.52	155	16.65	9.98	2.2	2.7	1.1	13	4	111	.14	1	2.9	0.8	2	INT L
		7	15	1 51.18	19	23.58	155	19.05	10.03	2.0	2.0	1.2	13	4	184	.15	4	2.4	1.4	1	KAO L
		7	1632	27.98	19	25.79	155	17.05	8.97	1.9	2.2	1.3	18	6	103	.15	1	1.4	0.6	2	INT L
		7	1643	49.95	19	22.27	155	33.81	6.68	1.8	1.6	1.4	18	2	59	.12	5	0.5	1.9	11	MLO L
		7	1738	9.58	19	23.79	155	17.69	8.99	1.9	2.4	1.3	14	3	139	.20	2	1.8	0.9	2	INT L
		7	19	2 59.81	19	27.09	155	15.14	17.34	2.5	2.8	1.8	15	2	220	.20	3	2.3	1.5	1	DEP L
		7	20	3 17.28	19	11.89	155	28.69	49.40		1.9	1.8	33	3	120	.10	5	1.2	1.6	29	DLS
		7	2037	56.18	19	20.00	155	6.82	8.12	0.9	1.2	1.4	27	2	111	.10	5	0.5	0.8	22	SF4
		8	024	23.37	19	20.53	155	12.82	7.59	1.4	1.7	1.6	39	3	66	.13	4	0.4	0.5	38	SF2
		8	235	47.53	19	19.63	155	6.67	7.93	0.9	1.6	1.6	42	6	123	.12	5	0.3	0.4	39	SF4
		8	4	7 49.34	19	24.35	155	19.03	9.46	2.3	2.7	1.5	19	4	102	.12	2	0.7	0.8	16	KAO L
		8	611	9.73	19	23.39	155	18.16	10.04	1.9	2.0	1.3	16	2	98	.11	2	0.7	1.0	16	INT L
		8	633	58.25	19	20.71	155	6.60	7.45	1.7	1.7	1.5	34	2	98	.12	5	0.5	0.6	33	SF4
		8	739	21.03	19	20.83	155	2.12	3.36		2.0	1.2	18	1	176	.09	2	1.1	0.8	17	SSF
		8	8	2 33.74	19	20.30	155	12.15	8.44	1.9	2.5	2.0	46	7	75	.12	5	0.4	0.3	42	SF3
		8	854	24.74	19	24.82	155	17.71	9.04	2.4	3.1	1.6	19	4	65	.10	1	0.7	0.6	16	INT L
		8	938	6.23	19	23.93	155	18.21	5.39	1.6	1.5	1.0	14	2	93	.13	2	0.7	1.0	15	INT L
		8	1155	21.65	19	25.39	155	16.42	8.55	2.1	2.3	1.4	17	2	114	.13	1	0.9	0.5	16	INT L
		8	1447	6.40	19	20.24	155	11.59	8.32	1.8		1.7	40	4	79	.11	5	0.4	0.4	37	SF3
		8	1447	47.83	19	24.09	155	16.39	9.59	2.1	2.4	1.4	18	2	77	.11	1	0.8	0.7	17	INT L
		8	19	4 57.87	19	24.95	155	17.65	10.25	1.8	1.7	1.1	17	2	78	.08	1	0.8	0.6	16	INT L
		8	1923	30.29	19	26.29	155	22.02	11.04	1.8	1.6	1.4	33	3	61	.10	3	0.4	0.7	32	KAO
		8	2032	12.27	19	25.00	155	16.25	6.90	2.2	2.9	1.6	19	3	108	.11	1	0.8	0.5	16	INT L
		8	2058	46.27	19	24.45	155	18.03	10.49	2.2	2.4	1.3	19	3	59	.15	2	0.8	1.1	16	INT L
		8	2232	8.75	19	24.38	155	18.11	8.58	1.9	2.2	1.3	20	4	59	.15	2	0.7	0.9	16	INT L
		8	2338	16.36	19	48.83	156	15.37	34.09		1.6	1.6	35	7	268	.16	46	1.4	2.1	29	HUA
		8	2354	39.32	19	25.30	155	16.83	7.74	1.9	2.2	1.2	17	2	157	.13	1	0.9	0.5	16	INT L
		9	033	23.47	19	23.25	155	17.14	8.04	1.9	2.1	1.3	18	4	59	.14	0	0.6	0.9	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	9	212	13.05	19	24.40	155	16.42	6.11	2.0	2.5	1.4	15	2	85	.14	1	0.8	0.7	16	INT L
		9	4	3 51.48	19	24.96	155	16.30	9.30	2.1	2.4	1.3	20	4	105	.13	1	0.8	0.5	17	INT L
		9	8	4 39.97	19	24.43	155	17.25	8.06	2.0	2.4	1.3	20	4	58	.18	1	0.8	0.8	16	INT L
		9	858	33.31	19	22.92	155	3.98	8.49	1.8	1.6	1.7	36	3	95	.12	3	0.4	0.4	33	SF5
		9	1231	17.48	19	20.56	155	6.58	8.40	0.8	1.2	1.4	14	1	102	.05	5	0.6	1.4	9	SF4
		9	1234	29.69	19	18.87	155	13.31	7.05		1.2	1.3	22	1	79	.08	3	0.5	1.0	10	SF2
		9	17	1 38.17	19	23.91	155	16.43	12.34	2.5	2.8	1.5	15	4	96	.08	0	1.3	0.6	1	INT L
		9	1726	35.03	19	22.99	155	17.57	9.36	1.9	1.9	1.2	10	2	92	.11	3	1.1	1.3	13	INT L
		9	1841	33.54	19	25.17	155	17.45	10.92	2.0	1.9	1.2	18	4	84	.11	0	0.9	0.7	16	INT L
		9	1853	7.20	19	24.04	155	16.98	9.51	1.9	1.6	1.1	20	4	71	.11	1	0.7	0.7	16	INT L
		9	1958	6.11	19	24.69	155	16.38	10.92	2.0	2.5	1.2	19	4	95	.12	1	0.9	0.6	16	INT L
		9	2039	22.05	19	21.05	155	6.52	7.30	2.9	3.5	3.3	60	7	93	.14	5	0.4	0.3	53	SF4 F
		9	22	8 3.58	19	24.66	155	16.36	6.72	1.9	2.2	1.2	17	2	94	.12	1	0.7	0.6	16	INT L
		9	2240	45.07	19	19.73	155	17.80	28.78		1.4	1.5	44	5	82	.10	1	0.6	0.5	40	DEP
		10	122	38.19	19	18.02	155	14.58	5.18		1.2	1.2	27	1	103	.11	3	0.4	1.0	28	SF1
		10	310	7.48	19	24.74	155	16.88	9.70	1.9	1.9	1.1	21	5	88	.14	0	0.9	0.6	16	INT
		10	442	42.69	19	24.95	155	16.61	10.59	1.9	2.0	1.2	18	4	149	.12	1	1.1	0.6	16	INT L
		10	6	4 32.01	19	24.05	155	18.08	10.47	2.0	2.1	1.2	20	4	62	.11	2	0.7	0.9	16	INT L
		10	642	5.06	19	21.89	155	26.52	9.80	1.5	1.6	1.3	37	2	45	.14	2	0.4	0.4	37	KAO
		10	833	7.85	19	20.79	155	4.75	7.77	2.0	2.1	2.0	46	4	105	.11	4	0.4	0.5	42	SF5
		10	1047	25.08	19	4.55	155	28.96	29.66		1.7	1.6	39	7	193	.11	9	0.8	1.1	33	DLS
		10	1254	59.87	19	57.44	155	29.04	32.25	1.3	1.8	1.6	26	7	174	.14	17	0.9	1.3	20	KEA
		10	13	9 36.65	19	24.64	155	17.51	11.33	1.9	1.4	1.2	13	4	84	.11	1	1.1	0.6	9	INT L
		10	14	1 39.10	19	23.60	155	16.57	8.30	2.2	2.6	1.6	13	2	90	.12	1	0.9	1.3	12	INT L
		10	1441	37.63	19	24.83	155	16.80	9.53	1.8	1.6	1.2	16	4	91	.05	0	1.1	0.5	2	INT L
		10	2037	46.92	21	13.71	155	17.04	7.18		2.7	2.4	22	6	330	.09133		8.4	11.0	16	DIS *
		10	2121	3.40	19	24.48	155	16.71	9.77	2.0	2.0	1.2	13	2	84	.09	1	1.2	0.6	1	INT L
		10	23	3 55.28	19	20.89	155	6.24	7.52	2.0	3.2	2.0	38	2	98	.11	5	0.5	0.8	33	SF4
		11	037	23.58	19	24.97	155	16.63	10.21	2.0	1.9	1.3	14	2	98	.05	1	0.8	0.7	11	INT L
		11	050	53.25	19	25.47	155	17.05	11.74	1.9	2.2	1.3	17	4	99	.15	1	1.7	0.7	9	INT L
		11	431	20.21	19	23.79	155	16.35	10.01	1.9	1.9	1.1	16	5	99	.12	0	1.5	0.8	12	INT L
		11	538	24.95	19	24.31	155	18.50	9.54	2.1	2.3	1.4	18	5	86	.21	2	1.3	1.1	13	INT L
		11	554	36.50	19	24.62	155	16.89	11.72	2.0	1.4	1.3	19	6	85	.09	1	1.2	0.6	11	INT L
		11	751	33.63	19	23.21	155	16.40	11.05	2.5	2.1	1.7	15	3	56	.13	1	1.1	1.4	13	INT L
		11	9	6 54.46	19	22.91	155	17.16	11.52	2.4	2.0	1.4	15	4	72	.12	1	1.2	1.1	12	INT L
		11	1111	51.45	19	25.81	155	16.63	9.83	2.1	1.7	1.4	18	6	118	.14	2	1.2	0.5	13	INT L
		11	1131	9.07	19	24.35	155	13.35	8.79	1.9	1.5	1.3	16	7	264	.13	2	2.0	2.3	11	SF2 L
		11	19	5 14.84	19	29.79	155	11.10	4.57	2.0	1.5	1.4	14	5	298	.13	11	1.9	12.6	11	GLN L*
		11	19	8 47.05	19	56.48	155	26.94	8.23	2.5	2.0	2.2	34	4	262	.15	12	1.3	0.6	32	KEA
		12	3	8 7.13	19	27.88	155	13.29	3.44	1.8	2.5	1.6	18	8	256	.10	6	0.7	1.3	12	GLN L
		12	1127	42.00	19	26.13	155	50.97	9.25		1.5	1.5	19	4	123	.14	9	0.9	1.3	16	KON
		12	1328	9.29	19	26.04	155	15.68	14.33	2.1	2.4	1.3	17	6	164	.13	3	1.3	0.9	13	DEP L
		12	14	9 2.06	19	19.64	155	8.17	5.01		1.3	1.3	29	7	88	.10	4	0.3	1.0	25	SF4
		12	16	4 23.40	19	26.79	155	30.16	10.74	2.6	3.2	2.9	58	11	32	.13	6	0.3	0.4	48	KAO
		12	1941	37.93	20	9.85	155	29.28	36.65	2.0	2.2	2.0	39	9	236	.11	31	0.7	0.7	32	KEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	12	21 6	35.28	19	27.46	155	13.62	9.91	2.4	3.2	1.8	17	8	257	.12	5	1.0	1.2	10	GLN L
		12	2127	17.19	19	27.16	155	14.36	2.02	1.5	1.8	1.2	15	8	239	.15	4	0.5	0.8	8	SNC L
		12	2133	7.97	19	27.06	155	14.75	10.45	1.8	2.3	1.2	20	10	228	.13	4	1.1	0.7	10	INT L
		12	2142	47.07	19	27.72	155	13.91	9.40	1.8	2.1	1.2	17	8	259	.14	5	1.1	1.4	11	GLN L
		12	2153	4.25	19	27.17	155	14.98	9.34	1.9	2.4	1.3	18	9	227	.18	3	1.2	0.8	9	INT L
		12	22 3	44.36	19	26.99	155	13.64	0.39	1.7	2.3	1.3	15	7	247	.17	4	0.9	0.5	9	GLN L
		12	22 8	1.93	19	27.15	155	14.12	1.97	1.6	1.6	1.1	16	8	243	.11	5	0.4	0.6	10	SNC L
		12	2235	9.84	19	27.53	155	14.05	2.49	1.9	2.3	1.4	18	8	244	.17	5	0.6	1.0	12	SNC L
		12	2248	40.10	19	27.31	155	15.04	5.96	1.8	2.0	1.2	19	9	231	.11	3	0.6	1.1	10	INT L
		12	2314	25.54	19	26.70	155	14.37	4.71	2.0	2.4	1.4	14	6	241	.12	4	0.7	1.0	11	SNC L
		12	2337	17.36	19	27.30	155	14.45	9.71	1.8	1.6	1.0	12	5	254	.12	4	1.4	1.0	9	INT L
		13	0 1	47.14	19	25.44	155	16.14	12.78	2.0	2.1	1.3	18	8	126	.10	2	1.1	0.7	11	INT L
		13	037	18.65	19	21.15	155	29.00	8.27	1.6	1.6	1.3	31	6	45	.12	3	0.4	0.6	26	KAO
		13	2 6	47.46	19	27.56	155	14.07	2.95	1.7	1.8	1.2	17	8	253	.14	5	0.6	0.8	8	SNC
		13	2 9	4.26	19	20.29	155	6.22	10.10		1.4	1.3	26	5	113	.09	6	0.4	0.5	25	SF4
		13	4 2	4.62	19	19.93	155	7.27	8.16	1.6	1.9	1.7	43	9	104	.14	5	0.3	0.4	37	SF4
		13	624	59.43	19	20.45	155	4.22	5.41	0.8	1.4	1.6	34	0	115	.13	2	0.5	1.1	16	SF5
		13	652	55.03	19	22.30	155	2.41	8.01	0.8	1.6	1.5	31	2	128	.13	5	0.4	0.7	14	SF5
		13	817	38.26	19	25.61	155	17.00	12.19	2.2	2.6	1.2	14	3	170	.07	1	1.5	0.6	1	INT L
		13	1220	43.83	19	26.74	155	9.99	33.52	1.9	2.7	1.4	9	0	213	.28	8	14.7	21.0	0	DEP L*
		13	1359	59.45	19	21.79	155	18.83	10.21	1.9	1.3	1.2	8	3	200	.06	4	0.9	1.3	0	SWR L
		13	1650	23.03	19	24.21	155	21.27	0.96	2.2	2.6	1.4	13	4	224	.15	7	1.8	0.7	1	KAO L*
		13	1728	8.44	19	28.72	155	14.50	7.79	2.0	1.9	1.3	9	3	281	.15	4	3.3	5.2	1	GLN L
		13	1831	29.29	19	24.34	155	0.20	8.17	1.8	1.4	1.8	37	3	150	.11	3	0.4	0.5	15	SF5 L
		13	21 3	40.34	19	24.57	155	17.46	10.02	2.3	2.6	1.1	15	3	79	.10	1	1.2	0.6	1	INT L
		13	2211	10.23	19	27.59	155	14.46	9.87	2.1	2.1	1.5	18	10	249	.11	4	1.0	0.7	9	INT L
		13	2321	48.47	19	26.37	155	16.02	7.36	2.1	2.5	1.4	16	7	159	.11	3	0.8	0.9	10	INT L
		14	136	50.06	19	27.55	155	13.39	10.78	2.1		1.5	17	8	261	.15	6	1.3	1.4	11	GLN L
		14	152	19.82	19	18.54	155	8.55	7.32		1.7	1.6	34	7	98	.12	2	0.5	0.7	34	SF4
		14	317	36.44	19	28.07	155	14.74	7.63	1.9	1.4	1.2	17	8	258	.15	3	0.8	1.4	10	GLN L
		14	321	51.09	19	22.21	155	13.59	7.00	1.3	1.2	1.5	18	6	86	.15	1	0.6	0.6	13	SF2
		14	641	4.29	19	24.49	155	16.13	11.12	2.4	2.7	1.7	18	5	91	.12	1	1.0	0.7	12	INT L
		14	720	7.37	19	18.99	155	8.44	7.97	0.9	2.0	1.7	29	4	84	.09	3	0.5	0.8	26	SF4
		14	725	8.14	19	17.57	155	13.10	5.47	1.2	1.1	1.2	19	4	121	.08	1	0.5	1.0	15	SF2
		14	935	23.55	18	54.82	155	15.22	36.67		1.9	1.7	35	4	263	.12	35	1.4	1.5	31	LOI
		14	1424	17.66	19	19.81	155	10.18	7.86		1.4	1.3	19	3	90	.04	4	0.5	1.0	15	SF3
		14	1554	9.46	19	20.15	155	7.53	7.88	1.6	1.4	1.5	28	2	96	.08	5	0.5	0.9	16	SF4
		14	1658	59.69	19	23.92	155	18.79	12.57	2.2	2.5	1.5	11	2	137	.13	2	2.2	1.2	1	INT L
		14	1829	24.82	19	15.99	155	19.94	7.10		1.2	1.1	16	0	167	.10	4	0.7	1.5	7	SWR
		14	1951	42.31	19	26.24	155	14.99	8.66	2.3	2.9	1.6	17	3	176	.15	3	0.8	0.9	3	INT L
		14	2021	23.54	19	26.80	155	15.29	15.29	2.0	1.8	1.1	7	2	206	.12	3	2.2	1.5	1	DEP L
		14	2055	35.67	19	24.65	155	17.54	12.13	2.0	2.2	1.3	21	5	53	.16	1	1.0	0.7	16	INT L
		14	2257	54.31	19	20.26	155	4.95	7.57	1.2	1.7	1.6	41	4	125	.17	4	0.5	0.6	39	SF5
		15	033	30.92	19	20.14	155	6.73	10.02		1.4	1.2	28	4	110	.13	6	0.6	0.6	24	SF4
		15	046	58.44	20	0.69	155	28.83	11.07	2.2	2.0	1.8	40	4	195	.12	20	0.7	0.5	36	KEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	15	2 7	57.94	19	25.34	155	16.09	8.58	2.0	2.4	1.3	17	4	167	.09	2	1.0	0.4	15	INT L
		15	949	28.29	19	24.47	155	2.85	4.56		1.4	1.1	20	3	101	.12	2	0.7	0.6	16	SME
		15	1026	34.24	19	20.98	155	7.49	6.31		1.4	1.4	40	5	83	.14	4	0.4	0.6	35	SF4
		15	1228	44.03	19	22.13	155	13.08	3.01		1.1	1.1	12	4	94	.08	1	0.6	0.3	8	SER
		15	1338	13.87	19	26.06	155	18.03	11.32	1.3	2.2	1.3	13	3	94	.09	1	1.3	1.0	11	INT L
		15	1537	4.83	19	25.75	155	29.28	9.71	2.4	2.8	2.3	53	12	41	.11	7	0.3	0.6	28	KAO
		15	17 9	11.64	19	19.65	155	11.68	7.25	1.8	1.7	1.7	33	4	90	.13	6	0.5	0.8	17	SF3
		15	2245	27.57	19	20.85	155	13.24	7.40	1.8	1.8	1.6	45	5	59	.14	3	0.5	0.3	43	SF2
		15	2310	18.28	19	24.38	155	17.68	12.05	1.9	2.2	1.2	20	3	45	.15	2	1.0	0.8	18	INT
		16	425	44.12	19	26.51	155	28.90	9.47	1.6	1.4	1.3	35	6	59	.11	7	0.3	0.6	31	KAO
		16	855	50.33	19	25.00	155	16.64	11.24	1.8	1.9	1.1	14	2	153	.08	1	1.2	0.7	14	INT L
		16	1326	22.08	19	23.94	155	19.36	12.50	2.0	2.3	1.2	13	5	187	.10	4	3.3	1.6	8	KAO L
		16	20 6	10.61	19	17.92	155	47.03	8.88	2.4	1.7	1.7	33	2	135	.15	10	0.6	0.8	15	KON
		16	2044	23.83	19	26.60	155	17.64	18.30	2.6	3.2	1.5	12	3	112	.11	2	2.3	1.6	1	DEP L
		16	2343	13.72	19	24.54	155	16.64	9.94	1.7	1.6	1.0	15	3	86	.15	1	1.0	0.8	12	INT L
		17	8 0	40.38	19	24.46	155	16.59	6.26	1.6	2.1	1.2	18	3	85	.11	1	0.6	0.6	17	INT L
		17	827	43.08	19	19.64	155	8.20	7.66	2.4	2.6	2.6	59	11	88	.13	4	0.4	0.4	50	SF4
		17	1038	26.24	19	12.62	155	27.98	3.18	2.2	2.2	2.1	41	4	103	.13	6	0.3	1.4	39	LSW
		17	1044	25.15	19	20.89	155	24.46	13.51	1.6	1.4	1.5	35	3	54	.10	2	0.4	0.4	34	DEP
		17	1453	14.36	19	30.31	155	16.73	4.69	2.0	2.6	1.3	8	2	315	.18	9	3.1	17.6	0	GLN L*
		17	18 6	57.51	19	23.27	155	3.29	7.55	1.7	1.4	1.6	35	1	105	.13	2	0.5	0.7	21	SF5
		17	2320	49.42	19	24.35	155	19.16	9.54	2.2	2.5	1.4	22	5	61	.17	2	0.7	0.9	17	KAO L
		18	040	42.42	19	18.49	155	15.56	7.66	1.4	1.9	1.4	45	8	107	.13	4	0.4	0.4	38	SF1
		18	124	15.37	19	21.24	155	6.30	6.29	2.1	2.0	2.0	53	5	90	.13	5	0.4	0.6	48	SF4
		18	759	46.09	19	25.03	155	14.83	6.33	2.1	2.8	1.5	21	4	154	.20	1	1.1	1.0	17	INT L
		18	1846	16.15	19	22.89	155	26.21	11.77		1.2	1.2	35	4	32	.12	3	0.4	0.5	31	KAO
		18	2046	41.23	19	24.31	155	16.81	3.76	1.8	1.4	1.1	20	4	80	.14	1	0.6	0.2	17	SSC L
		18	2131	14.05	19	19.74	155	8.16	8.01		1.3	1.2	35	5	87	.12	4	0.4	0.6	31	SF4
		18	2315	57.42	19	18.77	155	15.24	6.38		1.3	1.3	35	5	106	.12	4	0.4	0.6	31	SF1
		19	147	32.14	19	19.84	155	8.49	6.23	1.6	1.4	1.5	42	4	79	.13	5	0.4	0.7	40	SF4
		19	256	38.94	19	24.47	155	16.40	4.95	1.8	2.1	1.2	20	3	87	.14	1	0.5	0.6	18	SEC L
		19	635	43.54	19	20.76	155	5.76	7.29	1.1	1.2	1.4	35	3	105	.14	5	0.6	0.7	33	SF4
		19	643	29.26	19	28.83	155	28.29	5.97	1.6	1.4	1.1	30	4	68	.11	6	0.3	1.3	29	KAO
		19	750	25.31	19	19.63	155	11.71	7.73	1.5	1.4	1.5	39	5	91	.12	6	0.4	0.5	35	SF3
		19	1420	44.12	19	24.90	155	15.87	9.75	1.8	2.1	1.3	18	4	112	.13	2	1.2	0.6	14	INT L
		19	2043	50.48	19	22.78	155	3.42	8.54	1.3	1.2	1.7	42	5	108	.13	3	0.5	0.3	38	SF5
		19	2228	31.78	19	28.12	155	49.14	11.98		1.4	1.1	21	3	129	.11	7	0.7	0.6	19	KON
		20	438	34.61	19	26.98	154	56.07	6.01	1.9	1.9	1.7	29	3	164	.13	2	0.9	0.7	27	LER
		20	527	36.95	19	19.85	155	8.02	6.73	0.9	1.3	1.5	38	3	89	.13	5	0.4	0.7	36	SF4
		20	632	50.93	19	24.12	155	17.49	7.76	1.9	2.0	1.2	20	4	57	.20	2	0.9	0.9	16	INT L
		20	830	34.77	19	19.63	155	7.86	8.00		1.4	1.4	40	6	97	.13	4	0.5	0.6	35	SF4
		20	1353	5.01	19	51.65	156	14.88	4.85		2.3	2.3	34	0	301	.16	47	6.6	2.5	23	HUA
		20	1948	49.30	19	29.78	155	11.04	4.74	1.9	1.7	1.3	8	1	263	.12	11	1.7	14.8	0	GLN L*
		21	054	21.00	19	52.12	155	33.26	20.55	3.1	3.5	2.8	60	12	122	.13	11	0.4	0.9	48	KEA
		21	151	26.67	19	46.49	156	9.21	39.65	3.5	3.6	3.0	70	22	252	.16	34	0.5	0.8	49	HUA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	21	338	34.62	19	19.98	155	6.66	7.08		1.2	1.4	32	5	114	.10	5	0.4	0.6	32	SF4
		21	6 3	5.64	19	24.29	155	18.02	6.27	1.9	2.7	1.3	14	1	87	.12	2	0.5	0.8	17	INT L
		21	638	10.09	19	24.45	155	0.96	7.44	2.2	2.6	2.2	45	6	131	.15	4	0.6	0.4	40	SF5
		21	8 1	3.51	19	20.47	155	4.38	7.65	2.0		1.9	41	2	116	.10	3	0.4	0.5	41	SF5
		21	8 1	31.51	19	20.20	155	4.71	7.68	1.7	1.6	1.6	30	6	128	.13	3	0.4	0.6	28	SF5
		21	1016	47.75	19	10.71	155	29.94	12.05	1.9	2.0	1.7	40	4	147	.12	8	0.6	0.5	38	LSW
		21	1116	25.62	19	25.33	155	15.21	11.47	2.6	3.1	1.6	17	2	151	.13	2	1.1	0.9	18	INT L
		21	1124	33.21	19	21.85	155	5.13	7.38		1.2	1.4	36	6	78	.12	5	0.5	0.4	31	SF5
		21	1135	55.91	19	25.83	155	16.68	9.51	2.3	3.0	1.6	14	5	117	.08	2	1.3	0.8	13	INT
		21	1147	45.38	19	23.68	155	17.59	8.97	1.9	2.4	1.2	17	6	61	.09	1	0.8	0.6	12	INT L
		21	1150	22.87	19	20.42	155	6.06	6.85		1.6	1.4	23	6	112	.12	6	0.5	0.9	17	SF4
		21	1210	31.55	19	17.06	155	19.38	8.12		1.4	1.2	21	4	149	.07	2	0.5	0.9	17	SWR
		21	1257	9.82	19	19.57	155	11.90	9.31	2.4	2.9	2.4	40	8	91	.10	5	0.4	0.6	35	SF3
		21	1355	51.76	19	22.02	154	59.59	7.04	2.3	2.5	2.1	32	4	191	.10	6	0.7	0.8	28	LER
		21	1411	48.91	19	23.08	155	2.85	9.28	2.0	1.9	1.8	30	6	120	.10	3	0.4	0.5	26	SF5
		21	1521	37.32	19	24.00	155	16.83	12.30	2.6	3.1	1.8	17	3	71	.22	0	1.5	1.2	2	INT L
		21	1553	51.47	19	18.01	155	13.39	6.95	1.8	1.8	1.7	39	5	88	.10	2	0.4	0.7	22	SF2
		21	1614	35.26	19	22.91	155	17.41	10.27	2.1	2.4	1.3	18	4	70	.22	1	1.3	1.5	1	INT L
		21	1649	13.77	19	26.14	155	16.77	12.69	2.2	2.7	1.4	10	3	119	.15	2	2.9	1.0	1	INT L
		21	1734	26.58	19	19.04	155	9.87	8.43	1.5	1.7	1.6	20	1	108	.05	5	0.5	1.0	10	SF3
		21	1738	43.42	19	23.77	155	17.78	6.86	2.0	2.3	1.3	13	1	94	.08	2	0.7	1.2	1	INT L
		21	1847	21.85	19	25.23	155	17.61	10.76	2.3	2.8	1.5	20	5	81	.13	0	1.0	0.6	2	INT L
		21	1940	45.62	19	25.43	155	16.06	11.33	2.3	2.7	1.5	18	4	127	.12	3	0.9	0.6	1	INT L
		21	2032	50.86	19	25.98	155	16.63	11.19	2.3	3.0	1.5	22	5	121	.11	2	0.9	0.7	2	INT L
		21	2035	33.09	19	18.76	155	12.78	8.67	1.8	2.3	1.7	38	2	94	.11	3	0.5	0.6	31	SF2
		21	2114	29.17	19	24.03	155	17.38	10.20	2.2	2.7	1.4	22	5	55	.15	1	0.9	0.7	17	INT L
		21	2121	58.98	19	20.50	155	11.76	8.06	1.4	1.7	1.4	43	7	74	.13	4	0.4	0.4	39	SF3
		21	2149	39.40	19	24.28	155	16.60	10.82	2.3	2.9	1.5	21	5	80	.10	1	0.7	0.6	17	INT L
		21	2159	3.62	19	20.01	155	4.60	6.57		1.6	1.5	36	6	136	.14	3	0.5	0.7	31	SF5 L
		21	2235	3.96	19	24.90	155	17.11	10.25	2.2	3.0	1.5	23	6	83	.12	0	0.9	0.5	17	INT L
		21	2349	39.09	19	24.20	155	17.22	12.10	2.3	2.9	1.5	18	3	64	.13	1	1.0	0.9	15	INT L
		22	017	56.33	19	13.22	155	30.73	7.64	1.8	1.4	1.6	40	2	69	.15	4	0.4	0.6	39	LSW
		22	044	57.46	19	23.81	155	17.14	11.38	2.2	2.8	1.4	24	4	65	.14	1	0.6	0.6	21	INT L
		22	138	16.65	19	19.28	155	9.00	7.60	1.6	1.9	1.4	40	8	90	.13	4	0.4	0.6	33	SF4
		22	2 6	1.69	19	23.48	155	18.54	7.42	2.2	2.7	1.5	23	5	53	.13	2	0.5	0.8	18	INT L
		22	214	15.97	19	19.44	155	13.20	6.82	1.4	1.7	1.4	40	5	75	.13	5	0.4	0.5	36	SF2
		22	240	32.02	19	28.05	154	53.74	5.32	1.0	1.2	1.5	31	7	170	.18	3	0.6	0.8	25	LER
		22	427	16.27	19	25.34	155	15.35	3.89	2.1	2.5	1.5	19	2	151	.12	2	0.6	0.5	17	SNC L
		22	628	29.79	19	24.27	155	18.04	9.05	1.9	2.0	1.2	19	3	60	.19	2	0.8	1.1	16	INT L
		22	839	44.80	19	24.88	155	16.95	9.24	2.3	2.9	1.7	25	4	89	.13	0	0.6	0.4	23	INT L
		22	852	10.45	19	24.79	155	15.62	7.93	1.8	1.8	1.1	17	4	113	.12	2	1.0	0.7	16	INT L
		22	936	57.91	19	25.77	155	17.17	12.85	2.1	2.1	1.4	15	3	167	.14	1	1.3	0.7	14	INT L
		22	1019	27.38	19	20.80	155	6.29	7.26	1.6	1.2	1.4	28	4	100	.13	5	0.5	0.8	24	SF4
		22	1214	0.76	19	25.22	155	13.38	8.96	2.1	2.4	1.5	14	7	271	.09	2	1.2	1.8	10	SF2 L
		22	1614	23.14	19	18.37	155	15.11	5.67	1.4	1.3	1.3	30	1	103	.11	4	0.4	1.2	12	SF1

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	22	1751	57.76	19	23.22	155	17.54	19.75	2.5	3.2	1.5	10	1	167	.25	1	4.5	5.7	0	DEP L
		22	1835	43.08	19	22.39	155	4.77	7.67	0.8	1.2	1.4	24	0	81	.12	4	0.5	1.0	13	SF5
		22	1916	59.72	19	26.07	155	17.45	14.70	2.4	2.5	1.5	14	2	92	.11	1	1.7	1.4	0	DEP L
		22	2124	22.63	19	23.81	155	17.72	7.49	2.2	2.3	1.1	20	4	61	.14	2	0.6	0.7	17	INT L
		22	2233	31.44	19	25.03	155	18.69	13.51	2.0	2.4	1.3	17	2	96	.14	2	1.0	0.9	18	DEP L
		22	2356	42.68	19	24.54	155	16.90	7.57	2.5	3.1	1.7	25	3	58	.12	1	0.4	0.5	22	INT L
		23	0 4	54.84	19	24.41	155	16.85	10.61	1.7	1.6	1.1	20	4	81	.14	1	0.9	0.7	16	INT L
		23	016	13.84	19	23.63	155	18.68	9.68	2.1	2.4	1.3	18	3	71	.19	2	0.9	1.3	16	INT L
		23	036	34.60	19	24.68	155	17.01	8.75	1.9	2.1	1.2	18	4	85	.17	0	1.0	0.6	15	INT L
		23	123	30.33	19	23.32	155	17.72	9.09	1.8	1.9	1.1	18	4	91	.13	1	0.9	0.9	15	INT L
		23	217	44.26	19	24.74	155	16.81	10.13	2.5	3.1	1.5	23	4	89	.11	0	0.7	0.5	19	INT L
		23	440	57.17	19	25.10	155	16.47	13.96	2.6	3.2	1.8	21	3	70	.15	1	0.9	0.8	19	DEP L
		23	454	6.20	19	23.44	155	17.83	8.02	2.0	2.4	1.4	19	5	92	.12	2	0.7	0.8	16	INT L
		23	538	41.02	19	59.32	156	31.01	31.16		2.1	1.9	26	2	320	.12	78	2.2	4.8	25	DIS
		23	6 1	12.90	19	24.39	155	17.70	8.50	1.7	1.6	1.0	17	2	56	.17	2	0.7	0.9	16	INT L
		23	832	41.95	19	24.39	155	17.35	8.83	2.4	2.9	1.6	26	5	52	.11	1	0.7	0.4	22	INT L
		23	918	21.97	19	24.57	155	17.47	12.66	2.1	2.0	1.4	17	6	83	.13	1	1.7	0.7	10	INT L
		23	1044	57.97	19	23.28	155	19.15	13.80	2.3	2.5	1.5	12	4	190	.10	4	2.2	1.1	11	DML L
		23	1110	25.10	19	11.27	155	47.16	28.91	2.7	2.9	2.3	54	7	164	.13	13	0.6	1.2	47	KON
		23	1151	23.49	20	15.82	155	43.82	43.13	1.4	2.0	1.8	10	1	312	.09	46	2.8	2.3	3	KOH
		23	12 8	11.29	19	25.12	155	16.23	13.66	2.1	1.8	1.4	18	6	112	.13	1	1.6	0.7	12	DEP L
		23	1352	44.89	19	21.38	155	13.98	17.50	2.6	2.5	1.6	10	0	216	.15	3	3.4	4.0	0	DEP L
		23	1550	13.15	19	23.21	155	19.36	7.80	2.4	2.5	1.1	12	2	129	.10	1	1.0	1.3	0	KAO L
		23	1613	29.01	19	20.32	155	4.23	6.03	1.7	1.6	1.8	36	0	122	.11	2	0.5	1.0	24	SF5
		23	1717	49.73	19	30.11	155	18.64	9.86	1.8	1.4	1.3	13	3	234	.13	6	1.2	1.0	0	GLN L
		23	1913	11.31	19	27.43	155	14.04	5.97	2.0	1.7	1.6	7	0	274	.11	5	3.3	5.3	1	INT L
		23	2015	3.63	19	24.60	155	18.97	8.89	2.1	2.3	1.4	13	3	114	.16	2	1.4	1.2	1	INT L
		23	22 8	31.49	19	25.07	155	16.47	7.65	1.7	1.8	1.1	21	5	153	.14	1	0.9	0.4	18	INT L
		23	2338	25.28	19	23.83	155	18.76	5.69	2.1	2.1	1.4	19	4	52	.13	3	0.6	1.1	18	INT L
		24	241	34.04	19	23.72	155	17.59	4.75	2.3	2.8	1.7	19	3	59	.12	1	0.4	0.6	18	SSC L
		24	335	34.21	19	24.78	155	16.69	6.22	1.9	2.3	1.2	18	3	92	.15	1	0.7	0.6	16	INT L
		24	428	8.82	19	27.45	155	29.49	10.55	1.9	1.5	1.5	45	6	48	.13	8	0.3	0.5	40	KAO
		24	618	12.92	19	25.39	155	16.51	8.79	2.1	2.5	1.5	18	2	112	.12	1	0.9	0.5	16	INT L
		24	815	57.43	19	24.29	155	17.69	6.99	2.0	2.4	1.4	20	4	45	.13	2	0.6	0.7	17	INT L
		24	9 1	29.95	19	17.94	155	13.34	8.32	2.2	2.5	2.3	51	8	92	.13	2	0.4	0.3	47	SF2
		24	912	39.74	19	27.08	154	56.26	6.06	1.6	1.6	1.6	25	1	137	.11	2	0.6	0.8	9	LER
		24	10 9	19.99	19	16.90	154	59.28	40.31	2.6	2.6	2.1	51	2	210	.11	8	1.1	1.1	45	LER
		24	1018	52.83	19	24.22	155	16.42	10.07	2.1	2.8	1.2	9	0	120	.13	1	1.4	2.8	0	INT L
		24	12 2	0.46	19	25.43	155	19.18	9.81	2.5	3.1	1.7	12	3	110	.07	3	1.0	1.4	10	KAO L
		24	1247	51.60	19	26.57	155	15.61	6.56	1.9	2.2	1.4	15	1	186	.13	3	0.9	1.0	1	INT L
		24	1728	28.37	19	59.57	155	37.49	0.50	2.4	3.2	1.6	18	3	165	.12	22	0.7	0.6	10	KOH
		24	1835	13.71	19	19.64	155	11.81	8.36	1.8	2.0	1.7	42	4	89	.11	6	0.4	0.6	24	SF3
		24	2014	24.15	19	24.70	155	18.47	3.00	1.6	2.2	1.1	11	1	98	.08	3	0.4	0.6	0	SNC L
		24	2227	17.69	19	24.03	155	17.71	6.84	2.1	2.4	1.4	21	2	45	.17	2	0.5	0.8	19	INT L
		24	23 6	37.77	19	23.83	155	3.00	7.86	0.8	1.2	1.4	32	3	110	.13	2	0.4	0.6	32	SF5 L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	25	042	22.87	19	23.42	155	18.45	7.42	2.0	2.4	1.2	19	4	53	.15	3	0.7	1.2	17	INT L
		25	220	29.35	19	24.98	155	16.84	6.92	1.7	1.5	1.1	18	2	148	.13	0	0.8	0.5	17	INT L
		25	6 7	42.88	19	16.01	155	30.18	7.38	2.0	2.0	1.6	34	4	55	.15	2	0.4	0.6	30	LSW
		25	7 6	1.06	19	24.45	155	17.35	7.69	2.2	2.7	1.5	22	5	49	.12	1	0.6	0.5	18	INT L
		25	719	6.42	19	24.83	155	16.71	6.77	1.5	1.5	1.1	18	2	93	.10	1	0.6	0.5	18	INT L
		25	746	11.62	19	24.51	155	18.45	8.28	1.8	2.1	1.3	18	2	61	.14	2	0.6	1.0	17	INT L
		25	836	31.78	19	51.85	155	32.75	20.15	2.1	1.9	1.6	31	6	204	.12	13	0.8	1.2	25	KEA
		25	10 0	2.45	19	44.10	155	2.63	0.00	2.2	2.9	1.8	24	0	247	.20	34	2.3	3.4	7	HIL B*
		25	1140	8.04	19	25.76	155	17.23	10.06	2.1	2.8	1.5	14	2	97	.13	1	1.4	1.1	1	INT L
		25	1453	54.10	19	24.35	155	16.76	12.45	2.5	2.9	1.7	16	3	80	.13	1	1.2	0.8	13	INT L
		25	1536	3.50	19	24.33	155	17.17	12.87	2.0	1.6	1.3	14	3	67	.13	1	1.5	1.0	11	INT L
		25	1650	6.99	19	24.86	155	15.68	10.79	2.0	2.3	1.2	13	4	171	.08	2	1.4	0.7	12	INT L
		25	2016	14.81	19	24.82	155	16.95	14.19	2.2	2.5	1.5	15	3	88	.08	0	1.0	1.2	12	DEP L
		25	2251	44.56	19	24.53	155	16.49	14.26	1.9	1.6	1.2	14	3	135	.12	1	1.6	0.9	12	DEP L
		26	013	18.14	19	24.25	155	17.04	10.04	2.0	2.4	1.1	14	2	75	.07	1	0.9	0.6	12	INT L
		26	048	54.34	19	20.41	155	5.76	9.14	1.7	1.7	1.7	33	6	115	.09	5	0.4	0.6	31	SF4
		26	2 1	17.21	19	20.01	155	12.89	7.90	0.9	1.2	1.1	20	2	72	.06	5	0.5	1.1	17	SF2
		26	2 5	32.13	19	25.28	155	19.53	7.70	1.7	1.4	1.0	27	5	72	.11	3	0.4	0.8	22	KAO
		26	220	24.04	19	24.71	155	20.03	7.06	1.8	2.1	1.2	12	4	254	.07	4	1.6	1.4	9	KAO L
		26	431	38.64	19	23.54	155	15.12	9.18	2.4	2.7	1.6	14	3	180	.09	3	1.1	0.8	13	INT L
		26	444	48.50	19	25.71	155	16.79	12.59	1.9	1.6	1.2	17	4	111	.08	2	1.0	0.8	12	INT L
		26	1237	44.80	19	20.43	155	11.47	8.40	2.1	2.7	2.1	44	5	78	.12	4	0.5	0.6	40	SF3
		26	14 1	45.15	19	24.53	155	17.61	13.68	1.9	2.4	1.1	14	3	85	.12	1	1.7	0.9	12	DEP L
		26	1420	40.61	19	21.53	155	5.08	9.09	2.9	3.4	3.3	50	8	85	.10	5	0.3	0.3	45	SF5
		26	1729	21.85	19	16.04	154	59.14	44.09	1.6	1.7	1.8	44	4	214	.11	10	1.3	1.1	41	LER
		26	1757	57.85	19	25.95	155	16.52	10.93	2.3		1.6	16	4	125	.12	2	1.4	0.9	13	INT L
		26	18 6	36.47	19	19.66	155	11.74	6.08	1.9	2.1	1.6	32	4	90	.12	6	0.4	1.2	27	SF3
		26	1816	39.84	19	25.34	155	15.54	9.28	2.3	3.0	1.5	16	5	142	.13	2	1.0	0.8	13	INT L
		26	23 7	28.39	19	27.05	155	29.24	9.84	2.1	1.8	1.7	45	8	46	.11	8	0.3	0.6	24	KAO
		27	445	46.00	19	23.05	155	18.55	5.05	1.7	2.3	1.2	11	1	98	.08	3	0.6	1.7	13	INT L
		27	7 1	11.18	19	24.80	155	16.91	14.19	1.9		1.0	14	2	88	.08	0	1.2	1.5	11	DEP L
		27	712	59.63	19	25.24	155	17.20	11.99	1.6	1.8	1.1	14	3	91	.10	1	1.1	1.1	10	INT L
		27	9 1	24.49	19	20.70	155	4.47	6.31	1.3	1.4	1.4	25	0	107	.12	3	0.6	1.4	16	SF5
		27	926	5.97	19	19.82	155	9.08	7.00	1.5	1.5	1.6	34	3	80	.11	4	0.5	0.8	21	SF4
		27	1148	33.56	19	21.12	155	10.70	8.85		1.2	1.4	28	4	93	.09	2	0.4	0.5	16	SF3
		27	1210	31.34	19	24.25	155	17.82	6.48	1.5	1.5	1.0	17	4	58	.16	2	0.7	0.7	14	INT L
		27	1214	37.48	19	24.78	155	17.73	8.36	1.9	2.5	1.4	19	4	62	.18	1	0.8	0.8	16	INT L
		27	1220	10.84	19	24.04	155	17.25	8.05	2.1	2.2	1.4	20	5	61	.15	1	0.7	0.7	16	INT L
		27	1227	31.82	19	23.49	155	18.29	7.12	1.8	1.5	1.1	14	3	98	.10	2	0.7	1.0	13	INT L
		27	1236	56.46	19	24.50	155	16.89	7.72	1.9	2.0	1.3	18	3	82	.15	1	0.8	0.6	15	INT L
		27	1239	51.34	19	20.01	155	8.08	7.54	2.2	2.8	2.1	44	4	86	.09	5	0.4	0.6	21	SF4
		27	13 0	28.18	19	24.53	155	17.50	9.13	2.2	2.6	1.5	19	3	54	.09	1	0.6	0.8	17	INT L
		27	1532	2.96	19	23.09	155	14.35	3.90	1.4	1.1	1.4	18	4	103	.08	2	0.4	0.4	7	SEC
		27	1839	47.37	19	24.77	155	16.62	11.02	1.7	1.7	1.0	15	2	93	.12	1	1.2	0.7	15	INT L
		28	0 2	15.62	19	18.03	155	13.30	8.83	1.5	1.6	1.4	33	4	92	.11	2	0.5	0.5	30	SF2

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	28	017	57.60	19	25.81	155	15.44	8.32	1.5	1.7	1.0	17	2	167	.11	3	0.9	0.7	16	INT L
		28	325	43.04	19	24.79	155	17.40	7.41	1.6	2.2	1.2	18	2	61	.11	1	0.6	0.6	16	INT L
		28	531	10.86	19	22.61	155	3.36	7.69	0.8	1.4	1.5	33	4	111	.14	3	0.4	0.4	31	SF5
		28	817	29.61	19	21.30	155	6.40	8.71	2.3	2.7	2.2	52	6	88	.12	4	0.3	0.3	48	SF4
		28	949	5.15	19	29.73	155	23.18	14.31	2.1	2.2	1.9	55	16	46	.13	0	0.4	0.3	41	DML
		28	950	12.68	19	27.12	154	53.74	7.35	0.8	1.3	1.6	32	6	149	.14	3	0.7	0.5	28	LER
		28	15 5	45.10	19	25.79	155	18.92	9.83	1.9	1.9	1.0	7	0	146	.26	4	2.9	7.8	0	INT L
		28	1818	11.33	19	22.06	155	4.99	6.56	0.8	1.3	1.5	23	0	75	.12	5	0.5	1.2	11	SF5
		28	1854	57.89	19	25.88	155	15.73	11.56	2.0	2.4	1.4	11	1	167	.14	3	1.6	0.9	0	INT L
		28	19 3	22.40	19	24.51	155	15.95	1.63	1.4	1.4	1.0	9	0	94	.15	2	0.4	0.8	0	SEC L
		28	1929	20.94	19	24.50	155	14.56	2.86	1.6	1.8	1.2	6	0	190	.04	4	1.0	1.4	0	SEC L
		28	2248	25.36	19	21.21	155	11.34	8.58	2.0	2.1	1.9	56	9	66	.13	3	0.3	0.3	50	SF3
		29	314	44.27	19	23.91	155	17.51	6.60	1.7	1.8	1.1	15	2	84	.10	1	0.7	0.7	15	INT L
		29	414	29.85	19	24.17	155	17.51	6.82	2.1	2.7	1.4	23	4	55	.17	2	0.5	0.6	20	INT L
		29	5 6	21.26	19	24.06	155	18.57	7.98	1.6	1.7	1.0	19	2	66	.17	2	0.6	1.0	17	INT L
		29	8 9	41.49	19	24.66	155	15.59	10.90	1.9	1.6	1.2	21	4	106	.10	2	0.9	0.6	17	INT L
		29	9 1	8.12	19	24.09	155	19.40	9.89	1.9	1.7	1.2	18	3	63	.13	1	0.7	1.2	16	KAO L
		29	1026	22.97	19	24.07	155	16.24	10.92	1.9	1.7	1.2	17	5	77	.10	1	1.5	0.7	10	INT L
		29	1028	0.99	19	20.40	155	6.61	7.84	0.8	1.7	1.4	25	4	105	.08	6	0.5	0.9	22	SF4
		29	1223	57.58	19	24.55	155	17.60	11.63	1.8	1.9	1.3	14	5	85	.11	1	1.6	0.9	11	INT L
		29	1246	29.08	19	24.17	155	17.12	6.05	1.6	1.5	1.2	10	0	80	.13	1	1.0	1.5	11	INT L
		29	1421	56.92	19	23.96	155	16.41	7.19	2.2	2.9	1.6	14	2	72	.11	0	0.8	1.0	12	INT L
		29	1727	14.95	19	26.72	155	18.25	7.35	2.0	2.5	1.0	11	1	123	.09	3	0.7	1.5	0	INT L
		29	1731	31.79	19	24.95	155	14.61	4.81	2.0	2.2	1.4	16	1	156	.19	1	1.0	1.2	1	SNC L
		29	2144	8.51	19	25.08	155	14.54	9.65	2.1	2.2	1.4	20	3	160	.13	1	0.9	0.7	18	INT L
		29	2259	14.94	19	24.75	155	16.38	5.22	1.6	1.7	1.2	18	2	97	.12	1	0.6	0.4	18	INT L
		30	010	52.36	19	24.28	155	18.21	6.46	1.7	2.2	1.2	17	2	57	.14	2	0.6	1.0	17	INT L
		30	223	54.18	19	24.89	155	16.19	8.23	2.4	3.0	1.7	24	4	69	.15	1	0.6	0.6	21	INT L
		30	237	0.77	19	23.74	155	17.42	9.92	2.1	2.1	1.3	17	1	54	.21	1	0.9	1.6	17	INT L
		30	3 9	25.49	19	24.91	155	15.87	9.55	2.0	1.7	1.3	20	3	112	.14	2	0.8	0.8	16	INT L
		30	436	16.61	19	25.18	155	17.04	8.02	1.9	2.0	1.4	19	2	94	.12	1	0.7	0.6	17	INT L
		30	6 5	5.33	19	10.57	155	32.80	1.73	2.2	2.3	2.1	40	4	108	.15	9	0.4	0.6	38	LSW
		30	618	9.24	19	24.01	155	16.98	7.40	1.9	2.0	1.4	19	2	71	.13	1	0.6	0.8	17	INT L
		30	655	2.13	19	25.02	155	18.31	8.04	1.7	1.7	1.1	16	1	84	.14	1	0.7	0.9	17	INT L
		30	746	45.37	19	23.02	155	2.84	8.46	2.0	2.0	1.8	40	4	121	.14	3	0.6	0.3	36	SF5 L
		30	913	39.01	19	24.08	155	18.42	8.19	2.3		1.5	17	3	61	.13	3	0.7	1.0	17	INT L
		30	958	51.93	19	24.84	155	17.31	9.83	1.8	1.9	1.1	19	3	67	.15	1	0.9	0.8	17	INT L
		30	1221	53.39	19	22.05	155	5.28	7.21	2.4	2.6	2.2	44	8	75	.12	5	0.4	0.6	36	SF5
		30	1333	57.38	19	20.40	155	6.72	7.19	0.8	1.6	1.5	25	0	104	.11	6	0.5	1.3	15	SF4
		30	1347	32.03	19	28.32	155	17.85	7.94	2.1	2.7	1.8	10	2	238	.24	2	2.2	1.7	1	GLN L
		30	1353	48.86	19	28.74	155	14.70	1.17	1.6	1.6	1.4	10	3	275	.21	8	1.7	1.2	2	GLN L
		30	1459	8.07	19	25.28	155	16.77	8.16	1.9	2.3	1.4	15	6	103	.12	1	1.0	1.0	1	INT L
		30	1524	35.18	19	23.14	155	2.61	7.05	1.7	1.6	1.6	16	2	125	.08	3	0.5	0.8	9	SF5
		30	1658	38.34	19	26.50	155	10.20	4.53	2.1	1.8	1.5	12	1	291	.11	8	1.6	11.6	2	GLN L*
		30	1910	49.03	19	23.68	155	15.81	8.93	2.4	2.9	1.7	17	2	94	.14	2	0.8	1.0	0	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	AUG	30	1921	8.98	19	22.22	155	13.87	7.99	1.9	1.5	1.2	11	2	247	.10	4	1.2	1.8	2	SF2 L
		30	20 6	11.08	19	25.61	155	16.25	9.21	2.1	1.9	1.4	14	1	127	.08	2	0.8	1.5	1	INT L
		30	2056	55.77	19	23.78	155	19.76	19.49	2.2	2.1	1.4	5	0	301	.13	5	6.6	14.6	2	DML L*
		30	2318	41.03	19	24.22	155	17.71	6.40	1.9	2.4	1.4	17	2	45	.09	2	0.5	0.7	17	INT L
		31	222	56.83	19	25.29	155	15.82	9.00	2.2		1.5	18	2	131	.11	2	0.8	1.1	16	INT L
		31	224	0.82	19	24.73	155	17.12	10.50	1.9	2.1	1.3	21	4	57	.13	0	0.8	0.7	17	INT L
		31	4 7	45.39	19	24.67	155	17.79	8.01	2.2	2.5	1.5	21	3	57	.12	1	0.6	0.6	18	INT L
		31	5 9	57.28	19	24.70	155	17.04	10.73	2.1	2.3	1.4	19	3	79	.08	0	0.7	0.7	16	INT L
		31	746	31.90	19	24.15	155	17.87	8.31	2.1	2.5	1.5	19	3	48	.15	2	0.6	1.0	17	INT L
		31	857	37.76	19	19.78	155	7.89	8.71	1.6	1.6	1.4	32	6	94	.10	5	0.4	0.4	27	SF4 L
		31	944	25.01	19	24.94	155	17.45	10.81	2.4		1.6	13	3	133	.08	1	1.1	0.6	11	INT L
		31	1034	9.28	19	25.69	155	17.46	10.59	1.9	1.7	1.2	15	4	98	.11	1	1.8	1.0	9	INT L
		31	1142	45.08	19	22.98	155	19.22	10.11	2.3	2.5	1.6	16	5	109	.21	4	1.5	1.5	12	KAO L
		31	1222	40.58	19	25.18	155	18.09	9.87	1.8	1.9	1.2	14	5	90	.11	1	2.1	0.7	7	INT L
		31	1433	2.87	19	26.27	155	17.37	14.53	2.1	2.1	1.2	14	3	186	.13	2	2.2	1.1	12	DEP L
		31	1635	59.08	19	27.10	155	12.43	10.58	2.4	3.1	1.7	12	1	268	.09	6	1.6	1.4	0	GLN L
		31	1710	56.39	19	19.30	155	29.77	10.30	1.7	1.6	1.5	31	2	53	.10	7	0.3	0.6	11	KAO
		31	1753	21.12	19	24.63	155	17.80	0.02	1.4	2.8	1.6	5	0	133	.06	1	0.4	0.9	0	SNC L*
		31	1944	58.61	19	25.74	155	16.26	9.54	2.1	2.7	1.6	12	1	131	.10	2	0.9	1.5	0	INT L
		31	2215	33.17	19	24.15	155	17.87	2.02	1.6	2.0	1.3	11	0	83	.17	2	0.5	0.6	1	SSC L
	SEP	1	052	41.31	19	23.46	155	19.04	8.40	2.2	2.6	1.5	11	0	116	.12	1	1.0	2.3	0	KAO L
		1	739	31.13	19	19.95	155	8.74	8.69	2.0	1.7	2.0	42	7	74	.11	4	0.4	0.6	31	SF4
		1	923	5.75	19	24.94	155	16.50	9.78	2.2	1.7	1.6	10	0	153	.12	1	1.2	2.3	3	INT L
		1	1343	24.93	19	24.41	155	16.38	4.51	1.7	1.5	1.1	11	1	86	.11	1	0.5	0.8	0	SEC L
		1	1616	35.71	19	19.35	155	8.14	5.41	1.2	1.1	1.6	28	8	91	.12	4	0.3	0.9	25	SF4
		1	1757	25.28	19	26.30	155	16.72	11.41	1.9	1.6	1.3	13	5	124	.06	2	1.4	0.6	9	INT L
		1	2230	6.76	19	27.23	155	15.67	11.98	2.3	2.2	1.6	19	10	212	.12	2	1.3	0.8	10	INT L
		1	2344	54.64	19	19.59	155	8.43	6.45	2.2	2.1	2.3	43	7	82	.14	4	0.4	0.7	39	SF4
		2	117	25.93	19	26.99	155	15.11	9.18	1.9	1.6	1.2	19	9	217	.14	3	1.0	1.0	10	INT L
		2	532	47.88	19	24.69	154	59.13	6.35	1.1	1.3	1.6	29	6	165	.19	1	0.6	0.8	25	LER
		2	1024	13.75	19	25.75	154	59.38	5.92		1.1	1.7	33	9	76	.20	2	0.5	0.8	24	LER
		2	1558	7.86	19	25.45	155	19.41	6.72	2.0	1.3	1.3	31	11	76	.12	3	0.4	0.7	20	KAO
		2	1742	13.66	19	19.65	155	8.04	7.94	2.1	1.8	1.9	42	10	90	.13	4	0.4	0.5	33	SF4
		2	1941	42.73	19	5.45	155	0.04	40.29	2.8	2.5	2.6	47	2	269	.11	26	2.1	1.0	46	LOI
		2	22 0	8.86	19	19.43	155	6.62	7.31	1.9	1.2	1.9	35	10	130	.11	5	0.4	0.6	30	SF4
		3	454	55.86	19	15.56	155	28.42	8.42		1.3	1.5	25	1	69	.14	3	0.4	1.0	13	LSW
		3	532	32.11	19	18.90	155	18.61	32.74	1.8	1.9	1.8	55	9	70	.11	2	0.6	0.8	41	DEP
		3	1552	41.64	19	24.71	155	0.02	7.99	1.1	1.6	1.6	21	2	139	.10	2	0.5	0.8	6	SF5
		3	1751	3.98	19	5.71	155	32.24	47.95	2.6	2.7	2.3	40	3	164	.15	10	0.9	1.3	31	DLS
		3	2057	55.38	19	26.02	155	13.19	9.60	1.8	1.2	1.4	16	6	276	.13	3	1.4	0.7	11	GLN
		4	755	42.89	19	17.56	155	20.70	8.26		1.2	1.1	17	4	131	.10	4	0.5	0.8	13	SWR
		4	12 3	15.57	19	20.75	155	5.42	5.45	1.6	1.7	1.7	45	6	107	.12	5	0.4	0.7	39	SF4
		4	1226	1.44	19	22.41	155	33.71	6.85	2.3	2.4	1.8	33	4	46	.14	5	0.4	0.9	30	MLO
		4	1517	11.10	19	20.57	155	7.01	7.94	0.8	1.2	1.4	32	6	97	.13	5	0.4	0.6	27	SF4
		4	1730	30.06	19	19.47	155	10.32	6.52			1.3	29	3	98	.13	5	0.4	0.9	27	SF3

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	SEP	5	058	35.33	19	17.64	155	30.87	9.14	1.7	1.6	1.5	41	5	43	.13	5	0.3	0.6	38	LSW
		5	619	18.02	19	17.34	155	28.87	12.77	1.7	1.8	1.6	35	3	50	.11	5	0.4	0.6	34	LSW
		5	8 5	13.07	19	24.11	155	17.25	8.00	2.1	2.7	1.3	21	5	62	.12	1	0.7	0.7	16	INT L
		5	1016	56.37	19	24.05	155	17.86	8.26	2.1	2.5	1.3	19	3	47	.15	2	0.7	0.9	16	INT L
		5	12 3	26.41	19	24.76	155	37.13	1.05	2.3	2.6	1.7	16	2	161	.14	5	0.6	1.3	16	MLO
		5	13 2	11.50	19	49.27	155	42.02	21.26	1.8	1.9	1.6	17	3	179	.11	6	1.0	2.2	16	KEA
		5	1350	41.91	19	18.54	155	13.38	7.84	1.5	1.7	1.5	21	3	81	.08	3	0.5	1.0	20	SF2
		5	1754	11.43	19	24.89	155	1.03	7.43	2.1	2.5	2.0	48	6	117	.11	4	0.4	0.4	22	SF5
		5	2147	22.46	19	22.52	155	30.03	9.89	1.7	1.9	1.6	48	6	35	.12	4	0.3	0.4	43	KAO
		5	2159	17.15	19	19.71	155	11.69	7.67	1.8	1.8	1.7	49	7	89	.13	5	0.3	0.4	45	SF3
		6	746	21.06	19	18.04	155	13.66	8.21	2.2	2.6	2.1	50	7	92	.13	2	0.3	0.3	47	SF2
		6	916	37.37	19	19.24	155	8.51	6.33		1.4	1.3	24	6	82	.09	4	0.4	0.7	22	SF4
		6	943	24.90	19	19.24	155	11.84	6.55		1.1	1.2	24	3	98	.10	5	0.4	1.0	22	SF3
		6	1115	10.95	19	19.17	155	13.22	9.21	2.2	2.7	2.2	48	6	126	.12	6	0.4	0.6	43	SF2
		6	1116	50.86	19	18.18	155	13.20	6.10		1.3	1.3	20	4	94	.08	2	0.5	1.0	16	SF2
		6	1537	28.16	19	10.99	155	20.01	46.80			1.5	27	2	199	.10	9	1.4	1.2	5	DEP
		6	17 0	42.01	19	13.64	155	34.97	8.40	2.4	2.2	2.1	33	1	193	.19	4	0.7	0.9	19	LSW
		6	2239	53.52	19	50.37	156	37.79	2.05	2.8	2.6	2.6	44	4	302	.17	84	6.3	2.8	44	DIS
		6	2341	30.84	19	22.32	155	2.93	8.08	0.8	1.2	1.5	42	3	114	.14	4	0.6	0.5	40	SF5
		7	0 3	38.50	19	23.48	155	18.70	9.64	2.2	2.3	1.5	21	5	54	.11	2	0.6	0.9	18	INT L
		7	0 9	54.27	19	23.88	155	17.20	11.47	1.9	2.0	1.2	17	3	66	.12	1	0.8	0.9	16	INT L
		7	1 6	49.55	19	23.86	155	17.66	8.34	2.2	2.5	1.4	19	3	47	.14	2	0.7	0.9	16	INT L
		7	136	59.34	19	24.02	155	16.47	14.33	2.0	1.9	1.1	22	5	100	.12	0	0.9	0.6	19	DEP L
		7	216	25.17	19	25.03	155	17.12	12.04	2.1	1.9	1.2	18	3	89	.13	0	0.9	0.7	15	INT L
		7	317	21.87	19	24.72	155	16.95	9.11	2.0	2.2	1.3	21	5	86	.09	0	0.6	0.4	17	INT L
		7	437	59.77	19	25.16	155	15.72	11.25	2.4	3.1	1.6	21	3	128	.13	2	0.9	0.5	18	INT L
		7	5 6	42.19	19	23.77	155	18.48	11.35	1.8	1.6	1.1	17	3	50	.13	2	0.8	1.2	16	INT L
		7	540	11.28	19	20.18	155	4.23	6.55	0.8		1.5	33	4	130	.13	2	0.5	0.8	31	SF5
		7	722	40.22	19	23.27	155	20.02	9.20	2.2	2.6	1.3	19	4	98	.16	1	0.7	1.4	17	KAO L
		7	9 0	42.96	19	24.81	155	18.04	8.67	2.0	2.4	1.4	22	4	64	.11	1	0.6	0.6	18	INT L
		7	11 1	58.48	19	25.27	155	17.28	7.41	1.9	2.3	1.3	16	1	153	.12	1	0.7	0.8	17	INT L
		7	1334	31.16	19	27.57	155	19.50	8.48	2.4	2.9	1.6	9	1	198	.11	5	1.1	1.5	1	KAO L
		7	1343	9.03	19	23.37	155	15.09	3.29	2.3	2.3	1.6	34	9	46	.10	2	0.2	0.3	19	SEC
		7	1513	41.85	19	20.88	155	5.96	5.96	1.6	1.7	1.7	33	0	101	.13	5	0.5	1.0	14	SF4
		7	19 7	22.90	19	25.78	155	16.55	11.05	2.2	3.0	1.7	13	3	123	.11	2	0.9	0.9	1	INT L
		7	2310	12.92	19	24.34	155	17.59	7.74	2.4	3.2	1.6	18	2	44	.10	1	0.5	0.6	19	INT L
		7	2321	24.60	19	24.38	155	17.17	8.13	1.7	1.7	1.1	16	2	66	.11	1	0.8	0.7	15	INT L
		8	125	0.82	19	25.19	155	17.15	11.86	1.6	1.6	1.0	14	3	91	.12	1	1.0	0.8	11	INT L
		8	347	23.07	19	25.79	155	15.47	7.27	1.9	2.0	1.2	23	5	154	.12	3	0.8	0.6	18	INT L
		8	5 8	33.53	19	23.52	155	19.11	9.66	2.2	2.5	1.4	22	4	55	.17	1	0.6	0.9	18	KAO L
		8	854	8.93	19	24.81	155	15.16	11.60	1.9	1.6	1.3	20	5	124	.15	1	1.1	0.6	15	INT L
		8	1039	59.33	19	20.23	155	12.55	7.11	1.4	1.3	1.5	31	3	73	.12	5	0.4	0.7	22	SF2 L
		8	1215	22.05	19	23.96	155	15.53	3.04	1.4	1.2	1.4	14	5	110	.08	2	0.4	0.7	8	SEC
		8	1319	28.56	19	26.61	155	12.70	8.75	2.6	2.7	1.7	14	2	196	.16	5	1.8	2.9	3	GLN L
		8	1346	11.58	19	21.33	155	17.18	0.01	2.3	2.3	1.5	11	2	188	.10	3	0.6	0.3	1	SWR L*

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	SEP	8	1550	37.76	19	23.12	155	19.20	7.50	1.9	2.2	1.4	17	4	59	.10	4	0.5	1.2	16	KAO L
		8	1844	3.32	19	24.29	155	16.30	10.16	2.5	2.4	1.7	21	3	83	.12	1	0.7	0.6	18	INT L
		8	1845	12.09	19	24.02	155	18.07	6.12	2.3	2.1	1.6	16	2	51	.10	2	0.5	0.8	18	INT L
		8	1914	52.48	19	19.49	155	11.64	6.06		1.3	1.4	36	3	94	.10	6	0.4	0.6	35	SF3
		8	1943	27.66	19	14.37	155	26.65	7.95		1.6	1.5	36	3	130	.16	5	0.5	0.7	34	LSW
		8	1948	28.63	18	28.75	155	44.87	35.78		2.7	2.2	43	9	313	.12	57	1.1	2.4	39	DIS
		8	20 6	46.86	19	24.89	155	16.37	6.53	1.7	1.4	1.1	21	4	101	.12	1	0.7	0.4	17	INT L
		8	2032	6.51	19	24.53	155	16.87	8.78	1.9	1.4	1.1	20	4	83	.14	1	0.9	0.6	17	INT L
		8	2130	52.01	19	24.70	155	17.33	10.48	1.7	1.9	1.1	20	4	46	.09	1	0.7	0.6	17	INT L
		8	2249	36.15	19	24.88	155	16.52	5.57	1.9	1.8	1.3	18	2	97	.12	1	0.6	0.5	17	INT L
		8	2347	7.63	19	24.26	155	17.38	3.76	1.4	1.9	1.0	19	4	52	.15	1	0.5	0.4	17	SSC L
		9	127	47.61	19	24.21	155	16.86	6.26	2.3	2.1	1.6	23	5	76	.16	1	0.6	0.6	18	INT L
		9	233	32.98	19	24.75	155	15.99	8.50	1.8	1.4	1.0	20	6	145	.12	2	1.0	0.5	15	INT L
		9	4 2	4.58	18	48.84	155	24.79	37.13	1.5	2.2	2.1	55	9	267	.12	32	0.9	1.2	47	LOI
		9	446	54.48	19	25.13	155	15.72	3.72	1.6	1.5	1.2	20	4	126	.12	2	0.5	0.4	16	SNC L
		9	6 8	40.11	19	26.69	155	14.19	5.93	2.3	2.5	1.7	23	5	203	.16	4	0.7	1.3	18	INT L
		9	955	59.00	19	24.82	155	16.89	11.06	2.1	1.7	1.3	20	3	90	.13	0	0.8	0.7	18	INT L
		9	1316	26.73	19	25.27	155	15.43	7.31	2.3	2.0	1.6	22	4	144	.12	2	0.8	0.6	18	INT L
		9	1317	8.11	19	24.66	155	16.45	9.51	2.2	2.3	1.7	21	4	92	.11	1	0.7	0.5	17	INT L
		9	1415	9.44	19	22.83	155	2.39	8.53	1.7	1.8	2.0	40	4	133	.13	4	0.6	0.4	39	SF5
		9	1522	44.46	19	19.95	155	9.68	8.15	1.8	1.4	1.6	38	6	84	.10	4	0.4	0.5	34	SF3
		9	1738	8.38	19	25.34	155	16.34	12.97	2.5	2.5	1.7	23	4	116	.14	1	1.0	0.5	19	INT L
		9	19 4	23.75	19	20.77	155	11.90	8.04	1.9	2.0	1.8	53	8	70	.12	4	0.4	0.3	47	SF3
		9	2150	45.55	19	24.28	155	17.46	8.28	1.6	1.7	1.0	17	3	71	.13	2	0.8	0.9	15	INT L
		9	2158	9.22	19	25.95	155	30.22	8.62	2.2	2.0	1.9	44	5	38	.11	8	0.4	1.0	39	KAO
		9	2259	23.60	19	28.50	155	20.73	1.63	1.4	1.1	1.2	18	2	133	.13	2	0.6	0.4	17	KAO
		9	23 2	58.01	19	23.78	155	18.87	12.12	2.4	2.3	1.5	22	3	53	.17	1	0.8	1.2	19	INT L
		10	047	37.13	19	14.35	155	26.15	6.92	1.7	1.5	1.6	37	2	109	.12	4	0.4	0.9	38	LSW
		10	2 9	9.06	19	23.46	155	16.61	10.13	1.9	2.0	1.3	19	5	87	.13	1	0.9	0.6	17	INT L
		10	329	56.56	19	19.77	155	10.53	5.77		1.1	1.3	39	6	92	.16	4	0.4	0.9	33	SF3
		10	443	5.89	19	25.87	155	15.67	10.46	1.9	1.9	1.2	19	3	194	.11	3	1.2	0.5	16	INT L
		10	557	47.37	19	18.35	155	0.80	36.12	3.3	3.4	3.2	60	9	199	.12	5	0.9	0.5	51	DEP F
		10	6 5	22.82	19	24.76	155	16.43	8.16	2.4	2.4	1.8	19	2	96	.12	1	0.6	0.9	18	INT L
		10	826	16.95	19	15.38	155	25.22	8.79		1.6	1.2	16	2	72	.06	3	0.5	0.9	5	LSW
		10	1420	31.38	19	19.80	155	7.50	7.82	2.1	2.5		29	2	133	.10	5	0.5	0.8	23	SF4
		10	1734	50.03	19	20.51	155	12.68	7.74	1.8	2.2	1.8	41	4	68	.12	4	0.4	0.5	34	SF2
		10	1736	54.85	19	23.93	155	19.05	8.27	2.0	2.2	1.4	8	0	181	.14	4	2.2	3.0	0	KAO L
		10	1835	11.56	19	23.76	155	15.52	15.59	2.0	2.4	1.2	14	4	100	.12	2	2.0	0.8	0	DEP L
		10	19 7	42.09	19	24.41	155	18.89	5.67	2.0	2.7	1.3	13	2	162	.17	3	0.9	1.4	0	INT L
		10	1918	23.32	19	15.54	155	20.79	10.39	2.0	1.8	1.1	6	0	304	.09	15	8.3	7.4	0	SWR L*
		10	1927	46.19	19	24.08	155	15.87	2.11	1.3	1.3	1.4	11	3	118	.06	1	0.3	0.6	7	SEC
		10	1941	55.52	19	21.46	155	14.14	4.05	1.8	2.0	1.1	8	1	166	.09	4	1.0	1.5	0	KOA L
		10	1948	5.96	19	26.34	155	13.61	11.62	2.1		1.4	7	1	203	.10	6	1.8	2.0	1	GLN L
		10	2131	1.55	19	25.57	155	15.46	6.60	2.2	2.9	1.6	18	2	150	.13	3	0.8	0.7	17	INT L
		10	2147	26.63	19	19.90	155	8.77	7.57	1.9	2.4	1.9	53	8	75	.13	4	0.3	0.4	47	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	SEP	10	22 2	13.86	19	24.47	155	16.82	7.79	1.8	2.4	1.3	19	2	82	.13	1	0.6	0.8	18	INT L
		10	2240	15.55	19	24.10	155	15.95	7.46	1.6	2.1	1.0	15	3	128	.10	1	0.8	0.4	12	INT L
		10	2253	30.67	19	24.08	155	15.40	4.85	1.6	2.1	1.2	18	3	77	.12	2	0.5	0.8	18	SEC L
		10	2349	52.43	19	23.85	155	17.97	9.93	1.6	1.9	1.1	16	2	64	.14	2	0.8	1.1	16	INT L
		11	0 1	9.76	19	24.50	155	17.51	7.93	1.7	2.2	1.2	22	5	54	.15	1	0.7	0.5	18	INT L
		11	112	20.65	19	23.24	155	18.80	7.86	1.8	2.2	1.1	19	2	57	.19	2	0.7	1.5	18	INT L
		11	128	54.34	19	24.18	155	18.23	8.95	1.5	1.7	1.0	17	4	82	.14	3	0.7	0.8	15	INT L
		11	132	35.92	19	51.92	155	34.48	29.05	2.2	1.7	1.7	47	4	162	.11	9	0.7	0.8	45	KEA
		11	143	55.43	19	20.96	155	52.34	10.14	2.2	1.7	1.8	38	4	186	.21	9	1.0	0.6	36	KON
		11	248	25.29	19	25.04	155	16.09	9.47	1.8	2.0	1.2	22	4	113	.14	2	0.8	0.5	18	INT L
		11	329	25.11	19	25.17	155	16.47	8.32	2.1	2.2	1.0	18	2	107	.14	1	0.8	0.6	16	INT L
		11	447	11.99	19	24.26	155	16.84	8.66	1.7	1.7	1.2	19	5	77	.10	1	0.7	0.5	16	INT L
		11	529	9.36	19	25.36	155	16.57	7.70	2.1	2.9	1.5	19	2	109	.12	1	0.7	0.6	17	INT L
		11	544	58.92	19	25.15	155	16.32	7.65	1.8	2.0	1.3	18	2	111	.10	1	0.6	0.5	17	INT L
		11	626	25.52	19	23.97	155	17.69	9.92	2.1	2.6	1.4	22	4	46	.13	2	0.6	0.8	18	INT L
		11	646	44.15	19	24.11	155	17.14	11.59	1.8	1.8	1.2	17	0	68	.12	1	0.8	2.0	18	INT L
		11	739	41.58	19	24.93	155	16.89	8.19	1.6	1.5	1.1	19	4	92	.12	0	0.7	0.5	16	INT L
		11	811	59.74	19	24.45	155	16.82	7.13	1.7	2.2	1.1	14	1	82	.11	2	0.6	0.8	15	INT L
		11	839	6.95	19	25.05	155	16.38	6.79	1.9		1.3	18	2	106	.11	1	0.7	0.5	18	INT L
		11	9 9	25.34	19	24.00	155	16.48	6.28	1.7	1.5	1.1	18	3	73	.15	0	0.6	0.8	17	INT L
		11	931	48.04	19	24.69	155	15.85	2.55	1.3	1.8	1.0	13	0	142	.12	2	0.6	0.5	14	SNC L
		11	948	26.90	19	24.62	155	16.55	6.63	1.7	1.5	1.0	21	4	90	.12	1	0.6	0.5	17	INT L
		11	1054	31.28	19	26.47	155	15.64	9.55	2.0	2.5	1.4	14	2	164	.12	3	1.1	1.0	3	INT L
		11	1124	12.66	19	27.22	155	16.71	5.83	1.8	2.5	1.2	14	4	136	.11	1	1.0	1.0	1	INT L
		11	1215	56.20	19	24.23	155	17.01	7.39	2.1		1.1	11	1	92	.06	1	0.7	0.8	1	INT L
		11	1339	51.51	19	24.72	155	17.32	8.66	1.8	1.9	1.3	14	2	65	.14	1	0.8	1.3	2	INT L
		11	1530	16.05	19	24.52	155	18.28	9.88	2.1	2.9	1.3	18	6	85	.09	2	1.2	0.7	2	INT L
		11	1637	28.72	19	23.04	155	25.30	10.03	2.0	2.0	1.8	45	6	29	.12	4	0.3	0.6	29	KAO
		11	17 3	13.10	19	26.74	155	14.43	0.02	1.8	2.1	1.5	13	2	218	.17	4	0.7	0.6	0	SNC L*
		11	1742	33.07	19	23.73	155	17.79	2.98	1.3	1.6	1.0	8	3	96	.10	3	0.4	0.8	0	SSC L
		11	1817	6.77	19	19.93	155	9.78	7.27	1.5	1.5	1.6	28	2	85	.11	4	0.5	0.9	22	SF3 L
		11	2014	46.31	19	18.10	155	58.02	12.41	2.3	1.8	1.7	21	1	266	.11	11	1.8	0.5	9	KON
		11	21 4	19.75	19	29.55	155	26.64	4.35	2.0	1.2	1.3	47	13	42	.14	5	0.3	1.2	36	KAO
		11	2148	9.82	19	24.62	155	17.15	7.03	1.7	1.8	1.1	20	3	63	.12	1	0.6	0.6	18	INT L
		11	2243	37.49	19	24.15	155	16.63	6.34	1.5	1.5	0.9	19	3	76	.14	0	0.6	0.7	16	INT L
		12	233	51.35	19	24.62	155	16.74	6.78	2.0	2.6	1.5	18	2	87	.12	1	0.7	0.6	17	INT L
		12	349	35.24	19	23.02	155	27.81	5.50		1.1	0.9	21	3	45	.13	1	0.4	0.5	18	KAO
		12	521	5.34	19	27.10	156	9.27	2.86	2.7	1.9	1.9	35	7	284	.13	25	0.9	1.2	30	KON
		12	550	7.89	19	23.90	155	16.25	4.76	1.5	1.7	0.9	15	2	71	.15	1	0.6	0.9	14	SEC L
		12	633	1.39	19	25.13	155	16.84	6.59	1.5	1.7	0.9	17	3	97	.16	1	0.8	0.5	14	INT L
		12	734	46.97	19	24.49	155	17.59	8.67	1.6	1.7	1.0	19	3	43	.15	1	0.7	0.8	17	INT L
		12	937	30.46	19	16.51	155	13.23	8.63	1.6	1.2	1.4	26	6	206	.13	1	0.6	0.7	22	SF2
		12	1434	15.12	19	24.02	155	17.26	6.93	2.0	2.2	1.4	16	4	61	.19	1	1.1	1.1	13	INT L
		12	2334	11.50	19	21.74	155	24.80	13.22	2.0	1.8	1.6	49	10	44	.11	4	0.4	0.3	40	DEP
		13	230	0.48	19	22.53	155	8.38	3.23		1.1	1.2	23	3	105	.11	2	0.6	0.3	22	SER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	SEP	13	838	26.76	19	18.39	155	28.81	11.13	1.7	1.6	1.4	24	2	70	.11	7	0.5	1.3	22	LSW
		13	1114	1.62	19	20.35	155	7.53	8.15	2.4	2.9	2.6	50	8	93	.12	5	0.5	0.6	42	SF4
		13	1745	52.37	19	22.46	155	3.19	4.73	0.8	1.5	1.5	25	0	117	.11	4	0.5	1.6	7	SSF
		13	2018	32.76	19	18.47	155	13.32	9.83	3.1	3.4	3.3	52	6	131	.11	8	0.5	0.4	48	SF2
		13	2021	17.96	19	17.82	155	12.91	7.29	1.8	2.1	1.7	25	2	119	.09	2	0.6	1.0	18	SF2
		13	2212	15.26	19	25.51	155	14.67	5.43	2.0	2.6	1.5	20	2	166	.17	2	0.9	1.1	18	INT L
		13	2225	20.79	19	24.83	155	17.19	6.61	1.5	1.8	1.1	20	4	60	.14	0	0.6	0.6	17	INT L
		14	130	8.31	19	17.67	155	13.25	6.97		1.2	1.1	23	3	106	.10	1	0.4	0.7	21	SF2
		14	326	7.53	19	21.32	155	7.97	8.84	1.6	1.9	1.5	41	5	73	.12	4	0.5	0.4	37	SF4
		14	344	40.30	19	17.61	155	13.19	7.62	1.5	1.5	1.2	31	6	113	.11	1	0.5	0.6	26	SF2
		14	413	46.21	19	17.35	155	12.80	7.36		1.4	1.2	24	4	153	.11	1	0.5	0.6	22	SF2
		14	6 0	32.91	19	20.01	155	7.01	6.88	0.9	1.2	1.3	31	4	108	.12	5	0.4	0.6	30	SF4
		14	6 2	10.51	19	56.08	155	53.31	25.48	2.8	3.4	2.4	37	8	209	.11	24	0.9	1.1	31	KOH
		14	611	1.32	19	17.58	155	12.99	7.35			1.2	17	2	127	.08	1	0.7	0.8	15	SF2
		14	951	6.50	19	55.11	155	55.78	24.64	2.6	3.5	2.5	28	8	215	.12	27	1.1	1.7	23	KOH
		14	1351	37.12	19	17.05	155	12.96	8.04		1.2	1.3	17	2	181	.11	1	0.6	1.2	8	SF2
		14	1442	56.87	19	22.76	155	19.89	7.31	1.8	1.7	1.2	7	1	202	.09	5	1.5	4.4	2	KAO L
		14	1554	50.93	20	6.75	155	39.32	18.62	2.5	2.4	2.0	40	5	209	.13	13	1.3	2.6	24	KOH
		14	20 5	16.20	19	24.22	155	19.42	7.78	1.9	2.1	1.3	12	4	223	.10	4	1.1	1.2	6	KAO L
		14	2335	22.76	19	24.97	155	16.68	12.78	1.9	1.6	1.2	15	3	97	.05	1	1.0	0.5	12	INT L
		14	2347	32.21	19	23.93	155	17.80	10.88	2.5		1.6	17	2	74	.14	2	0.7	1.1	0	INT L
		15	0 4	42.35	19	25.42	155	16.73	9.97	2.1	2.5	1.7	13	0	107	.09	1	0.9	1.8	1	INT L
		15	1 6	33.85	19	27.57	155	15.79	10.28	2.1	2.8	1.0	11	2	227	.13	2	1.6	1.3	0	INT L
		15	315	42.84	19	28.55	155	8.55	5.64	2.0	1.5	1.3	8	2	326	.14	12	2.3	12.4	0	GLN L*
		15	4 7	50.89	19	16.83	155	27.43	10.64		1.4	1.1	15	3	109	.09	6	0.6	0.8	9	LSW
		15	436	43.03	19	24.58	155	16.91	7.60	2.1	2.5	1.6	11	0	62	.15	1	0.7	1.6	1	INT L
		15	522	30.29	19	24.12	155	16.40	9.53	1.9	2.1	0.6	8	0	109	.06	1	1.4	2.8	0	INT L
		15	620	6.52	19	32.16	155	14.31	14.17	2.3	2.3	1.5	8	1	305	.16	14	3.4	4.4	0	DEP L
		15	7 4	55.38	19	16.82	154	35.90	28.62	2.3	3.1	1.5	17	0	317	.09	33	10.4	4.8	10	DIS *
		15	819	10.19	19	27.79	155	52.32	0.36	2.1	1.8	1.7	16	3	179	.11	6	0.9	0.3	15	KON
		15	854	16.99	19	32.93	155	12.95	4.33	2.1	2.4	1.3	10	1	304	.13	15	3.1	14.2	1	GLN L*
		15	918	57.05	19	24.28	155	17.44	11.83	2.2	2.6	1.5	17	6	84	.09	1	1.2	0.6	11	INT L
		15	10 3	22.61	19	26.13	155	16.53	10.70	2.1	2.7	1.5	13	4	130	.11	2	1.6	1.1	2	INT L
		15	13 2	2.45	19	25.25	155	16.91	14.60	2.6	3.1	1.6	14	1	99	.11	1	0.9	1.4	2	DEP L
		15	1541	50.90	19	23.92	155	15.84	10.43	2.1	2.7	1.5	14	3	72	.17	1	1.3	1.2	12	INT L
		15	1625	47.30	19	25.59	155	16.14	12.74	1.9	2.1	1.2	14	4	182	.11	2	1.3	0.8	10	INT L
		15	1714	41.24	19	24.37	155	17.97	13.98	2.6	3.0	1.8	17	6	91	.12	2	1.1	0.6	14	DEP L
		15	2238	38.78	19	22.85	155	2.50	6.85	1.7	1.2	1.5	31	6	131	.11	4	0.5	0.8	24	SF5
		15	2246	35.55	19	27.20	155	16.49	12.20	2.5		1.8	20	8	146	.13	1	1.2	0.6	13	INT L
		15	2348	50.11	19	20.89	155	4.71	7.28	2.0	2.4	2.0	39	4	101	.10	4	0.4	0.8	33	SF5 L
		16	043	46.51	19	19.83	155	7.16	9.58	3.0	3.6	3.4	58	9	108	.11	5	0.5	0.4	51	SF4
		16	241	28.77	19	25.82	155	17.43	10.26	1.7	2.1	1.1	15	5	154	.08	1	1.4	0.7	10	INT L
		16	424	19.01	19	24.55	155	17.90	10.39	2.0	2.6	1.2	10	0	147	.08	2	1.8	3.0	12	INT L
		16	615	59.23	19	20.58	155	11.78	9.55	2.2	2.3	2.0	26	1	74	.08	4	0.4	1.0	27	SF3
		16	630	16.79	19	25.93	155	17.26	11.31	1.8	1.8	1.2	14	3	176	.14	1	1.1	1.0	13	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	SEP	16	1039	44.58	19	24.29	155	17.32	9.44	2.4		1.6	18	7	91	.13	1	0.9	0.8	13	INT L
		16	1046	26.19	19	25.32	155	17.05	11.87	1.8	1.8	1.2	17	6	96	.13	1	1.4	1.0	10	INT L
		16	1049	15.38	19	27.04	155	28.42	8.36	1.6	1.2	1.1	21	5	74	.10	7	0.4	1.2	16	KAO
		16	1114	17.05	19	24.22	155	17.43	9.78	1.7	1.7	1.0	17	6	118	.16	1	1.1	1.2	9	INT L
		16	1131	1.78	19	22.33	155	2.41	8.03	1.7	2.0	1.6	33	6	141	.14	5	0.5	0.6	29	SF5 L
		16	12 7	54.68	19	24.48	155	17.81	10.62	1.7	1.9	1.0	13	3	88	.09	2	1.8	1.2	7	INT L
		16	1454	53.06	19	23.64	155	19.00	14.50	1.9	1.8	1.2	13	4	182	.09	4	1.6	0.8	8	DEP L
		16	1736	40.48	19	25.55	155	18.01	10.74	1.7		1.1	15	4	241	.15	1	1.6	1.3	7	INT L
		16	1748	57.47	19	25.45	155	6.76	0.03		2.1	1.3	10	0	126	.08	4	0.7	2.0	10	SME *
		16	1752	56.08	19	23.37	155	5.78	0.03		2.1	1.3	10	3	147	.16	3	0.7	1.4	9	SME *
		16	1912	33.62	19	23.72	155	16.90	5.46	2.0	2.8	1.4	12	2	99	.12	1	0.7	1.1	12	INT L
		16	2134	3.20	19	17.98	155	13.26	6.43	1.9	1.8	1.7	33	5	95	.12	2	0.5	0.8	28	SF2
		16	2237	13.47	19	23.26	155	15.20	3.07	1.6	1.8	1.1	5	0	168	.09	3	1.0	2.6	0	SEC L
		16	2330	57.89	19	26.08	155	24.00	8.93	1.8	1.6	1.5	35	8	53	.09	3	0.3	0.6	18	KAO
		17	523	27.50	19	30.26	155	13.59	6.39	2.2	2.5	1.5	10	0	268	.25	7	6.7	4.6	0	GLN L
		17	612	4.57	19	15.46	155	29.80	12.87	2.4	2.4	2.0	43	7	61	.13	1	0.4	0.7	27	LSW
		17	735	25.68	19	24.57	155	17.41	2.15	1.7	1.8	1.3	15	1	65	.13	1	0.4	0.2	6	SNC L
		17	1159	53.60	19	21.64	155	17.17	2.69	1.6	1.8	1.3	7	0	144	.12	3	2.2	2.8	0	SWR L
		17	14 9	6.75	19	17.35	155	27.50	10.54		1.6	1.3	20	2	51	.10	6	0.5	1.0	12	LSW
		17	18 7	34.33	19	21.18	155	5.12	10.54	0.8	1.4	1.3	9	1	104	.10	5	1.0	1.7	7	SF5
		17	1836	19.99	19	24.36	155	18.25	16.90	2.2	2.5	1.2	10	0	112	.06	2	2.6	4.7	0	DEP L
		17	1951	48.25	19	22.85	155	3.84	8.67	2.3	2.8	2.6	48	7	94	.12	3	0.4	0.4	30	SF5
		17	2045	32.05	19	22.67	155	3.31	8.42	0.8	1.4	1.4	22	1	175	.14	3	0.6	0.7	12	SF5
		18	113	11.42	19	27.73	154	53.63	4.60	1.6	1.9	1.7	43	6	132	.13	3	0.4	0.6	39	SLE
		18	4 0	37.00	19	24.42	155	16.39	6.49	1.7	1.7	1.3	19	2	86	.14	1	0.6	0.7	18	INT L
		18	4 7	30.59	19	24.63	155	16.59	6.05	1.6	1.8	1.2	18	2	89	.13	1	0.6	0.5	17	INT L
		18	435	6.82	19	24.42	155	18.61	7.48	2.0	2.5	1.4	17	2	75	.12	2	0.6	0.8	18	INT L
		18	759	35.51	19	29.53	155	26.77	1.76	1.5	1.1	1.1	19	5	104	.09	5	0.4	0.8	15	KAO
		18	1119	9.59	19	19.75	155	7.51	5.70		1.4	1.4	29	4	103	.10	5	0.4	1.1	25	SF4
		18	1529	38.74	19	30.74	155	27.49	4.71	2.0	2.0	1.3	22	4	110	.12	2	0.4	1.2	12	MLO
		19	444	14.06	19	25.24	155	16.05	7.51	1.9	2.6	1.3	20	2	122	.11	2	0.7	0.5	18	INT L
		19	2121	5.11	19	26.46	155	21.94	10.15	2.3	2.4	1.8	50	12	64	.13	3	0.3	0.4	41	KAO
		19	2226	57.60	19	20.53	155	6.62	7.08	2.0	2.1	1.9	49	4	102	.13	5	0.4	0.5	46	SF4
		19	2316	35.58	19	19.78	155	7.65	7.53		1.2	1.3	28	5	99	.10	5	0.4	0.6	27	SF4
		20	0 3	39.52	19	18.36	156	50.93	27.98		2.6	2.4	25	2	331	.14	100	2.3	5.0	25	DIS
		20	2 0	36.00	19	21.45	155	4.77	5.20	1.4	1.5	1.6	40	6	86	.14	4	0.4	0.9	34	SF5
		20	410	27.52	19	24.25	155	18.13	7.42	1.8	2.1	1.2	16	2	56	.16	2	0.7	1.1	16	INT L
		20	543	34.85	19	55.86	156	8.69	82.88		2.9	1.9	19	3	300	.14	42	2.7	1.3	19	KOH
		20	832	19.50	19	28.51	155	24.78	4.08	2.1	1.8	1.5	36	6	74	.13	4	0.3	0.8	32	KAO
		20	1245	1.40	19	18.92	155	9.92	6.76	1.7	1.7	1.7	37	7	111	.14	5	0.5	0.8	30	SF3
		21	012	11.08	19	19.46	155	8.82	7.57		1.4	1.4	41	7	83	.09	4	0.4	0.5	35	SF4
		21	148	8.77	19	22.84	155	26.25	11.34	2.1	1.9	1.7	53	7	33	.13	2	0.3	0.4	46	KAO
		21	536	42.29	19	22.57	155	26.46	12.28	1.6	1.2	1.3	41	4	41	.11	2	0.4	0.3	37	KAO
		21	720	4.85	19	22.14	155	26.60	10.54	2.0	2.0	1.7	50	8	41	.12	2	0.3	0.4	43	KAO
		21	9 5	42.46	19	25.47	155	17.51	11.51	1.8	1.8	1.2	14	2	86	.08	0	1.0	1.0	11	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	MIN SEC	ERH DIS	ERZ KM	NO KM	FM	RMK
1989	SEP	21	18 4	21.23	19	8.99	154	47.30	34.78		1.7	1.8	9	0	298	.07	34	9.6	4.4	5	DIS *
		21	1950	18.66	19	20.52	155	12.90	7.24	1.4	1.3	1.5	31	1	65	.13	4	0.5	0.7	29	SF2
		21	2041	56.80	19	26.08	154	53.23	8.60	2.1	2.1	2.1	42	4	182	.14	4	0.8	0.5	29	LER
		22	617	42.67	19	20.06	155	11.87	9.97	3.3	3.7	3.6	53	7	81	.10	5	0.4	0.3	50	SF3 F
		22	634	59.08	19	19.01	155	14.64	8.34	1.4	1.4	1.3	36	4	93	.12	4	0.4	0.5	32	SF1
		22	1113	5.16	19	20.44	155	11.71	8.54	1.9	2.1	1.9	38	3	75	.11	4	0.5	0.6	29	SF3
		22	14 2	49.29	19	21.00	155	29.94	9.98	1.7	1.6	1.6	24	2	46	.12	5	0.5	0.9	19	KAO
		23	119	31.37	19	41.75	155	26.30	25.02	2.6	2.9	2.1	59	9	61	.11	10	0.4	0.6	51	KEA
		23	519	57.67	19	24.66	155	15.96	3.15	1.3	1.3	1.1	17	1	101	.13	2	0.5	0.4	18	SNC L
		23	913	17.87	19	25.14	155	20.56	6.31	2.1	2.1	1.4	38	7	43	.12	3	0.3	0.6	31	KAO
		23	1715	18.28	19	24.68	155	16.92	5.27	1.6	1.7	1.2	19	2	85	.11	0	0.5	0.5	18	INT L
		23	1813	52.92	19	13.66	155	32.72	6.38	1.2	1.3	1.5	40	5	120	.14	5	0.5	0.7	36	LSW
		23	20 4	38.05	19	22.81	154	59.20	7.94	1.8	1.4	1.7	45	5	173	.14	4	0.7	0.4	43	LER
		23	2041	35.83	19	20.94	155	7.52	8.28	0.8	1.2	1.4	37	5	84	.09	4	0.4	0.4	33	SF4
		23	21 3	56.28	19	21.25	155	52.98	8.42	2.2	1.5	1.9	36	3	175	.17	10	0.6	0.6	34	KON
		24	555	17.18	19	18.00	155	13.37	7.35		1.4	1.3	33	5	89	.09	2	0.4	0.5	31	SF2
		24	1047	42.05	19	18.47	155	11.67	0.77	1.5	1.3	1.2	5	0	277	.02	7	3.6	7.7	4	SSF *
		24	1625	22.46	19	19.43	155	10.78	4.99	1.5	1.3	1.3	15	0	100	.07	5	0.5	2.3	12	SSF
		24	17 2	35.83	19	18.54	155	14.02	7.06	1.4	1.5	1.3	22	1	100	.08	3	0.4	1.0	14	SF2
		24	1732	40.55	19	21.09	155	5.08	6.15	0.8	1.4	1.4	22	1	96	.13	4	0.5	1.0	9	SF5
		24	2126	49.12	19	20.29	155	10.74	9.61	1.7	2.0	1.6	33	4	81	.08	4	0.4	0.6	22	SF3
		24	2257	14.10	19	27.36	154	53.13	5.91	0.8	1.2	1.4	27	4	144	.14	3	0.5	0.7	24	LER
		25	721	33.45	19	27.41	154	53.94	5.92		1.4	1.7	33	4	140	.12	2	0.6	0.5	31	LER
		25	14 7	41.49	19	40.37	155	2.83	2.08	2.8	3.3	2.0	29	0	230	.14	19	1.2	15.3	34	HIL B*
		25	1843	2.45	19	23.16	155	14.63	3.52	1.8	1.6	1.4	25	6	59	.08	3	0.3	0.3	13	SEC
		25	2348	44.43	19	24.18	155	17.29	9.52	1.8	1.9	1.2	19	2	59	.14	1	0.7	0.9	18	INT L
		26	018	56.56	19	22.93	155	22.87	9.54	1.7	1.4	1.3	34	6	51	.12	5	0.3	0.4	29	KAO
		26	038	11.97	19	25.71	155	15.88	8.02	2.0		1.2	18	2	181	.15	2	1.1	0.8	17	INT L
		26	1015	13.05	19	44.34	155	1.73	0.00	2.4	3.0	1.9	17	0	257	.30	7	6.0	3.9	21	HIL B*
		26	1345	47.15	19	26.33	155	17.48	11.37	1.9	2.2	1.2	14	6	165	.10	2	1.5	0.7	9	INT L
		26	1452	49.61	19	11.82	155	41.65	0.02		1.4	1.3	12	1	212	.13	10	1.5	0.8	8	LSW *
		26	16 7	38.73	19	23.09	155	2.68	7.64	2.0	2.0	1.9	27	3	124	.13	3	0.6	0.9	15	SF5
		26	1633	2.43	19	19.82	155	12.23	8.12	1.8	2.2	1.9	36	3	82	.12	5	0.5	0.6	29	SF3
		26	1720	26.31	19	18.28	155	13.31	6.47	0.9	1.5	1.4	26	1	87	.09	2	0.5	1.0	16	SF2
		26	2031	48.74	19	20.81	155	28.51	10.27		1.2	1.2	25	2	40	.11	3	0.4	0.7	12	KAO
		26	2348	38.68	19	25.68	155	16.37	3.49	1.3	2.6	1.0	16	0	174	.10	2	0.7	0.5	17	SNC L
		27	236	4.94	19	21.24	155	4.82	7.09	0.8	1.4	1.5	37	5	92	.14	4	0.5	0.5	36	SF5
		27	632	31.20	19	22.89	155	3.95	8.39	2.0	2.0		31	3	96	.12	3	0.5	0.4	27	SF5
		27	1133	58.95	19	23.56	155	29.86	9.61	1.6	1.4	1.5	30	2	51	.10	4	0.4	0.6	23	KAO
		27	12 0	42.20	19	11.12	155	18.52	4.97	2.6	2.5	1.1	6	0	337	.25	17	22.2	20.4	1	SWR L*
		27	1941	51.64	19	20.38	155	7.69	8.42	2.5	3.0	2.7	52	8	89	.12	5	0.4	0.5	37	SF4
		27	2058	24.33	19	20.22	155	6.40	7.89	1.2	1.6	1.5	28	2	113	.11	6	0.5	0.7	16	SF4
		28	1 8	39.99	19	20.93	155	7.00	8.59	2.2	2.8	2.1	50	7	91	.11	5	0.4	0.4	47	SF4
		28	150	44.53	19	24.28	155	16.03	1.48	2.3	2.9	1.8	22	5	84	.16	1	0.3	0.3	19	SEC L
		28	748	16.97	19	19.81	155	6.87	6.95	1.8	1.9	1.7	43	6	115	.12	5	0.4	0.6	38	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	MIN SEC	ERH DIS	ERZ KM	NO KM	FM	RMK
1989	SEP	28	753	15.65	19	25.85	155	15.75	7.58	2.3		1.6	20	3	148	.13	3	0.8	0.7	18	INT L
		28	1033	37.94	19	24.84	155	16.77	2.64	2.4	2.6	1.6	19	4	92	.13	0	0.4	0.2	16	SNC L
		28	11 5	34.16	19	20.11	155	8.40	7.15	1.9	1.5	1.5	29	4	79	.10	4	0.5	0.8	25	SF4
		28	1111	11.25	19	20.11	155	8.65	6.69	2.1		2.0	39	6	74	.11	4	0.4	0.8	34	SF4
		28	1531	20.16	19	23.36	155	20.94	3.76	1.8	2.1	1.4	10	1	195	.11	2	1.0	0.9	1	KAO L
		28	23 2	19.58	19	24.46	155	18.71	8.38	2.3		1.5	19	3	77	.13	2	0.7	1.0	18	INT L
		28	23 6	15.92	19	23.64	155	17.23	9.32	2.2		1.5	19	3	57	.11	1	0.6	0.8	16	INT L
		28	2343	55.07	19	19.27	154	59.19	37.27	2.6	2.8	2.2	57	7	209	.11	7	1.0	0.5	51	LER
		29	217	39.67	19	19.96	155	7.27	7.62	1.6	1.7	1.7	52	11	104	.10	5	0.3	0.4	45	SF4
		29	235	2.18	19	25.41	155	16.28	8.48	2.1	2.6	1.3	19	4	120	.11	2	0.8	0.4	17	INT L
		29	338	25.08	19	24.05	155	17.95	8.63	1.7	1.9	1.1	20	4	50	.12	2	0.7	0.8	17	INT L
		29	850	56.25	19	25.61	155	15.53	7.33	2.3		1.8	27	2	89	.16	3	0.5	0.5	26	INT L
		29	1138	45.46	19	30.43	155	17.21	3.53	2.0	1.5	1.5	11	1	277	.15	5	2.0	1.2	0	GLN L
		29	15 1	12.58	19	26.57	155	14.86	8.25	2.3	2.3	1.4	13	1	219	.20	4	1.6	1.3	1	INT L
		29	15 2	59.62	19	26.64	155	15.12	13.26	2.4	1.6	1.5	13	3	211	.14	3	1.9	1.0	1	DEP L
		29	20 4	10.62	19	26.87	155	14.90	10.39	2.5		1.8	16	8	219	.12	4	1.1	1.0	8	INT L
		29	2023	26.05	19	25.78	155	17.09	12.79	2.1	1.8	1.5	15	8	123	.14	2	1.6	1.0	7	INT L
		29	21 9	43.85	19	25.93	155	15.87	10.42	2.1	1.6	1.4	16	8	152	.10	3	0.9	0.8	8	INT L
		29	2125	3.54	19	46.86	155	29.41	17.13	0.9	1.4	1.7	27	6	114	.12	3	0.5	0.8	21	KEA
		29	2152	3.18	19	26.19	155	17.34	7.83	2.1	1.9	1.3	14	6	97	.11	2	0.7	1.2	10	INT L
		29	23 2	59.75	19	28.28	155	15.00	8.19	2.0	1.3	1.3	17	9	269	.14	3	0.8	1.5	8	GLN L
		30	043	24.62	19	26.44	155	15.71	11.10	2.3	1.9	1.6	13	6	177	.12	3	1.4	0.9	8	INT L
		30	4 5	19.63	19	22.19	155	2.50	7.40	1.7	1.4	1.7	40	6	135	.15	4	0.5	0.4	36	SF5
		30	450	27.86	19	22.92	155	18.24	11.53	2.4	2.6	1.7	17	7	197	.13	2	1.6	0.7	13	INT L
		30	717	2.28	19	26.84	155	16.08	8.97	2.1	1.7	1.5	19	9	173	.14	2	1.0	0.7	11	INT L
		30	846	23.81	19	26.67	155	15.36	7.62	2.0	1.5	1.4	14	7	200	.11	3	0.7	1.1	8	INT L
		30	1011	27.09	19	25.98	155	16.53	10.86	2.2	1.9	1.5	21	10	126	.11	2	1.0	0.7	12	INT L
		30	1113	26.82	19	26.35	155	16.95	7.56	2.1	1.9	1.5	17	6	114	.09	2	0.8	1.0	12	INT L
		30	1154	47.99	19	20.54	155	5.78	7.28	2.1	1.7	2.0	37	8	110	.16	5	0.4	0.5	33	SF4
		30	1223	49.88	19	25.34	155	15.65	12.08	2.1		1.4	14	5	139	.12	2	1.4	1.0	10	INT L
		30	1237	49.14	19	16.75	155	25.76	7.75	2.1	1.9	1.8	27	2	72	.12	5	0.4	0.7	29	LSW
		30	1557	59.71	19	26.27	155	15.39	9.74	2.1	1.6	1.3	13	6	185	.10	3	0.8	1.1	7	INT L
		30	1646	54.36	19	25.70	155	17.16	6.28	2.4		1.8	15	6	98	.10	1	0.7	0.8	11	INT L
		30	1752	15.94	19	25.93	155	14.03	12.78	2.4	1.9	1.5	18	8	218	.12	2	1.3	0.7	11	INT L
		30	1852	59.63	19	26.75	155	13.67	11.86	2.3	2.0	1.4	13	5	242	.07	4	1.5	0.7	9	GLN L
		30	1956	14.71	19	26.91	155	15.35	12.91	2.1	2.1	1.4	13	5	208	.11	3	1.9	1.1	10	INT L
		30	2341	9.70	19	25.27	155	15.57	11.79	2.6	2.1	1.8	14	6	138	.13	2	1.3	0.7	9	INT L
		30	2346	33.53	19	26.27	155	15.60	10.54	2.2	2.0	1.6	16	9	177	.12	3	0.9	1.0	8	INT L
OCT		1	1 6	14.85	19	27.00	155	14.07	10.57	2.4	2.3	1.7	15	8	240	.10	4	1.0	1.0	9	INT L
		1	353	1.54	19	27.52	155	18.13	8.09	2.1		1.7	5	1	167	.03	3	2.7	8.1	1	INT L
		1	634	35.41	19	24.60	155	18.92	13.77	2.6		1.5	9	1	132	.05	2	1.5	2.0	0	DEP L
		1	728	22.49	19	26.73	155	15.89	8.10	2.4	2.9	1.6	20	5	108	.11	2	0.7	0.8	5	INT L
		1	737	45.53	19	23.04	155	14.87	5.81	1.6	1.7	1.0	8	1	220	.10	2	0.9	1.7	2	INT L
		1	850	36.96	19	23.63	155	19.09	4.87	2.2	3.0	1.5	18	2	87	.13	1	0.6	0.9	2	KAO L
		1	950	22.59	19	9.48	155	36.29	7.95	2.3	2.3	2.0	29	2	125	.14	10	0.4	0.9	12	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	OCT	1	10 3	55.24	19	22.51	155	19.45	9.40	2.2	2.3	1.4	13	4	156	.15	2	0.9	1.9	0	KAO	L
		1	1152	7.72	19	24.64	155	17.07	6.63	2.4	2.7	1.8	13	2	105	.12	0	0.8	1.0	1	INT	L
		1	1339	2.43	19	20.36	155	18.88	11.04	2.2	2.2	1.3	9	2	248	.11	3	2.0	3.4	0	SWR	L
		1	1518	58.05	19	23.99	155	17.68	3.13	1.5	2.2	1.1	10	0	129	.16	2	0.8	0.7	1	SSC	L
		1	1525	17.73	19	24.40	155	16.11	15.43	2.0	1.9	1.4	8	1	89	.05	1	3.0	1.2	1	DEP	L
		1	1527	0.43	19	44.99	155	47.46	24.87	2.2	2.4	2.0	26	4	172	.13	18	0.9	1.4	16	HUA	
		1	1712	42.08	19	23.06	155	16.48	10.36	2.5	2.7	1.7	14	4	85	.26	1	1.4	1.1	1	INT	L
		1	1723	59.84	19	26.88	155	17.12	10.42	2.1	2.8	1.4	10	0	105	.12	2	1.9	4.1	2	INT	L
		1	1754	0.23	19	25.02	155	16.51	8.58	2.0	2.1	1.3	11	0	102	.10	1	1.4	2.3	1	INT	L
		1	1851	59.15	19	25.91	155	14.10	12.49	2.0	2.0	1.3	10	3	243	.20	2	2.3	1.2	0	INT	L
		1	1953	55.11	19	27.12	155	15.36	0.19	1.4	1.6	1.3	17	2	224	.16	5	0.4	0.9	15	SNC	L
		1	2041	40.16	19	24.08	155	17.54	6.52	2.5	3.4	1.9	23	3	43	.14	2	0.4	0.5	22	INT	L
		1	2150	31.88	19	23.99	155	17.42	4.03	1.9	2.4	1.2	17	1	53	.19	1	0.6	0.6	17	SSC	L
		1	2238	12.34	19	24.22	155	18.00	7.36	1.6	2.0	1.0	15	1	53	.13	2	0.7	1.2	15	INT	L
		1	2319	54.98	19	23.75	155	17.16	6.17	1.7	2.1	1.1	15	1	64	.13	1	0.6	1.0	16	INT	L
		2	0 8	43.45	19	24.40	155	17.54	7.06	1.6		1.0	16	1	67	.13	1	0.6	0.9	16	INT	L
		2	042	20.69	19	19.23	155	13.31	6.77	1.4	1.8	1.5	43	3	75	.16	4	0.4	0.7	40	SF2	
		2	113	53.69	19	24.42	155	17.43	8.57	2.6	2.7	1.8	16	2	48	.07	1	0.8	0.8	16	INT	L
		2	123	26.73	19	27.47	155	16.53	13.19	2.1	2.1	1.5	17	3	154	.15	1	1.7	1.0	0	DEP	L
		2	126	17.72	19	28.08	155	36.76	14.74	2.6	3.7	1.3	18	0	176	.12	2	1.1	0.7	21	DML	L
		2	244	33.05	19	24.16	155	17.43	6.98	2.2	2.9	1.6	19	3	70	.15	2	0.6	0.8	5	INT	L
		2	252	25.12	19	26.14	155	16.09	8.26	1.8	1.6	1.2	11	1	149	.09	3	0.9	1.1	1	INT	L
		2	423	14.38	19	26.04	155	14.17	8.14	2.0	2.0	1.2	12	4	216	.12	3	1.1	1.5	4	INT	L
		2	450	31.30	19	19.85	155	8.75	7.83		1.4	1.5	40	8	75	.10	5	0.4	0.5	33	SF4	
		2	5 5	15.33	19	22.25	155	30.01	9.90	2.3	2.4	2.2	51	6	33	.10	4	0.3	0.5	39	KAO	
		2	611	45.65	19	27.10	155	14.62	0.07	2.1		1.8	11	4	232	.10	4	1.0	0.9	0	SNC	L
		2	620	6.06	19	31.95	155	17.22	11.01	2.1		1.5	8	1	299	.07	8	2.2	2.3	0	GLN	L
		2	646	45.65	19	27.07	155	28.61	9.76	1.9	1.4	1.5	30	4	46	.10	7	0.4	0.8	21	KAO	
		2	839	26.13	19	27.13	155	15.56	8.71	2.2	2.9	1.7	18	4	191	.13	2	0.7	0.8	1	INT	L
		2	847	32.35	19	19.60	155	29.15	11.11	1.7	1.6	1.5	30	2	46	.10	6	0.4	0.5	15	KAO	
		2	937	42.74	19	25.26	155	15.31	2.50	1.8	2.6	1.6	8	0	163	.04	3	1.2	0.5	4	SNC	L
		2	10 9	33.10	19	20.19	155	11.05	8.31	1.5	1.2	1.3	36	7	82	.11	4	0.4	0.5	29	SF3	
		2	1030	9.58	19	23.61	155	18.32	8.36	1.8	1.5	1.0	17	3	52	.11	2	0.6	1.0	15	INT	L
		2	11 5	35.99	19	24.47	155	17.07	6.20	2.1	2.7	1.5	23	3	52	.14	1	0.4	0.5	21	INT	L
		2	11 7	17.80	19	24.93	155	15.79	8.93	2.0	2.2	1.5	19	2	116	.10	2	0.7	0.5	17	INT	L
		2	1331	43.75	19	24.28	155	17.02	10.35	1.9	1.7	1.1	20	5	109	.14	1	0.9	0.7	16	INT	L
		2	1436	13.09	19	24.51	155	17.45	10.51	2.5	2.8	1.6	20	4	61	.11	1	0.7	0.4	16	INT	L
		2	1521	8.33	19	24.28	155	18.03	9.16	2.1	2.7	1.4	20	4	56	.10	2	0.8	0.9	16	INT	L
		2	1525	17.94	19	24.23	155	17.37	7.26	2.1	2.1	1.3	19	3	79	.13	1	0.7	0.7	17	INT	L
		2	1545	14.76	19	27.35	155	27.09	9.21	1.8	1.4	1.5	36	5	42	.10	5	0.3	0.6	31	KAO	
		2	1613	51.65	19	25.67	155	14.09	8.03	2.1	2.3	1.3	16	3	257	.17	5	1.6	0.9	15	INT	L
		2	1644	8.55	19	24.41	155	17.45	10.87	2.0	1.9	1.1	21	6	82	.10	1	1.1	0.8	15	INT	L
		2	1714	19.53	19	25.72	155	17.81	13.86	2.2		1.5	17	2	88	.13	1	1.0	0.9	16	DEP	L
		2	1739	3.90	19	20.05	155	6.60	7.92	1.6	1.7	1.8	43	6	114	.11	6	0.3	0.4	40	SF4	L
		2	19 8	5.59	19	25.04	155	16.55	12.07	2.3	2.8	1.6	20	4	68	.13	1	0.7	0.6	17	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	OCT	2	1914	14.96	19	25.42	155	17.04	10.58	2.1	2.3	1.4	20	4	108	.13	1	0.9	0.6	15	INT	L
		2	20 5	20.85	19	24.57	155	3.47	4.86	1.7	1.7	1.4	24	2	91	.10	1	0.4	0.4	25	SME	
		2	2036	50.10	19	22.60	155	20.39	7.52	2.1	2.7	1.3	16	4	110	.13	2	0.7	1.8	13	KAO	L
		2	21 1	51.30	19	20.54	155	8.54	8.47	2.2	2.8	2.3	52	7	74	.13	4	0.3	0.4	46	SF4	
		2	2149	41.23	19	22.79	155	16.82	8.48	2.4	2.8	1.6	16	3	78	.12	1	0.6	0.9	16	INT	L
		2	23 6	36.35	19	23.62	155	18.38	7.34	2.1	2.7	1.5	15	3	51	.12	3	1.2	1.7	15	INT	L
		2	2352	7.19	19	22.46	155	29.81	9.98	1.3	2.0	2.0	44	4	37	.13	4	0.4	0.4	40	KAO	
		3	047	36.94	19	25.51	155	15.98	6.99	2.4		1.7	23	5	122	.15	2	0.6	0.6	18	INT	L
		3	056	46.03	19	24.88	155	15.51	11.22	1.8	1.9	1.2	16	3	249	.11	3	1.6	0.7	13	INT	L
		3	113	33.36	19	26.36	155	15.81	6.16	2.1	2.2	1.5	14	3	246	.12	3	1.5	0.5	13	INT	L
		3	120	22.77	19	25.99	155	15.55	11.30	1.8	1.6	1.2	14	4	257	.04	4	1.6	0.6	7	INT	L
		3	154	10.19	19	25.09	155	17.87	10.01	1.8	1.6	1.0	12	4	86	.09	1	1.7	0.8	5	INT	L
		3	213	40.45	19	26.74	155	19.53	7.42	2.2	2.7	1.5	12	3	176	.09	3	1.0	1.4	1	KAO	L
		3	240	21.00	19	27.66	155	14.56	11.84	2.1		1.1	9	2	297	.13	7	2.7	1.5	0	INT	L
		3	240	50.78	19	29.72	155	56.73	9.68	1.3	2.3	2.1	27	6	233	.16	3	0.9	0.6	16	KON	
		3	354	26.47	19	10.59	155	42.24	0.01	2.1	1.4	1.6	17	2	131	.14	20	1.2	0.5	12	LSW	*
		3	357	51.12	19	26.38	155	15.75	9.45	2.1	2.4	1.4	11	5	221	.12	4	3.1	0.9	1	INT	L
		3	426	54.19	19	24.99	155	15.97	11.91	2.4	3.1	1.4	16	4	233	.07	2	1.4	0.6	1	INT	L
		3	432	38.65	19	23.45	155	17.16	8.35	2.2	2.6	1.6	11	1	70	.10	0	1.7	2.4	1	INT	L
		3	5 4	47.96	19	25.12	155	16.57	11.57	2.1	2.4	1.3	13	4	223	.09	1	2.2	1.0	6	INT	L
		3	6 5	8.08	19	28.58	155	26.25	7.16	2.0	1.2	1.2	25	4	69	.14	6	0.4	0.9	16	KAO	
		3	625	50.90	19	25.20	155	15.76	10.74	1.8	1.7	1.1	13	3	201	.09	3	1.3	1.0	4	INT	L
		3	741	28.45	19	26.00	155	19.00	11.62	2.3	2.9	1.6	14	5	119	.10	3	1.4	0.9	1	INT	L
		3	838	49.14	19	25.50	155	18.47	13.14	2.0	2.1	1.2	15	4	103	.12	2	1.3	0.7	2	DEP	L
		3	859	12.64	19	20.16	155	10.92	6.47	1.9	2.0	1.8	30	3	83	.13	4	0.5	1.0	21	SF3	
		3	9 0	50.11	19	20.23	155	10.99	7.48	1.8	1.5	1.7	39	4	82	.11	4	0.4	0.7	30	SF3	
		3	925	54.67	19	26.25	155	15.29	12.57	2.0	2.3	1.2	16	4	189	.11	3	1.2	0.7	2	INT	L
		3	10 5	21.79	19	25.90	155	18.46	13.87	2.4	3.2	1.6	15	4	127	.20	2	1.5	0.9	3	DEP	L
		3	10 9	22.33	19	25.85	155	16.95	5.73	2.1	2.4	1.5	9	0	157	.10	1	1.1	1.3	5	INT	L
		3	1122	12.28	19	22.69	155	21.13	15.46	2.1	1.8	1.3	10	2	271	.13	3	3.5	2.3	1	DML	L
		3	1220	21.34	19	21.92	155	19.01	7.69	2.1	2.0	1.2	13	3	93	.10	4	0.8	2.0	14	SWR	L
		3	1242	21.74	19	23.57	155	18.10	8.67	2.3	2.8	1.5	19	3	50	.16	2	0.7	1.1	17	INT	L
		3	1331	22.30	19	24.80	155	16.12	13.60	1.9	1.6	1.0	17	4	102	.13	2	1.1	0.7	13	DEP	L
		3	1352	37.60	19	23.72	155	18.82	5.90	2.1	2.8	1.5	19	3	53	.11	3	0.5	1.0	17	INT	L
		3	1418	47.49	19	10.32	155	22.12	34.15	2.0	1.9	1.8	42	0	174	.10	8	0.8	1.5	43	DEP	
		3	1531	15.54	19	24.86	155	17.24	9.82	2.3	2.8	1.5	18	2	69	.13	0	0.7	0.7	17	INT	L
		3	1743	37.72	19	25.88	155	16.23	7.42	2.4		1.5	20	3	134	.14	2	0.8	0.7	17	INT	L
		3	1826	26.34	19	26.36	155	18.97	7.95	2.4	1.7	1.3	34	9	77	.11	3	0.4	0.4	28	INT	
		3	19 4	32.21	19	24.65	155	15.92	8.42	1.8	1.7	1.1	14	3	100	.11	3	0.9	0.6	13	INT	L
		3	1947	54.97	19	20.83	155	11.58	9.17	1.4	1.2	1.3	33	4	71	.11	4	0.4	0.4	32	SF3	
		3	2035	32.09	19	24.93	155	15.93	5.14	2.1		1.5	16	2	112	.12	2	0.6	0.8	16	INT	L
		3	2251	7.11	19	24.20	155	18.15	7.39	2.1	2.9	1.4	20	3	56	.20	2	0.7	1.0	17	INT	L
		4	0 3	0.65	19	24.13	155	17.02	7.06	2.0	2.7	1.4	18	3	72	.17	1	0.8	0.9	16	INT	L
		4	123	20.13	19	22.17	155	4.37	8.00	1.7	1.2	1.6	37	5	88	.16	4	0.5	0.3	35	SF5	
		4	155	43.21	19	23.08	155	19.01	14.89	2.3	2.4	1.3	13	2	162	.12	2	1.9	1.1	1	DEP	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	4	238	24.76	19	24.56	155	19.93	12.02	2.3	2.3	1.2	11	4	284	.10	4	3.1	1.1	1	KAO L
		4	240	46.12	19	28.06	155	16.78	15.31	2.1	2.2	1.4	11	3	242	.12	1	1.9	1.0	0	DEP L
		4	349	40.80	19	25.70	155	16.24	11.57	2.1	2.0	1.2	18	4	130	.13	2	1.3	0.6	1	INT L
		4	457	43.70	19	20.87	155	5.93	8.94	2.2		1.7	32	2	101	.08	5	0.4	0.5	26	SF4 L
		4	556	12.07	19	24.28	155	16.60	7.40	1.7	1.8	1.0	15	0	81	.16	1	1.1	1.8	3	INT L
		4	656	40.26	19	25.14	155	15.04	6.23	2.2		1.6	23	3	88	.14	2	0.6	0.6	23	INT L
		4	713	50.54	19	25.38	155	13.49	2.08	1.9	2.5	1.4	11	3	278	.12	2	0.8	0.4	1	SER L
		4	734	20.53	19	25.30	155	17.24	4.16	1.6	2.2	1.4	8	0	90	.05	4	0.6	1.8	0	SNC L
		4	8	8 48.98	19	26.52	155	18.37	9.78	2.2	2.7	1.5	15	3	207	.14	2	1.1	0.7	1	INT L
		4	946	35.67	19	25.86	155	15.49	9.99	2.4	3.0	1.1	17	5	167	.12	3	1.2	0.6	1	INT L
		4	1113	45.02	19	25.74	155	16.38	4.20	2.1	2.7	1.1	8	0	125	.10	2	0.7	0.9	1	SNC L
		4	1129	31.84	19	18.28	155	26.48	10.34	1.9	2.0	1.7	33	2	54	.13	7	0.4	0.8	21	LSW
		4	1154	46.29	19	24.97	155	16.52	1.42	1.2	1.9	1.3	7	0	129	.08	2	0.4	0.6	1	SNC L
		4	1325	40.69	19	21.05	155	17.22	17.15	2.4	2.6	1.3	14	1	123	.19	2	1.8	2.8	0	DEP L
		4	1357	9.92	19	26.08	155	15.29	11.79	1.8	1.8	1.2	13	4	200	.10	4	1.6	0.9	3	INT L
		4	14	8 23.37	19	23.92	155	16.64	11.71	1.9	1.7	1.1	12	6	138	.22	0	3.2	1.3	1	INT L
		4	1433	4.30	19	22.09	155	17.76	6.72	1.8		1.1	10	3	183	.11	3	0.8	2.0	3	INT L
		4	1446	19.32	19	22.38	155	18.36	8.23	2.0	2.1	1.3	10	2	228	.11	3	1.1	1.5	2	INT L
		4	1514	10.41	19	21.13	155	18.27	10.45	2.0	1.7	1.1	7	1	219	.12	5	2.2	4.1	1	SWR L
		4	1536	51.41	19	25.99	155	15.79	5.50	2.0	2.5	1.3	11	4	168	.10	3	1.3	2.5	3	INT L
		4	1616	26.88	19	26.18	155	18.05	10.13	2.0	2.1	1.3	16	4	98	.19	2	1.8	0.8	4	INT L
		4	1633	33.47	19	25.68	155	18.01	11.62	1.9		1.1	13	3	89	.14	1	1.6	1.3	3	INT L
		4	1641	23.94	19	24.45	155	17.58	4.77	2.0	2.5	0.9	9	0	85	.07	2	0.5	1.0	1	SSC L
		4	1653	1.88	19	25.37	155	15.57	13.94	2.2	2.2	1.3	16	3	143	.12	3	1.4	0.9	1	DEP L
		4	17	0 34.09	19	24.41	155	16.99	10.62	1.9	1.6	1.0	18	5	138	.16	1	1.3	1.0	13	INT L
		4	17	8 31.35	19	26.44	155	15.93	9.94	1.9	2.0	1.3	20	4	166	.16	3	1.1	0.7	17	INT L
		4	1716	48.51	19	25.55	155	17.21	10.97	1.9	1.8	1.2	20	4	95	.13	1	0.9	0.6	17	INT L
		4	1743	24.38	19	24.61	155	16.28	12.10	1.9	1.8	1.2	20	3	93	.12	1	0.9	0.7	17	INT L
		4	1756	54.21	19	25.72	155	17.20	10.11	1.8	1.9	1.2	17	4	98	.11	1	1.0	0.6	13	INT L
		4	1831	32.04	19	25.28	155	16.09	9.04	1.8	1.9	1.2	17	3	121	.08	2	0.8	0.5	16	INT L
		4	1936	56.64	19	25.18	155	16.87	6.98	2.0	2.5	1.5	16	1	98	.14	1	0.6	0.6	17	INT L
		4	20	5 53.12	19	24.40	155	16.37	9.13	1.8	1.9	1.1	15	3	130	.12	1	1.0	1.0	13	INT L
		4	2111	21.42	19	24.77	155	18.62	13.14	2.1	2.3	1.1	20	4	65	.16	2	1.0	1.1	16	DEP L
		4	2114	35.70	19	38.15	156	3.66	8.03	2.4	1.6	1.6	22	5	282	.19	22	1.0	1.1	19	KON
		4	22	2 12.76	19	23.57	155	16.08	11.84	1.8	1.6	1.1	16	4	146	.13	1	1.0	0.9	13	INT L
		4	2234	42.41	19	24.26	155	17.25	7.44	2.1	2.2	1.5	19	4	61	.16	1	0.7	0.8	17	INT L
		4	2334	34.00	19	25.66	155	15.80	8.95	1.8	1.7	1.0	17	3	161	.13	3	1.0	0.7	14	INT L
		5	1	7 52.38	19	27.38	155	14.79	1.31	1.6	1.9	1.0	15	2	234	.10	5	0.5	1.2	14	SNC L
		5	152	56.93	19	23.69	155	18.32	8.02	2.2	2.4	1.5	19	2	51	.13	2	0.6	1.0	17	INT L
		5	358	7.43	19	23.44	155	17.76	5.48	2.0	2.3	1.3	17	2	54	.15	1	0.5	1.0	18	INT L
		5	526	30.54	19	22.18	155	30.16	9.34	1.7	1.2	1.4	43	6	43	.11	4	0.3	0.4	39	KAO
		5	840	22.10	19	24.61	155	17.49	10.47	2.0	1.6	1.3	20	4	44	.14	1	0.7	0.8	16	INT L
		5	1042	17.00	19	25.27	155	16.58	8.29	2.1	2.8	1.5	22	3	107	.12	1	0.8	0.5	19	INT L
		5	1121	36.28	19	23.81	155	18.66	9.54	2.3	3.0	1.5	18	5	69	.13	2	0.7	1.1	4	INT L
		5	1343	54.55	19	23.49	155	15.58	0.25	1.4	1.6	1.0	9	2	87	.11	2	0.3	0.5	2	SEC L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	5	1518	2.10	19	24.25	155	18.51	8.02	1.6	1.7	1.0	7	2	85	.11	2	1.0	1.2	0	INT L
		5	1610	18.27	19	23.97	155	17.08	15.18	2.4	2.3	2.0	59	13	53	.10	1	0.4	0.2	40	DEP
		5	1710	14.41	19	25.19	155	15.72	8.08	2.1	2.0	1.4	14	1	130	.09	2	0.8	0.9	1	INT L
		5	1847	3.40	19	23.94	155	19.80	1.00	1.6	2.1	1.3	5	1	246	.06	5	0.6	1.4	1	KAO L
		5	2011	54.84	19	28.63	155	9.31	5.16	1.9	1.5	1.3	11	2	280	.19	11	2.0	18.1	1	GLN L*
		5	22	3 35.00	19	23.36	155	18.10	5.61	1.4	1.9	1.1	14	2	57	.14	2	0.6	1.2	15	INT L
		5	2352	49.74	19	25.61	155	16.15	9.49	2.1	2.6	1.5	19	3	130	.15	2	0.9	0.6	18	INT L
		6	033	32.60	19	24.07	155	17.48	7.03	1.9	1.7	1.3	20	5	50	.11	2	0.6	0.7	17	INT L
		6	057	11.21	19	23.52	155	16.78	10.41	1.9	1.5	0.9	16	6	120	.11	0	1.1	0.6	11	INT L
		6	1	8 41.00	19	25.62	155	15.15	3.40	1.6	2.1	1.2	15	2	173	.13	2	0.5	0.5	16	SNC L
		6	128	28.13	19	22.28	155	2.46	8.25	1.4	1.4	1.7	42	5	136	.12	4	0.5	0.3	42	SF5
		6	227	1.85	19	24.20	155	17.99	10.94	1.8	1.6	1.2	16	3	83	.19	2	0.9	1.4	13	INT L
		6	340	54.10	19	22.88	155	30.27	11.12		1.3	1.4	42	5	47	.11	5	0.4	0.4	39	KAO
		6	349	17.01	19	22.88	155	30.19	10.26		1.3	1.4	40	4	36	.11	5	0.4	0.5	38	KAO
		6	4	4 45.66	19	22.81	155	30.38	11.20	1.7	1.6	1.6	42	1	36	.10	5	0.4	0.5	43	KAO
		6	422	21.93	19	27.99	155	12.19	19.86	2.2	2.0	1.3	11	1	304	.05	7	2.6	1.3	3	DEP L
		6	537	13.66	19	25.34	155	15.72	6.33	1.8	1.5	1.3	8	0	136	.03	3	1.0	2.0	0	INT L
		6	629	22.37	19	55.05	155	37.06	15.36		1.3	1.4	9	1	185	.05	8	1.1	0.6	1	KOH
		6	733	4.83	19	19.91	155	10.73	6.67	1.5	1.3	1.5	33	2	88	.12	4	0.5	1.0	23	SF3
		6	735	57.04	19	25.24	155	16.71	11.37	2.4		1.5	12	4	78	.15	1	1.0	1.2	2	INT L
		6	752	1.00	19	28.13	155	14.90	1.20	1.8	2.1	1.5	6	1	219	.10	3	0.9	0.9	0	GLN L
		6	8	1 47.78	19	23.95	155	17.67	11.47	1.9	1.8	1.3	13	4	131	.07	2	1.2	0.8	3	INT L
		6	8	7 12.62	19	25.12	155	16.92	11.71	2.1		1.1	13	3	96	.14	1	1.2	2.4	5	INT L
		6	8	7 46.27	19	26.35	155	16.69	8.43	2.1	2.4	1.5	13	0	123	.10	2	0.8	1.3	2	INT L
		6	829	23.43	19	21.83	155	9.65	10.81	2.2	2.0	1.4	10	2	311	.14	1	2.8	1.2	1	SF3 L
		6	839	14.30	19	25.59	155	16.15	11.06	2.0	1.9	1.3	17	5	129	.12	2	1.2	0.6	3	INT L
		6	854	24.94	19	24.42	155	16.57	11.72	2.0	2.0	1.3	14	4	127	.10	1	1.8	0.9	5	INT L
		6	9	6 51.88	19	24.42	155	18.50	9.31	1.9	1.7	1.2	17	5	89	.13	2	0.9	0.8	5	INT L
		6	925	35.32	19	24.11	155	18.40	11.89	1.9	1.8	1.2	17	5	86	.12	2	1.5	0.6	2	INT L
		6	945	39.87	19	25.77	155	16.93	7.69	1.6	1.5	1.1	11	2	126	.08	1	0.8	1.0	2	INT L
		6	1026	49.08	19	12.02	155	27.68	7.80	2.4	2.8	2.4	40	1	111	.16	5	0.5	1.1	32	LSW
		6	1047	45.46	19	23.09	155	15.21	0.03	2.0	1.9	1.4	6	0	121	.16	2	0.5	1.4	3	SEC L*
		6	1233	52.34	19	27.61	154	54.14	5.33	2.4	2.5	2.2	44	3	135	.13	2	0.4	0.6	24	LER
		6	1418	39.73	19	26.29	155	13.96	4.87	2.1	2.5	1.3	9	0	245	.10	6	2.3	3.8	0	GLN L
		6	18	6 20.63	19	24.59	155	17.66	8.46	2.1	2.1	1.5	14	4	86	.11	1	0.9	0.9	12	INT L
		6	1850	54.81	19	25.22	155	17.87	8.17	1.7	1.9	1.1	15	5	154	.12	1	1.0	0.6	11	INT L
		6	2342	38.34	19	24.70	155	16.52	11.19	1.8	2.0	1.2	15	4	92	.10	1	1.1	0.6	11	INT L
		7	126	6.34	19	24.28	155	17.51	13.38	2.3	2.5	1.5	13	4	84	.11	1	1.3	0.7	12	DEP L
		7	138	57.60	19	25.17	155	17.56	8.00	1.9	2.1	1.4	13	2	82	.15	0	1.0	1.3	11	INT L
		7	2	7 36.38	19	24.56	155	12.63	9.29	2.2	2.5	1.5	11	4	275	.07	3	1.4	1.8	11	SF2 L
		7	423	39.24	19	46.11	155	46.85	24.57	2.7	2.4	2.1	44	6	206	.12	16	0.7	1.2	42	HUA
		7	514	40.91	19	23.31	155	17.43	10.33	2.5		1.7	19	5	57	.14	1	0.7	1.1	14	INT L
		7	538	26.02	19	26.00	155	16.19	11.13	1.6		1.0	19	7	140	.09	2	1.4	0.6	10	INT L
		7	554	39.45	19	19.80	155	16.58	33.29	1.8	1.7	1.6	42	5	94	.11	2	0.7	0.9	37	DEP
		7	735	47.49	19	25.09	155	16.92	14.17	1.9	1.8	1.2	13	4	95	.08	0	1.4	0.8	9	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	7	10 6	15.01	19	24.35	155	18.53	9.88	2.3		1.6	18	6	140	.20	3	1.5	0.9	13	INT L
		7	1314	11.75	19	25.69	155	17.29	11.46	2.1	2.7	1.4	14	4	168	.14	1	1.8	0.8	11	INT L
		7	1637	58.11	19	26.21	155	16.74	11.22	2.2	2.4	1.4	13	3	122	.09	2	1.3	1.0	11	INT L
		7	1658	38.39	19	25.22	155	17.04	12.18	2.0	2.0	1.3	12	3	156	.09	1	1.6	1.0	10	INT L
		7	1742	13.87	19	24.74	155	17.73	13.94	2.5		1.7	17	5	73	.13	1	1.4	0.9	13	DEP L
		7	19 7	49.86	19	12.37	155	27.45	3.90	2.1	1.8	1.6	28	3	114	.14	5	0.5	2.4	25	LSW
		7	1925	5.38	19	25.00	155	17.23	11.62	1.8	1.8	1.1	14	3	86	.07	1	0.7	1.0	11	INT L
		7	1926	8.79	19	22.57	155	25.79	10.43	1.5	1.2	1.2	32	5	41	.11	3	0.4	0.6	25	KAO
		7	1953	19.46	19	18.63	155	12.73	8.42		1.2	1.2	23	4	99	.07	3	0.5	0.8	21	SF2
		7	2010	11.26	19	24.43	155	16.93	12.29	2.2		1.4	15	4	81	.09	1	1.0	1.0	12	INT L
		7	2022	40.02	19	24.67	155	16.05	9.33	1.8	2.0	1.1	12	4	136	.09	3	0.9	0.7	9	INT L
		7	2043	54.54	19	25.39	155	14.64	6.93	1.6	1.5	1.1	14	6	190	.15	5	0.8	1.4	9	INT L
		7	2138	49.47	19	25.11	155	16.45	12.40	2.0	2.3	1.3	12	1	106	.04	1	0.9	1.6	12	INT L
		7	23 5	55.72	19	25.83	155	16.65	11.57	1.8	1.8	1.0	16	5	182	.15	2	1.9	0.9	11	INT L
		8	014	9.75	19	25.99	155	17.80	15.25	2.1	2.3	1.3	13	3	89	.10	1	1.8	0.9	11	DEP L
		8	120	34.05	19	18.71	155	12.71	8.51	1.5	1.4	1.3	24	4	98	.07	3	0.5	0.9	22	SF2
		8	122	58.51	19	25.28	155	17.32	7.35	2.1	2.9	1.1	14	1	89	.12	1	0.8	1.5	2	INT L
		8	5 4	7.41	19	25.30	155	19.60	5.44	2.2	2.0	1.5	35	5	42	.12	3	0.3	0.7	22	KAO L
		8	510	36.24	19	25.31	155	17.17	11.05	2.0	2.1	1.3	14	4	93	.11	1	1.2	0.6	11	INT L
		8	642	30.24	19	17.43	155	14.16	7.36	1.5	1.5	1.4	24	2	140	.10	1	0.5	0.9	13	SF2
		8	717	24.99	19	23.97	155	16.69	5.68	1.6	2.1	1.2	7	0	102	.12	1	1.0	2.4	0	INT L
		8	10 8	23.52	19	25.76	155	16.65	9.28	2.0		1.5	16	3	116	.10	2	0.9	1.1	8	INT L
		8	1021	31.39	19	25.40	155	4.63	12.23		2.2	1.3	8	2	144	.09	2	1.9	1.8	7	SF5
		8	1139	16.94	19	24.88	155	30.21	10.79	2.0	1.2	1.3	31	3	43	.09	6	0.4	0.7	21	KAO
		8	1149	51.94	19	25.25	155	15.52	11.44	2.3	2.7	1.4	17	4	140	.09	2	1.2	0.6	1	INT L
		8	13 7	0.42	19	24.09	155	26.30	9.62	1.9	1.7	1.5	37	2	28	.11	3	0.3	0.5	21	KAO
		8	1344	42.49	19	25.32	155	17.11	10.43	2.1	2.5	1.5	13	3	94	.11	1	1.2	0.8	11	INT L
		8	1538	25.40	19	23.69	155	16.97	2.61	1.7		1.2	12	4	84	.09	1	0.4	0.5	8	SSC
		8	1856	35.94	19	26.15	155	19.47	4.15	1.6	1.5	1.2	20	3	144	.10	3	0.4	0.7	15	KAO
		8	19 8	39.77	19	24.48	155	16.73	6.16	1.9	2.7	1.3	13	2	84	.12	1	0.8	1.0	12	INT L
		8	2220	28.72	19	25.09	155	17.07	9.76	1.8	2.3	1.2	15	3	91	.10	0	1.1	1.1	10	INT L
		8	2348	51.49	19	26.13	155	15.96	11.67	2.1	2.8	1.5	15	6	155	.10	3	1.5	0.9	12	INT L
		9	014	17.90	19	23.71	155	26.63	10.35	2.2	2.3	2.0	35	5	36	.11	3	0.4	0.7	32	KAO
		9	049	23.70	19	25.90	155	6.35	2.68		1.8	1.3	6	2	177	.06	5	1.4	2.6	5	SME
		9	1 0	46.00	19	18.77	155	13.39	9.02	2.2	2.6	2.1	49	6	131	.13	7	0.4	0.5	33	SF2
		9	123	20.15	19	17.82	155	20.99	7.37	1.5	1.5	1.3	26	2	122	.09	4	0.3	0.7	16	SWR
		9	2 2	51.03	19	25.21	155	15.57	9.66	1.7	1.9	1.2	10	0	209	.15	3	2.9	3.7	1	INT L
		9	3 3	43.40	19	21.05	155	8.13	8.34	1.6	1.9	1.7	39	5	74	.12	4	0.4	0.5	27	SF4
		9	553	46.95	19	24.46	155	17.60	5.23	1.8		1.4	11	0	86	.11	1	0.9	1.1	14	INT L
		9	556	25.06	19	25.01	155	17.96	2.65	1.6		1.5	15	1	67	.30	1	1.1	0.5	2	SNC L
		9	647	10.07	19	24.81	155	16.61	10.26	2.0	2.3	1.3	11	2	124	.23	1	1.5	1.5	1	INT L
		9	7 3	20.97	19	25.23	155	17.24	6.90	1.8	2.1	1.2	8	0	144	.05	1	0.8	1.6	1	INT L
		9	713	36.69	19	24.56	155	18.11	13.77	2.2	2.5	1.4	10	3	105	.19	2	1.5	1.6	1	DEP L
		9	721	10.00	19	24.24	155	15.79	9.73	1.9	1.9	1.2	11	3	112	.09	2	1.5	0.8	1	INT L
		9	737	3.97	19	24.76	155	17.00	12.98	2.1	2.3	1.3	19	6	86	.21	0	1.5	1.0	1	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	9	743	32.10	19	24.88	155	21.44	22.01	2.1	1.8	1.3	9	2	152	.05	4	2.3	1.9	0	DML L
		9	757	29.21	19	23.15	155	18.19	8.36	1.7	2.0	1.0	10	3	125	.10	2	0.9	0.8	0	INT L
		9	854	53.51	19	25.30	155	15.24	16.19	2.1	1.8	1.1	10	2	221	.12	4	2.4	1.5	0	DEP L
		9	858	58.89	19	22.75	155	14.55	3.56	1.6	1.8	1.6	22	7	89	.09	2	0.3	0.3	12	SEC
		9	1056	19.17	18	27.40	156	6.82	37.39		2.2	1.9	24	3	330	.17	75	2.4	4.1	21	DIS
		9	1412	29.04	19	21.81	155	12.91	2.99	1.3	1.1	1.4	19	5	102	.09	2	0.4	0.4	14	SER
		9	1629	0.75	20	4.52	155	29.39	9.99	2.3	2.0	2.1	36	4	222	.11	26	1.0	0.6	34	KEA
		9	1713	59.21	19	24.62	155	17.23	7.41	1.9	2.4	1.3	15	1	60	.12	1	0.7	0.8	15	INT L
		9	2117	23.25	19	24.27	155	16.14	5.88	1.6	2.0	1.2	16	1	84	.12	2	0.5	0.7	15	INT L
		10	017	30.88	19	25.49	155	16.22	9.61	2.1		1.4	19	3	124	.16	2	0.9	0.7	17	INT L
		10	210	9.70	19	21.87	155	13.17	2.96	1.6	1.3	1.3	23	5	70	.08	1	0.4	0.3	19	SER
		10	336	37.36	19	19.66	155	28.48	10.00	1.6	1.6	1.3	32	3	41	.13	5	0.4	0.5	32	KAO
		10	456	1.25	19	22.84	155	19.15	10.44	2.0		1.3	16	2	89	.12	2	0.8	1.3	17	KAO L
		10	850	12.61	19	24.45	155	18.07	7.98	2.0		1.2	18	2	59	.12	2	0.6	0.7	17	INT L
		10	9 9	39.76	19	23.61	155	17.67	5.96	1.8	2.0	1.3	19	3	50	.14	1	0.5	0.9	17	INT L
		10	912	50.27	19	23.19	155	17.81	5.03	1.7	2.0	1.2	16	2	78	.12	2	0.5	1.0	17	INT L
		10	923	23.15	19	24.44	155	16.95	7.98	1.9	2.0	1.4	17	1	80	.08	1	0.5	0.8	17	INT L
		10	929	11.80	19	23.13	155	18.57	6.03	2.1	2.5	1.4	18	2	54	.18	2	0.6	1.3	18	INT L
		10	938	22.28	19	25.16	155	15.83	5.19	1.5	1.5	1.0	16	2	124	.12	2	0.5	0.5	15	INT L
		10	947	50.63	19	24.06	155	16.87	9.40	2.0		1.4	19	2	73	.15	1	0.6	1.0	17	INT L
		10	957	37.15	19	24.33	155	17.47	7.17	1.9	2.1	1.3	16	1	55	.10	1	0.5	0.7	16	INT L
		10	1015	43.75	19	23.80	155	17.81	7.87	2.0	2.2	1.4	22	4	47	.13	2	0.5	0.8	19	INT L
		10	1035	7.08	19	22.73	155	18.09	7.13	2.1	2.2	1.3	19	3	67	.15	2	0.6	1.1	17	INT L
		10	1042	41.81	19	25.37	155	15.55	6.49	1.9	2.2	1.4	20	2	144	.17	2	0.9	0.7	19	INT L
		10	1059	14.43	19	24.10	155	17.80	10.35	1.7	1.7	1.1	19	3	46	.10	2	0.8	0.9	16	INT L
		10	11 6	3.98	19	26.16	155	14.47	7.34	1.7	1.8	1.1	20	5	211	.12	5	1.0	0.6	16	INT L
		10	1110	0.05	19	23.99	155	16.87	9.60	1.7	1.9	1.1	19	5	109	.09	1	0.7	0.6	14	INT L
		10	1115	48.46	19	24.49	155	15.77	7.01	1.9	2.3	1.4	22	4	96	.18	2	0.7	0.6	18	INT L
		10	1147	26.57	19	24.60	155	17.53	6.24	2.0	2.6	1.5	14	1	69	.07	1	0.6	1.1	1	INT L
		10	12 5	19.44	19	25.47	155	15.88	8.62	2.1	2.8	1.4	9	1	136	.11	2	1.1	1.5	1	INT L
		10	1222	46.22	19	26.47	155	17.17	8.79	1.8	2.0	1.3	7	1	116	.03	2	0.9	1.5	1	INT L
		10	1230	42.62	19	24.06	155	16.29	12.43	2.1	3.0	1.4	18	5	76	.13	1	1.0	0.7	1	INT L
		10	1257	6.84	19	26.16	155	16.88	7.33	2.0	3.0	1.6	11	2	115	.15	2	1.1	0.9	2	INT L
		10	1310	5.89	19	24.30	155	17.64	11.30	2.2	2.8	1.5	14	3	66	.11	2	1.0	1.1	3	INT L
		10	1333	24.44	19	24.33	155	18.08	9.62	2.1	2.3	1.4	14	2	64	.14	2	1.0	2.0	4	INT L
		10	15 6	4.66	19	24.77	155	18.20	5.89	2.0		1.5	20	3	64	.14	2	0.5	0.8	1	INT L
		10	1534	50.11	19	25.54	155	15.98	9.90	2.4	3.0	1.6	18	2	136	.12	2	1.1	0.7	3	INT L
		10	1550	31.42	19	24.57	155	0.92	6.94	1.8	2.1	1.8	35	4	129	.12	4	0.4	0.6	22	SF5
		10	16 6	42.24	19	26.71	155	15.71	11.67	2.1	2.5	1.5	13	2	187	.15	3	2.0	1.3	1	INT L
		10	1622	16.10	19	25.02	155	17.21	7.60	2.0	2.6	1.4	11	2	87	.09	1	0.9	1.1	0	INT L
		10	1642	13.35	19	23.54	155	16.99	7.81	2.1	2.2	1.3	14	1	101	.10	0	0.8	1.0	4	INT L
		10	17 0	59.57	19	23.13	155	17.64	9.63	1.7	1.6	1.1	12	4	92	.12	1	1.7	1.3	3	INT L
		10	17 7	23.52	19	24.97	155	16.14	7.93	2.1	2.9	1.3	15	1	109	.14	2	0.9	1.1	6	INT L
		10	1729	41.54	19	23.36	155	17.20	10.53	2.1	2.4	1.5	16	5	95	.09	0	1.0	0.8	5	INT L
		10	1746	38.77	19	24.97	155	17.17	9.88	2.1	2.6	1.5	17	5	87	.20	0	1.9	0.9	1	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	10	1757	16.27	19	24.86	155	16.64	11.76	1.8	2.3	1.2	18	6	94	.14	1	1.5	0.9	1	INT L
		10	18 3	25.09	19	24.37	155	17.69	11.08	1.9	2.3	1.3	17	5	75	.13	2	1.1	0.8	1	INT L
		10	1812	52.76	19	24.92	155	17.55	6.28	1.9	2.6	1.4	17	2	81	.13	1	0.8	1.0	2	INT L
		10	1815	50.02	19	20.48	155	12.93	8.20	1.4	1.2	1.3	26	2	66	.08	4	0.4	0.8	18	SF2 L
		10	1828	47.24	19	22.78	155	18.27	5.61	1.6	2.1	1.0	10	3	128	.11	3	1.4	3.2	1	INT L
		10	1836	20.99	19	24.66	155	17.15	2.14	1.5	2.4	1.2	5	0	119	.02	1	1.0	0.4	1	SNC L
		10	1852	5.00	19	25.05	155	17.61	8.99	1.9	2.1	1.1	13	3	79	.18	1	1.3	2.1	2	INT L
		10	19 0	25.36	19	24.53	155	17.04	9.54	2.1	2.4	1.6	21	2	81	.10	1	0.6	0.9	1	INT L
		10	1916	11.86	19	25.12	155	16.50	7.98	1.6	1.9	1.1	21	5	105	.17	1	1.1	0.6	16	INT L
		10	1922	11.09	19	22.53	155	18.83	7.80	2.2	2.7	1.4	19	3	65	.19	3	0.7	1.5	16	INT L
		10	1944	20.74	19	24.40	155	17.20	10.38	2.1	3.0	1.5	20	4	64	.11	1	0.7	0.6	17	INT L
		10	1952	1.97	19	24.56	155	16.45	10.04	1.8	1.9	1.0	15	3	89	.11	3	0.8	0.7	12	INT L
		10	1958	55.93	19	24.69	155	17.48	10.83		2.3	1.2	18	2	52	.12	1	0.8	0.7	17	INT L
		10	20 8	23.72	19	24.04	155	18.42	8.82	2.5	3.7	1.5	18	3	78	.11	3	0.6	0.8	17	INT L
		10	2016	0.10	19	24.98	155	16.04	4.63	1.5	1.8	1.2	21	3	112	.12	2	0.6	0.4	17	SNC L
		10	2024	30.23	19	24.23	155	16.40	3.62	1.5	1.9	1.2	17	2	81	.12	1	0.5	0.3	17	SEC L
		10	2032	43.14	19	26.35	155	14.10	9.32	1.8	1.6	1.0	16	3	263	.12	5	1.5	1.0	13	INT L
		10	2039	14.33	19	23.58	155	17.25	6.77	2.0	2.8	1.3	16	1	67	.13	1	0.6	1.0	17	INT L
		10	2055	23.34	19	25.09	155	15.77	8.66	2.1		1.4	21	5	123	.16	2	0.9	0.6	17	INT L
		10	2115	20.45	19	22.99	155	17.73	8.98	2.2	2.8	1.4	21	6	71	.16	2	0.8	1.1	17	INT L
		10	2132	13.98	19	25.06	155	16.24	13.39	2.1		1.2	18	3	109	.11	1	1.0	0.6	17	DEP L
		10	2142	6.27	19	24.93	155	17.10	12.22	1.9	2.0	1.0	20	4	88	.12	0	0.9	0.7	16	INT L
		10	2151	21.48	19	23.98	155	16.05	6.80	2.1	2.5	1.4	15	2	108	.12	1	0.8	0.9	17	INT L
		10	22 8	22.05	19	24.35	155	16.59	10.21	2.1	2.6	1.4	19	3	82	.15	1	0.9	0.8	17	INT L
		10	2227	5.11	19	24.64	155	17.59	6.14		2.5	1.4	18	3	49	.11	1	0.6	0.6	16	INT L
		10	2233	47.72	19	25.90	155	21.70	9.87	1.9	1.4	1.4	53	14	40	.14	4	0.3	0.4	38	KAO
		10	2237	54.24	19	18.06	155	13.39	6.50		1.4	1.2	35	6	88	.12	2	0.4	0.6	31	SF2
		10	2242	33.20	19	24.78	155	16.35	6.71	2.0	2.7	1.4	23	4	70	.13	1	0.6	0.4	19	INT L
		10	23 4	30.88	19	25.62	155	15.12	7.07	2.1	2.7	1.5	20	4	159	.10	2	0.8	0.6	18	INT L
		10	2323	36.91	19	24.90	155	16.92	11.28	2.1	2.6	1.5	21	5	91	.10	0	0.8	0.6	17	INT L
		10	2341	25.70	19	22.53	155	17.97	9.90	2.3	2.9	1.5	20	3	74	.12	2	0.6	1.0	18	INT L
		10	2355	41.10	19	24.51	155	18.06	6.89	2.1	2.6	1.4	22	5	59	.11	2	0.5	0.5	18	INT L
		11	016	40.67	19	24.17	155	16.98	10.94	2.3	2.9	1.6	18	2	74	.14	1	0.8	1.1	16	INT L
		11	035	0.51	19	24.85	155	16.38	8.82	2.1	2.2	1.4	23	5	100	.17	1	0.9	0.6	18	INT L
		11	054	31.07	19	25.07	155	15.52	8.14	2.3	2.7	1.5	20	2	130	.14	2	0.8	0.6	18	INT L
		11	1 5	19.52	19	59.11	155	25.50	9.78	2.5	2.8	2.6	52	5	250	.10	14	0.7	0.5	49	KEA
		11	111	44.19	19	25.70	155	16.24	10.21	2.2	2.7	1.5	20	5	130	.16	2	1.0	0.5	18	INT L
		11	132	4.07	19	24.48	155	17.64	6.69	2.4	3.3	1.5	28	3	44	.13	1	0.4	0.5	26	INT L
		11	138	53.01	19	24.54	155	17.82	9.16	1.8	1.7	1.2	20	4	54	.10	2	0.6	0.6	17	INT L
		11	151	10.52	19	24.02	155	16.05	5.05	1.7	1.9	1.3	17	3	76	.12	1	0.5	0.6	16	INT L
		11	155	44.01	19	25.71	155	15.55	10.15	1.9	1.7	1.1	19	4	158	.13	3	1.1	0.6	15	INT L
		11	159	27.63	19	24.62	155	16.90	6.56	1.7	2.6	1.3	19	1	85	.13	1	0.5	0.7	18	INT L
		11	2 3	59.09	19	25.28	155	15.72	10.81	1.9	1.6		20	5	133	.17	2	1.2	0.7	15	INT L
		11	2 7	56.52	19	24.44	155	17.38	9.88	2.1	2.4	1.3	19	2	47	.15	1	0.7	0.8	17	INT L
		11	212	55.15	19	24.82	155	16.97	11.04	1.9	1.7	1.0	19	4	88	.14	0	1.0	0.8	15	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	11	216	50.33	19	24.32	155	17.64	8.82	2.4	3.0	1.5	18	1	44	.08	2	0.5	1.0	18	INT L
		11	230	55.74	19	25.47	155	15.37	6.97	1.8	2.2	1.3	19	3	156	.10	2	0.8	0.7	15	INT L
		11	237	4.12	19	24.06	155	17.12	11.66	2.0	2.3	1.3	19	4	69	.11	1	0.8	0.8	15	INT L
		11	244	58.91	19	24.82	155	16.77	10.45	1.9	2.0	1.2	21	4	92	.11	0	0.7	0.6	17	INT L
		11	256	47.59	19	24.66	155	16.23	7.98	1.9	2.4	1.3	20	2	96	.13	1	0.7	0.6	19	INT L
		11	3 8	13.04	19	25.64	155	14.57	3.67	1.6	2.1	1.2	23	5	170	.17	2	0.6	0.8	18	SNC L
		11	314	8.13	19	25.65	155	16.46	9.64	2.0	2.1	1.4	22	6	120	.10	2	0.9	0.4	16	INT L
		11	320	15.43	19	24.91	155	14.94	5.87	1.8	1.8	1.2	18	4	140	.15	1	0.8	0.7	18	INT L
		11	327	28.46	19	24.83	155	17.13	11.17	2.1	2.8	1.4	22	5	50	.11	0	0.8	0.5	17	INT L
		11	335	59.08	19	25.71	155	15.13	9.93	2.1	2.5	1.4	22	4	161	.12	2	1.0	0.7	19	INT L
		11	345	26.64	19	25.11	155	16.22	9.49	2.1	2.2	1.3	22	4	112	.11	1	0.7	0.5	17	INT L
		11	355	31.98	19	25.19	155	16.88	10.65	2.1		1.5	21	4	98	.13	1	0.9	0.6	18	INT L
		11	4 8	27.45	19	24.02	155	17.04	10.52	2.0	2.3	1.2	23	5	70	.14	1	0.7	0.7	18	INT L
		11	415	7.96	19	24.94	155	16.88	9.61	2.0	2.1	1.3	20	3	93	.13	0	0.9	0.6	18	INT L
		11	420	34.70	19	24.25	155	16.38	12.23	1.9	2.0	1.1	17	3	121	.10	1	0.9	0.9	14	INT L
		11	426	34.40	19	25.02	155	15.97	7.81	1.8	2.0	1.1	19	4	115	.15	2	0.7	0.6	18	INT L
		11	434	1.66	19	25.34	155	16.33	9.64	2.1	2.5	1.5	21	5	116	.11	1	0.9	0.4	18	INT L
		11	443	3.05	19	24.90	155	16.75	10.75	2.0	2.3	1.2	22	4	94	.13	0	0.9	0.6	18	INT L
		11	452	7.06	19	24.79	155	15.43	10.95	2.1	2.4	1.3	21	5	116	.12	2	0.9	0.5	17	INT L
		11	5 2	24.56	19	24.26	155	17.07	11.04	2.1	2.6	1.3	23	5	75	.16	1	0.8	0.7	18	INT L
		11	5 9	17.31	19	25.41	155	15.80	8.60	1.7	1.9	1.0	20	4	136	.11	2	0.8	0.5	17	INT L
		11	522	56.26	19	25.11	155	16.34	11.87	2.6	3.1	1.5	19	2	108	.14	1	0.9	0.7	17	INT L
		11	530	9.37	19	24.08	155	15.83	11.29	1.8	1.6	1.0	16	5	116	.13	1	1.1	0.6	12	INT L
		11	538	48.88	19	25.80	155	16.19	9.03	1.8	1.9	1.2	21	3	134	.11	2	0.8	0.6	18	INT L
		11	546	34.26	19	24.65	155	17.10	8.14	1.8	1.7	1.1	22	4	68	.13	0	0.6	0.6	18	INT L
		11	552	32.38	19	24.22	155	16.36	11.08	1.9	1.6	1.1	17	2	80	.10	1	0.8	0.8	16	INT L
		11	556	56.18	19	24.57	155	16.92	9.70	1.9	1.6	1.2	18	2	84	.11	1	0.8	0.8	16	INT L
		11	6 7	2.37	19	23.95	155	16.81	9.32	1.8	1.7	1.1	22	5	71	.10	0	0.6	0.6	18	INT L
		11	613	16.23	19	24.08	155	16.55	8.72	1.8	1.6	1.1	15	2	78	.14	0	0.7	1.0	16	INT L
		11	624	43.53	19	25.23	155	16.48	9.07	2.4	3.0	1.4	20	4	109	.10	1	0.7	0.5	18	INT L
		11	643	43.78	19	27.97	155	16.16	11.41	2.0	1.9	1.3	13	1	225	.13	1	1.6	1.2	1	INT L
		11	652	39.89	19	23.62	155	17.85	12.64	2.0	1.9	1.2	16	4	100	.16	2	1.4	0.9	3	INT L
		11	7 0	59.63	19	24.03	155	18.02	7.71	1.7	1.9	1.1	11	2	95	.09	2	1.0	1.0	2	INT L
		11	720	54.10	19	24.53	155	17.15	9.81	2.1	1.6	1.4	15	2	66	.08	1	0.6	0.8	2	INT L
		11	734	15.29	19	26.11	155	17.45	11.17	1.9	1.6	1.2	16	3	92	.10	1	1.2	0.7	2	INT L
		11	745	51.28	19	24.75	155	16.22	13.11	2.1	1.8	1.2	18	6	100	.14	1	1.3	0.7	1	DEP L
		11	8 0	55.16	19	23.83	155	17.33	10.43	2.1	1.6	1.4	18	4	71	.09	1	0.9	0.5	4	INT L
		11	820	22.96	19	25.56	155	16.94	7.77	1.9	1.5	1.3	15	2	103	.09	1	0.8	1.4	1	INT L
		11	833	58.95	19	22.79	155	16.49	12.36	2.2	1.6	1.3	17	4	74	.16	1	1.1	1.5	3	INT L
		11	9 0	16.31	19	25.34	155	15.01	10.56	2.1	1.7	1.4	16	6	167	.13	2	1.1	1.1	2	INT L
		11	941	50.12	19	26.45	155	15.69	11.83	2.1	1.4	1.3	19	6	179	.15	3	1.3	0.8	4	INT L
		11	10 3	55.94	19	24.21	155	16.92	11.43	2.2	2.0	1.5	20	5	76	.15	1	1.1	0.6	5	INT L
		11	1058	6.56	19	42.43	155	2.50	0.00	2.3	2.0	1.6	30	2	216	.20	1	2.0	0.8	29	HIL B*
		11	11 0	2.93	19	24.74	155	19.57	9.88	2.1	1.6	1.4	15	3	67	.11	2	0.7	1.0	4	KAO L
		11	1159	20.02	19	25.71	155	18.04	2.81	1.8	2.2	1.4	13	1	85	.23	1	0.6	0.7	3	SNC L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	11	12 7	34.50	19	16.09	155	30.23	10.08	1.8	1.9	1.9	42	2	55	.13	2	0.4	0.6	27	LSW
		11	1244	12.78	19	23.71	155	16.85	10.07	1.9	1.6	1.2	17	5	70	.13	1	1.2	0.7	1	INT L
		11	1352	26.45	19	25.71	155	15.88	9.67	2.0	2.0	1.3	13	7	225	.12	2	1.2	0.7	1	INT L
		11	1421	52.80	19	25.44	155	15.99	12.61	2.0	1.6	1.3	18	6	150	.10	2	1.3	0.6	4	INT L
		11	1457	38.10	19	22.35	155	29.74	10.14		1.2	1.3	25	2	42	.12	4	0.4	0.7	15	KAO
		11	1523	6.10	19	24.32	155	18.04	12.25	2.2	2.1	1.5	16	5	116	.13	2	1.7	0.7	4	INT L
		11	16 5	8.40	19	23.47	155	17.01	12.13	2.1	1.6	1.3	19	3	123	.18	0	1.3	0.9	5	INT L
		11	1631	43.30	19	24.72	155	15.20	9.72	2.0	1.6	1.3	10	2	116	.08	2	1.6	1.1	1	INT L
		11	1659	19.33	19	22.42	155	3.27	7.59	2.1	2.0	2.1	44	6	115	.11	4	0.3	0.5	28	SF5
		11	17 0	47.07	19	24.66	155	16.34	12.13	2.1	2.5	1.5	15	3	94	.10	1	1.4	0.6	2	INT L
		11	1725	19.45	19	25.06	155	16.58	11.78	2.6	2.6	1.4	18	6	128	.10	1	1.1	0.6	3	INT L
		11	18 2	7.28	19	23.48	155	17.36	9.39	1.9		1.1	19	4	70	.11	1	0.7	0.9	16	INT L
		11	1832	38.36	19	25.40	155	16.12	9.35	2.1	1.9	1.3	23	5	125	.06	2	0.7	0.4	18	INT L
		11	1848	5.17	19	25.24	155	16.71	11.92	2.1	1.9	1.2	23	5	103	.14	1	1.0	0.4	18	INT L
		11	1913	42.60	19	24.74	155	17.23	10.72	2.1	1.7	1.3	21	4	44	.13	0	0.7	0.6	18	INT L
		11	1942	17.13	19	24.99	155	17.04	9.12	2.1	1.6	1.3	21	4	91	.13	0	0.7	0.5	18	INT L
		11	2014	27.19	19	25.24	155	16.98	10.54	2.1	1.6	1.3	22	4	96	.11	1	0.8	0.5	18	INT L
		11	2030	27.17	20	4.21	155	31.47	37.91		1.8	1.6	38	3	212	.11	27	1.3	0.7	37	KEA
		11	2041	22.78	19	24.38	155	16.50	11.73	2.1	1.6	1.4	22	4	83	.18	1	1.0	0.7	18	INT L
		11	2113	7.89	19	24.93	155	16.82	10.35	2.1	1.6	1.2	22	4	94	.14	0	0.8	0.6	18	INT L
		11	2136	41.65	19	24.49	155	16.59	10.85	2.0	1.7	1.2	23	5	85	.12	1	0.8	0.5	18	INT L
		11	2212	47.86	19	23.71	155	17.80	10.30	2.2	2.0	1.3	23	5	48	.14	2	0.7	0.8	18	INT L
		11	2253	2.30	19	24.79	155	17.02	10.37	2.0	2.0	1.2	21	4	82	.09	0	0.7	0.5	18	INT L
		12	0 1	45.32	19	25.42	155	16.77	10.65	1.9	1.6	1.2	23	5	105	.13	1	0.9	0.4	18	INT L
		12	034	35.28	19	25.05	155	16.49	9.36	1.9	1.9	1.2	19	3	103	.12	1	0.7	0.5	18	INT L
		12	127	5.00	19	25.81	155	15.90	11.53	1.9	1.6	1.2	23	5	143	.13	3	0.9	0.7	18	INT L
		12	2 9	7.26	19	24.71	155	17.45	10.64	2.3	2.8	1.3	22	5	52	.14	1	0.8	0.5	18	INT L
		12	226	3.01	19	24.70	155	15.66	11.84	2.0		1.2	22	4	107	.16	2	1.0	0.6	18	INT L
		12	236	40.70	19	23.30	155	17.14	10.81	2.1	1.6	1.3	20	4	64	.10	0	0.7	0.9	18	INT L
		12	253	39.38	19	24.97	155	17.73	7.08	1.5	1.5	1.1	18	3	76	.13	1	0.7	0.7	18	INT L
		12	321	4.56	20	0.57	155	26.45	10.34	3.0		3.1	57	7	201	.12	17	0.6	0.4	53	KEA
		12	322	13.26	20	1.27	155	25.79	8.33	1.2	1.5	2.3	49	5	204	.13	17	0.8	0.6	44	KEA
		12	339	59.57	20	1.49	155	25.67	9.12	2.8	2.8	2.6	54	5	205	.12	17	0.5	0.4	50	KEA
		12	433	45.23	19	25.15	155	17.32	14.94	2.2	1.6	1.3	16	2	118	.16	1	1.4	1.2	16	DEP L
		12	610	38.91	19	25.24	155	16.27	9.60	2.0	2.5	1.2	21	4	115	.08	1	0.7	0.5	17	INT L
		12	720	15.23	19	20.35	155	4.31	5.99	1.3	1.4	1.4	36	3	121	.14	3	0.5	0.9	35	SF5
		12	742	59.21	19	25.55	155	15.45	10.56	1.9	1.7	1.0	12	4	215	.10	4	1.3	0.7	9	INT L
		12	833	2.52	19	25.42	155	16.91	11.63	2.1	2.4	1.3	19	6	101	.16	1	1.3	0.8	2	INT L
		12	945	24.60	19	25.76	155	16.04	11.52	2.1	2.8	1.3	16	5	139	.10	2	1.1	0.9	1	INT L
		12	1150	4.68	19	19.85	155	6.55	8.47	2.3	3.0	2.3	48	5	119	.11	5	0.4	0.5	33	SF4
		12	1539	42.12	19	22.37	155	18.96	8.94	1.9	2.0	1.0	8	1	150	.09	5	1.2	1.9	1	INT L
		12	1648	58.57	20	1.23	155	25.75	9.37	2.2	2.0	1.9	23	1	219	.13	17	1.4	0.8	14	KEA
		12	1722	43.47	20	1.06	155	25.74	9.61	1.2	1.4	1.6	21	1	218	.10	17	1.2	0.6	8	KEA
		12	1753	3.32	19	24.24	155	17.18	1.67	1.8	2.0	1.2	17	5	66	.09	1	0.3	0.2	10	SSC L
		12	1817	18.96	19	19.55	155	8.84	6.64	1.6	1.7	1.6	31	1	81	.09	4	0.5	1.1	20	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	12	2027	30.06	19	18.17	155	13.04	6.90	1.5	1.5	1.6	33	3	101	.13	2	0.5	0.7	23	SF2
		12	2036	55.76	19	18.41	155	13.04	7.88	1.5	1.9	1.6	41	2	95	.11	3	0.4	0.6	20	SF2
		12	2140	4.69	19	24.54	155	16.71	13.96	2.2	2.6	1.3	21	5	86	.10	1	0.9	0.6	18	DEP L
		13	136	8.80	19	19.75	155	12.42	8.51	1.4	1.5	1.5	43	4	81	.10	5	0.3	0.3	42	SF2
		13	323	56.90	19	24.34	155	15.93	11.75	1.8	1.6	0.9	11	3	190	.13	4	1.3	0.7	10	INT L
		13	1252	41.20	19	26.68	155	15.96	9.93	1.9	2.0	1.3	19	8	173	.12	2	1.0	0.8	12	INT L
		13	1519	36.48	19	22.62	155	26.47	9.49	1.9	1.3	1.6	42	7	36	.13	2	0.3	0.4	37	KAO
		13	1541	49.29	19	19.70	155	6.60	8.06	2.7	2.4	2.6	45	7	123	.11	5	0.3	0.3	45	SF4
		13	1634	15.51	19	22.66	155	26.21	9.14	1.5	1.2	1.4	35	6	46	.12	2	0.3	0.3	31	KAO
		13	2127	7.34	19	25.94	155	29.37	8.60	2.1	2.1	1.8	44	8	62	.12	7	0.3	0.5	40	KAO
		13	2131	53.23	19	22.40	155	30.05	9.73		1.2	1.3	29	3	48	.11	4	0.5	0.5	27	KAO
		13	2226	10.65	19	19.02	155	0.79	37.51	2.3	1.6	2.0	59	15	203	.11	4	0.9	0.4	44	DEP
		14	419	56.53	19	26.69	155	14.73	9.57	1.7	1.9	1.2	18	2	194	.10	4	1.0	0.8	16	INT L
		14	1325	16.45	19	24.35	155	17.08	1.87	2.2	2.0	1.5	25	10	75	.20	1	0.5	0.3	15	SSC L
		14	1756	23.63	19	20.09	155	9.01	7.49	2.5	2.2	2.5	56	8	74	.12	4	0.3	0.4	51	SF4
		14	1958	39.35	19	24.54	155	17.55	7.78	1.9	2.0	1.3	17	2	43	.15	1	0.6	0.7	17	INT L
		15	240	29.55	19	19.66	155	7.08	7.98	2.1	2.0	2.0	51	7	114	.11	5	0.3	0.3	47	SF4
		15	1239	36.26	19	22.68	155	17.09	19.01	2.0	1.7	1.1	9	0	83	.10	2	2.6	5.8	0	DEP L
		15	16 1	36.01	19	19.81	155	7.74	7.44	1.6		1.7	34	2	97	.11	5	0.5	0.9	19	SF4 L
		15	1944	2.60	19	20.17	155	6.59	5.14	1.6	1.3	1.4	27	1	111	.13	6	0.5	1.8	13	SF4
		15	1951	35.31	19	22.20	155	18.46	0.02	1.2	1.8	1.2	9	2	142	.13	3	0.4	0.6	0	SSC L*
		15	2215	1.50	19	21.09	155	11.26	8.62	1.4	1.2	1.3	38	5	68	.13	3	0.5	0.4	34	SF3
		16	1025	49.56	20	23.85	154	4.90	32.50	3.2	4.7	3.2	49	9	339	.12	125	1.7	3.0	48	DIS
		16	1044	54.10	19	19.12	155	13.50	6.13		1.1	1.4	37	6	71	.14	4	0.3	0.6	32	SF2
		16	1128	46.72	19	20.19	155	6.79	6.88		1.2	1.4	29	5	108	.12	6	0.4	0.8	27	SF4
		16	1149	17.33	19	18.92	155	13.69	5.85		1.1	1.1	22	4	86	.12	4	0.4	1.0	20	SF2
		16	1644	10.36	19	24.77	155	16.07	11.93	1.9	1.9	1.2	16	4	103	.07	2	1.3	0.8	2	INT L
		16	1735	5.92	19	20.29	155	19.34	6.02	1.9	1.8	1.1	6	1	308	.13	6	3.3	5.4	1	SWR L
		16	1830	59.08	19	26.18	155	17.08	6.63	1.8	2.7	1.3	15	1	80	.13	2	0.7	1.3	1	INT L
		16	1843	11.13	19	27.59	155	16.47	8.56	1.7	1.6	1.2	11	2	190	.10	1	2.0	1.6	0	INT L
		16	1922	50.52	19	25.59	155	16.15	10.65	2.1	2.6	1.4	8	0	130	.09	3	1.5	2.7	3	INT L
		16	20 1	47.07	19	29.05	155	14.52	12.01	2.1		1.5	13	1	252	.17	4	2.5	2.8	0	GLN L
		16	2149	2.51	19	25.04	155	16.52	12.50	2.0	2.4	1.3	20	3	102	.13	1	0.9	0.6	18	INT L
		17	021	8.28	19	24.20	155	17.47	9.69	1.8	2.1	1.0	21	4	48	.12	2	0.7	0.7	17	INT L
		17	2 2	51.23	19	24.59	155	17.15	9.83	1.6	1.7	0.9	20	3	64	.10	1	0.7	0.6	17	INT L
		17	1220	26.94	19	23.76	155	18.39	6.42	1.7	1.7	1.3	10	0	68	.08	2	1.6	3.9	0	INT L
		17	1259	44.37	19	23.07	155	2.68	7.09	1.7	1.6	1.7	35	2	124	.12	3	0.4	0.8	17	SF5
		17	2045	6.11	19	28.40	155	16.29	15.57	2.1	2.6	0.8	6	0	297	.06	1	4.5	8.8	0	DEP L*
		17	2348	19.67	20	0.18	155	34.57	9.42	1.7	1.8	1.7	27	4	173	.13	18	0.5	0.6	24	KOH
		18	034	51.79	19	20.91	155	16.96	1.92	1.2		1.5	26	9	68	.13	2	0.3	0.3	18	KOA
		18	035	14.39	19	21.02	155	17.05	2.24	1.4	1.8	1.5	21	4	61	.12	2	0.3	0.3	18	SWR
		18	056	12.60	19	21.03	155	17.02	2.39	1.1	1.1	1.2	19	4	62	.13	2	0.3	0.3	15	SWR
		18	319	24.43	19	25.22	155	16.15	8.46	1.8		1.2	18	3	118	.11	2	0.7	0.5	17	INT L
		18	320	0.27	19	25.23	155	15.65	6.69	1.9	2.1	1.3	18	3	133	.11	2	0.8	0.5	16	INT L
		18	327	19.61	19	24.78	155	16.39	11.31	1.8	1.6	1.3	18	2	97	.10	1	0.8	0.7	18	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	18	334	26.71	19	20.34	155	8.49	8.04	1.9	1.9	1.7	48	5	76	.11	4	0.3	0.4	45	SF4
		18	423	23.80	19	24.72	155	16.02	9.49	2.0	1.9	1.2	20	2	102	.14	2	0.8	0.6	18	INT L
		18	533	38.30	19	22.65	155	30.31	12.05	1.7	1.6	1.7	40	5	42	.11	5	0.3	0.4	36	KAO
		18	539	35.10	19	25.23	155	15.19	10.53	2.1	2.5	1.3	18	2	152	.17	2	1.2	0.7	17	INT L
		18	550	4.59	19	24.85	155	16.54	8.31	1.9	1.7	1.2	17	2	96	.11	1	0.6	0.5	18	INT L
		18	556	34.85	19	24.90	155	16.55	8.20	1.8	1.9	1.3	18	3	98	.14	1	0.8	0.6	17	INT L
		18	6	8	20.37	19	25.33	155	14.67	7.65	1.7	1.7	1.2	18	2	188	.15	1	1.1	0.9	16	INT L
		18	655	32.48	19	25.44	155	15.55	10.47	2.1	3.1	1.5	19	2	146	.12	3	0.9	0.6	18	INT L
		18	820	23.52	19	25.76	155	5.23	3.51	2.1	2.0	1.1	9	0	328	.30	20	22.4	25.0	11	SME L*
		18	822	49.95	19	23.71	155	17.04	6.49	1.9		1.4	17	2	61	.12	1	0.5	0.8	18	INT L
		18	1219	24.71	19	25.69	155	17.01	10.33	1.7	2.0	1.2	9	2	125	.15	1	1.5	1.3	2	INT L
		18	1539	20.90	19	16.40	155	27.84	9.21	1.7	2.1	1.6	30	1	62	.12	5	0.4	0.8	18	LSW
		18	1547	45.21	19	26.42	155	14.88	8.91	2.0	2.2	1.4	15	3	214	.12	3	1.1	0.6	1	INT L
		18	1619	3.65	19	24.30	155	16.02	11.21	1.8	1.7	1.1	12	4	100	.13	2	1.2	0.7	1	INT L
		18	18	3	58.58	19	24.18	155	0.78	8.34	2.1	2.2	1.9	49	5	136	.13	4	0.6	0.3	45	SF5
		18	1832	35.63	19	24.56	155	16.76	10.48	2.1	2.5	1.4	20	2	86	.14	1	0.8	0.7	18	INT L
		18	1952	28.51	19	24.55	155	17.24	11.11	2.1		1.4	23	5	55	.13	1	0.9	0.6	18	INT L
		18	20	5	9.55	19	25.77	155	15.44	10.72	1.9	1.6	1.2	21	4	166	.10	3	0.9	0.5	17	INT L
		18	2050	33.80	19	24.43	155	16.72	9.42	1.7	1.6	1.0	19	3	83	.08	1	0.7	0.6	16	INT L
		18	2227	30.16	19	24.29	155	18.27	10.07	1.7	1.7	1.0	18	4	57	.18	2	0.9	1.1	14	INT L
		19	046	56.04	19	28.39	155	13.14	9.72	2.0	1.6	1.6	50	9	93	.14	6	0.3	0.7	43	GLN
		19	214	21.89	19	24.89	155	16.16	10.62	2.0	2.0	1.2	23	5	106	.10	1	0.8	0.5	18	INT L
		19	227	53.55	19	26.48	155	28.56	10.22	1.9	1.6	1.6	41	6	41	.13	6	0.3	0.6	35	KAO
		19	258	57.44	19	24.25	155	17.53	11.85	1.9	1.9	1.2	21	4	44	.12	2	0.7	0.8	17	INT L
		19	346	32.13	19	25.10	155	15.67	10.90	1.9	1.6	1.1	20	5	127	.11	2	1.1	0.6	16	INT L
		19	4	9	57.80	19	24.69	155	16.92	10.38	2.2	2.7	1.4	22	4	86	.17	0	0.8	0.8	19	INT L
		19	525	42.46	19	25.48	155	15.73	8.88	2.2	2.8	1.5	21	4	142	.12	2	0.9	0.5	18	INT L
		19	542	14.93	19	24.80	155	17.52	10.71	1.9	1.6	1.1	20	4	68	.14	1	0.9	0.6	17	INT L
		19	555	2.74	19	24.97	155	15.78	7.10	1.7	1.7	1.1	21	3	117	.18	2	0.8	0.6	18	INT L
		19	6	6	23.21	19	25.02	155	14.14	7.72	1.8	1.5	1.1	15	6	240	.11	5	1.6	0.7	13	INT L
		19	615	30.00	19	26.00	155	15.44	10.41	1.9	1.6	1.0	16	4	174	.08	3	1.0	0.6	12	INT L
		19	626	19.33	19	23.62	155	17.71	9.82	2.2	2.3	1.4	20	3	50	.13	1	0.6	1.1	17	INT L
		19	634	21.43	19	20.44	155	7.06	7.13	2.1	2.1	2.0	39	3	99	.10	5	0.5	0.6	40	SF4
		19	641	18.61	19	24.17	155	16.71	9.00	2.1	2.1	1.4	22	5	77	.13	1	0.8	0.6	17	INT L
		19	657	50.46	19	24.47	155	17.67	7.74	1.9	1.7	1.2	21	4	45	.11	1	0.5	0.6	18	INT L
		19	718	21.49	19	24.46	155	17.06	12.41	2.1	2.7	1.4	19	3	78	.14	1	1.0	0.8	17	INT L
		19	730	22.67	19	25.30	155	16.44	8.87	2.0	2.1	1.2	22	5	112	.15	1	0.8	0.5	17	INT L
		19	749	0.30	19	26.00	155	17.10	9.94	2.1	2.7	1.4	20	4	104	.09	1	0.9	0.6	18	INT L
		19	8	7	36.88	19	24.40	155	16.89	10.33	2.1	2.7	1.4	19	3	80	.15	1	0.9	0.8	17	INT L
		19	850	51.89	19	23.55	155	16.71	10.77	2.3	3.1	1.7	21	4	46	.14	1	0.8	0.7	18	INT L
		19	9	5	57.89	19	24.75	155	16.88	11.52		2.0	1.3	18	3	88	.12	0	0.9	0.6	16	INT L
		19	917	28.95	19	24.83	155	17.37	10.92	2.1	2.6	1.3	18	2	66	.10	1	0.6	0.6	18	INT L
		19	933	59.36	19	23.30	155	18.41	10.80	2.4	2.8	1.6	19	2	54	.17	2	0.7	1.2	18	INT L
		19	949	59.61	19	24.15	155	16.77	11.05	2.1	2.3	1.3	19	3	76	.13	1	0.8	0.8	17	INT L
		19	10	1	58.16	19	25.67	155	15.55	9.41	2.1	2.7	1.5	21	3	149	.17	3	1.0	0.7	18	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	19	1011	57.67	19	19.97	155	6.80	6.72	1.9	1.2	1.4	32	5	112	.12	5	0.4	0.7	27	SF4
		19	1015	24.11	19	24.76	155	16.99	10.59	2.3	2.6	1.5	20	3	86	.17	0	0.9	0.6	18	INT L
		19	1028	49.53	19	24.33	155	17.50	10.15	2.1	2.6	1.4	21	5	44	.12	1	0.7	0.6	17	INT L
		19	1046	21.14	19	24.63	155	17.10	10.08	2.3	2.7	1.5	21	4	70	.12	1	0.7	0.5	18	INT L
		19	11	8	6.89	19	25.10	155	17.30	9.85	2.1	2.4	1.4	21	4	86	.10	1	0.8	0.6	17	INT L
		19	1122	51.81	19	25.72	155	15.66	8.19	2.1	2.4	1.4	19	2	148	.07	3	0.7	0.6	17	INT L
		19	1138	52.42	19	24.88	155	16.82	10.32	2.1		1.5	21	4	92	.13	0	0.9	0.6	17	INT L
		19	1140	4.65	19	26.43	155	15.61	7.81	2.1	2.6	1.6	19	4	221	.11	4	1.2	0.7	17	INT L
		19	1152	53.43	19	25.31	155	16.67	11.58	2.1	2.4	1.4	19	2	105	.14	1	0.9	0.7	18	INT L
		19	12	5	21.15	19	24.93	155	17.34	9.35	2.2	2.5	1.4	14	4	83	.15	1	1.1	0.8	1	INT L
		19	1211	45.76	19	24.34	155	18.01	10.60	2.3		1.5	19	4	57	.10	2	0.7	0.7	18	INT L
		19	1212	27.05	19	26.17	155	18.55	10.72	2.1		1.4	19	3	97	.15	2	1.0	0.6	18	INT L
		19	1212	48.77	19	19.44	155	10.91	5.37			1.6	34	3	99	.10	5	0.4	1.2	32	SF3
		19	1224	41.93	19	25.51	155	16.20	13.19	2.1	2.3	1.4	15	2	126	.21	2	2.2	1.3	3	DEP L
		19	1240	45.09	19	23.42	155	17.61	7.66	2.3	2.9	1.5	17	5	157	.13	1	0.8	0.6	4	INT L
		19	1257	3.75	19	25.10	155	18.43	10.20	2.4	2.8	1.5	18	3	71	.13	2	1.0	0.7	6	INT L
		19	1318	6.70	19	25.02	155	17.53	9.08	2.3		1.5	14	3	87	.20	1	1.4	1.2	4	INT L
		19	1321	20.06	19	18.59	155	13.34	5.06		1.5	1.6	31	0	82	.12	3	0.4	1.3	24	SF2
		19	1345	44.18	19	25.76	155	18.06	6.27	2.1	2.7	1.5	12	2	85	.10	1	1.0	1.1	2	INT L
		19	14	7	55.16	19	23.61	155	17.51	9.54	2.4	2.7	1.5	18	6	95	.14	1	1.0	0.7	4	INT L
		19	1425	48.12	19	24.07	155	17.91	6.30	2.3	2.7	1.6	18	4	92	.09	2	0.4	0.8	1	INT L
		19	1446	28.16	19	24.89	155	17.36	10.05	2.4	2.9	1.6	19	4	76	.15	1	0.7	0.9	0	INT L
		19	15	1	47.70	19	26.13	155	16.48	11.75	2.6	3.7	1.6	19	5	131	.23	2	1.6	1.1	6	INT L
		19	1511	24.33	19	24.88	155	15.27	2.58	1.5	1.6	1.2	6	0	178	.07	2	0.8	1.7	0	SNC L
		19	1520	55.18	19	25.41	155	15.71	8.45	2.1		1.4	12	2	140	.13	2	1.3	1.4	0	INT L
		19	1535	37.96	19	27.26	155	14.92	9.89	2.1	2.7	1.3	16	5	223	.12	5	1.5	1.2	1	INT L
		19	1542	30.14	19	27.99	155	15.32	1.12	1.6	1.8	1.2	11	3	270	.04	6	0.6	0.9	1	SNC L
		19	1548	21.03	19	24.65	155	17.57	8.68	2.0		1.3	13	3	86	.13	1	1.3	1.0	3	INT L
		19	1556	1.43	19	20.68	155	21.70	7.23	2.1	2.6	1.4	8	2	291	.08	10	2.2	6.5	3	SWR L
		19	16	0	25.76	19	26.02	155	16.72	11.01	2.0	2.1	1.2	13	4	187	.13	2	2.7	0.7	3	INT L
		19	16	6	10.67	19	25.84	155	15.12	8.05	1.9	2.2	1.3	11	3	184	.06	3	0.9	1.7	4	INT L
		19	1614	38.41	19	24.26	155	17.87	6.28	1.9	2.4	1.3	15	2	117	.10	2	0.7	0.6	7	INT L
		19	1619	48.39	19	25.41	155	15.97	11.45	2.0	1.9	1.3	14	4	178	.09	2	1.9	0.6	2	INT L
		19	1629	4.46	19	24.58	155	17.00	10.81	2.1	2.8	1.4	16	6	98	.16	1	1.6	0.9	2	INT L
		19	1636	41.53	19	27.50	155	15.47	15.47	2.2	2.4	1.5	10	3	273	.13	5	3.6	1.0	0	DEP L
		19	1646	19.26	19	24.21	155	17.95	4.86	1.9	2.8	1.4	12	0	120	.08	2	0.5	0.8	2	SSC L
		19	1649	3.08	19	25.43	155	15.88	10.50	2.0	2.5	1.2	12	3	208	.09	2	2.1	0.9	2	INT L
		19	1655	29.18	19	25.33	155	16.58	8.52	2.3	3.2	1.5	21	5	77	.09	1	0.5	0.4	18	INT L
		19	17	6	32.78	19	24.54	155	16.24	8.74	2.0	2.3	1.2	20	3	92	.13	1	0.8	0.6	17	INT L
		19	1710	18.03	19	25.24	155	16.31	10.49	2.0		1.3	21	4	113	.14	1	0.9	0.6	17	INT L
		19	1711	8.63	19	19.58	155	11.62	8.70	2.0	2.5	2.1	40	3	93	.11	6	0.4	0.5	30	SF3
		19	1720	42.99	19	24.35	155	17.55	11.15	1.9	2.3	1.2	14	2	84	.12	1	1.1	1.1	14	INT L
		19	1727	3.12	19	24.42	155	16.44	9.13	2.0	2.7	1.4	18	2	85	.11	1	0.7	0.6	18	INT L
		19	1733	32.48	19	23.83	155	18.45	9.75	2.0	2.7	1.4	19	4	55	.11	2	0.7	1.0	16	INT L
		19	1737	47.75	19	25.60	155	16.35	10.87	1.9	1.9	1.1	20	5	172	.11	2	1.0	0.5	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	OCT	19	1742	54.09	19	24.77	155	16.83	11.22	1.8	1.7	1.2	21	4	90	.14	0	0.9	0.8	17	INT	L
		19	1751	48.83	19	25.13	155	16.89	11.46	2.1	2.6	1.4	21	4	96	.12	0	0.9	0.7	17	INT	L
		19	1756	17.36	19	24.64	155	17.84	10.35	1.8	2.1	1.1	14	3	117	.15	1	1.2	0.7	11	INT	L
		19	1759	7.51	19	23.49	155	2.94	8.34	2.4	2.9	2.1	55	9	112	.13	3	0.4	0.3	48	SF5	L
		19	18	2 58.88	19	25.55	155	15.59	8.04	1.9	2.4	1.5	17	4	150	.08	3	0.8	0.4	15	INT	L
		19	18	8 54.32	19	24.49	155	16.13	7.29	1.9	2.4	1.3	22	4	91	.09	1	0.5	0.5	18	INT	L
		19	1817	26.40	19	24.92	155	18.15	11.80	2.2	2.8	1.4	20	3	66	.14	1	0.8	0.8	17	INT	L
		19	1822	51.94	19	25.61	155	16.03	9.73	2.0	2.5	1.3	20	3	135	.12	2	0.9	0.5	17	INT	L
		19	1829	40.59	19	23.71	155	17.65	7.52	2.0	2.5	1.3	19	4	78	.12	1	0.6	0.9	17	INT	L
		19	1835	46.88	19	25.03	155	17.62	10.96	2.1	2.8	1.3	18	3	79	.12	1	0.9	0.7	17	INT	L
		19	1845	23.26	19	25.06	155	17.55	10.18	2.1	2.7	1.4	21	4	81	.13	1	0.8	0.7	17	INT	L
		19	1858	51.76	19	25.00	155	17.01	9.72	2.1	2.7	1.4	22	5	91	.12	0	0.8	0.6	17	INT	L
		19	19	6 38.44	19	23.93	155	18.56	9.89	2.2	2.9	1.4	19	4	52	.14	3	0.7	1.1	16	INT	L
		19	1915	3.91	19	25.88	155	16.23	8.89	2.2	2.7	1.5	20	4	135	.13	2	0.9	0.5	17	INT	L
		19	1920	22.34	19	24.08	155	17.38	10.51	2.0	2.5	1.2	20	3	55	.11	1	0.7	0.9	17	INT	L
		19	1926	31.40	19	25.00	155	17.87	8.47	2.1	2.6	1.3	21	4	67	.14	1	0.7	0.7	17	INT	L
		19	1933	22.12	19	24.23	155	17.95	10.55	2.2	2.8	1.4	20	4	52	.13	2	0.8	1.0	16	INT	L
		19	1939	48.47	19	24.82	155	17.28	10.81	1.9	2.5	1.3	19	4	67	.11	1	0.9	0.7	17	INT	L
		19	1947	13.53	19	24.58	155	17.30	10.75	2.1	2.6	1.4	20	4	46	.13	1	0.8	0.8	17	INT	L
		19	1954	3.81	19	24.83	155	18.73	7.58	2.4	3.5	1.5	19	4	119	.11	2	0.7	0.7	17	INT	L
		19	20	1 9.62	19	25.15	155	17.53	9.00	1.8	2.1	1.2	16	4	82	.14	0	1.1	0.6	12	INT	L
		19	20	4 11.67	19	26.72	155	14.93	9.66	1.7	2.1	1.2	17	4	214	.13	4	1.3	0.8	15	INT	L
		19	2010	41.13	19	26.27	155	15.62	9.60	2.1	2.4	1.4	20	2	160	.10	3	0.8	0.6	18	INT	L
		19	2016	10.87	19	23.82	155	16.51	10.17	2.1	2.6	1.4	22	4	69	.16	0	0.8	0.7	18	INT	L
		19	2021	3.06	19	24.60	155	16.73	9.50	2.1	2.6	1.3	20	4	87	.11	1	0.7	0.6	17	INT	L
		19	2026	0.93	19	23.60	155	16.98	9.82	2.1	2.6	1.3	17	2	50	.10	0	0.8	1.0	16	INT	L
		19	2030	43.56	19	25.54	155	15.91	10.19	2.0	2.4	1.3	20	4	137	.12	2	1.0	0.6	16	INT	L
		19	2037	6.35	19	24.59	155	16.42	11.26	2.1	2.7	1.4	21	4	91	.11	1	0.8	0.7	17	INT	L
		19	2043	31.49	19	25.65	155	14.82	8.09	2.1	2.5	1.3	20	3	190	.10	2	0.9	0.7	17	INT	L
		19	2049	24.91	19	24.59	155	16.17	11.90	2.1	2.6	1.4	20	4	95	.11	1	0.9	0.5	17	INT	L
		19	2056	28.58	19	26.28	155	14.59	8.89	2.1	2.7	1.4	22	5	211	.13	3	1.0	0.7	17	INT	L
		19	21	4 28.84	19	24.80	155	16.91	11.68	2.3	2.8	1.5	22	4	88	.12	0	0.8	0.6	18	INT	L
		19	21	9 57.82	19	22.98	155	18.39	9.74	2.0	2.6	1.3	19	4	58	.12	3	0.6	1.2	16	INT	L
		19	2119	51.35	19	24.98	155	16.28	10.97	2.1	2.8	1.5	20	3	106	.15	1	1.0	0.7	17	INT	L
		19	2129	52.60	19	25.41	155	16.07	11.54	2.1	2.6	1.3	20	4	127	.09	2	0.9	0.5	17	INT	L
		19	2137	56.35	19	25.84	155	15.50	8.57	1.9	2.3	1.2	18	3	165	.15	3	1.0	0.8	17	INT	L
		19	2145	17.46	19	25.78	155	14.65	8.75	2.1	2.5	1.4	22	5	198	.13	2	1.0	0.7	17	INT	L
		19	2153	58.60	19	24.86	155	16.62	12.18	2.1	2.4	1.3	21	4	95	.10	1	0.9	0.7	17	INT	L
		19	22	2 40.39	19	24.62	155	16.30	12.00	2.2	2.5	1.4	22	4	94	.13	1	0.9	0.6	18	INT	L
		19	2214	23.46	19	26.38	155	12.43	8.90	2.0	2.1	1.5	19	4	285	.10	8	1.3	1.0	16	GLN	L
		19	2229	12.04	19	23.82	155	17.15	11.78	2.2	2.8	1.5	21	5	65	.08	1	0.8	0.7	17	INT	L
		19	2233	11.31	19	25.87	155	15.71	11.15	2.0	2.0	1.1	16	3	167	.11	3	1.1	0.7	13	INT	L
		19	2241	24.35	19	25.68	155	15.72	11.15	2.2	2.8	1.4	19	3	150	.12	3	1.1	0.6	17	INT	L
		19	2250	26.55	19	25.43	155	17.34	12.95	2.2	2.9	1.4	17	3	105	.09	0	1.0	0.7	16	INT	L
		19	2258	6.41	19	25.12	155	16.50	11.96	2.2	2.7	1.5	21	3	105	.12	1	0.9	0.6	18	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	OCT	19	23	6 15.49	19	25.94	155	14.84	10.02	2.1	2.6	1.5	17	2	196	.08	2	1.0	0.7	16	INT	L
		19	2312	29.41	19	25.07	155	15.85	10.83	2.1	1.9	1.3	21	4	121	.11	2	0.9	0.5	17	INT	L
		19	2320	54.21	19	25.99	155	14.09	9.18	2.1	2.7	1.4	19	3	243	.10	2	1.1	0.8	15	INT	L
		19	2325	55.95	19	25.02	155	16.51	12.09	2.0	2.3	1.3	19	4	102	.10	1	0.9	0.6	16	INT	L
		19	2332	21.05	19	26.28	155	14.17	6.23	2.0	2.7	1.3	20	3	221	.16	3	0.8	1.0	17	INT	L
		19	2339	27.31	19	25.99	155	15.52	11.06	2.1	2.8	1.4	19	3	170	.11	3	1.1	0.6	16	INT	L
		19	2343	25.79	19	25.56	155	15.62	10.66	2.1	2.4	1.3	18	3	149	.09	3	1.0	0.5	15	INT	L
		19	2349	54.39	19	25.09	155	14.86	9.99	2.0	2.4	1.3	18	4	160	.11	1	1.0	0.6	16	INT	L
		19	2354	21.06	19	26.89	155	13.73	6.14	2.0	2.6	1.4	19	3	244	.18	4	1.0	1.6	16	GLN	L
		20	0	0 16.82	19	25.93	155	15.54	11.17	2.1	2.7	1.4	20	3	167	.08	3	0.9	0.5	17	INT	L
		20	0	4 47.78	19	27.22	155	16.70	9.23	2.0	2.7	1.4	12	2	137	.21	1	2.0	0.9	5	INT	L
		20	0	9 41.09	19	26.37	155	14.48	8.40	2.0	2.8	1.4	21	4	215	.10	3	1.0	0.7	17	INT	L
		20	021	35.60	19	26.36	155	14.93	10.01	2.1	2.7	1.5	20	3	204	.08	3	1.0	0.7	17	INT	L
		20	024	39.55	19	26.12	155	17.74	14.06	2.3	2.2	1.5	13	4	176	.11	1	2.3	1.0	4	DEP	L
		20	030	31.66	19	24.09	155	17.64	9.48	2.2		1.4	19	4	83	.18	2	0.8	0.9	6	INT	L
		20	034	51.79	19	24.36	155	17.32	11.05	2.1		1.4	15	3	94	.10	1	1.4	0.9	3	INT	L
		20	038	11.38	19	23.51	155	17.56	8.67	2.0		1.3	17	4	87	.15	1	0.8	1.3	4	INT	L
		20	041	50.27	19	24.38	155	19.56	12.07	2.1	2.6	1.3	13	3	151	.16	1	1.9	0.9	6	KAO	L
		20	043	45.46	19	24.64	155	18.70	10.06	2.1	2.9	1.2	11	2	164	.10	2	1.7	1.2	1	INT	L
		20	048	37.02	19	26.50	155	14.30	6.08	2.1	2.7		15	2	223	.14	3	1.1	1.3	14	INT	L
		20	051	21.84	19	25.15	155	17.59	5.90	1.7	2.6	1.3	15	3	81	.10	0	0.6	0.7	1	INT	L
		20	054	2.87	19	24.92	155	17.85	9.63	2.0	2.3	1.2	17	3	66	.12	1	0.7	0.9	4	INT	L
		20	057	28.34	19	26.12	155	17.68	8.84	1.9	2.1	1.2	13	4	91	.12	1	1.2	1.0	3	INT	L
		20	1	1 11.86	19	23.94	155	17.62	11.32	2.1	2.5	1.4	16	6	130	.11	2	1.2	0.8	5	INT	L
		20	1	4 54.04	19	25.83	155	16.24	9.57	2.0	2.6	1.0	10	2	241	.08	2	2.2	0.9	4	INT	L
		20	1	7 29.46	19	25.15	155	17.95	6.79	1.8	2.6	1.1	14	2	70	.08	1	0.7	0.9	3	INT	L
		20	1	9 47.64	19	24.87	155	18.45	6.65	1.9	2.3	1.3	11	2	97	.12	2	0.9	1.1	2	INT	L
		20	113	23.57	19	26.26	155	14.75	6.22	2.0	2.3		15	3	206	.09	3	0.9	1.0	14	INT	L
		20	117	27.65	19	25.89	155	16.49	9.27	2.0	2.7		19	4	125	.16	2	1.1	0.6	16	INT	L
		20	121	52.97	19	25.75	155	16.38	8.50	2.1	2.6		18	3	126	.11	2	0.8	0.7	15	INT	L
		20	126	4.57	19	25.83	155	15.38	9.61	2.1	2.6		18	3	171	.11	3	1.0	0.7	17	INT	L
		20	128	38.11	19	26.23	155	14.99	9.16	2.1	2.6		13	3	198	.12	3	1.2	1.3	10	INT	L
		20	130	42.55	19	27.68	155	15.02	7.24	2.0	2.6		12	4	246	.14	3	1.3	2.3	10	INT	L
		20	134	29.05	19	26.58	155	15.78	9.87	1.9	2.3		13	2	179	.09	3	1.3	0.9	12	INT	L
		20	137	11.44	19	26.53	155	15.84	8.19	2.1	2.7		17	4	160	.14	3	1.1	0.8	15	INT	L
		20	141	42.32	19	26.50	155	16.41	10.08	2.1	2.4		13	4	143	.15	2	1.7	1.0	9	INT	L
		20	147	24.06	19	25.57	155	15.30	7.58	1.9	2.3		11	2	164	.11	2	1.0	1.4	11	INT	L
		20	151	28.65	19	25.89	155	14.85	5.70	1.7	2.2		10	3	199	.09	2	1.1	1.3	7	INT	L
		20	153	0.29	19	25.92	155	15.81	8.85	1.9	2.1		11	3	154	.11	3	1.3	1.7	9	INT	L
		20	156	24.08	19	25.56	155	15.63	10.60	2.2	2.4		11	2	148	.07	3	1.3	1.6	9	INT	L
		20	159	24.40	19	25.22	155	16.97	9.26	2.1	2.6		13	3	96	.09	1	1.2	1.1	10	INT	L
		20	2	4 18.03	19	25.20	155	16.64	10.65	2.0	2.7		16	3	103	.07	1	0.9	1.0	13	INT	L
		20	2	7 40.98	19	25.71	155	15.96	10.68	2.0	2.4		13	4	141	.13	2	1.6	0.9	9	INT	L
		20	212	32.76	19	25.76	155	17.26	9.74	2.1	2.1		18	4	96	.10	1	0.9	0.6	14	INT	L
		20	214	1.28	19	25.31	155	16.79	11.08	1.9	2.4		15	4	103	.11	1	1.5	0.9	11	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	20	216	58.54	19	26.66	155	16.41	10.83	2.1	2.6		15	4	147	.11	2 1.5	0.7	11	INT	L
		20	220	49.95	19	24.09	155	17.56	11.51	2.2	2.4		19	4	79	.12	2 0.8	0.9	15	INT	L
		20	222	55.66	19	22.71	155	30.38	11.56	2.2	2.4		42	1	42	.11	5 0.4	0.4	41	KAO	
		20	224	19.43	19	25.90	155	16.86	10.68	2.0	2.0		14	3	130	.11	2 1.5	0.9	11	INT	L
		20	230	9.67	19	23.26	155	16.66	4.17	1.9	2.1		18	4	79	.11	1 0.4	0.6	16	SSC	L
		20	232	51.36	19	25.93	155	15.74	8.67	1.9	2.2		14	4	149	.07	3 0.9	0.8	11	INT	L
		20	236	0.49	19	22.31	155	14.67	6.19	1.9	2.1		11	2	268	.16	2 1.3	1.8	9	INT	L
		20	237	34.85	19	25.25	155	16.54	11.82	2.1	2.4		17	2	107	.08	1 0.9	0.6	16	INT	L
		20	244	44.00	19	25.90	155	16.16	10.08	1.9	2.6		13	4	139	.11	2 1.2	0.8	10	INT	L
		20	249	7.07	19	26.40	155	15.67	9.41	2.1	2.8		20	4	162	.11	3 0.9	0.7	16	INT	L
		20	251	43.78	19	25.16	155	15.14	7.99	2.0	2.7		19	3	151	.13	2 0.9	0.6	17	INT	L
		20	254	33.76	19	25.62	155	17.16	10.81	2.0	2.4		14	4	129	.10	1 1.4	0.7	10	INT	L
		20	259	23.56	19	25.64	155	16.12	10.55	2.0			19	4	132	.09	2 0.9	0.6	15	INT	L
		20	3	0 26.80	19	22.46	155	30.51	11.29		1.2		25	1	36	.12	5 0.4	0.7	25	KAO	
		20	3	1 45.02	19	25.67	155	15.52	10.11	1.9			12	3	158	.09	3 1.4	0.9	9	INT	L
		20	3	2 33.88	19	27.31	155	14.96	3.78	2.0	2.5		18	4	210	.18	3 0.8	1.3	15	SNC	L
		20	3	4 50.36	19	26.25	155	16.62	5.05	1.8	2.2		15	2	125	.13	2 0.7	0.9	14	INT	L
		20	3	7 45.16	19	25.62	155	16.54	10.73	2.0	2.1		13	4	117	.07	2 1.4	0.8	9	INT	L
		20	313	2.46	19	27.08	155	16.28	10.50	1.8	1.7		12	3	170	.12	1 1.6	0.9	9	INT	L
		20	315	48.23	19	26.89	155	14.86	3.92	1.7			12	4	229	.11	4 0.6	1.3	9	SNC	L
		20	418	45.74	19	26.91	155	28.66	10.78	2.1	1.6		41	5	44	.12	7 0.3	0.6	36	KAO	
		20	457	58.87	19	21.28	155	24.69	14.06	1.9	1.6		36	3	46	.11	3 0.4	0.4	33	DEP	
		20	1454	45.45	19	25.35	155	15.87	15.57	1.9	1.4	1.2	20	3	131	.12	2 1.2	0.8	17	DEP	L
		20	16	6 6.00	19	24.27	155	16.28	12.34	2.0	1.6	1.4	21	4	83	.10	1 0.8	0.7	17	INT	L
		20	2041	9.26	19	24.46	155	16.72	11.41	1.9	1.5	1.2	23	4	84	.12	1 0.8	0.5	19	INT	L
		20	2248	26.92	19	24.98	155	16.53	14.22	1.9	1.6	1.4	20	4	100	.11	1 1.0	0.7	19	DEP	L
		20	2315	49.19	19	24.91	155	16.05	2.27	1.6	1.4	1.3	23	6	108	.11	2 0.3	0.2	17	SNC	
		21	135	8.27	19	25.06	155	16.18	12.97	2.1	1.5	1.4	21	2	111	.09	1 0.8	0.6	20	INT	L
		21	224	49.31	19	17.56	155	27.55	10.53	2.9	3.1	3.0	55	7	49	.14	6 0.3	0.4	51	LSW	
		21	343	22.28	19	26.48	155	15.01	10.15	1.9	1.4	1.4	22	4	182	.13	4 1.0	0.8	18	INT	L
		21	622	3.85	19	23.70	155	17.01	13.64	2.1	1.6	1.4	25	2	52	.15	1 0.8	0.6	24	DEP	L
		21	737	52.87	19	26.30	155	15.59	0.03	2.1	2.0	1.7	29	5	145	.17	3 0.3	0.6	24	SNC	*
		21	828	13.18	19	17.98	155	30.77	9.18	2.4	2.7	2.2	54	6	43	.14	5 0.3	0.5	48	LSW	
		21	1351	27.88	19	19.45	155	15.52	7.21	0.9	1.4	1.5	36	4	97	.13	3 0.4	0.5	34	SF1	
		21	1423	49.24	19	20.51	155	6.07	8.48	0.8	1.3	1.5	29	3	109	.13	6 0.6	0.7	26	SF4	
		21	1732	39.36	19	22.84	155	3.57	8.56	1.7	1.7	1.8	44	5	105	.14	3 0.4	0.3	40	SF5	
		21	1829	6.70	19	24.54	155	16.11	15.31		1.3	1.2	33	3	67	.10	1 0.6	0.3	30	DEP	
		21	2356	33.34	19	22.39	155	21.59	28.65		1.8	1.6	41	4	49	.14	4 0.6	0.7	40	DML	
		22	6	5 4.62	19	23.94	155	26.72	10.66		1.2	1.2	34	4	35	.11	3 0.4	0.5	31	KAO	
		22	813	40.77	19	19.25	155	9.41	7.23	1.5	1.7	1.7	35	2	96	.10	4 0.4	0.7	23	SF3	
		22	1349	29.72	19	21.96	155	28.82	10.01	2.3	2.7	2.2	52	8	37	.11	2 0.3	0.6	36	KAO	
		22	1622	18.97	19	22.12	155	5.50	5.57	0.8	1.2	1.3	24	1	74	.14	4 0.5	1.4	16	SF4	
		22	1836	36.44	19	19.87	155	12.52	6.98	1.7	1.7	1.5	35	5	78	.11	5 0.4	0.7	22	SF2	
		22	1931	5.21	19	19.15	155	13.63	8.42	1.7	1.9	1.7	42	4	67	.11	4 0.4	0.6	25	SF2	
		22	1944	39.60	19	21.93	155	12.69	3.27	1.6	1.5	1.4	25	3	56	.04	1 0.3	0.2	14	SER	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	23	140	45.93	19	20.25	155	7.34	8.27	2.2	2.6	2.1	50	10	98	.12	5 0.3	0.3	48	SF4	
		23	328	37.00	20	0.86	155	25.76	9.28	2.2	1.6	1.8	27	5	215	.12	17 0.8	0.6	24	KEA	
		23	339	13.30	19	49.18	156	29.53	46.00		2.6	2.0	17	2	314	.15	70 3.2	3.8	15	DIS	
		23	843	37.85	19	18.21	155	13.32	7.33	1.8	2.0	1.8	39	3	88	.12	2 0.4	0.7	30	SF2	
		23	1147	24.12	19	23.31	155	27.91	4.20	1.5	1.2	1.0	13	2	94	.11	2 0.6	0.5	9	KAO	
		23	1457	1.36	19	18.42	155	13.23	6.72	1.4	2.0	1.6	38	3	88	.11	3 0.4	0.8	24	SF2	
		23	1537	8.34	19	29.30	155	27.07	6.10	2.2	2.0	1.7	32	4	82	.11	5 0.3	1.1	22	KAO	
		23	2253	2.91	19	18.33	155	12.95	6.65	1.5	1.5	1.3	30	7	100	.13	3 0.4	0.7	27	SF2	
		24	024	34.89	19	18.99	155	10.35	4.01		1.1	1.4	28	5	112	.12	5 0.3	1.3	29	SSF	
		24	033	34.08	19	56.75	155	31.60	33.87	3.3	3.5	2.8	62	10	159	.13	17 0.6	0.6	53	KEA	
		24	552	46.53	19	20.13	155	8.33	6.38		1.2	1.2	34	5	80	.16	4 0.4	0.8	29	SF4	
		24	653	58.02	19	24.44	155	16.52	1.04	1.8	1.9	1.3	24	7	85	.12	1 0.2	0.2	17	SSC	L
		24	1535	8.97	19	22.87	155	30.62	9.68		1.4	1.3	26	2	49	.09	5 0.4	0.7	19	KAO	
		24	1956	40.60	19	20.36	155	11.68	8.71	1.8	1.7	1.7	28	3	193	.09	5 0.8	0.6	19	SF3	
		24	23	7 36.46	19	23.66	155	16.69	3.18	2.3	2.8	2.6	40	5	42	.11	0 0.3	0.2	36	SSC	
		25	0	2 30.72	19	19.28	155	8.41	5.32	1.6	1.3	1.4	30	5	205	.15	6 0.8	2.2	26	SF4	
		25	531	26.87	19	21.19	155	11.94	8.67	1.7	1.7	1.6	34	4	161	.12	3 0.7	0.5	32	SF3	
		25	1412	16.80	19	24.73	155	13.65	36.58	2.2	2.5	1.6	25	4	209	.08	4 1.3	1.1	9	DEP	L
		26	433	29.30	19	27.17	154	49.60	9.76	2.5	2.6	2.2	37	1	256	.11	3 1.2	0.4	38	LER	
		26	1025	17.69	19	19.88	155	11.34	8.27	2.0	2.2	1.9	34	4	88	.11	5 0.5	0.7	34	SF3	
		26	2044	28.37	19	24.06	155	26.92	10.36	2.0	1.9	1.7	44	4	26	.12	3 0.3	0.5	35	KAO	
		27	1357	38.29	19	23.43	155	29.91	9.67	2.7	3.2	2.7	52	5	32	.12	4 0.3	0.5	40	KAO	
		27	1434	25.61	19	19.79	155	8.71	7.57	1.6	1.2	1.4	26	3	76	.07	5 0.4	0.8	24	SF4	
		28	148	32.31	20	21.31	155	56.88	39.98	2.7	2.0	2.0	30	4	317	.09	31 1.3	0.4	32	KOH	
		28	853	20.09	19	44.84	155	1.70	29.35	2.4	2.0	1.9	49	5	252	.11	5 1.2	1.5	46	HIL	
		28	1053	23.33	19	26.16	155	19.41	4.96	1.8	1.1	1.0	25	6	97	.11	3 0.4	0.8	19	KAO	
		28	1053	59.85	19	26.04	155	19.54	5.04	2.2	2.1	1.4	25	4	92	.12	4 0.4	1.0	21	KAO	
		28	1319	31.56	19	27.19	154	53.26	5.66	2.0	1.6	1.6	21	2	159	.11	4 0.7	1.2	19	LER	
		28	1517	52.04	20	3.04	155	47.93	18.58	2.4	2.2	1.7	25	6	188	.14	9 1.3	1.6	20	KOH	
		28	1523	33.03	19	20.85	155	6.72	8.20	2.5	3.2	2.7	50	8	95	.11	5 0.4	0.6	42	SF4	
		28	17	7 49.08	19	21.83	155	4.81	8.31		1.2	1.4	26	6	77	.12	5 0.5	0.8	20	SF5	
		28	2243	0.30	19	11.32	155	27.96	3.93	1.8	1.5	1.5	27	0	105	.15	3 0.6	1.9	19	LSW	
		28	2312	52.42	19	23.13	155	2.42	7.20	1.7	1.7	1.6	35	3	129	.13	4 0.5	0.5	17	SF5	
		28	2353	39.48	19	27.98	155	5.40	38.43	2.4	2.8	2.4	62	13	58	.12	5 0.5	0.7	40	DEP	
		29	051	57.48	19	20.66	155	7.60	5.69	1.6	1.1	1.4	23	1	87	.13	5 0.5	1.2	11	SF4	
		29	248	32.17	19	21.76	155	12.06	2.85	1.3	1.1	1.0	15	2	116	.06	2 0.6	0.4	8	SER	
		29	625	8.93	19	33.58	156	3.47	9.07	2.4	1.6	1.4	17	0	269	.11	17 3.1	0.7	7	KON	
		29	1029	42.11	19	58.55	155	19.14	9.39	2.2	2.0	1.7	20	1	209	.09	10 1.1	0.6	13	KEA	
		29	1122	47.41	19	22.74	155	26.69	10.42	2.6	2.9	2.6	55	10	35	.11	2 0.3	0.4	41	KAO	
		29	1224	6.97	19	20.20	155	6.12	8.10	0.9	1.4	1.4	14	0	117	.05	6 0.7	1.9	12	SF4	
		29	1244	26.30	19	15.18	155	18.27	48.39	2.1	3.1	1.3	19	4	171	.10	5 1.7	0.9	15	DEP	L
		29	1412	20.46	19	19.72	155	7.83	8.15	1.6	1.6	1.4	33	3	96	.11	4 0.4	0.7	30	SF4	
		29	1935	36.69	19	24.98	155	15.78	8.72	1.8	2.1	1.2	21	4	118	.14	2 0.9	0.5	17	INT	L
		29	2319	41.18	19	57.46	155	20.80	9.35	2.1	1.6	1.5	21	3	208	.11	8 0.9	0.4	21	KEA	
		29	2329	4.68	19	55.03	155	56.14	39.04	2.5	2.1	1.7	33	5	217	.15	27 1.2	0.8	29	KOH	

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	OCT	30	2 3	50.63	19	23.67	155	17.90	8.06	2.0	2.4	1.3	21	4	49	.13	2	0.5	0.8	18	INT L
		30	416	31.11	19	24.87	155	18.00	12.42	2.1	2.4	1.4	19	4	81	.10	1	0.8	0.7	17	INT L
		30	441	57.71	19	27.11	155	14.04	6.72	1.7	1.7	1.1	15	4	242	.14	5	0.9	1.2	11	INT L
		30	5 6	2.17	19	24.36	155	17.97	11.18	1.9	1.9	1.0	19	3	56	.12	2	0.8	0.9	16	INT L
		30	611	7.16	19	23.16	155	18.21	9.78	2.0	2.1	1.2	20	3	57	.14	2	0.6	1.0	18	INT L
		30	647	26.26	19	24.26	155	16.79	8.05	2.1	2.2	1.3	19	2	78	.12	1	0.6	0.6	17	INT L
		30	735	55.61	19	26.53	155	15.32	7.34	1.8	2.0	1.1	19	7	196	.09	3	0.6	0.9	13	INT L
		30	8 8	48.68	19	19.16	155	7.46	3.75	1.6	1.7	1.6	32	6	115	.12	3	0.4	1.1	30	SSF
		30	825	35.72	19	25.80	155	15.58	7.65	1.9	2.2	1.2	20	8	160	.09	3	0.6	0.8	13	INT L
		30	939	16.55	19	28.18	155	26.96	8.34	2.6	2.4	2.0	47	7	49	.12	6	0.3	0.7	43	KAO
		30	956	37.32	19	26.00	155	17.11	5.88	1.8	2.2	1.2	12	1	180	.12	1	1.0	1.3	1	INT L
		30	1152	7.98	19	25.59	155	16.88	8.46	2.1	2.6	1.6	13	0	106	.15	1	1.0	2.2	1	INT L
		30	1235	2.86	19	24.49	155	18.13	14.06	2.1	2.3	1.3	12	4	189	.26	2	5.0	1.5	2	DEP L
		30	1242	14.81	19	27.68	155	17.40	15.06	2.2	2.4	1.4	6	1	267	.02	1	3.1	1.2	2	DEP L
		30	13 6	55.70	19	27.19	155	17.15	7.32	1.8	2.1	1.3	10	4	248	.15	3	1.3	0.9	1	INT L
		30	1335	10.70	19	26.29	155	15.01	6.78	1.7	1.7	1.2	12	5	199	.09	3	0.9	1.4	1	INT L
		30	1535	15.91	19	24.36	155	17.57	6.72	1.9	2.2	1.2	15	2	75	.15	1	0.9	1.3	1	INT L
		30	1636	28.95	19	25.77	155	18.07	5.10	1.4	1.7	1.1	10	1	160	.08	1	0.9	0.9	1	INT L
		30	19 9	43.31	19	20.05	155	11.53	7.34	1.8	1.8	1.8	41	1	84	.14	5	0.5	0.8	33	SF3
		30	2353	59.25	19	57.46	155	20.37	9.75	2.1	1.8	1.6	26	3	217	.10	8	0.8	0.3	24	KEA
		31	122	56.26	19	20.82	155	51.64	8.63	2.1	1.3	1.7	39	4	152	.19	9	0.6	0.6	35	KON
		31	418	39.13	19	20.06	155	7.71	7.94	1.6	1.9	1.6	41	3	94	.13	5	0.5	0.4	43	SF4
		31	8 6	59.95	19	27.03	155	13.94	2.70	1.4	1.9	1.0	14	1	242	.11	4	0.8	1.0	13	GLN L
		31	1030	9.50	19	54.94	155	19.78	9.32	2.3	2.2	1.8	20	2	284	.11	3	0.9	0.5	15	KEA L
		31	1713	44.29	19	19.07	155	8.50	9.16		1.4	1.4	23	2	84	.05	3	0.9	1.5	16	SF4
		31	1949	7.45	19	32.94	155	37.16	10.33	2.7	2.8	2.3	50	7	72	.13	4	0.3	0.4	36	MLO
		31	1959	54.11	19	32.17	155	57.86	9.69	2.4	2.2	2.0	28	4	240	.16	7	1.0	0.6	11	KON F
		31	2139	25.02	19	25.45	155	38.57	6.60	1.9	2.0	1.2	14	4	186	.14	5	0.8	1.1	12	MLO
		31	2211	47.77	18	58.89	155	25.54	32.72	2.1	1.8	1.8	45	3	226	.12	20	1.2	0.9	44	DLS
		31	2236	25.29	19	24.95	155	16.22	9.68	1.7	2.3	1.1	19	2	106	.11	1	0.8	0.6	17	INT L
		31	23 7	42.82	19	19.93	155	12.85	8.60	1.9	2.0	1.8	54	8	73	.11	5	0.4	0.3	47	SF2
	NOV	1	145	17.13	19	35.03	155	58.23	3.84	2.4	2.3	2.0	39	4	247	.24	12	1.1	1.8	39	KON
		1	519	15.34	19	25.62	155	14.73	3.99	1.7		1.2	19	2	167	.15	2	0.6	0.8	17	SNC L
		1	950	11.54	19	19.69	155	6.77	7.21	1.6	1.7	1.6	41	5	120	.13	5	0.4	0.6	38	SF4
		1	16 1	24.01	19	23.35	155	16.38	14.18	2.0	1.8	1.2	16	4	77	.28	1	2.1	1.8	1	DEP L
		1	1919	25.71	19	24.20	155	16.51	10.16	1.7	2.1	1.2	7	0	109	.02	1	1.6	5.8	0	INT L
		1	1933	19.72	19	20.18	155	6.76	8.46	2.2	2.7	2.5	48	2	108	.11	6	0.4	0.5	38	SF4
		1	2349	15.45	19	25.44	155	16.59	9.94	1.9		1.3	20	3	110	.12	1	0.9	0.6	17	INT L
		2	024	40.64	19	14.55	155	4.93	43.09	2.1	1.7	1.9	52	5	212	.12	7	1.3	0.6	48	DEP
		2	2 3	59.89	19	17.34	155	29.38	10.28	2.9	3.5	3.0	51	3	54	.14	4	0.4	0.4	50	LSW F
		2	3 0	30.88	19	24.83	155	16.73	7.38	2.0		1.3	19	3	92	.12	0	0.6	0.5	16	INT L
		2	3 1	12.37	19	25.00	155	17.07	11.00	2.1		1.2	18	4	89	.10	0	0.8	0.5	15	INT L
		2	420	5.59	19	20.78	155	12.57	7.97	1.8	2.1	1.8	47	4	137	.14	4	0.5	0.4	47	SF2
		2	5 3	3.46	19	25.58	155	15.11	8.99	1.9		1.3	18	3	173	.11	2	0.9	0.7	15	INT L
		2	514	31.63	19	25.24	155	14.84	7.05	1.6	1.7	1.1	18	4	173	.15	1	1.0	0.8	14	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	2	516	6.16	19	25.41	155	15.89	9.03	1.5	1.6	1.0	17	3	133	.11	2	0.8	0.4	15	INT L
		2	529	16.66	19	25.91	155	15.11	10.10	1.9		1.2	18	3	187	.13	3	1.1	0.7	15	INT L
		2	554	20.01	19	21.04	155	6.91	9.17	3.3		3.5	55	7	89	.12	4	0.5	0.4	50	SF4
		2	555	42.97	19	20.39	155	6.60	7.01	2.4	2.9	2.5	47	4	106	.13	6	0.4	0.6	44	SF4 F
		2	639	55.55	19	24.78	155	16.18	11.63	2.1	2.1	1.2	18	3	101	.12	1	0.8	0.6	16	INT L
		2	1029	31.81	19	19.81	155	7.15	6.63	1.9	1.9	1.8	45	8	109	.10	5	0.3	0.6	41	SF4
		2	2136	0.10	19	26.47	155	30.09	9.81	2.1	1.8	1.6	46	5	40	.12	9	0.3	0.5	43	KAO
		3	020	49.93	19	23.12	155	14.61	3.24	1.9	1.5	1.4	32	6	48	.11	3	0.3	0.3	26	SEC
		3	451	56.44	19	25.42	155	16.51	12.05	1.7	2.2	1.4	23	3	68	.12	1	0.6	0.6	21	INT L
		3	554	4.46	19	11.25	155	26.85	7.87	2.1	1.7	1.8	42	4	138	.14	4	0.4	0.4	39	LSW
		3	7 1	11.96	19	22.27	155	2.58	9.05	2.8		3.0	59	6	124	.11	4	0.5	0.3	53	SF5
		3	1931	27.78	19	20.06	155	6.51	4.89	1.4	1.2	1.6	42	10	115	.14	6	0.3	1.5	37	SSF
		3	22 9	8.18	19	59.96	155	26.62	8.22	3.0	3.0	3.0	52	8	196	.12	16	0.4	0.6	49	KEA
		4	856	40.31	19	47.54	156	17.01	35.88	3.2	2.6	2.4	48	7	270	.15	48	1.1	1.5	43	HUA
		4	2121	19.47	19	22.25	155	2.44	5.93	0.8	1.1	1.5	33	7	136	.20	4	0.5	0.9	26	SF5
		5	1012	29.00	19	19.65	155	8.58	7.62	2.0	2.3	2.0	44	5	78	.11	4	0.4	0.6	34	SF4
		5	1432	21.57	19	13.40	155	29.98	12.40	1.8	1.3	1.5	23	2	125	.07	3	0.4	0.5	14	LSW
		5	1639	34.26	19	20.75	155	12.98	8.31	1.9	2.0	1.7	40	5	63	.11	3	0.4	0.5	33	SF2
		5	19 7	36.06	19	16.19	155	27.80	7.65	1.4	1.6	1.6	32	1	64	.14	5	0.4	0.9	17	LSW
		6	2 9	45.95	19	20.15	155	11.91	6.77	1.7	1.7	1.7	47	7	80	.12	5	0.3	0.4	41	SF3
		6	520	32.96	19	18.53	155	13.31	8.17	1.8	1.9	1.8	47	6	83	.11	3	0.4	0.4	45	SF2
		6	1246	46.30	19	23.26	155	0.03	6.22	1.8	1.6	1.7	27	3	167	.19	4	0.8	1.4	17	SF5
		6	16 0	29.19	19	21.42	155	4.90	7.29	2.3	2.8	2.5	46	4	87	.12	4	0.4	0.7	35	SF5
		6	1953	35.01	19	19.53	155	9.71	7.30	2.0	2.2	2.1	45	4	93	.11	5	0.4	0.6	28	SF3
		7	856	9.95	20	0.19	155	26.34	8.65	2.2	2.1	2.1	19	2	198	.09	16	1.0	0.7	14	KEA
		7	12 1	46.85	19	20.16	155	6.76	8.48	2.2	1.9	1.9	35	3	108	.09	6	0.4	0.6	20	SF4
		7	1542	19.12	19	19.68	155	7.47	7.66		1.7	1.5	21	1	105	.09	4	0.6	1.2	16	SF4
		7	1816	41.56	19	24.21	155	1.51	7.11	2.0	2.3	1.7	29	3	127	.14	5	0.5	0.8	18	SF5
		7	2039	27.64	19	19.90	155	8.08	8.29	1.6	1.6	1.5	24	2	88	.08	5	0.5	0.9	22	SF4
		7	2218	17.24	19	21.07	155	30.40	9.79	1.7	1.4	1.4	36	4	49	.12	6	0.4	0.5	34	KAO
		8	818	6.57	19	20.77	155	6.36	5.63	1.9	2.2	1.9	34	5	99	.13	5	0.5	1.1	32	SF4
		8	14 9	24.55	19	26.06	155	28.74	10.13	1.6	1.2	1.3	21	1	67	.11	6	0.5	1.4	15	KAO
		8	23 0	25.29	19	28.85	155	44.06	7.44	2.0	1.7	1.5	33	4	103	.12	5	0.5	0.8	31	KON
		9	132	28.67	19	9.29	155	38.03	5.56		1.4	1.4	26	3	107	.13	11	0.5	2.2	24	LSW
		9	555	54.37	19	18.97	155	11.49	4.56	1.5	1.3	1.4	36	5	109	.15	5	0.4	1.9	34	SSF
		9	920	58.74	19	28.41	155	36.45	13.81	2.2	1.5	1.3	31	4	64	.17	2	0.7	0.4	27	DML L
		9	925	0.22	19	28.27	155	36.72	11.58	2.3	2.4	1.2	24	2	96	.13	2	0.6	0.6	22	MLO L
		9	948	19.48	19	28.09	155	36.42	11.15	2.3		0.9	17	3	205	.12	2	1.6	0.9	14	MLO L
		9	13 0	14.67	19	26.22	155	19.40	5.88	2.0	1.3	1.2	20	4	148	.11	3	0.6	1.0	16	KAO
		9	1523	57.00	19	20.86	155	6.97	8.18	2.6	2.7	2.8	50	5	91	.10	5	0.4	0.5	38	SF4
		9	1526	2.15	19	20.97	155	6.93	7.13	2.1	2.4	2.2	41	0	90	.12	5	0.4	0.8	34	SF4
		9	16 2	17.66	19	59.82	155	28.18	36.26		1.9	1.6	30	4	197	.12	18	0.9	1.2	19	KEA
		9	1855	47.79	19	32.63	155	37.62	12.26	1.9	1.3	1.4	24	0	119	.13	5	0.6	0.9	18	MLO
		9	1950	15.96	19	20.86	155	6.21	7.57	0.8	1.3	1.5	32	0	99	.10	5	0.4	0.9	22	SF4
		10	1426	3.52	19	23.09	155	3.44	8.69	1.4	1.2	1.7	41	5	106	.12	3	0.5	0.3	37	SF5

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	NOV	10	20 5	47.74	19	19.84	155	11.62	6.49	1.4	1.5	1.8	48	4	87	.13	5	0.4	0.5	46	SF3	
		10	23 2	36.69	19	18.21	155	12.92	9.21	2.0	2.2	1.8	50	7	104	.13	2	0.4	0.3	44	SF2	
		10	2348	15.25	19	17.35	155	12.78	8.71	1.5	1.2	1.4	36	6	154	.12	1	0.5	0.4	32	SF2	
		11	035	32.41	19	17.75	155	12.93	9.70	2.5	2.6	2.3	53	6	146	.12	9	0.4	0.3	50	SF2	
		11	048	2.33	19	17.20	155	12.94	8.68	2.1	2.1	2.0	46	4	163	.13	1	0.6	0.5	46	SF2	
		11	114	12.23	19	18.09	155	12.77	9.50	2.0	2.0	1.8	46	7	113	.12	2	0.3	0.3	41	SF2	
		11	1015	35.02	19	55.86	156	3.54	31.97	3.4	3.7	3.2	49	4	248	.14	36	1.2	0.9	51	KOH	
		11	1027	39.60	19	28.60	155	27.91	6.99	2.2	1.7	1.4	45	9	40	.13	6	0.3	0.8	37	KAO	
		11	1317	44.51	19	45.78	156	5.04	10.80		2.3	1.8	23	3	278	.16	27	1.5	0.9	21	HUA	
		11	1433	26.77	19	53.43	155	45.72	15.46	1.2	1.8	1.5	19	3	157	.13	11	0.7	0.5	17	HUA	
		11	1929	22.43	20	0.02	155	27.00	8.08	1.2	1.5	1.7	20	4	204	.11	17	1.0	0.7	20	KEA	
		11	1949	38.98	20	1.15	155	26.01	7.97	2.2	2.1	2.0	44	5	203	.12	17	0.5	0.5	40	KEA	
		11	2214	45.17	19	20.28	155	11.39	8.44	1.5	1.2	1.6	38	3	79	.10	4	0.4	0.3	39	SF3	
		11	2324	5.85	20	0.38	155	25.86	9.10	2.2	2.3	2.1	32	0	201	.11	16	0.9	0.6	16	KEA	
		12	1 1	20.09	19	18.16	155	13.28	9.45	1.9	1.8	1.8	35	1	139	.10	8	0.5	0.6	35	SF2	
		12	7 0	39.64	19	10.34	155	39.40	9.47		1.6	1.6	23	2	112	.15	9	0.5	1.4	11	LSW	
		12	821	13.50	19	20.19	155	13.72	7.18	1.4	1.3	1.4	33	2	64	.11	5	0.4	0.8	25	SF2	
		12	850	47.29	19	26.46	154	51.82	8.55	1.6	1.3	1.7	22	0	222	.14	2	1.5	0.6	16	LER	
		12	949	35.10	19	23.02	155	2.91	6.95	1.1	1.4	1.6	30	2	120	.14	3	0.6	0.9	21	SF5	
		12	1728	32.54	19	20.67	155	6.04	7.50	1.2	1.2	1.5	30	2	105	.12	6	0.5	0.7	22	SF4	
		12	2110	52.74	19	21.63	155	6.94	8.84	1.1	1.4	1.5	32	5	79	.11	3	0.5	0.4	31	SF4	
		12	2312	23.59	19	19.62	155	8.74	6.06		1.3	1.3	27	5	79	.08	4	0.3	0.7	25	SF4	
		12	2347	44.30	19	20.53	155	7.30	7.53	2.2	2.8	2.2	47	5	93	.12	5	0.3	0.4	44	SF4	
		12	2350	11.97	19	48.52	155	18.94	31.15	2.5	2.2	2.1	56	10	128	.13	9	0.5	0.7	46	KEA	
		13	1 1	53.43	19	20.80	155	10.82	8.20	1.8	1.8	1.6	43	7	73	.11	3	0.5	0.4	39	SF3	
		13	442	47.46	21	27.81	158	7.41	7.00	2.8	4.0	2.8	11	1	355	.20	308	16.3	16.6	10	DIS	*
		13	1144	25.07	19	19.23	155	15.13	7.79	2.3	2.8	2.4	52	5	86	.12	4	0.3	0.5	47	SF1	
		13	13 7	10.40	19	50.97	155	8.13	41.84	2.7	2.5	2.1	54	8	206	.12	15	0.8	1.1	47	KEA	
		13	1940	46.82	19	20.14	155	11.60	7.76	1.4	1.7	1.5	32	2	81	.11	5	0.5	0.8	24	SF3	
		14	1 4	24.72	19	18.99	155	15.71	6.71	1.4	1.2	1.2	28	2	99	.13	4	0.4	0.9	26	SF1	
		14	156	43.67	19	20.32	155	9.92	7.63	1.5	1.2	1.2	27	4	78	.10	3	0.5	0.7	24	SF3	
		14	520	4.50	19	10.82	155	28.54	31.29	2.0	1.5	1.7	36	2	83	.13	3	0.8	0.8	35	DLS	
		14	645	42.54	19	26.30	155	31.03	12.99	2.5	2.6	2.2	50	5	44	.11	4	0.3	0.2	45	KAO	
		14	727	33.65	19	26.22	155	31.04	13.19		1.5	1.5	35	5	47	.12	4	0.4	0.5	30	DML	
		14	934	41.23	19	46.85	156	3.27	10.51		2.0	1.6	16	2	235	.16	25	2.0	1.5	16	HUA	
		14	1119	5.95	19	19.42	155	11.88	6.13		1.1	1.2	21	3	94	.10	5	0.5	1.3	21	SF3	
		14	1522	57.83	19	19.91	155	7.98	8.20	1.9	2.2	2.0	24	2	89	.08	5	0.5	0.9	23	SF4	
		14	1622	20.29	19	29.21	155	23.71	10.66	1.9	1.4	1.3	32	6	85	.12	1	0.4	0.7	21	KAO	
		14	1824	32.97	19	27.59	154	53.43	4.85		1.2	1.5	24	1	140	.14	3	0.7	1.2	14	SLE	
		14	2257	54.22	19	23.14	155	3.21	8.34	1.9	2.0	1.9	43	2	106	.13	3	0.6	0.5	41	SF5	
		14	2325	33.81	19	24.76	155	29.61	10.33	1.6	1.2	1.5	40	4	33	.12	5	0.3	0.5	38	KAO	
		15	013	23.54	19	17.65	155	14.00	8.79			1.2	24	5	122	.11	1	0.4	0.5	21	SF2	
		15	735	16.17	19	26.69	154	42.80	21.57		1.5	1.6	37	2	311	.09	15	2.3	0.7	36	LER	
		15	1057	37.44	19	24.25	155	16.07	17.05	2.0	2.1	1.9	44	6	64	.09	1	0.4	0.4	37	DEP	
		15	15 2	46.34	19	25.78	155	15.98	10.57	2.0	2.4	1.0	14	3	184	.09	3	1.4	0.9	2	INT	L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	NOV	15	2313	29.36	19	23.70	155	16.35	8.23	1.8	2.4	1.2	21	3	66	.09	1	0.5	0.7	18	INT	L
		16	758	22.61	19	21.86	155	52.52	10.64		1.4	1.3	24	3	278	.12	20	1.7	0.7	21	KON	
		16	857	18.43	19	24.53	155	16.34	7.46	2.1	2.4	1.4	21	3	90	.10	1	0.6	0.6	19	INT	L
		16	859	28.49	19	23.62	155	17.92	9.88			1.1	17	2	65	.12	2	0.7	1.0	15	INT	L
		16	10 6	5.38	19	21.52	155	4.67	6.61	1.3	1.2	1.6	31	6	83	.14	4	0.5	0.8	27	SF5	
		16	1535	34.48	19	23.83	155	18.76	7.72	1.8	2.5	1.4	6	0	145	.03	2	1.7	2.7	2	INT	L
		16	1731	45.74	19	19.95	155	9.90	7.64		1.2	1.3	22	3	85	.07	4	0.5	0.9	16	SF3	
		16	1739	42.20	19	58.48	155	15.15	10.01	2.5	3.1	2.7	41	5	246	.09	13	0.8	0.4	18	KEA	
		16	1854	58.76	19	22.97	155	16.20	2.47	1.4	2.1	1.1	7	0	108	.11	1	0.6	0.6	0	SEC	L
		16	2328	12.50	19	25.07	155	14.56	8.56	2.0	2.2	1.4	20	3	186	.17	1	1.1	0.8	17	INT	L
		17	052	41.20	19	19.93	155	8.38	7.51	1.6	1.5	1.6	41	6	81	.11	5	0.4	0.5	38	SF4	
		17	132	38.71	19	18.60	155	13.47	7.51	1.2	1.2	1.3	32	5	78	.16	3	0.5	0.7	28	SF2	
		17	723	38.98	19	24.56	155	16.24	8.99	2.1	3.0	1.4	15	2	93	.07	1	0.7	0.4	16	INT	L
		17	1232	33.95	19	26.32	155	18.77	1.38	1.4	2.6	1.4	9	0	107	.11	3	0.6	0.6	2	SNC	L
		17	18 0	55.97	19	25.74	155	15.48	7.50	2.0	2.7	1.5	11	3	162	.08	3	1.1	1.5	10	INT	L
		17	1835	6.43	19	19.95	156	1.40	36.70		1.8	1.7	34	6	250	.13	18	1.4	0.9	29	KON	
		17	2121	20.77	19	25.52	155	15.65	5.79	1.7	2.2	1.2	12	3	146	.08	3	0.6	1.3	10	INT	L
		17	2122	35.09	19	23.70	155	16.29	12.28	2.2	2.4	1.5	14	3	67	.14	1	1.5	1.2	13	INT	L
		17	2337	55.12	19	19.95	155	8.20	9.09	2.9	3.5	3.4	54	5	84	.10	5	0.4	0.4	50	SF4	
		18	0 1	13.07	19	20.44	155	11.86	8.14	2.2	2.6	2.0	44	5	75	.13	5	0.4	0.6	40	SF3	
		18	1 8	52.47	19	25.37	155	16.24	8.85	1.9	2.4	1.2	12	2	120	.09	2	1.0	1.4	11	INT	L
		18	234	34.24	19	48.70	155	21.83	18.10	2.0	2.1	1.9	33	6	123	.09	9	0.6	1.4	30	KEA	
		18	325	44.36	19	20.21	155	11.88	9.68	2.5	2.9	2.7	50	5	79	.10	5	0.3	0.4	48	SF3	
		18	458	43.37	19	24.52	155	15.79	6.81	2.0		1.4	13	3	97	.09	2	0.7	1.0	13	INT	L
		18	459	14.21	19	25.62	155	16.43	11.62	2.3	2.7	1.6	13	1	121	.07	2	0.9	1.2	12	INT	L
		18	853	37.33	19	25.88	155	16.03	10.18	1.6	2.6	1.3	12	2	143	.07	2	1.2	1.2	12	INT	L
		18	1131	59.17	19	23.99	155	17.00	9.91	1.8	2.1	1.2	16	4	74	.09	1	1.1	1.0	12	INT	L
		18	1315	17.63	19	19.32	155	8.90	7.19		1.4	1.4	26	6	87	.08	4	0.4	0.8	21	SF4	
		18	1333	25.02	19	25.60	155	15.74	10.38	2.1	2.6	1.4	13	2	146	.07	3	1.0	0.8	11	INT	L
		18	1447	36.99	19	24.70	155	16.35	9.24	2.0	2.2	1.5	14	3	95	.11	1	0.9	1.1	11	INT	L
		18	1623	26.41	19	25.21	155	17.04	10.11	1.8	1.9	1.2	13	2	94	.09	1	1.4	1.1	10	INT	L
		18	18 3	35.08	19	19.97	155	13.39	8.32	1.4	1.8	1.6	27	2	116	.12	5	0.6	0.8	27	SF2	
		18	1822	22.30	19	24.06	155	15.85	2.97	1.2	1.3	1.2	13	4	117	.08	1	0.4	0.6	8	SEC	
		18	1834	28.83	19	25.38	155	17.31	10.42	2.1	2.7	1.2	17	5	90	.09	1	1.0	0.6	12	INT	L
		18	2129	0.64	19	26.07	155	15.92	11.17	2.1	2.3	1.4	12	2	154	.12	3	1.5	0.8	12	INT	L
		19	022	15.43	19	25.30	155	15.48	8.51	1.8	2.0	1.2	12	4	143	.10	2	1.2	1.3	9	INT	L
		19	052	6.94	20	45.50	154	48.31	49.64	2.9	3.4	2.4	21	2	306	.12	112	3.0	3.5	21	DIS	
		19	1 6	50.12	19	23.92	155	16.77	11.52	2.2	2.9	1.5	14	3	70	.08	0	1.1	1.3	12	INT	L
		19	417	1.65	19	25.82	155	17.57	10.62	2.0	2.5	1.3	16	3	87	.11	1	1.1	0.7	12	INT	L
		19	518	24.63	19	16.14	155	27.66	10.48		1.2	1.3	22	2	65	.11	5	0.5	1.0	10	LSW	
		19	649	13.44	19	25.33	155	16.08	11.35	2.5	3.4	1.9	17	3	123	.07	2	0.9	0.8	14	INT	L
		19	657	58.06	19	18.87	155	15.12	6.15		1.1	1.3	25	0	103	.12	4	0.5	1.2	17	SF1	
		19	721	22.60	19	20.30	155	7.01	7.14	1.1	1.5	1.6	31	2	102	.11	6	0.4	0.9	16	SF4	
		19	730	47.46	19	18.05	155	20.82	5.64	1.7	1.6	1.5	26	1	120	.09	4	0.4	1.2	11	SWR	
		19	835	2.94	19	24.87	155	11.24	5.43	1.8	1.1	1.1	8	1	315	.13	9	2.3	11.8	1	SF3	L*

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	19	1110	39.50	19	28.28	155	19.08	10.64	2.0	2.4	1.3	15	2	216	.14	3	1.5	0.9	4	KAO L
		19	1253	34.62	19	22.95	155	21.24	11.47	2.1	1.6	0.9	7	1	318	.08	3	2.3	2.0	0	KAO L
		19	1552	13.33	19	25.42	155	16.32	9.79	2.1	2.5	1.5	17	5	119	.11	2	1.1	0.8	1	INT L
		19	1654	10.77	19	17.07	155	12.38	10.72	2.1	2.1	2.0	37	6	178	.11	8	0.5	0.7	26	SF2
		19	1914	6.66	19	26.07	155	14.71	6.22	1.8	1.5	1.2	20	3	203	.12	3	0.6	0.7	17	INT L
		19	2114	31.03	19	25.06	155	16.34	8.96	2.4	2.5	1.3	14	2	107	.12	1	0.9	0.7	16	INT L
		19	22 0	49.38	19	25.73	155	24.32	8.16		1.1	1.1	31	5	48	.12	2	0.3	0.6	26	KAO
		20	038	7.79	19	24.26	155	17.68	7.52	2.1	2.0	1.5	20	3	44	.12	2	0.6	0.8	17	INT L
		20	4 2	45.13	19	27.26	154	54.61	6.72	1.6	1.2	1.6	33	4	140	.12	1	0.8	0.4	30	LER
		20	458	9.59	19	25.37	155	15.61	10.31	2.5	2.4	1.8	19	2	141	.11	3	0.8	0.6	18	INT L
		20	525	33.83	19	24.56	155	15.82	10.44	2.0	1.6	1.2	19	2	99	.11	2	0.9	0.7	18	INT L
		20	925	26.28	19	22.27	155	14.68	5.57	2.4	2.8	1.7	6	0	154	.08	3	3.7	10.2	0	INT L*
		20	946	18.10	19	13.32	155	29.26	11.78	1.8	1.3	1.4	19	2	122	.11	4	0.6	1.3	13	LSW L
		20	12 2	59.51	19	24.93	155	16.08	1.25	1.8	2.6	1.5	9	1	140	.11	2	0.7	0.7	0	SNC L
		20	1347	6.20	19	23.46	155	27.26	10.13	1.6	1.6	1.3	25	2	37	.10	2	0.4	0.6	15	KAO
		20	1439	24.09	19	23.83	155	16.39	12.92	2.6	3.3	1.6	12	2	70	.16	0	1.3	1.2	1	INT L
		20	1647	18.01	19	26.79	155	16.25	5.61	2.0	2.9	1.4	9	2	150	.08	2	0.8	1.0	3	INT L
		20	1824	5.60	19	22.10	155	5.09	6.91		1.4	1.3	21	0	74	.11	5	0.5	1.3	15	SF5
		20	1826	41.26	19	24.07	155	18.18	8.73	2.1		1.2	9	1	129	.08	3	1.6	1.2	1	INT L
		20	2053	20.04	19	25.69	155	30.71	9.84	1.5	1.4	1.6	43	4	35	.13	4	0.3	0.5	41	KAO
		20	2127	13.22	19	27.33	154	54.82	6.16	1.0	1.6	1.4	27	4	152	.10	1	0.8	0.4	27	LER
		20	2133	6.16	19	25.00	155	14.64	7.73	1.7		1.2	18	3	181	.14	1	1.0	0.8	16	INT L
		20	2227	56.67	19	24.04	155	16.92	5.03	1.9	2.2	1.2	19	2	72	.19	1	0.6	0.7	17	INT L
		21	0 6	43.28	19	24.98	155	15.86	14.76	2.4	3.1	1.6	18	3	116	.12	2	1.2	0.8	17	DEP L
		21	014	26.41	19	24.56	155	16.28	9.71	1.7	1.9	1.1	15	3	92	.11	1	1.0	0.7	12	INT L
		21	019	18.61	19	22.18	155	14.78	4.99	1.8		1.3	19	4	75	.11	2	0.5	0.5	15	SEC
		21	019	42.74	19	23.54	155	17.25	6.10	1.8	1.8	1.0	19	4	63	.11	1	0.5	0.6	16	INT L
		21	031	9.84	19	24.26	155	15.57	7.87	2.0	2.1	1.2	17	3	86	.12	2	0.8	0.7	14	INT L
		21	1 4	18.72	19	23.98	155	16.14	8.62	1.3	1.5	1.1	18	3	108	.12	1	0.8	0.8	16	INT L
		21	135	32.31	19	24.74	155	16.67	7.80	2.1	2.3	1.4	18	3	91	.10	1	0.6	0.5	16	INT L
		21	351	57.60	19	24.95	155	15.90	9.56	1.7	1.7	1.2	16	2	114	.11	2	0.9	0.6	16	INT L
		21	426	14.73	19	34.00	156	27.48	10.49	3.0	3.1	2.7	51	6	280	.16	57	3.0	4.2	49	DIS
		21	512	45.32	19	24.12	155	17.94	9.58	2.4	2.6	1.5	19	4	84	.16	2	1.0	0.7	17	INT L
		21	716	18.08	19	24.35	155	16.36	9.14	2.1		1.5	19	2	85	.15	1	0.7	0.7	17	INT L
		21	730	15.18	19	21.85	155	12.96	3.30		1.6	1.5	24	4	82	.09	1	0.3	0.5	20	SER
		21	10 6	11.00	19	23.52	155	16.94	7.99	2.4		1.7	20	3	45	.19	0	0.6	0.9	17	INT L
		21	10 6	59.67	19	20.75	155	6.42	7.90	3.1	3.6	3.3	54	7	99	.13	5	0.4	0.3	47	SF4
		21	1017	9.48	19	21.00	155	5.66	7.28		1.2	1.4	26	4	98	.13	5	0.5	0.6	24	SF4
		21	11 1	11.80	19	18.02	155	13.20	7.40		1.2	1.5	22	3	98	.09	2	0.6	1.1	19	SF2
		21	1413	51.49	19	24.60	155	16.72	10.40	2.7		1.9	17	4	87	.08	1	0.9	0.7	13	INT L
		21	1415	12.28	19	24.62	155	17.61	12.02	2.3	2.7	1.7	17	4	70	.06	1	1.1	0.7	13	INT L
		21	1511	41.82	19	19.62	155	11.83	8.32	1.8	2.0	1.8	31	6	90	.09	6	0.4	0.7	28	SF3
		21	1541	59.26	19	19.36	155	11.70	6.27	1.8	2.2	1.9	44	9	97	.14	5	0.3	0.6	35	SF3
		21	1740	19.80	19	26.72	155	15.77	9.61	2.6	2.6	1.8	16	9	185	.12	3	0.9	0.8	9	INT L
		21	1748	55.70	19	20.29	155	5.67	7.24	1.6	1.9	1.7	26	5	119	.16	5	0.5	0.8	24	SF4

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	21	20 1	45.75	19	26.50	155	14.99	9.96	2.5	2.5	1.6	20	9	206	.14	4	1.2	0.7	12	INT L
		21	2211	51.50	20	12.98	157	55.68	21.61	3.8	3.7	2.8	30	1	343	.12225		4.5	6.1	34	DIS
		21	2224	25.49	19	22.65	155	8.58	3.40	1.9	2.2	1.5	33	6	56	.10	2	0.4	0.4	27	SER
		21	2238	50.03	19	27.22	155	15.04	3.71	2.3	3.2	1.5	18	10	227	.14	3	0.9	1.5	8	SNC L
		22	028	30.50	19	22.84	155	3.71	8.84		1.4	1.6	25	3	101	.09	3	0.5	0.7	23	SF5
		22	052	59.48	19	25.88	155	16.33	10.50	2.2	2.3	1.3	20	10	131	.08	2	0.8	0.6	12	INT L
		22	140	1.50	19	26.39	155	15.47	7.60	1.6	1.7	0.9	14	6	225	.09	3	1.2	0.6	8	INT L
		22	2 4	59.20	19	20.25	155	5.40	7.56	1.7	1.9	1.8	30	4	122	.12	4	0.5	0.9	27	SF4 L
		22	2 7	39.87	19	25.84	155	14.43	10.94	2.1	2.5	1.5	18	9	222	.11	2	1.2	0.7	10	INT L
		22	224	32.55	19	25.01	155	18.46	10.00	2.7	3.5	1.9	14	4	97	.14	2	1.3	0.8	12	INT L
		22	225	31.86	19	20.97	155	5.78	6.39			1.9	35	4	99	.15	5	0.6	0.9	33	SF4 L
		22	232	22.10	19	22.90	155	18.33	10.94	2.2	2.5	1.4	17	7	233	.12	3	1.7	1.0	11	INT L
		22	235	9.41	19	28.18	155	15.37	7.01	2.0	2.3	1.3	19	9	254	.11	2	0.8	1.0	11	GLN L
		22	321	21.49	19	25.60	155	15.79	11.00	2.1	2.8	1.5	24	11	144	.10	2	0.9	0.6	12	INT L
		22	359	56.37	19	25.14	155	17.01	10.26	2.3	2.5	1.6	24	11	94	.12	0	0.8	0.4	14	INT L
		22	531	31.56	19	26.57	155	16.49	9.03	2.1	2.6	1.5	24	11	140	.12	2	0.8	0.6	14	INT L
		22	621	52.68	19	16.23	155	21.71	6.74	1.9	2.2	1.7	33	7	168	.12	5	0.5	0.9	31	SWR
		22	718	31.48	19	25.28	155	17.20	10.28	2.1	1.9	1.5	15	3	91	.12	1	1.3	0.7	12	INT L
		22	719	36.38	19	24.27	155	17.73	10.45	2.6	2.8		17	4	67	.12	2	0.9	0.8	12	INT L
		22	8 4	31.07	19	26.01	155	16.07	11.66	2.1	2.2	1.5	23	10	145	.13	3	1.0	0.6	14	INT L
		22	918	49.31	19	25.57	155	15.91	11.15	2.1	2.0	1.5	17	5	138	.08	2	1.0	0.6	12	INT L
		22	947	7.98	19	15.86	155	28.91	10.65		1.6	1.5	29	6	65	.14	3	0.4	0.6	23	LSW
		22	1032	40.28	19	25.35	155	16.41	10.11	2.6	3.0	1.5	17	5	114	.11	1	1.0	0.6	12	INT L
		22	11 3	45.79	19	25.10	155	16.70	11.06	2.1	1.6		15	4	100	.09	1	1.1	0.6	11	INT L
		22	12 7	25.85	19	25.19	155	16.28	10.29	2.1	1.7	1.4	16	5	113	.07	1	1.0	0.6	12	INT L
		22	1315	52.33	19	25.09	155	15.93	11.16	2.4	2.5	1.7	14	3	119	.11	2	1.1	0.9	11	INT L
		22	14 3	6.04	19	26.84	155	16.11	10.77	2.1	1.6	1.5	22	10	171	.11	2	1.0	0.7	12	INT L
		22	15 4	18.73	19	25.39	155	16.33	13.16	2.1	1.8	1.4	24	10	117	.12	1	1.0	0.5	14	DEP L
		22	16 4	52.53	19	25.42	155	16.35	10.73		1.7	1.2	22	9	167	.12	1	1.0	0.6	13	INT L
		22	1619	30.64	19	26.43	155	17.04	10.52	2.4	2.6	1.9	22	10	112	.17	2	1.1	0.7	12	INT L
		22	1651	44.03	19	26.58	155	15.47	8.50	1.4	1.6	1.3	22	10	193	.14	3	0.8	0.6	13	INT L
		22	1754	6.07	19	26.27	155	15.94	10.95	1.4	1.6	1.3	21	9	160	.12	3	0.9	0.6	12	INT L
		22	1840	46.43	19	28.19	155	14.83	8.00	2.2	2.1	1.7	18	8	241	.10	7	0.9	1.3	12	GLN L
		22	1931	40.75	19	23.75	155	17.66	8.99	2.0	1.6	1.3	7	0	232	.13	1	3.7	6.8	0	INT L
		22	1959	32.22	19	25.39	155	16.06	11.37	2.1	1.7	1.3	21	5	126	.07	2	0.8	0.6	6	INT L
		22	2122	15.75	19	25.70	155	15.09	11.75	1.4	1.6	1.2	15	3	179	.14	2	1.5	1.0	0	INT L
		22	2150	24.54	19	24.39	155	20.64	10.86	2.7	2.6	1.8	16	3	138	.24	2	1.8	1.5	0	KAO L
		22	2155	7.34	19	25.05	155	16.72	9.83	2.1		1.3	16	3	99	.11	1	0.7	1.0	4	INT L
		22	2221	55.17	19	26.10	155	19.35	13.32	2.3	2.5	1.6	13	4	204	.13	3	2.3	0.9	1	DML L
		22	2340	7.13	19	27.40	155	14.86	27.87	1.8	2.1	1.5	9	1	237	.09	3	4.0	2.1	0	DEP L
		23	032	4.30	19	6.16	155	27.14	43.27	2.1	2.0	1.3	14	1	264	.09	6	2.5	3.7	6	DLS L
		23	232	49.89	19	24.33	155	18.08	6.73	2.6	2.5	1.9	14	2	77	.12	2	0.7	0.7	0	INT L
		23	236	3.50	19	24.87	155	18.05	2.44	1.9	1.9	1.5	13	0	65	.14	1	0.4	0.6	2	SNC L
		23	436	37.33	19	26.23	155	15.54	18.23	2.5	2.5	1.7	12	1	177	.11	3	1.6	1.2	2	DEP L
		23	617	39.92	19	25.14	155	16.86	12.23	2.4	2.5	1.7	14	2	97	.07	1	1.1	0.9	2	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	23	750	18.53	19	59.89	155	36.51	13.47	2.1	3.0	2.1	31	3	164	.11	16	0.6	0.5	18	KOH
		23	839	7.59	19	25.56	155	17.27	6.64	2.6	3.1	1.8	17	2	93	.11	1	0.6	1.2	1	INT L
		23	844	50.93	19	23.72	155	16.87	7.19	2.1	2.1	1.5	10	1	74	.10	1	0.9	1.6	1	INT L
		23	954	43.65	19	25.52	155	17.35	3.78	1.2	2.2	1.3	9	1	91	.10	1	0.6	0.9	0	SNC L
		23	1127	30.43	19	20.41	155	11.47	8.25	1.9	2.2	2.0	40	5	78	.11	4	0.4	0.5	31	SF3
		23	1146	11.15	19	23.97	155	16.15	10.65	2.3	2.8	1.6	18	3	74	.10	1	0.8	0.7	16	INT L
		23	1347	11.16	19	25.85	155	17.31	12.20	2.5		1.9	18	3	72	.05	1	0.6	0.6	15	INT L
		23	1347	53.50	19	25.73	155	16.41	10.67	2.3	3.1	1.7	16	4	124	.08	2	1.1	0.6	12	INT L
		23	15	7	25.97	19	20.76	155	12.91	27.09	1.7	2.3	2.0	44	5	63	.10	3	0.6	0.7	35	DEP
		23	1536	53.79	19	25.14	155	16.48	11.40	2.1	2.8	1.4	14	3	106	.13	1	1.5	0.8	11	INT L
		23	1636	20.90	19	24.72	155	16.74	9.32	2.1	2.8	1.6	16	4	90	.10	1	0.8	1.0	12	INT L
		23	1952	29.25	19	25.17	155	16.68	12.02	1.3	1.9	1.0	13	4	165	.05	2	1.2	0.7	6	INT L
		23	2028	42.98	19	25.66	155	14.95	3.09	1.3	1.1	1.2	15	2	145	.07	2	0.4	0.7	11	SNC L
		23	21	8	52.75	19	25.71	155	16.64	9.27	2.5		2.0	12	3	116	.08	2	1.3	0.8	11	INT L
		23	2116	12.21	19	26.20	155	17.19	10.16	2.1		1.5	15	4	186	.13	2	1.3	0.6	12	INT L
		23	2124	46.45	19	26.59	155	15.95	10.49	1.4	2.1	1.3	16	4	170	.09	3	1.1	0.6	12	INT L
		23	2141	47.80	19	26.38	155	16.03	11.16	1.9	2.0	1.3	15	3	159	.08	3	1.0	0.8	12	INT L
		23	2253	2.03	19	25.90	155	17.16	9.89	2.2	3.1	1.6	14	3	101	.12	1	1.2	1.3	12	INT L
		23	2315	14.36	19	14.26	155	21.71	7.57	1.6	1.6	1.4	24	0	161	.11	4	0.6	1.3	13	SWR
		23	2317	27.72	19	14.20	155	21.95	7.51	1.6	2.1	1.6	31	1	160	.11	4	0.5	0.9	19	SWR
		24	0	8	10.02	19	23.28	155	2.59	8.11	1.6	2.3	1.8	39	2	123	.12	3	0.4	0.5	19	SF5
		24	215	35.27	19	25.48	155	16.49	10.79	2.5	3.3	1.7	16	4	115	.06	1	1.2	0.5	12	INT L
		24	233	8.94	19	23.09	155	16.59	7.60	2.1	2.4	1.5	11	2	87	.06	1	0.9	2.0	11	INT L
		24	356	23.17	19	24.26	155	16.26	10.14	1.9	1.9	0.9	9	1	93	.10	1	1.5	2.6	1	INT L
		24	440	4.71	19	20.30	155	8.42	7.01	1.4	1.8	1.7	33	1	77	.10	4	0.5	0.8	16	SF4
		24	624	37.95	19	24.19	155	16.92	10.27	2.6	3.3	1.8	14	3	75	.06	1	1.2	1.0	12	INT L
		24	7	2	59.37	19	25.24	155	16.22	11.19	2.1	2.6	1.5	11	2	167	.13	2	2.6	1.2	4	INT L
		24	935	58.89	19	24.83	155	16.86	9.69	2.4	3.2	1.3	15	1	71	.09	0	0.8	1.0	2	INT L
		24	1012	43.93	19	24.96	155	15.89	10.39		2.1	1.2	11	3	174	.10	2	2.0	0.9	5	INT L
		24	1139	34.20	19	25.12	155	16.66	13.27	2.0		1.2	10	2	126	.09	1	2.4	1.0	1	DEP L
		24	1319	4.98	19	24.63	155	17.19	11.57	2.6		1.5	10	0	64	.10	1	1.9	3.4	0	INT L
		24	1330	51.92	19	27.58	155	16.84	7.33	1.7	1.9	1.3	10	1	229	.25	4	2.1	3.1	0	INT L
		24	1639	3.50	19	27.32	155	14.61	31.65		1.5	1.5	36	4	59	.11	5	0.6	0.8	31	DEP L
		24	1642	32.89	19	27.27	155	12.83	14.51	2.5		2.1	17	8	259	.14	5	1.5	0.6	10	DEP L
		24	1716	21.45	19	27.60	155	14.74	5.12	1.6	1.7	1.2	17	8	252	.14	5	0.7	2.0	10	INT L
		24	1847	33.17	19	25.77	155	15.31	11.35	2.1	2.8	1.4	17	8	171	.10	3	1.1	0.6	9	INT L
		24	2134	54.23	19	26.88	155	13.26	7.74	2.4		1.8	18	9	252	.14	4	0.9	1.1	11	GLN L
		24	2144	53.69	19	26.90	155	15.24	6.66	2.0	2.4	1.4	22	9	210	.12	3	0.6	0.8	13	INT L
		24	2153	43.99	19	26.86	155	15.59	8.51	1.5	1.7	1.0	14	7	199	.19	3	0.9	1.0	8	INT L
		24	23	8	6.99	19	27.48	155	15.27	10.51	2.5	3.2	1.8	18	7	234	.11	3	1.1	0.6	13	INT L
		24	2328	32.94	19	18.59	155	14.29	6.72	1.4	1.8	1.5	40	10	109	.16	3	0.4	0.6	32	SF2
		25	012	44.35	19	19.64	155	12.05	7.96		1.5	1.4	22	3	88	.08	5	0.4	0.6	21	SF3
		25	141	1.97	19	25.60	155	16.91	11.34	2.1	2.7	1.4	22	10	105	.11	1	0.9	0.6	12	INT L
		25	343	56.79	19	28.87	155	15.42	9.39	2.5	3.5	2.0	16	5	242	.13	3	1.3	0.9	12	GLN L
		25	415	59.94	19	25.86	155	16.73	8.66	2.3	3.0	1.9	18	8	116	.11	2	0.9	0.6	12	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	25	420	53.85	19	18.48	155	15.15	8.45	2.6	2.9	2.7	52	7	102	.14	4	0.4	0.3	48	SF1
		25	5	3	29.04	19	24.70	155	0.84	6.89	2.1	2.4	1.9	48	10	126	.12	4	0.3	0.4	40	SF5
		25	530	38.46	19	26.31	155	15.05	8.52	1.8	2.1	1.2	20	9	199	.12	3	0.8	0.8	11	INT L
		25	649	28.46	19	24.88	155	1.01	4.85		1.2	1.5	25	5	117	.13	4	0.4	1.9	20	SME
		25	749	39.56	19	26.63	155	14.43	10.96	2.7	3.1	1.8	18	8	238	.16	4	1.2	0.6	11	INT L
		25	950	54.38	19	28.77	155	13.20	7.65	2.6	3.2	2.2	22	10	278	.10	6	0.8	1.4	12	GLN L
		25	1222	54.95	19	28.40	155	14.09	5.29	2.5	3.1	1.9	17	7	250	.14	5	0.8	2.5	12	GLN L
		25	1257	26.31	19	27.20	155	15.03	10.23	1.4	2.4	1.6	23	10	227	.16	3	1.1	0.7	13	INT L
		25	14	5	46.97	19	20.14	155	11.78	7.23	1.3	1.9	1.8	41	4	81	.12	5	0.4	0.5	37	SF3
		25	1431	34.19	19	28.32	155	14.46	8.15	2.3	3.2	1.9	20	7	246	.14	4	0.9	1.1	12	GLN L
		25	1711	30.58	19	27.74	155	13.39	6.59	2.2	3.0	1.9	20	7	253	.11	6	0.7	1.5	13	GLN L
		25	1849	42.89	19	26.39	155	15.51	12.21	1.7	1.9	1.7	23	10	184	.14	3	1.1	0.7	13	INT L
		25	2046	18.75	19	28.99	155	14.85	7.11	2.3	2.9	1.9	20	8	269	.23	4	1.2	2.0	10	GLN L
		25	22	6	47.64	19	18.83	155	14.68	8.60	1.4	1.2	1.3	17	3	96	.10	4	0.6	0.7	14	SF1
		25	2210	48.09	19	23.70	155	17.14	10.54		1.7	1.5	18	2	62	.15	1	0.8	1.1	16	INT L
		25	2311	33.08	19	18.89	155	13.61	9.16	3.7	3.8	4.0	53	8	69	.11	3	0.3	0.3	50	SF2 F
		25	2338	30.30	19	25.45	155	17.05	10.78	1.4	2.4	1.1	16	3	98	.14	1	1.4	0.7	13	INT L
		25	2350	38.23	19	22.96	155	3.29	8.58	1.6	1.9	1.9	51	8	110	.12	3	0.4	0.3	44	SF5 L
		26	045	50.51	19	26.96	155	15.94	9.36	2.4	3.0	1.9	19	9	186	.14	2	1.0	0.7	11	INT L
		26	051	34.61	19	28.51	155	13.30	4.96	1.4	1.8	1.3	19	7	275	.19	6	1.0	4.8	11	GLN L
		26	144	42.20	19	27.95	155	13.80	9.24	2.2	2.6	1.8	20	7	250	.11	5	1.1	0.9	11	GLN L
		26	223	8.64	19	25.98	155	19.53	6.56		1.8	1.3	31	6	75	.11	4	0.4	0.6	22	KAO
		26	257	50.41	19	26.08	155	16.21	11.32		1.8	1.1	21	8	142	.11	3	1.0	0.7	13	INT L
		26	410	18.17	19	24.61	155	16.70	9.52	2.3	2.6	1.8	17	3	88	.13	1	0.7	0.7	15	INT L
		26	625	14.81	19	28.21	155	13.40	3.67	2.0	1.9	1.6	23	10	257	.18	6	0.7	1.7	13	GLN L
		26	833	57.55	19	24.14	155	17.93	11.44	2.5		1.7	22	2	50	.13	2	0.5	0.6	21	INT L
		26	834	47.43	19	25.57	155	16.64	9.25	2.1	2.9	1.6	19	2	66	.14	1	0.8	0.8	18	INT L
		26	958	31.72	19	20.94	155	4.63	5.78	1.3	2.2	1.6	41	2	100	.15	4	0.5	0.9	42	SF5 L
		26	1026	29.98	19	23.81	155	16.41	7.68	1.6	2.9	1.2	17	3	69	.12	0	0.7	0.9	16	INT L
		26	1230	26.91	19	24.64	155	16.32	9.49	2.3	3.2	1.8	21	3	65	.11	1	0.5	0.5	19	INT L
		26	1231	13.59	19	24.53	155	16.24	10.07	1.4	2.4	1.4	19	2	92	.12	1	0.7	0.7	17	INT L
		26	1337	47.57	19	25.23	155	16.43	8.62	2.0	3.0	1.5	19	3	110	.12	1	0.8	0.5	15	INT L
		26	1516	24.88	19	24.69	155	16.01	5.74	1.7	2.7	1.5	19	3	101	.12	2	0.5	0.6	17	INT L
		26	1647	44.67	19	25.27	155	16.30	8.80	2.1	2.8	1.6	18	3	115	.09	1	0.8	0.6	17	INT L
		26	1724	0.63	19	22.98	155	4.08	7.84	0.8	1.2	1.4	31	4	94	.17	3	0.5	0.6	26	SF5
		26	1752	21.01	19	25.95	155	14.35	8.21	2.1	2.8	1.6	19	3	210	.12	2	1.1	0.9	16	INT L
		26	1920	15.83	19	24.45	155	16.63	8.37	2.1	2.7	1.5	18	3	84	.11	1	0.7	0.6	16	INT L
		26	2017	56.16	19	23.21	155	17.15	7.54	2.1	2.6	1.3	17	3	64	.09	0	0.6	0.9	16	INT L
		26	2117	54.53	19	24.49	155	17.23	6.68	1.4	2.5	1.3	18	2	58	.18	1	0.7	0.8	16	INT L
		26	2238	38.75	19	24.75	155	16.38	7.12	2.4		1.8	21	3	97	.12	1	0.6	0.5	18	INT L
		26	2247	32.48	19	24.32	155	17.33	7.60	1.4	2.1	1.3	18	3	54	.09	1	0.6	0.7	16	INT L
		26	23	2	27.19	19	25.32	155	15.65	9.19	1.7	2.1	1.2	19	3	138	.11	2	0.9	0.5	16	INT L
		26	2315	38.77	19	24.84	155	14.89	6.89	2.1	2.9	1.6	16	3	135	.11	1	0.8	0.6	16	INT L
		26	2323	0.51	19	24.38	155	17.43	7.72	1.8	2.0	1.2	19	3	47	.13	1	0.6	0.7	16	INT L
		26	2337	0.59	19	24.66	155	16.22	7.85	1.3	2.2	1.2	19	3	96	.10	1	0.7	0.6	16	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	27	011	49.73	19	24.34	155	16.91	9.48	2.1	2.7	1.5	18	2	79	.12	1	0.7	1.0	16	INT L
		27	036	14.41	19	23.88	155	17.03	5.13	1.7	2.4	1.4	19	3	68	.11	1	0.5	0.6	17	INT L
		27	051	48.57	19	25.45	155	19.63	6.75	1.6	1.2	1.0	26	6	116	.10	3	0.3	0.5	20	KAO L
		27	131	4.04	19	23.89	155	16.83	8.56	2.1	2.1	1.4	19	3	69	.13	0	0.6	0.7	17	INT L
		27	145	24.44	19	24.77	155	16.40	9.84	1.5	1.9	1.0	19	3	97	.11	1	0.7	0.5	17	INT L
		27	222	10.17	19	25.10	155	16.37	10.55	2.1	2.5	1.5	20	3	108	.09	1	0.7	0.5	18	INT L
		27	3	8 11.76	19	24.56	155	17.34	7.64	2.0	2.5	1.4	17	3	70	.08	1	0.5	0.5	16	INT L
		27	335	40.24	19	24.86	155	16.69	10.00	1.8	2.4	1.3	20	3	94	.10	1	0.7	0.6	17	INT L
		27	450	12.27	19	24.74	155	16.79	9.58	2.4	3.0	1.6	22	2	60	.10	0	0.6	0.6	20	INT L
		27	451	2.02	19	23.57	155	16.26	10.61	1.4	1.9	1.4	19	3	58	.12	1	0.7	0.7	18	INT L
		27	5	2 58.02	19	19.76	155	8.57	6.53	1.2	2.2	1.7	48	5	78	.13	5	0.4	0.5	44	SF4
		27	543	39.53	19	23.98	155	16.46	7.62	2.1	2.3	1.4	22	3	59	.13	0	0.5	0.6	19	INT L
		27	619	37.07	19	24.91	155	15.70	10.01	2.0	2.3	1.3	20	3	117	.12	2	0.8	0.6	17	INT L
		27	655	57.21	19	24.20	155	16.74	9.02	2.0	2.4	1.3	20	3	78	.10	1	0.6	0.6	17	INT L
		27	658	8.21	19	47.91	155	34.82	14.25	3.4	4.0	3.6	60	8	96	.11	13	0.3	0.4	54	KEA F
		27	738	56.16	19	11.72	155	25.88	32.86	2.0	2.1	1.8	46	4	150	.12	5	0.7	0.6	43	DLS
		27	755	3.58	19	24.74	155	15.95	10.93	2.0		1.4	20	3	104	.12	2	0.8	0.6	17	INT L
		27	8	8 26.06	19	23.91	155	30.25	10.43	2.0	1.4	1.4	34	5	40	.11	5	0.4	0.8	31	KAO
		27	850	10.01	19	25.03	155	16.67	9.57	2.0	2.3	1.4	17	2	99	.10	1	0.7	0.6	16	INT L
		27	926	48.26	19	25.09	155	16.39	9.96	1.8	1.9	1.3	18	2	107	.10	1	0.8	0.6	16	INT L
		27	10	0 36.01	19	24.66	155	16.24	8.98	1.5		1.0	18	2	96	.08	1	0.7	0.6	16	INT L
		27	1011	32.85	19	26.78	155	23.79	8.00	1.4	1.4	1.2	20	5	66	.07	4	0.4	0.6	16	KAO
		27	1035	20.87	19	25.03	155	15.87	10.87	1.8	1.7	1.1	19	3	118	.11	2	0.9	0.6	17	INT L
		27	1149	49.94	19	23.71	155	18.13	8.54	2.4		1.8	14	3	94	.10	2	0.8	0.9	12	INT L
		27	13	9 44.34	19	23.95	155	17.08	12.27	2.2	2.6	1.4	19	3	69	.10	1	0.8	0.9	16	INT L
		27	14	6 42.49	19	24.65	155	16.39	11.35	1.3	1.9	1.1	19	3	93	.13	1	0.9	0.8	16	INT L
		27	16	8 34.38	19	24.40	155	17.53	10.43	1.5	2.1	1.3	18	3	47	.10	1	0.8	0.7	16	INT L
		27	1613	44.08	19	47.25	155	32.96	15.60		1.6	1.7	24	4	117	.11	14	0.6	0.7	21	KEA
		27	1636	59.15	19	24.74	155	16.13	10.71	1.3	1.9	1.1	20	3	101	.12	2	0.8	0.6	17	INT L
		27	1747	29.02	19	23.98	155	16.37	10.25	2.1	2.3	1.4	20	3	73	.07	0	0.6	0.6	17	INT L
		27	1827	8.53	19	24.46	155	16.65	11.37	1.4	1.9		19	3	84	.08	1	0.8	0.7	16	INT L
		27	1943	51.09	19	25.11	155	16.06	11.16	1.3	2.0	1.1	19	3	116	.08	2	0.9	0.6	16	INT L
		27	2053	34.69	19	25.13	155	16.50	10.84	2.2	2.6	1.5	20	3	105	.08	1	0.7	0.5	17	INT L
		27	2058	8.14	19	24.35	155	16.75	9.16	1.3	2.1	1.2	19	4	80	.12	1	0.8	0.7	15	INT L
		27	2119	25.16	19	25.20	155	15.81	10.79	1.9	1.6	1.2	19	3	127	.08	2	0.8	0.5	16	INT L
		27	2159	1.91	19	25.08	155	16.22	11.24	1.3	2.4	1.1	19	3	111	.10	1	0.9	0.6	16	INT L
		27	2318	24.29	19	24.98	155	14.77	11.14	2.1	2.9	1.5	19	3	157	.14	1	1.0	0.6	17	INT L
		27	2350	15.77	19	25.50	155	14.52	5.14	1.1	1.8	1.0	18	2	196	.14	2	0.9	1.1	16	INT L
		28	010	1.88	19	20.48	155	7.93	8.53		1.2	1.2	29	4	85	.08	4	0.4	0.5	27	SF4
		28	053	43.24	19	25.09	155	16.10	10.25	1.3	2.0	1.2	19	3	114	.08	2	0.8	0.5	16	INT L
		28	137	33.28	19	24.15	155	17.78	9.40	1.3	1.6	1.0	18	2	45	.13	2	0.7	1.0	16	INT L
		28	323	54.38	19	24.43	155	16.77	11.79	2.5		1.7	19	3	82	.13	1	0.7	0.7	16	INT L
		28	356	57.26	19	25.06	155	16.20	9.90	1.5	1.6	1.1	18	3	111	.11	1	0.8	0.6	16	INT L
		28	447	23.16	19	24.92	155	16.70	10.66	1.2	1.9	1.1	19	3	96	.13	1	0.9	0.7	16	INT L
		28	546	41.35	19	25.23	155	16.53	10.58	2.3	2.8	1.2	20	3	107	.08	1	0.7	0.5	17	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	28	612	30.45	19	19.87	155	6.80	6.27	1.4	1.8	1.5	36	3	115	.13	5	0.5	1.0	33	SF4
		28	641	53.84	19	24.98	155	16.56	10.58	1.6	1.7	1.0	19	3	100	.07	1	0.8	0.6	16	INT L
		28	755	44.43	19	25.42	155	15.88	10.61	2.1	2.7	1.4	20	2	133	.10	2	0.8	0.5	18	INT L
		28	8	0 57.78	19	22.46	155	20.79	10.26	1.9	1.9	1.3	37	5	46	.10	3	0.4	0.4	35	KAO
		28	943	38.78	19	20.56	155	8.22	7.16	1.2	1.5	1.4	37	4	78	.10	4	0.4	0.5	34	SF4
		28	10	5 40.44	19	23.79	155	16.80	9.70	2.3	2.7	1.4	16	2	68	.09	0	0.8	0.9	15	INT L
		28	1158	39.79	19	23.82	155	16.84	10.37	1.7	1.6	1.1	17	1	68	.14	0	0.8	1.3	16	INT L
		28	1311	43.21	19	27.42	155	14.11	4.18	1.6	1.5	1.2	6	1	266	.09	5	1.7	2.7	0	SNC L
		28	1551	17.33	19	21.73	155	19.47	7.61	2.5	3.1	1.6	18	3	108	.16	4	0.7	1.1	0	SWR L
		28	1610	4.29	19	26.72	155	16.04	9.45	2.2	3.0	1.6	18	2	180	.07	4	0.9	1.4	3	INT L
		28	1712	7.24	19	25.47	155	15.98	12.14	1.4	2.4	1.3	19	2	131	.08	2	0.8	0.7	17	INT L
		28	1942	57.60	19	24.34	155	17.02	10.95	2.1	2.8	1.5	19	3	77	.14	1	0.9	0.9	16	INT L
		28	2149	57.93	19	16.36	155	30.90	9.84	1.6	2.2	1.5	42	5	50	.14	3	0.4	0.6	38	LSW
		28	2158	22.87	19	24.40	155	16.74	8.93	1.3	1.9	1.2	20	3	81	.13	1	0.7	0.7	17	INT L
		28	2213	29.49	19	19.69	155	8.03	7.36	1.2	1.7	1.5	44	7	91	.12	4	0.4	0.5	37	SF4
		28	2345	58.39	19	24.75	155	16.24	12.10	1.9	1.9	1.3	20	3	99	.10	1	0.8	0.6	17	INT L
		29	020	37.03	19	24.53	155	16.97	12.94	2.1		1.8	20	2	82	.15	1	0.9	0.9	18	INT L
		29	026	24.09	19	24.27	155	16.60	7.94	2.1	2.2	1.4	20	3	80	.16	1	0.7	0.7	17	INT L
		29	124	37.57	19	19.29	155	50.03	7.83	2.4	2.0	1.7	39	3	122	.15	7	0.6	0.7	37	KON
		29	2	9 25.88	19	24.97	155	16.74	9.98	1.8		1.1	20	3	96	.10	0	0.7	0.5	17	INT L
		29	2	9 53.70	19	24.67	155	16.91	8.32	2.1	2.3	1.5	20	3	85	.10	0	0.6	0.5	17	INT L
		29	416	43.17	19	24.82	155	16.63	10.37	1.3	1.9	1.0	19	3	93	.07	1	0.7	0.5	16	INT L
		29	558	58.19	19	25.41	155	16.96	10.86	2.1		1.5	18	2	97	.08	1	0.6	0.5	19	INT L
		29	559	4.66	19	20.21	155	11.60	5.94			1.7	20	3	80	.08	5	0.4	0.8	18	SF3
		29	6	4 42.29	19	24.70	155	16.94	5.71	1.2	1.8	1.3	14	0	86	.08	0	0.5	0.9	16	INT L
		29	817	6.78	19	23.76	155	16.16	6.84	2.1	2.6	1.6	16	4	68	.12	1	0.8	1.0	14	INT L
		29	851	8.67	19	24.89	155	16.39	8.46	2.1		1.8	15	3	101	.12	1	1.0	0.7	12	INT L
		29	914	30.44	19	25.06	155	17.27	13.65	1.4	2.4	1.4	17	4	86	.11	1	1.0	1.0	13	DEP L
		29	1217	54.12	19	26.36	155	29.53	10.48		1.2	1.2	27	3	42	.10	7	0.4	0.9	17	KAO
		29	1257	7.30	19	26.61	155	22.05	12.51	2.5		1.7	14	2	266	.12	3	1.2	0.8	5	KAO L
		29	1435	56.66	19	26.35	155	16.79	8.48	2.2	2.7	1.7	16	1	121	.13	2	0.9	1.0	1	INT L
		29	1543	52.83	19	16.38	155	21.53	7.19	1.7	2.7	1.8	37	5	137	.11	6	0.4	0.9	28	SWR
		29	1621	6.41	19	25.58	155	14.00	10.52	2.1	2.5	1.4	13	2	222	.26	2	2.2	1.6	1	INT L
		29	1839	6.27	19	19.83	155	10.29	9.32		1.3	1.5	28	1	89	.09	4	0.5	0.8	24	SF3 L
		29	20	6 59.28	19	25.60	155	18.28	11.08	2.2	2.8	0.8	9	1	96	.03	1	1.5	1.0	3	INT L
		29	2121	3.66	19	25.51	155	17.31	8.93	2.2	2.7	1.6	15	4	92	.12	1	1.0	0.5	12	INT L
		29	2134	21.99	19	24.16	155	17.78	10.14	1.7	2.2	1.2	15	3	66	.14	2	1.1	0.9	12	INT L
		29	23	7 53.31	19	25.01	155	16.69	9.32	2.1	2.7	1.6	15	4	98	.08	1	1.1	0.7	11	INT L
		30	044	13.80	19	25.84	155	19.01	6.82	1.9	1.3	0.9	21	4	90	.10	3	0.6	0.7	17	INT
		30	121	44.25	19	24.50	155	15.91	7.62	1.9	2.2	1.4	18	2	95	.15	2	0.7	0.6	16	INT L
		30	3	3 35.58	19	10.54	155	38.95	4.23	1.8	1.9	1.7	44	8	109	.15	9	0.3	1.9	36	LSW
		30	351	10.09	19	23.81	155	17.68	10.27	2.1	2.3	1.4	19	3	47	.12	2	0.7	0.8	17	INT L
		30	558	41.87	19	24.45	155	17.26	7.58	2.0	2.3	1.3	15	0	60	.10	1	0.6	1.3	16	INT L
		30	859	13.03	19	25.84	155	19.15	12.94	2.1	2.4	1.7	17	3	89	.13	3	1.4	0.9	1	KAO L
		30	914	11.73	19	21.11	155	19.90	13.69	2.2	2.0	1.5	14	1	122	.17	5	1.3	1.8	1	DEP L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	NOV	30	1010	40.68	19	25.37	155	16.86	12.53	2.1	2.4	1.1	14	2	102	.14	1	1.6	0.7	1	INT L
		30	1219	5.83	19	24.46	155	17.39	8.98	1.8	1.4	1.3	14	2	75	.14	1	0.9	1.9	0	INT L
		30	14	1 17.35	19	23.53	155	22.30	4.97	1.8	1.3	1.1	6	0	289	.04	8	4.7	11.3	0	KAO L*
		30	1727	30.25	19	21.78	155	7.47	7.46	1.1	1.5	1.6	29	1	73	.11	3	0.4	0.8	21	SF4
		30	1840	40.13	19	24.73	155	16.18	9.59	2.2	2.2	1.5	19	3	99	.13	1	0.6	0.6	3	INT L
		30	1842	54.67	19	23.06	155	17.76	11.65	2.1	1.5	1.4	17	2	63	.09	2	0.7	1.1	17	INT L
		30	1910	59.73	19	28.21	155	19.35	12.39	1.9	1.6	1.2	10	1	274	.07	5	1.9	1.0	0	KAO L
		30	1923	6.66	19	34.49	155	42.12	11.42		1.3	1.2	24	4	129	.15	10	0.6	0.9	11	MLO
		30	2039	48.71	19	21.46	155	19.98	9.87	2.2	2.1	1.4	12	2	235	.13	4	1.2	2.2	2	SWR L
		30	2221	11.91	19	23.41	155	18.32	7.13	1.9	1.9	1.3	18	2	54	.14	2	0.5	0.9	18	INT L
	DEC	1	029	19.70	19	6.46	155	21.74	36.92	2.4	2.3	2.2	51	5	194	.11	12	0.8	0.6	48	LOI
		1	120	57.51	19	25.51	155	15.44	10.34	2.1	2.1	1.5	20	3	155	.11	2	1.0	0.6	17	INT L
		1	521	17.81	19	24.70	155	14.78	10.68	2.1	2.3	1.5	19	3	122	.09	1	1.0	0.6	17	INT L
		1	717	9.35	19	24.65	155	16.54	13.42	2.4	3.2	1.7	19	3	91	.09	1	0.8	0.6	17	DEP L
		1	723	3.67	19	25.79	155	15.15	8.07	1.9	2.0	1.3	18	3	180	.12	3	1.0	0.8	17	INT L
		1	739	10.97	19	23.36	155	29.65	10.36	2.3	3.2	3.0	53	4	32	.12	4	0.3	0.3	51	KAO
		1	741	28.47	19	6.97	155	21.42	36.83	1.2	2.6	2.1	39	3	193	.09	12	1.1	0.9	37	LOI
		1	813	12.69	19	27.20	155	14.69	7.54	1.8	2.1	1.2	19	3	210	.13	5	1.0	0.8	17	INT L
		1	825	49.55	19	14.59	155	26.55	7.91		1.6	1.3	26	3	98	.13	4	0.4	0.9	23	LSW
		1	919	2.42	19	22.05	155	4.67	8.24	1.7	1.6	1.7	41	5	81	.16	4	0.5	0.4	41	SF5
		1	10	4 27.04	19	21.23	155	27.56	10.36	2.0	1.9	1.8	37	2	43	.10	2	0.4	0.5	29	KAO
		1	10	8 32.80	19	26.74	155	16.73	9.64	2.1	2.8	1.7	14	0	130	.10	2	1.3	1.8	2	INT L
		1	1040	55.95	19	20.38	155	4.54	5.93	2.0	2.7	2.1	41	2	120	.13	3	0.5	1.2	32	SF5
		1	1213	37.90	19	17.90	155	7.09	5.60	2.5	2.9	1.9	6	1	344	.14	18	5.1	16.0	0	SF4 L*
		1	1255	45.47	19	19.93	155	10.74	9.08		1.4	1.3	21	2	88	.06	4	0.6	1.2	14	SF3
		1	14	2 50.65	19	28.38	155	18.65	14.09	2.3	3.0	1.5	11	2	276	.22	4	4.0	1.6	0	DEP L
		1	1424	43.92	20	0.95	155	26.09	9.01	1.2	1.4	1.6	10	1	215	.10	17	2.2	1.0	4	KEA
		1	1557	38.67	19	24.21	155	17.06	9.83	2.3	2.9	1.5	21	3	74	.13	1	0.6	0.7	18	INT L
		1	1820	43.09	19	25.44	155	19.30	6.58	2.0	1.4	1.1	27	6	77	.12	3	0.4	0.5	22	KAO
		1	1857	30.21	19	22.87	155	27.59	10.67	1.9	1.7		18	0	62	.08	1	0.6	1.3	20	KAO
		1	1954	14.37	19	56.22	156	4.83	17.13		2.2	1.7	41	3	252	.12	38	1.0	14.1	41	KOH *
		1	2043	19.69	19	23.58	155	15.98	11.65	2.4	2.9	1.6	17	3	122	.08	1	1.0	0.8	16	INT L
		1	2223	33.78	19	52.56	155	43.40	12.84	1.1	1.7	1.7	26	4	139	.12	7	0.6	0.6	23	HUA
		1	2346	44.87	19	24.70	155	16.45	11.95	2.4	2.8	1.6	21	3	93	.12	1	0.8	0.6	18	INT L
		2	0	3 3.27	19	20.35	155	12.81	8.47	1.4	1.4	1.5	28	3	68	.10	4	0.4	0.6	26	SF2
		2	040	9.69	19	23.26	155	2.98	7.89	0.8	1.2	1.5	30	0	118	.15	3	0.6	1.2	32	SF5
		2	143	22.67	19	25.24	155	14.58	14.11	2.4	2.9	1.6	19	3	195	.13	1	1.4	0.8	17	DEP L
		2	3	3 30.20	19	7.61	155	21.58	38.15	2.3	2.8		52	4	189	.10	12	0.8	1.1	48	LOI
		2	4	4 12.64	19	22.83	155	8.82	3.37	1.6	1.6		16	1	115	.10	2	0.7	0.4	15	SER
		2	458	10.64	19	21.27	155	6.13	6.85	2.2	2.3		48	2	90	.11	5	0.4	0.7	46	SF4
		2	549	51.97	19	20.76	155	5.35	7.33				17	1	106	.08	5	0.6	1.3	16	SF4
		2	550	23.81	19	25.66	155	15.41	8.37	2.3	2.7		20	3	153	.09	3	0.6	0.8	17	INT L
		2	819	22.09	19	25.85	155	15.11	8.84	2.1	2.3	1.4	17	2	184	.13	3	1.1	0.8	16	INT L
		2	1234	57.72	19	23.44	155	18.53	11.31	2.3	2.2	1.4	20	3	53	.15	2	0.7	1.1	17	INT L
		2	1255	17.79	19	25.65	155	13.97	9.34	2.2	2.3	1.6	19	3	182	.14	2	1.0	0.9	18	SF2 L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	2	13	3 40.85	19	25.44	155	15.61	10.87	1.9	1.5	1.2	19	3	145	.12	3	1.1	0.6	16	INT L
		2	14	7 0.53	19	24.49	155	16.00	11.98	2.2	2.3	1.5	20	3	94	.13	2	1.0	0.8	17	INT L
		2	1447	57.49	19	48.12	155	3.43	50.68	2.3	1.8	1.8	51	5	210	.12	10	0.9	0.7	47	KEA
		2	1651	33.03	19	24.52	155	17.77	8.36	2.2	2.3	1.5	21	3	51	.18	2	0.7	0.8	18	INT L
		2	2152	30.06	19	24.43	155	16.87	8.01	2.1	2.1	1.4	20	3	81	.19	1	0.8	0.8	17	INT L
		2	2346	4.77	19	25.28	155	15.28	8.72	2.1	2.4	1.5	19	3	149	.10	2	0.9	0.7	18	INT L
		3	145	4.65	19	23.83	155	16.94	7.99	2.1	1.9	1.4	20	3	67	.14	1	0.7	0.9	17	INT L
		3	153	27.91	19	23.01	155	3.09	8.67	2.1	2.2	2.1	42	4	108	.11	3	0.5	0.4	41	SF5
		3	2	8 12.64	19	28.41	155	19.24	2.56	1.6	1.3	1.5	9	0	193	.07	8	1.2	3.8	0	KAO L
		3	224	43.10	19	22.83	155	33.11	5.10		1.2	1.0	14	3	69	.10	4	0.5	2.0	8	MLO
		3	437	58.01	19	25.62	155	15.61	9.49	2.1	2.6	1.5	21	3	148	.18	3	1.1	0.8	17	INT L
		3	444	46.16	19	24.65	155	14.97	11.52	1.6	1.2	1.1	20	3	113	.15	1	1.0	0.6	17	INT L
		3	521	19.47	19	7.50	155	21.37	36.30	2.6	2.6	2.5	66	19	189	.11	12	0.5	0.8	45	LOI
		3	541	58.31	19	22.87	155	3.50	7.71	1.4	1.4	1.7	39	2	106	.12	3	0.4	0.5	16	SF5
		3	637	42.49	19	29.21	155	18.54	13.83	2.1	1.7	1.1	6	0	297	.06	4	5.7	9.0	1	DEP L*
		3	732	5.43	19	25.13	155	17.24	8.29	2.0	1.2	1.3	10	1	132	.16	1	1.1	2.1	1	INT L
		3	734	37.40	19	25.03	155	16.11	10.68	2.0	1.6	1.3	17	2	112	.07	2	0.7	0.6	3	INT L
		3	837	34.02	19	19.39	155	13.40	7.69		1.4	1.1	21	2	71	.05	4	0.4	0.9	16	SF2
		3	1055	32.65	19	26.66	155	15.28	11.83	1.9	2.3	1.0	18	4	201	.15	3	1.4	1.0	0	INT L
		3	11	1 33.26	19	17.92	155	14.13	5.33	1.4	1.7	1.4	30	0	93	.12	2	0.5	1.2	22	SF2
		3	11	4 34.77	19	18.32	155	14.19	10.67	3.1	3.6	3.4	57	8	137	.13	7	0.4	0.3	48	SF2
		3	1116	42.69	19	17.38	155	14.23	6.84	1.5	2.0	1.5	32	1	123	.09	1	0.5	0.8	22	SF2
		3	1149	31.47	19	24.63	155	17.49	9.89	1.7	1.9	1.2	16	2	54	.12	1	0.9	1.1	1	INT L
		3	1240	58.83	19	26.60	155	13.01	4.60	2.2		1.6	13	2	250	.10	4	1.0	2.0	1	GLN L
		3	14	8 51.87	19	21.90	155	17.74	5.03	2.2	3.2	1.4	9	0	146	.08	3	0.6	1.2	1	SWR L
		3	1426	41.20	19	16.40	155	12.90	9.08		1.4	1.3	21	3	252	.11	2	0.8	1.1	13	SF2
		3	1629	30.36	19	26.06	155	12.98	17.05	2.1	3.1	1.3	12	3	260	.12	3	1.9	0.8	0	DEP L
		3	1647	37.91	19	26.74	155	23.48	8.58	1.6	1.7	1.7	43	7	66	.10	4	0.3	0.6	22	KAO
		3	18	2 27.16	19	24.30	155	15.82	12.98	1.7	2.0	1.0	10	3	109	.11	2	3.0	1.0	5	INT L
		3	1833	20.66	19	28.24	155	52.90	8.03	2.2	1.4	1.6	21	1	133	.15	4	0.9	0.8	16	KON
		3	1932	37.16	19	21.36	155	5.85	7.83	1.4	2.0	1.5	46	6	90	.12	5	0.3	0.3	42	SF4
		3	2019	57.46	19	13.91	155	35.23	7.81	1.9	1.3	1.6	42	4	81	.21	4	0.5	0.7	38	LSW
		3	2147	38.33	19	23.97	155	16.21	9.07	1.7		1.3	18	3	74	.15	1	0.9	0.8	16	INT L
		3	23	7 12.16	19	23.09	155	17.96	12.08	1.6	1.6	1.0	17	3	61	.11	3	0.8	1.0	16	INT L
		3	2321	33.97	19	28.88	155	27.63	4.70	1.5		1.3	40	8	40	.15	6	0.3	2.4	36	KAO
		4	348	42.25	19	24.11	155	30.21	10.35	2.0	1.3	1.5	41	4	33	.11	5	0.4	0.4	38	KAO
		4	520	9.07	19	24.93	155	15.73	9.11	2.1		1.5	18	3	117	.11	2	0.8	0.6	16	INT L
		4	535	27.52	19	23.16	155	15.85	6.14	1.6	2.0	1.1	18	2	83	.12	1	0.6	0.9	15	INT L
		4	928	19.26	19	23.48	155	19.81	2.01	1.4		1.0	8	1	257	.10	0	0.9	0.4	1	KAO L
		4	14	0 59.45	19	30.81	155	18.57	4.22	1.3	2.0	1.3	10	2	332	.11	10	4.5	14.6	2	GLN L*
		4	1414	53.78	19	22.48	155	18.14	13.26	1.7	2.3	1.2	8	1	130	.10	4	1.5	1.8	0	DEP L
		4	1445	41.91	19	23.93	155	17.56	8.28	2.4	3.0	1.6	23	3	46	.12	1	0.5	0.8	7	INT L
		4	1448	38.14	19	22.99	155	17.45	12.75	2.1		1.4	21	3	66	.13	1	0.7	1.0	18	INT L
		4	1454	7.27	19	18.08	155	15.26	15.05	1.6	2.4	1.6	9	1	263	.08	5	1.8	2.7	0	DEP L
		4	15	0 42.34	19	19.71	155	20.94	11.67	1.9	2.2	1.2	6	1	293	.03	10	4.5	3.6	1	SWR L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	4	1511	48.94	19	25.04	155	16.08	19.27	1.7	2.5	1.6	14	3	113	.12	2	2.0	1.0	5	DEP L
		4	16 8	17.08	19	26.07	155	16.60	12.24	2.1	3.0	1.3	15	2	124	.15	2	1.1	1.2	1	INT L
		4	1740	15.06	19	26.50	155	14.41	12.06	1.7	1.6	1.1	8	1	278	.04	6	3.5	1.3	0	INT L
		4	19 2	0.28	19	20.60	155	12.71	9.87		1.2	1.2	23	1	70	.08	4	0.5	0.6	18	SF2
		4	1917	11.22	19	25.49	155	18.02	11.52	1.5	2.7	1.3	16	5	167	.14	1	1.6	1.0	3	INT L
		4	2041	54.48	19	25.35	155	16.69	8.44	1.4	2.0	1.1	19	5	106	.08	1	0.6	0.8	5	INT L
		4	2134	39.65	19	24.31	155	15.65	7.94	1.9	2.4	1.3	16	3	88	.11	2	0.7	0.9	13	INT L
		4	23 0	41.12	19	24.48	155	16.15	8.27	1.6	2.2	1.0	19	2	91	.12	1	0.7	0.7	17	INT L
		4	2338	46.55	19	25.76	155	15.90	11.13	1.7	2.0	1.1	19	2	141	.16	2	1.1	0.9	18	INT L
		5	019	25.51	19	25.74	155	15.80	11.02	1.6	1.7	0.9	18	3	149	.12	3	1.1	0.6	15	INT L
		5	1 8	42.61	19	23.98	155	16.88	8.00	1.6	2.1	1.1	17	1	71	.11	1	0.5	0.9	17	INT L
		5	159	57.07	19	25.12	155	15.29	8.08	1.5	2.1	1.0	17	2	141	.11	2	0.9	0.6	17	INT L
		5	257	10.55	19	24.52	155	15.44	13.47	1.9	2.1	1.2	17	3	122	.09	2	1.1	0.7	17	DEP L
		5	259	39.37	19	49.41	155	33.99	16.59	1.0	1.7	1.7	30	4	105	.13	11	0.5	0.9	26	KEA
		5	346	50.57	19	28.24	155	27.10	9.05	2.8	2.3	2.0	55	13	67	.14	6	0.3	0.5	46	KAO
		5	422	49.61	19	20.99	155	4.46	7.56	1.7	1.9	1.8	43	4	97	.12	3	0.4	0.4	42	SF5
		5	446	24.52	19	24.67	155	17.15	13.44	2.4	3.5	1.6	18	3	63	.10	1	0.8	0.6	17	DEP L
		5	931	48.68	19	25.97	155	14.22	8.71	1.9	2.4	1.4	18	2	214	.12	2	1.1	0.9	16	INT L
		5	1217	0.75	21	42.35	157	35.66	17.15	4.7	5.5	4.0	61	9	264	.17	60	1.6	18.8	53	DIS F*
		5	15 0	4.82	19	23.87	155	17.44	3.33	2.1		1.3	9	2	89	.28	1	0.9	1.5	2	SSC L
		5	1544	5.63	19	29.69	155	27.10	4.55	2.5	2.7	2.0	44	7	69	.13	4	0.3	1.8	24	KAO
		5	1551	45.18	19	15.50	155	26.87	9.58	1.8	2.5	1.8	36	4	76	.12	5	0.4	0.8	16	LSW
		5	16 2	58.78	19	25.07	155	17.00	24.86	2.6	3.2	1.7	11	1	92	.11	0	2.7	1.7	2	DEP L
		5	1610	29.89	19	24.12	155	13.75	16.80	2.1	2.3	1.6	15	2	194	.13	1	1.6	1.2	2	DEP L
		5	1622	57.14	19	20.63	155	8.98	8.40	1.8	2.0	1.9	37	2	67	.09	3	0.4	0.7	29	SF4
		5	17 4	24.38	19	25.68	155	17.62	14.33	1.9	1.8	1.2	14	4	85	.14	1	1.7	0.7	3	DEP L
		5	1753	42.84	19	20.65	155	17.83	16.41	2.0	1.8	1.3	10	2	264	.06	5	3.0	1.3	1	DEP L*
		5	1817	31.63	19	24.44	155	19.12	9.51	2.1		1.2	14	1	118	.16	2	0.9	2.0	0	KAO L
		5	19 0	59.91	19	22.51	155	16.30	14.88	1.7	1.6	1.1	11	2	183	.17	1	2.5	1.6	0	DEP L
		5	1926	58.32	19	24.65	155	16.97	8.64	1.6	2.0	1.1	13	1	85	.08	0	0.9	1.4	2	INT L
		5	1941	31.85	19	58.13	155	30.64	31.30	3.1	3.5	2.7	63	14	173	.14	20	0.6	1.1	47	KEA
		5	2039	26.62	19	24.83	155	17.14	3.80	1.4	2.3	1.4	14	0	62	.13	0	0.4	0.5	0	SNC L
		5	21 7	36.73	19	25.61	155	15.00	3.70	1.6	1.8	1.2	11	2	181	.20	2	0.8	1.0	2	SNC L
		5	2128	53.48	19	24.48	155	18.10	6.56	1.5	1.5	1.1	15	3	79	.13	2	0.7	0.8	12	INT L
		5	2153	42.84	19	23.80	155	15.52	3.71	1.8	1.9	1.1	18	3	102	.16	2	0.5	0.5	16	SEC L
		5	2229	38.90	19	25.23	155	15.26	11.57	2.1	2.9	1.3	18	3	148	.11	2	1.1	0.6	17	INT L
		5	2316	29.97	19	25.00	155	17.09	9.56	1.7	1.9	1.1	15	2	89	.14	0	1.0	0.9	16	INT L
		5	2342	27.26	19	22.71	155	17.50	6.74	1.6	1.5	0.9	13	2	121	.08	2	0.6	1.1	14	INT L
		6	018	52.80	19	24.74	155	16.08	10.08	1.6	1.9	1.0	18	2	102	.10	2	0.7	0.8	16	INT L
		6	050	41.90	19	24.93	155	16.37	8.49	1.9	2.2	1.3	20	3	102	.12	1	0.8	0.5	17	INT L
		6	1 2	44.61	19	25.74	155	13.53	9.36	1.8	1.6	1.0	15	2	268	.12	2	1.4	0.9	13	SF2 L
		6	245	2.90	19	20.78	155	6.21	7.79	1.6	1.7	1.6	45	7	101	.12	5	0.4	0.4	38	SF4
		6	312	19.00	19	24.71	155	16.94	9.47	1.6	2.0	1.0	18	3	86	.10	0	0.8	0.6	15	INT L
		6	317	58.12	19	20.74	155	10.70	8.82	1.5	1.9	1.7	38	6	74	.11	3	0.5	0.4	39	SF3
		6	343	30.61	19	25.75	155	14.64	7.40	1.8	2.2	1.1	21	3	172	.19	2	1.0	1.0	18	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	6	534	45.70	19	23.99	155	15.73	7.22	1.7	2.2	1.1	17	3	124	.11	2	0.7	0.5	16	INT L
		6	948	27.37	19	26.38	155	17.00	6.76	1.2	2.1	1.3	11	1	112	.08	2	0.8	1.0	2	INT L
		6	1029	31.61	19	27.52	155	19.03	29.14	2.1	1.8	1.2	10	4	230	.21	3	10.8	1.7	1	DML L
		6	1254	48.65	19	23.46	155	14.92	5.23	2.1	3.2		23	3	98	.11	2	0.5	0.8	20	INT L
		6	1614	22.98	19	23.07	155	16.42	3.73	1.3	1.6		10	3	139	.07	1	0.7	0.9	7	SEC L
		6	1854	12.31	19	24.64	155	0.26	7.12	1.3	2.0	1.5	27	2	137	.14	3	0.7	0.7	12	SF5
		6	1942	28.66	19	24.12	155	17.59	9.32	1.7	1.7	1.2	11	2	81	.03	2	0.8	1.8	5	INT L
		6	2148	29.92	19	24.61	155	17.49	10.35	2.1	3.1	1.6	17	4	67	.08	1	0.8	0.5	13	INT L
		6	2152	52.25	19	26.76	155	15.67	10.63	1.4	1.9	1.3	11	1	227	.11	4	1.7	0.9	11	INT L
		6	2248	3.64	19	19.06	155	16.05	6.75	1.4	1.7	1.3	30	4	109	.12	3	0.4	0.8	25	SF1
		6	2335	10.41	19	19.00	155	13.64	7.91		1.7	1.4	31	5	83	.09	4	0.5	0.8	27	SF2
		7	017	32.36	19	26.23	155	16.06	7.50	1.2	2.2	1.2	13	3	153	.12	3	1.1	1.1	10	INT L
		7	522	44.56	19	25.51	155	14.69	7.86	2.3	2.6	1.5	18	3	191	.13	2	0.9	0.8	16	INT L
		7	524	29.99	19	23.50	155	15.25	14.15	2.2	2.6	1.4	13	3	174	.06	2	1.3	0.7	12	DEP L
		7	530	42.78	19	24.26	155	15.89	5.58	2.0	2.0	1.3	18	3	124	.15	2	0.6	0.7	16	INT L
		7	6 3	11.69	19	25.02	155	15.93	9.77	2.0	2.4	1.2	17	3	193	.10	2	1.2	0.5	14	INT L
		7	654	37.65	19	25.30	155	15.90	11.78	1.8	1.8	1.1	14	2	128	.16	2	1.5	0.7	12	INT L
		7	7 8	24.12	19	19.61	155	7.06	6.75	1.6	1.5	1.4	37	4	116	.15	4	0.4	0.7	33	SF4
		7	734	2.76	19	25.38	155	14.90	4.96	2.3	2.5	1.6	20	3	158	.12	2	0.6	0.8	17	SNC L
		7	751	33.35	19	23.86	155	17.20	9.46	1.8	1.7	1.0	19	3	63	.10	1	0.6	0.8	15	INT L
		7	8 9	4.20	19	25.60	155	15.03	2.66	1.6	1.8	1.0	15	3	179	.12	2	0.4	0.6	12	SNC L
		7	828	12.06	19	24.33	155	17.01	10.42	2.1	2.4	1.3	19	3	77	.11	1	0.8	0.8	16	INT L
		7	9 3	54.05	19	25.72	155	15.22	9.82	2.3	2.9	1.6	21	3	158	.10	2	0.8	0.6	18	INT L
		7	957	44.76	19	24.76	155	17.93	11.01	1.4	1.6	1.1	15	5	80	.12	1	1.5	0.7	11	INT L
		7	1030	40.08	19	26.20	155	15.96	8.32	0.8	2.1	1.1	13	3	157	.10	3	1.2	0.6	9	INT L
		7	1046	43.90	19	23.99	155	16.18	10.19	0.8	1.9	1.2	14	2	75	.17	1	1.4	1.3	12	INT L
		7	1120	47.57	19	26.81	155	16.76	12.54			1.3	11	2	209	.10	3	1.7	0.8	11	INT L
		7	1151	31.91	19	25.96	155	15.32	10.73	2.4		1.7	18	4	189	.06	3	1.2	0.6	15	INT L
		7	1344	26.57	19	25.18	155	16.43	9.05	2.1	2.6	1.4	15	4	109	.09	1	1.3	0.5	11	INT L
		7	1422	52.49	19	30.45	155	15.17	4.56	2.0	2.2	1.4	13	4	290	.10	10	1.8	12.0	1	GLN L*
		7	15 4	6.51	19	24.79	155	18.36	12.98	1.7	1.6	1.0	11	2	94	.10	2	1.8	1.3	2	INT L
		7	1557	13.50	19	26.37	155	16.35	10.84	2.1	2.9	1.3	18	5	143	.11	3	1.1	0.7	1	INT L
		7	1716	5.41	19	24.89	155	17.46	8.54	1.6	2.0	1.1	15	4	111	.13	1	1.1	0.9	2	INT L
		7	1754	43.60	19	25.55	155	16.33	11.26	1.6	1.6	1.1	16	3	122	.12	2	1.4	0.8	7	INT L
		7	1834	23.49	19	25.34	155	16.67	11.08	1.8	1.7	1.1	20	6	106	.13	1	1.1	0.6	3	INT L
		7	19 4	39.57	19	19.84	155	7.18	5.48	1.4	2.0	1.6	37	1	108	.11	5	0.5	1.4	31	SF4
		7	1913	38.17	19	25.71	155	17.01	11.29	1.6	1.6	1.1	13	4	104	.08	1	1.4	0.6	4	INT L
		7	1958	16.30	19	25.92	155	18.42	12.41	2.1	2.5	1.3	20	5	90	.10	2	0.9	0.5	3	INT L
		7	22 4	18.83	19	25.74	155	16.54	9.52	1.9	2.3	1.2	16	4	119	.07	2	1.0	0.7	13	INT L
		7	23 6	40.42	19	25.91	155	17.57	7.99	1.6	1.6	0.8	15	5	87	.13	1	1.3	0.7	10	INT L
		8	018	52.79	19	24.87	155	16.15	3.92	1.7	2.7	1.2	20	4	105	.17	1	0.7	0.4	17	SNC L
		8	128	33.06	19	24.28	155	15.03	7.33	1.9	2.2	1.2	18	4	146	.12	1	0.8	0.7	17	INT L
		8	145	36.35	19	46.94	155	24.03	30.75	1.8	1.6	1.6	38	4	98	.11	6	0.6	1.0	36	KEA
		8	233	13.01	19	23.91	155	17.62	8.83	1.7	1.7	1.0	19	3	46	.14	2	0.7	1.0	16	INT L
		8	241	4.95	19	19.47	155	22.16	30.70	1.8	1.4	1.5	45	6	85	.13	2	0.6	0.5	39	DEP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	8	4 0	19.23	19	25.42	155	14.57	9.34	2.1	2.8	1.2	21	4	193	.12	1	1.0	0.7	17	INT L
		8	615	51.14	19	24.35	155	16.65	11.24	1.9	2.3	1.2	21	4	81	.14	1	0.9	0.8	17	INT L
		8	730	49.69	19	19.93	155	13.08	6.47		1.1	1.0	29	5	70	.12	5	0.4	0.7	25	SF2
		8	8 0	40.12	19	25.08	155	15.06	3.51	2.1	3.0	1.5	20	4	148	.11	1	0.5	0.4	17	SNC L
		8	8 3	45.88	19	24.48	155	15.84	6.23	1.8	2.4	1.4	18	2	94	.12	2	0.5	0.8	17	INT L
		8	8 8	0.43	19	24.64	155	15.51	14.94	2.1	2.3	1.4	21	4	107	.15	2	1.2	0.7	18	DEP L
		8	821	31.96	19	24.56	155	16.94	9.94	2.1	2.3	1.4	21	4	83	.14	1	0.7	0.7	17	INT L
		8	843	14.35	19	24.39	155	16.86	10.04	2.1	2.4	1.3	19	3	81	.13	1	0.9	0.8	17	INT L
		8	910	44.24	19	24.39	155	15.68	9.67	1.7	2.1	1.2	20	4	91	.13	2	0.9	0.6	17	INT L
		8	920	54.66	19	25.58	155	14.66	7.81	1.9	2.1	1.3	19	4	193	.12	2	0.9	0.7	16	INT L
		8	948	2.10	19	20.44	155	6.71	6.55	1.1	1.5	1.4	29	4	103	.13	6	0.4	0.7	27	SF4
		8	956	59.87	19	25.02	155	15.94	7.19	1.7	2.5	1.3	14	4	116	.14	2	1.0	1.0	12	INT L
		8	1020	12.72	19	25.35	155	16.44	10.43	1.7	2.0	1.1	16	5	113	.14	1	1.1	0.6	12	INT L
		8	1038	40.77	19	19.58	155	8.72	5.75	1.8	2.1	1.9	44	7	79	.11	4	0.4	0.7	39	SF4
		8	1046	32.83	19	24.81	155	15.99	8.67	2.3	3.0	1.5	16	4	106	.11	2	0.9	1.0	13	INT L
		8	1126	56.71	19	20.13	155	6.91	8.53	2.5		2.6	46	4	107	.11	5	0.5	0.5	43	SF4
		8	1127	53.24	19	25.27	155	17.26	11.23	2.4	3.1	1.7	16	5	90	.13	1	1.2	0.7	11	INT L
		8	1159	31.29	19	23.61	155	17.23	10.70	1.9	2.4	1.2	17	5	76	.15	1	1.3	1.1	12	INT L
		8	1214	11.61	19	20.27	155	9.71	6.73		1.4	1.2	26	4	78	.12	3	0.5	0.9	21	SF3
		8	1235	2.13	19	24.48	155	16.40	9.67	2.0	2.4	1.2	17	5	88	.11	1	0.9	0.8	13	INT L
		8	1317	18.61	19	25.89	155	16.95	9.54	1.8	2.4	1.2	18	5	109	.09	1	1.0	0.6	12	INT L
		8	1338	23.20	19	25.71	155	17.44	10.36	1.8	2.3	1.1	16	4	108	.12	1	1.2	0.6	12	INT L
		8	1356	24.99	19	25.65	155	16.84	10.86	1.7	2.1	1.1	16	3	108	.07	1	0.9	0.5	12	INT L
		8	1421	11.90	19	24.97	155	17.07	10.36	2.1	2.8	1.4	16	4	89	.10	0	1.2	0.6	12	INT L
		8	15 9	33.28	19	25.32	155	16.81	10.46	1.9	2.4	1.1	16	4	103	.09	1	0.8	0.7	12	INT L
		8	1541	2.18	19	25.83	155	16.13	10.15	1.7	1.7	1.0	15	4	191	.08	2	1.6	0.6	10	INT L
		8	16 7	45.66	19	25.35	155	17.27	9.77	1.8	2.0	1.1	16	4	91	.09	1	1.0	0.5	12	INT L
		8	1649	33.34	19	25.76	155	16.55	9.62	1.8	2.1	1.2	18	5	120	.09	2	1.1	0.5	12	INT L
		8	1721	5.83	19	14.59	155	27.77	8.44	2.0	2.4	1.9	36	5	88	.14	4	0.4	0.7	32	LSW
		8	1739	57.19	19	25.59	155	16.83	8.87	2.0	2.2	1.3	14	2	108	.07	1	1.0	0.8	11	INT L
		8	1811	13.55	19	25.47	155	16.43	8.80	1.7	1.7	1.0	14	4	116	.10	1	1.0	0.8	11	INT L
		8	1915	4.17	19	25.49	155	16.16	11.64	1.8	1.9	1.1	16	3	127	.08	2	0.7	0.9	13	INT L
		8	2022	28.26	19	25.62	155	17.22	8.94	1.7	2.0	1.1	18	5	95	.10	1	0.9	0.5	13	INT L
		8	2052	43.65	19	24.73	155	17.53	9.80	1.7	1.6	0.9	16	4	70	.07	1	1.0	0.6	13	INT L
		8	2142	44.49	19	25.35	155	16.40	7.11	1.9	2.6	1.3	15	5	115	.10	1	0.9	0.5	10	INT L
		8	2238	10.05	19	24.21	155	15.80	7.11	1.6	1.7	1.0	14	3	84	.11	2	0.9	1.1	12	INT L
		9	0 8	25.78	19	26.13	155	16.34	10.52	2.0	2.3	1.2	17	5	137	.07	3	1.0	0.5	12	INT L
		9	020	22.46	19	21.11	155	5.94	8.33	2.6	3.2	2.8	52	6	95	.12	5	0.4	0.5	48	SF4 L
		9	144	0.18	19	26.43	155	15.78	8.45	1.9	2.2	1.2	17	5	173	.11	3	0.9	0.5	12	INT L
		9	244	22.78	19	25.72	155	16.75	8.51	1.6	1.9	0.9	16	5	113	.07	2	1.0	0.6	11	INT L
		9	343	6.46	19	16.33	155	23.12	0.96		1.3	1.0	17	5	119	.09	4	0.4	0.6	12	SWR
		9	543	27.69	19	29.82	155	4.15	47.93	2.1	2.1	1.9	49	5	45	.11	1	0.8	1.2	44	DEP
		9	612	32.14	19	26.42	155	14.93	11.23	1.9	2.8	1.2	17	4	205	.06	3	1.1	0.6	13	INT L
		9	618	21.47	19	20.22	155	6.49	7.91	1.6	2.1	1.8	43	6	111	.09	6	0.4	0.6	38	SF4
		9	911	17.35	19	25.61	155	16.42	9.24	1.7	1.9	1.1	17	4	121	.07	2	1.0	0.6	13	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	9	956	51.09	19	26.59	155	14.89	9.77	2.1	2.7	1.4	15	4	218	.09	4	1.2	0.8	13	INT L
		9	1037	37.74	19	26.31	155	16.65	10.12	2.2	2.8	1.6	17	4	127	.08	2	1.0	0.7	13	INT L
		9	1053	23.65	19	25.14	155	16.94	11.16	2.1	2.8	1.5	16	4	95	.13	0	1.3	0.8	12	INT L
		9	1114	12.94	19	25.39	155	16.51	8.96	2.0	2.2	1.1	18	6	112	.08	1	1.0	0.5	12	INT L
		9	1132	52.88	19	24.90	155	16.21	8.49	1.8	2.2	1.1	16	4	154	.08	1	1.2	0.7	12	INT L
		9	1139	36.25	19	24.89	155	16.38	8.08	1.6	1.5	0.9	11	3	162	.07	1	1.6	0.7	8	INT L
		9	1153	40.87	19	25.40	155	16.54	9.10	1.8	2.2	1.0	18	6	112	.07	1	1.0	0.5	12	INT L
		9	1212	39.87	19	25.98	155	15.46	7.93	1.9	2.7	1.2	18	5	172	.08	3	0.8	0.6	13	INT L
		9	1225	21.74	19	24.11	155	16.14	6.12	1.7	2.1	1.0	13	6	116	.08	2	0.9	0.6	8	INT L
		9	1241	29.92	19	25.50	155	16.04	9.34	1.8	2.2	1.1	17	6	131	.10	2	1.0	0.6	10	INT L
		9	1255	37.84	19	25.56	155	16.61	8.70	1.8	2.1	1.0	17	5	113	.07	1	1.0	0.5	11	INT L
		9	1313	59.31	19	25.22	155	16.50	9.12	1.9	2.2	1.3	15	4	107	.05	1	0.9	0.4	11	INT L
		9	1439	36.64	19	25.49	155	15.95	9.17	1.8	2.2	1.2	15	5	133	.09	2	1.1	0.6	9	INT L
		9	1510	0.77	19	20.82	155	4.11	7.36	2.5	3.2	2.8	50	4	98	.10	3	0.4	0.5	48	SF5
		9	1517	20.36	19	20.77	155	4.17	5.96	2.1	2.3	2.1	42	5	101	.10	3	0.4	0.8	35	SF5
		9	1636	34.76	19	25.04	155	16.94	7.45	2.1	2.9	1.5	18	5	93	.12	0	0.9	0.6	13	INT L
		9	17 7	30.43	19	26.30	155	16.70	10.85	2.1	2.9	1.6	18	5	126	.13	2	1.2	0.6	13	INT L
		9	1735	45.67	19	25.31	155	16.32	11.67	2.1	2.8	1.5	11	1	115	.06	1	0.9	1.0	10	INT L
		9	1942	44.89	19	19.43	155	8.15	7.38	1.7	2.2	1.7	38	2	90	.11	4	0.4	0.7	24	SF4
		10	056	19.81	19	26.48	155	15.67	10.59	1.6	1.6	1.0	11	2	180	.07	3	1.2	1.3	9	INT L
		10	639	5.03	19	15.32	155	26.45	7.08		1.5	1.4	27	2	80	.14	5	0.4	1.2	11	LSW
		10	659	52.92	19	25.33	155	17.15	9.82	2.1	2.0	1.5	13	0	65	.09	1	0.9	1.9	3	INT L
		10	722	57.39	19	25.27	155	15.00	12.23	2.0	2.3	1.5	18	2	165	.12	2	1.1	0.9	0	INT L
		10	730	29.09	19	25.23	155	16.83	9.17	1.8	2.1	1.4	16	1	100	.10	1	0.7	1.0	2	INT L
		10	740	1.70	19	28.65	155	16.82	10.56	2.0	2.0	1.3	16	4	270	.18	2	1.2	1.2	1	GLN L
		10	818	35.22	19	24.91	155	18.26	16.03	2.2	2.2	1.4	16	3	91	.20	1	2.0	2.7	2	DEP L
		10	926	34.40	19	19.44	155	12.40	5.91		1.1	1.3	22	2	87	.11	5	0.5	1.5	17	SF2
		10	950	0.83	19	20.41	155	4.61	5.80	1.5	1.4	1.8	30	0	119	.13	3	0.5	1.3	22	SF5
		10	16 8	38.29	19	20.41	155	6.01	8.01	0.8	1.3	1.5	25	2	112	.11	5	0.6	0.9	15	SF4
		10	17 5	25.98	19	21.27	155	21.26	4.84	2.1	2.2	1.3	7	1	284	.08	9	1.7	11.3	0	SWR L*
		10	1756	19.27	19	31.60	155	19.74	8.20	2.0	2.0	1.5	7	1	323	.06	9	2.8	4.8	0	MLO L
		10	1930	8.13	19	14.93	155	26.71	11.19		1.2	1.5	24	1	89	.09	5	0.4	1.0	10	LSW
		10	2258	28.70	19	25.81	155	14.14	10.01	2.1		1.7	22	4	212	.10	2	1.0	0.6	18	INT L
		11	013	13.82	19	25.93	155	13.73	9.49	1.7	1.7	1.2	17	2	225	.17	3	1.5	1.1	15	SF2 L
		11	054	16.28	19	25.77	155	14.01	12.46	2.0	1.8	1.2	20	4	215	.10	2	1.1	0.7	17	INT L
		11	7 2	29.01	19	21.73	155	5.27	7.97	1.9		2.0	50	6	82	.13	5	0.5	0.4	44	SF5
		11	9 0	55.22	19	24.42	155	15.13	8.18	1.7	1.5	1.1	22	4	94	.14	1	0.7	0.6	18	INT L
		11	1015	37.34	19	25.57	155	16.53	10.76	2.1	2.5	1.4	17	4	116	.06	1	0.8	0.6	13	INT L
		11	1023	41.83	19	24.69	155	16.45	7.77	1.6	1.7	1.2	16	3	93	.10	1	0.8	0.9	13	INT L
		11	1049	15.66	19	25.18	155	16.49	9.96	2.1		1.6	17	4	106	.11	1	0.8	1.0	13	INT L
		11	1157	58.23	19	54.73	156	0.89	49.27	2.7	2.7	2.2	44	6	237	.14	31	1.5	1.0	40	HUA
		11	1244	47.86	19	23.09	155	17.60	6.08	1.7	1.8	1.2	13	0	111	.13	1	0.9	1.5	3	INT L
		11	1324	29.01	19	21.27	155	18.31	10.86	2.4	2.6	1.5	19	4	92	.14	3	0.8	1.0	1	SWR L
		11	1339	28.61	19	24.15	155	18.97	12.61	2.2	2.2	1.4	17	5	98	.14	2	1.0	1.2	1	INT L
		11	1815	5.29	19	17.83	155	30.00	9.28	1.7	1.5	1.5	30	2	45	.11	5	0.4	0.9	18	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	11	2034	28.01	19	24.55	155	0.08	7.31		1.4	1.6	41	5 139	.14	3	0.5	0.4	36	SF5
		11	2122	57.73	19	11.00	155	41.07	3.72	2.0	1.6	1.7	44	7 122	.18	10	0.4	1.5	37	LSW
		11	2350	55.82	19	22.47	155	26.19	10.05	1.5	1.4	1.4	35	7 36	.11	3	0.3	0.5	29	KAO
		12	036	12.44	19	19.71	155	6.51	8.44		1.2	1.4	36	4 124	.12	5	0.4	0.5	33	SF4
		12	235	1.16	19	10.45	155	42.70	4.36	2.1	1.2	1.5	25	4 135	.16	13	0.6	4.9	25	LSW
		12	351	27.61	19	24.63	155	14.82	11.77	1.8	1.6	1.1	16	3 121	.11	1	1.1	0.6	14	INT L
		12	4	0 4.87	19	24.19	155	16.70	10.41	2.0	2.0	1.3	19	4 77	.13	1	0.7	0.7	16	INT L
		12	4	1 54.18	19	24.11	155	16.99	11.70	2.0	2.0	1.3	19	4 73	.14	1	0.8	0.9	16	INT L
		12	4	5 59.70	19	23.52	155	17.43	11.00	1.8	2.0	1.2	18	3 52	.11	3	0.6	0.9	15	INT L
		12	414	34.09	19	25.78	155	14.04	6.49	1.7	2.0	1.3	19	4 215	.12	2	0.7	0.7	15	INT L
		12	429	27.85	19	23.55	155	17.10	11.16	2.1	2.1	1.4	19	3 61	.13	3	0.6	0.9	16	INT L
		12	441	11.12	19	23.26	155	17.81	8.70	2.0	2.0	1.2	17	3 57	.13	3	0.6	1.0	14	INT L
		12	449	16.08	19	24.17	155	17.64	10.16	1.9	1.6	1.2	17	3 45	.08	2	0.6	0.7	14	INT L
		12	1056	11.45	19	23.89	155	16.52	8.56	1.7	1.5	1.3	14	0 71	.12	0	0.7	1.2	1	INT L
		12	1453	20.63	19	44.67	155	0.23	7.17	2.3	2.1	0.9	11	0 326	.12	42	12.4	4.2	1	HIL B*
		12	1634	13.89	19	22.66	155	18.86	16.92	2.0	2.5	1.2	14	1 89	.09	2	1.1	1.6	1	DEP L
		12	1844	10.44	19	23.04	155	16.97	9.80	1.8	1.7	1.0	11	1 79	.12	1	1.0	1.9	1	INT L
		12	2211	43.98	19	17.38	155	13.05	8.26	1.8	1.7	1.6	40	5 138	.11	1	0.4	0.5	35	SF2 L
		13	012	34.39	19	56.17	155	43.48	16.72	1.2	1.9	1.4	23	5 141	.10	11	0.7	1.2	19	KOH
		13	040	6.40	19	19.72	155	7.12	6.87	0.9	1.4	1.4	39	6 112	.12	5	0.4	0.6	35	SF4
		13	122	57.56	19	25.49	155	14.42	11.67	2.2		1.4	23	4 170	.13	2	1.0	0.7	20	INT L
		13	129	10.39	19	24.59	155	16.16	9.43	1.7	1.7	1.2	20	4 94	.14	1	0.9	0.6	16	INT L
		13	141	36.13	19	24.79	155	15.12	7.91	1.5	1.5	1.0	19	3 124	.13	1	1.0	0.6	17	INT L
		13	158	24.47	19	24.40	155	16.56	6.50	1.8	2.2	1.4	19	4 83	.15	1	0.6	0.7	16	INT L
		13	233	58.96	19	24.39	155	26.14	9.92		1.2	1.2	32	2 33	.11	2	0.4	0.6	31	KAO
		13	429	7.21	19	21.14	155	4.83	7.34	1.7	1.9	1.7	47	6 94	.16	4	0.4	0.5	41	SF5
		13	735	33.71	19	19.97	155	11.32	7.14	1.6	1.8	1.6	41	6 86	.13	5	0.4	0.6	36	SF3
		13	834	7.14	19	24.34	155	15.85	10.61	1.8	1.6	1.0	17	4 106	.10	2	1.0	0.6	14	INT L
		13	10	1 41.86	19	18.62	155	15.41	8.33	1.9	2.1	1.7	38	4 102	.12	4	0.4	0.8	27	SF1
		13	12	4 13.84	19	24.13	155	17.96	14.07	2.0	2.5	1.4	21	4 59	.23	2	1.3	1.1	1	DEP L
		13	1742	57.70	19	18.20	155	27.15	10.41	1.6	1.4	1.4	31	1 47	.11	8	0.4	1.1	21	LSW
		13	1751	7.06	19	25.03	155	15.21	13.40	1.9	1.9	1.4	15	3 138	.15	2	0.9	0.9	1	DEP L
		14	457	10.65	19	25.73	155	14.97	12.58	2.0	1.8	1.3	18	3 165	.12	2	1.0	0.9	17	INT L
		14	528	19.79	19	23.97	155	15.61	12.26	2.2	2.3	1.5	19	4 131	.11	2	1.0	0.7	17	INT L
		14	551	3.27	19	25.10	155	14.64	10.81	1.8	1.7	1.2	20	4 179	.11	1	1.0	0.5	16	INT L
		14	615	47.73	19	20.16	155	7.97	8.59	2.1	2.5	2.0	49	8 86	.13	5	0.4	0.3	45	SF4
		14	724	20.09	19	24.43	155	0.41	7.59	1.8	2.3	1.8	41	4 138	.14	3	0.5	0.4	38	SF5
		14	1259	7.03	19	20.34	155	6.86	7.66	1.1	1.6	1.6	31	1 103	.10	6	0.5	0.7	20	SF4
		14	2059	6.40	19	24.20	155	15.55	4.98	1.8	2.2	1.2	17	2 83	.10	2	0.5	0.7	16	SEC L
		14	2134	16.04	19	23.86	155	15.04	12.08	1.8	1.7	1.1	16	3 230	.08	3	1.0	0.6	16	INT L
		15	229	25.26	19	20.90	155	30.00	10.33	2.4		2.3	50	5 34	.12	5	0.3	0.4	46	KAO
		15	230	44.90	19	20.78	155	30.09	9.94	1.7	2.0	1.6	33	5 48	.11	5	0.4	0.5	30	KAO
		15	249	52.62	19	28.50	155	52.88	10.34	3.4	4.0	3.4	48	5 114	.14	4	0.5	0.4	45	KON F
		15	1752	9.08	19	27.17	155	14.83	6.30	2.0	2.4	1.5	19	6 230	.13	3	0.7	1.2	12	INT L
		15	1818	9.76	19	27.20	155	15.85	9.39	1.2	1.4	0.9	17	5 203	.18	2	1.5	1.0	12	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	16	847	6.15	19	25.78	155	16.08	11.88	2.0	1.6	1.3	21	7 138	.13	2	1.0	0.7	14	INT L
		16	929	39.15	19	27.80	155	15.51	5.61	2.0	2.3	1.4	24	10 230	.18	2	0.7	1.2	15	INT L
		16	1126	56.71	19	27.07	155	14.25	3.13	1.7	1.5	1.3	20	6 238	.13	4	0.6	0.8	14	SNC L
		16	1146	23.61	19	20.53	155	6.24	7.47	1.9	2.1	1.8	45	9 106	.15	6	0.4	0.5	37	SF4
		16	1228	52.86	19	27.14	155	15.47	10.95	1.8	2.0	1.2	22	9 213	.15	2	1.3	0.8	14	INT L
		16	1545	15.15	19	24.42	155	0.18	6.90	2.1	2.1	1.9	47	6 140	.21	3	0.7	0.4	41	SF5
		16	1615	49.24	19	25.84	155	16.08	13.67	2.1	2.3	1.5	23	8 141	.12	2	1.1	0.6	15	DEP L
		16	1619	3.28	19	27.33	155	15.33	13.57	2.1	2.1	1.5	18	7 225	.10	2	1.2	0.7	14	DEP L
		16	2058	41.83	19	28.34	155	13.90	5.85	2.0	2.1	1.5	24	9 252	.13	5	0.7	1.9	15	GLN L
		16	2241	30.81	19	27.60	155	12.74	4.37	2.2	2.9	1.2	21	6 261	.15	6	0.9	3.4	15	GLN L
		16	2253	45.14	19	17.98	155	27.68	9.86		1.2	1.4	26	8 75	.12	7	0.4	0.5	21	LSW
		16	2349	59.91	19	27.91	155	14.04	9.48	2.2	2.3	1.5	22	9 247	.14	5	1.0	0.9	14	INT L
		17	0	2 16.00	19	27.27	155	30.18	10.89	1.7	1.4	1.4	36	6 50	.14	7	0.4	0.6	30	KAO L
		17	150	9.79	19	25.30	155	19.74	6.41	2.0	2.0	1.4	37	12 50	.11	3	0.3	0.5	25	KAO
		17	229	30.06	19	26.82	155	14.99	10.58	2.0	2.8	1.3	22	10 214	.12	3	1.0	0.6	14	INT L
		17	456	6.92	19	26.87	155	14.79	10.67	2.4	2.8	1.7	21	10 222	.12	4	1.0	0.7	12	INT L
		17	7	8 49.64	19	27.16	155	15.87	11.37	1.9	1.6	1.1	21	10 199	.11	2	1.0	0.6	13	INT L
		17	819	54.07	19	24.86	155	17.45	8.25	2.0	2.5	1.2	14	1 71	.13	1	0.9	1.6	0	INT L
		17	854	39.26	19	21.25	155	18.91	3.50	1.2	1.1	1.2	14	0 81	.06	3	0.4	0.9	12	SWR
		17	1012	34.89	19	24.43	155	15.25	1.95	1.5	1.9	1.1	5	0 147	.11	2	0.9	2.5	1	SEC L
		17	1219	16.32	19	25.37	155	17.71	8.19	2.0	2.6	1.4	15	1 72	.15	0	0.8	1.6	0	INT L
		17	1423	53.65	19	23.82	155	16.91	9.67	1.7	2.3	1.0	6	1 171	.08	3	1.9	1.1	0	INT L
		17	1524	25.40	19	24.62	155	15.80	1.31	1.4	2.2	1.2	7	0 163	.12	2	0.5	0.6	2	SNC L
		17	1651	4.83	19	25.08	155	16.64	11.27	1.8	1.9	1.1	14	4 156	.13	1	1.1	1.1	1	INT L
		17	1737	14.41	19	23.19	155	18.88	7.49	1.6		0.9	9	1 223	.08	3	1.6	1.3	1	INT L
		17	1742	57.76	19	27.87	154	53.34	5.60		1.4	1.5	25	1 139	.11	3	0.6	1.0	11	LER
		17	21	5 3.21	19	23.51	155	17.09	6.06	2.0		1.3	19	3 51	.11	0	0.5	0.8	18	INT L
		17	22	5 35.77	19	58.19	155	22.82	8.69	2.2	2.5	1.9	38	5 214	.16	10	0.7	0.4	36	KEA
		18	028	59.03	19	25.25	155	14.86	7.90	1.7		0.9	20	3 172	.14	1	0.9	0.7	17	INT L
		18	223	50.11	19	27.33	154	52.88	4.79	2.1	2.1	1.8	40	5 146	.12	3	0.6	1.0	36	SLE
		18	254	58.23	19	24.80	155	16.36	6.66	1.5	2.0	1.0	18	2 98	.12	1	0.7	0.6	16	INT L
		18	737	46.22	19	25.73	155	13.97	12.21	2.1	3.0	1.6	19	2 184	.12	2	1.2	0.9	17	SF2 L
		18	931	33.61	19	24.41	155	16.15	8.98	1.7		1.1	17	2 89	.15	1	0.8	1.0	15	INT L
		18	946	10.59	19	15.29	155	12.58	6.99		1.4	1.3	28	7 240	.09	4	0.5	0.7	25	SF2
		18	10	4 33.34	19	28.10	154	53.37	5.34	2.4	2.3	2.1	50	6 120	.13	3	0.4	0.6	45	LER
		18	11	3 12.64	19	45.39	156	10.01	37.41	2.8	3.0	2.3	50	6 254	.16	35	1.2	0.9	46	HUA
		18	1421	16.73	19	24.48	155	16.53	7.22	1.9	2.3	1.3	13	3 121	.15	1	0.9	1.3	0	INT L
		18	1513	19.95	19	20.29	155	12.90	7.49	1.4	1.7	1.2	32	5 68	.10	4	0.4	0.6	19	SF2
		18	1624	46.23	19	49.82	156	16.55	2.71		1.8	1.9	28	0 301	.17	48	8.6	9.3	20	HUA *
		18	1913	43.60	19	25.59	155	15.76	8.78	1.9	2.1	1.2	19	3 145	.06	3	0.7	0.4	18	INT L
		18	2047	18.23	19	23.64	155	30.24	9.99		1.4	1.3	41	4 39	.11	5	0.4	0.5	37	KAO
		18	2224	14.20	19	26.22	155	13.68	1.96	1.7		1.3	22	3 199	.15	3	0.6	0.8	19	GLN L
		19	041	31.51	19	25.36	155	16.51	11.58	1.9	2.0	1.1	20	3 111	.11	1	0.9	0.6	17	INT L
		19	125	54.86	19	25.32	155	16.87	10.57	1.9	2.3	1.1	22	4 100	.12	1	0.8	0.6	18	INT L
		19	220	51.40	19	25.42	155	15.39	9.13	1.9	2.4	1.2	20	3 153	.08	2	0.8	0.6	17	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	19	316	6.52	19	24.29	155	16.76	9.93	1.8	2.1	1.1	18	3	79	.11	1	0.7	0.8	16	INT L
		19	435	49.09	19	22.58	155	2.50	8.04	1.7	1.6	1.5	43	5	124	.17	4	0.5	0.4	39	SF5
		19	439	49.90	19	24.87	155	15.17	6.12	1.9	2.3	1.3	20	3	160	.10	2	0.7	0.6	18	INT L
		19	541	28.28	19	24.99	155	16.45	9.31	1.7	1.6	1.0	18	5	130	.13	2	0.9	0.5	13	INT L
		19	721	31.34	19	20.70	155	22.41	10.59	1.4	1.6	1.2	33	6	67	.11	2	0.4	0.5	27	SWR
		19	915	7.22	19	25.19	155	15.38	8.70	2.1	2.3	1.3	21	4	142	.13	2	0.9	0.6	17	INT L
		19	959	31.14	19	24.12	155	16.96	11.63	2.1	2.3	1.3	19	3	73	.12	1	0.8	0.9	17	INT L
		19	1013	29.32	19	24.48	155	17.07	10.32	1.9	2.1	1.2	18	2	76	.12	1	0.8	0.9	16	INT L
		19	12 4	46.19	19	25.28	155	15.52	8.58	2.0	2.2	1.2	21	4	141	.12	2	0.9	0.6	17	INT L
		19	1251	44.49	19	24.18	155	16.45	9.71	1.8	2.1	1.1	18	3	87	.09	1	0.8	0.7	16	INT L
		19	1354	9.41	19	24.52	155	16.90	11.69	2.3		1.2	19	7	99	.12	1	1.2	0.6	1	INT L
		19	1514	52.60	19	27.97	155	12.47	13.81	2.2	2.1	1.4	11	2	279	.08	7	1.6	1.0	0	DEP L
		19	1528	33.83	19	21.42	155	4.92	5.45	1.6	1.7	1.7	34	1	88	.13	4	0.5	1.3	19	SF5
		19	1556	37.12	19	25.21	155	16.81	7.67	1.8	2.2	1.3	19	4	155	.14	1	0.9	0.6	4	INT L
		19	1626	5.62	19	26.77	155	16.07	13.44	2.1	2.3	1.2	14	5	241	.13	4	2.5	0.9	1	DEP L
		19	17 6	22.93	19	26.08	155	15.88	11.44	2.0	2.3	1.3	18	4	156	.13	3	1.0	0.8	3	INT L
		19	1745	22.42	19	25.26	155	16.34	11.07	1.8	1.7	1.0	19	6	114	.08	1	1.1	0.5	1	INT L
		19	1821	42.90	19	26.24	155	18.16	8.72	1.8	2.3	1.2	15	3	102	.12	2	0.8	1.0	2	INT L
		19	1912	13.67	19	24.29	155	16.50	11.40	1.9	2.3	1.2	21	4	81	.14	1	0.9	0.8	17	INT L
		19	1948	6.16	19	25.05	155	15.88	9.32	1.7	2.0	1.0	21	4	119	.14	2	0.9	0.5	17	INT L
		19	2040	12.66	19	26.60	155	16.12	14.35	1.9	1.9	1.3	12	3	162	.12	2	2.1	1.0	1	DEP L
		19	2124	17.88	19	24.96	155	17.28	10.60	1.5	1.7	1.1	19	4	84	.12	0	0.9	0.6	15	INT L
		19	2141	34.42	19	24.78	155	16.91	11.57	2.0		1.3	19	4	88	.07	0	0.8	0.5	17	INT L
		19	23 4	28.68	19	24.88	155	16.68	12.27	1.8		1.0	20	4	95	.10	1	0.9	0.7	16	INT L
		20	056	17.45	19	25.25	155	14.35	7.13	1.8	2.1	1.2	20	4	196	.14	1	0.9	0.9	17	INT L
		20	148	14.47	19	24.59	155	16.10	8.56	1.7	1.9	1.0	22	4	95	.14	2	0.7	0.6	18	INT L
		20	232	59.34	19	25.05	155	16.55	10.50	1.7	1.6	0.9	18	4	102	.14	1	1.0	0.7	14	INT L
		20	335	14.31	19	24.17	155	16.42	8.86	1.7	2.1	1.1	21	5	78	.09	1	0.7	0.5	17	INT L
		20	429	27.65	19	20.73	155	11.84	8.28	1.4	1.5	1.6	45	5	71	.13	4	0.5	0.4	40	SF3
		20	442	44.94	19	24.17	155	16.45	9.51	1.7	1.6	1.0	20	4	78	.12	1	0.8	0.7	16	INT L
		20	629	15.39	19	25.41	155	14.49	8.80	2.1	2.0	1.4	20	2	168	.12	1	0.9	0.8	18	INT L
		20	8 1	23.10	19	16.89	155	20.29	7.77		1.2	1.1	31	2	137	.10	4	0.5	0.7	30	SWR
		20	922	45.63	19	24.56	155	15.98	11.52	2.0	2.1	1.2	20	4	96	.13	2	1.0	0.6	17	INT L
		20	1022	18.95	19	23.53	155	17.30	8.45		1.9	1.2	14	5	177	.10	1	1.0	0.6	10	INT L
		20	1112	23.12	19	23.26	155	18.06	8.96	1.7	1.6	1.0	20	4	56	.11	2	0.6	1.0	16	INT L
		20	1232	44.52	19	24.43	155	15.61	11.09	1.8	1.7	1.2	20	3	94	.09	2	0.8	0.6	17	INT L
		20	1552	27.64	19	17.16	155	13.22	6.30		1.2	1.3	21	4	152	.09	1	0.6	0.6	18	SF2
		20	17 7	15.17	19	23.39	155	16.93	11.26	1.8	1.6	1.0	16	2	59	.13	0	0.8	1.1	16	INT L
		20	1754	59.01	19	21.30	155	30.04	9.86		1.2	1.2	34	4	46	.12	5	0.4	0.6	31	KAO
		21	019	48.22	19	25.51	155	15.30	7.40	2.1	2.6	1.2	19	4	152	.14	2	1.0	0.8	15	INT L
		21	021	50.57	19	14.96	155	22.73	7.74		1.2	0.9	20	5	191	.09	3	0.4	0.7	17	SWR
		21	439	5.57	19	15.26	155	16.10	6.45	2.1	2.5	2.0	52	6	169	.13	6	0.4	0.6	46	SF1
		21	543	29.79	18	51.61	155	15.44	11.08	2.3	2.9	1.9	23	2	304	.11	40	1.5	1.6	23	LOI L
		21	842	35.08	19	24.44	155	16.33	15.72	1.7	1.4	1.5	42	3	63	.09	1	0.5	0.3	39	DEP
		21	1830	1.85	19	25.51	155	16.84	2.59	1.3	1.5	1.1	9	0	106	.08	1	0.4	0.6	0	SNC L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	22	438	41.46	19	23.90	155	15.49	3.02	1.9	1.7	1.3	31	9	70	.10	2	0.2	0.3	22	SEC
		22	723	34.34	19	25.11	155	15.45	11.64	2.1	2.3	1.4	18	2	135	.12	2	1.0	0.6	16	INT L
		22	846	58.31	19	25.76	155	16.00	7.67	1.6	1.3	1.0	17	2	141	.12	2	0.8	0.7	16	INT L
		22	1430	8.76	19	23.10	155	30.52	9.16	2.3	2.5	2.3	47	4	50	.12	5	0.4	0.5	44	KAO
		22	16 2	31.00	19	23.21	155	2.64	7.43	1.7	1.7	1.5	33	2	123	.15	3	0.6	1.0	31	SF5
		22	17 2	27.03	19	19.86	155	12.01	8.76	1.9	2.5	1.9	44	6	83	.11	5	0.4	0.3	43	SF3
		22	1719	41.37	19	22.54	155	16.75	30.13	2.2	2.0	2.0	34	2	44	.09	2	0.8	1.2	32	DEP
		22	1832	33.69	19	20.09	155	10.97	8.23		1.2	1.4	38	4	85	.12	4	0.4	0.5	35	SF3
		22	20 7	30.85	19	20.65	155	7.16	7.90	1.6	1.7	1.9	51	5	93	.12	5	0.3	0.4	48	SF4
		22	2122	1.24	19	25.35	155	15.37	2.55	1.3	1.3	1.1	21	4	150	.12	2	0.4	0.3	17	SNC L
		23	046	44.01	19	19.88	155	7.67	7.92	1.2	1.4	1.6	45	5	97	.12	5	0.3	0.4	43	SF4
		23	159	27.72	19	20.95	155	3.83	7.41		1.4	1.7	43	4	88	.12	3	0.5	0.4	40	SF5
		23	241	29.48	19	25.88	155	19.14	7.12	1.9	1.9	1.2	26	4	90	.10	3	0.5	0.7	21	KAO
		23	4 1	20.10	19	26.01	155	15.27	10.63	1.8	1.7	1.2	19	4	182	.16	3	1.3	0.8	18	INT L
		23	12 2	10.76	19	20.18	155	11.91	7.65	1.7	1.3	1.5	35	5	78	.12	5	0.4	0.5	30	SF3
		23	1518	3.50	19	25.61	155	16.13	6.28	2.0	2.0	1.7	23	4	78	.12	2	0.5	0.5	22	INT L
		23	1542	23.05	19	20.74	155	6.91	7.40	1.9	2.1	1.8	43	2	95	.13	5	0.5	0.7	43	SF4
		23	1615	56.84	19	25.37	155	16.33	10.91	1.9	1.7	1.1	18	1	117	.10	1	0.9	1.0	17	INT L
		23	1730	56.87	19	27.37	155	6.65	14.00	2.2	2.2	1.4	17	3	312	.23	14	2.5	2.6	1	DEP L
		23	1922	35.02	19	24.47	155	15.90	11.02	2.1	2.1	1.5	13	2	99	.12	2	0.9	0.9	4	INT L
		23	2044	47.39	19	25.79	155	16.44	12.24	2.3	2.7	1.5	25	6	125	.11	2	0.8	0.6	10	INT L
		23	2226	13.57	19	26.99	155	15.83	15.00	2.1	1.8	1.5	11	2	193	.10	2	1.7	1.2	6	DEP L
		24	1020	30.41	19	16.01	155	29.37	10.24		1.3	1.4	23	2	59	.12	2	0.4	1.0	14	LSW L
		24	1626	39.61	19	19.88	155	11.78	8.95	2.5	2.9	2.7	54	7	86	.11	5	0.4	0.3	53	SF3
		24	17 0	16.54	19	23.89	155	14.84	7.23	2.4	2.7	1.8	16	0	86	.30	2	1.3	1.8	0	INT L
		24	2119	24.53	20	23.79	156	3.41	35.98	3.4	3.7	2.9	30	6	314	.11	42	0.5	0.6	53	KOH
		25	048	4.53	19	26.25	155	15.61	14.63	1.7	1.8	1.1	12	2	179	.13	3	2.1	0.8	0	DEP L
		25	711	48.24	19	18.83	155	25.97	9.88		1.2	1.2	35	5	59	.14	5	0.3	0.5	31	LSW
		25	810	42.90	19	24.59	155	16.96	6.89	1.5	2.0	0.8	17	2	83	.12	1	0.6	0.6	16	INT L
		25	925	34.53	19	25.44	155	14.54	9.36	2.3		1.6	16	1	194	.13	1	1.1	0.8	15	INT L
		25	926	27.50	19	24.42	155	16.73	10.66	2.1	2.1	1.4	21	4	83	.16	1	0.8	0.7	17	INT L
		25	1322	10.83	20	0.23	155	25.22	8.49	2.7	2.8	2.4	39	6	201	.10	15	0.4	0.5	35	KEA
		25	1821	39.26	19	18.47	155	51.19	5.17	2.5	1.8	1.8	33	2	179	.16	5	0.7	1.3	15	KON
		25	2239	50.39	19	19.41	155	51.95	5.49	2.2	1.5	1.6	31	0	178	.13	6	0.6	1.0	12	KON
		25	2329	59.64	19	58.86	155	25.62	9.65	2.5	2.0	2.1	31	0	257	.07	13	1.7	0.5	17	KEA
		25	2333	22.90	19	19.61	155	7.04	6.68	1.6		1.5	29	2	116	.10	4	0.4	1.0	16	SF4
		26	125	32.44	19	24.72	155	17.30	12.97	2.2	2.3	1.4	24	4	47	.13	1	0.7	0.6	3	INT L
		26	536	0.28	19	12.06	155	30.49	10.18		1.4	1.5	28	1	146	.12	6	0.5	1.1	12	LSW
		26	850	35.66	19	48.72	156	11.25	7.51	2.8	3.1	2.3	48	6	259	.20	39	0.9	0.6	34	HUA
		26	1351	22.54	19	23.44	155	17.93	6.89	2.1	2.5	1.3	17	2	53	.08	2	0.4	0.8	17	INT L
		26	1358	2.61	19	17.62	155	27.87	10.30		2.0	1.4	31	5	47	.11	6	0.4	0.7	28	LSW
		26	22 1	48.99	19	20.14	155	7.63	7.99	1.9		1.8	48	7	94	.13	5	0.3	0.4	42	SF4
		27	1 1	51.12	19	19.79	155	6.94	7.54	2.1		2.0	48	5	114	.13	5	0.4	0.4	46	SF4
		27	1 2	51.92	19	20.17	155	6.95	6.65	1.6	1.7	1.5	31	2	105	.12	6	0.4	1.0	33	SF4
		27	127	3.28	19	16.82	155	29.68	9.70		1.2	1.4	33	6	61	.12	3	0.4	0.5	29	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	27	149	10.49	19	19.84	155	9.36	6.98		1.2	1.1	28	5	83	.10	4	0.3	0.5	28	SF3
		27	4 4	0.46	19	22.52	155	2.40	8.31	0.8	1.2	1.4	33	5	138	.16	4	0.7	0.4	29	SF5
		27	443	52.03	19	11.35	155	40.93	1.95	2.6	3.0	2.4	49	4	119	.20	9	0.5	1.0	46	LSW
		27	524	1.90	19	22.50	155	14.07	3.12	1.5	1.5	1.4	24	6	88	.09	2	0.4	0.3	20	SEC
		27	1455	41.88	19	9.76	155	33.65	9.86	2.5	3.0	2.5	37	3	137	.13	11	0.4	0.6	27	LSW F
		27	1643	12.68	19	9.72	155	33.61	9.35	3.1	3.6	3.2	43	4	137	.13	11	0.4	0.6	41	LSW F
		27	1658	1.25	19	29.40	155	23.75	10.15	1.8	1.6	1.3	35	8	82	.12	1	0.4	0.6	22	KAO
		27	2313	17.11	19	19.68	155	12.38	9.58	5.3		5.1	46	1	83	.10	5	0.4	0.3	49	SF2 F
		27	2316	35.91	19	19.62	155	12.27	9.94	3.8	4.4	4.4	55	7	85	.10	5	0.3	0.3	52	SF3 F
		27	2323	10.69	19	20.74	155	11.39	9.21	1.8		1.7	40	6	72	.13	4	0.4	0.5	34	SF3
		27	2330	52.30	19	20.29	155	13.33	6.85	1.4	1.5	1.4	38	4	63	.14	4	0.4	0.5	36	SF2
		28	249	1.93	19	9.24	155	33.05	8.14	2.3	2.6	2.1	45	4	127	.17	9	0.4	0.8	42	LSW
		28	8 9	37.45	19	30.81	156	24.90	8.94	2.9	2.1	2.0	20	2	278	.09	52	1.3	1.1	11	DIS
		28	1850	58.15	19	9.52	155	33.50	9.02	2.4	2.7	2.3	35	2	138	.12	12	0.4	0.8	26	LSW
		28	1950	5.53	19	29.21	155	26.14	6.19	1.8	1.2	1.1	33	5	98	.11	5	0.3	1.0	18	KAO
		28	2017	57.54	19	20.32	155	17.53	33.55	2.9	3.7	3.3	65	16	54	.11	0	0.5	0.6	51	DEP F
		28	2027	22.38	19	22.00	155	17.35	25.05	2.7	3.2	2.0	9	0	112	.12	3	3.4	10.9	0	DEP L*
		28	2043	23.17	19	18.95	155	16.94	12.49	1.8	1.6	1.1	9	3	295	.26	7	4.0	3.7	1	SF1 L
		28	2050	0.83	19	25.12	155	15.40	6.15	1.6	1.8	0.9	19	4	137	.12	2	0.8	0.6	17	INT L
		28	2058	8.37	19	24.72	155	14.67	6.03	1.7	2.0	1.0	21	4	128	.12	1	0.7	0.9	17	INT L
		28	2112	25.32	19	25.12	155	16.50	10.74	2.0	2.1	1.2	22	4	105	.15	1	0.9	0.6	18	INT L
		28	2128	37.08	19	24.43	155	17.99	9.78	2.0	2.5	1.2	20	5	58	.13	2	0.7	0.6	15	INT L
		28	2135	36.54	19	24.36	155	17.08	8.32	2.2	2.9	1.5	22	4	76	.14	1	0.7	0.7	18	INT L
		28	2148	13.27	19	24.26	155	17.06	9.67	1.8	2.4	1.1	21	4	75	.12	1	0.7	0.8	17	INT L
		28	22 6	32.78	19	24.83	155	16.08	10.81	2.1	2.4	1.3	20	3	105	.14	2	1.0	0.7	17	INT L
		28	2218	34.71	19	25.35	155	17.15	8.90	1.6		1.1	20	3	94	.12	1	0.8	0.5	6	INT L
		28	2229	48.56	19	26.73	155	17.91	8.79	2.0	2.4	1.2	15	5	118	.20	3	1.5	0.9	6	INT L
		28	2241	13.81	19	23.66	155	17.29	12.53	2.1	2.2	1.2	17	4	57	.28	1	1.4	2.3	5	INT L
		28	2254	22.02	19	23.85	155	17.36	10.53	2.1		1.3	18	5	86	.31	1	1.6	1.4	4	INT L
		28	23 8	3.05	19	23.99	155	16.51	15.84	2.2	2.4	1.2	19	4	73	.16	0	1.3	1.0	5	DEP L
		28	2317	47.69	19	26.42	155	17.68	10.11	1.9	2.0	1.1	15	3	116	.14	2	1.4	0.7	6	INT L
		28	2322	40.52	19	23.16	155	2.87	7.75	1.1	1.4	1.6	39	4	118	.15	3	0.4	0.6	23	SF5
		28	2329	44.05	19	25.66	155	16.70	12.21	2.1	2.3	1.2	16	4	113	.15	2	1.3	0.9	3	INT L
		28	2342	41.72	19	25.48	155	16.61	11.95	2.1	2.4	1.2	13	4	111	.15	2	1.6	1.1	3	INT L
		29	0 0	23.91	19	25.47	155	16.40	10.33	2.1	2.3	1.3	15	1	118	.07	1	0.9	0.7	2	INT L
		29	0 1	45.78	19	27.25	155	16.98	12.63	2.2	2.3	1.2	18	4	111	.13	1	1.5	1.2	3	INT L
		29	015	52.34	19	26.24	155	16.41	11.75	2.0	2.0	1.2	19	5	137	.16	3	1.6	0.6	3	INT L
		29	028	34.26	19	25.52	155	17.36	10.48	2.0	2.3	1.2	15	5	91	.11	0	1.2	0.9	2	INT L
		29	049	23.84	19	24.24	155	17.81	10.29	2.1		1.2	17	2	59	.14	2	0.9	0.9	17	INT L
		29	049	36.37	19	20.21	155	8.08	7.11	2.1	2.3	2.1	43	1	84	.13	5	0.5	0.6	46	SF4
		29	1 0	37.46	19	24.31	155	29.58	9.82		1.2	1.3	39	3	31	.12	5	0.4	0.5	36	KAO
		29	1 1	50.45	19	26.02	155	16.04	8.83	1.8	2.1	1.1	19	4	147	.12	3	0.9	0.5	17	INT L
		29	127	18.61	19	24.65	155	17.80	11.16	2.1	2.3	1.3	21	4	55	.12	1	0.7	0.8	17	INT L
		29	152	19.12	19	25.13	155	16.89	9.30	2.1		1.3	21	4	96	.09	0	0.6	0.4	18	INT L
		29	2 4	25.04	19	25.47	155	15.84	8.58	2.0	2.0	1.2	19	3	137	.15	2	0.9	0.6	18	INT L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK
1989	DEC	29	220	3.78	19	24.25	155	17.40	11.23	2.1	2.3	1.2	17	2	52	.15	1	0.9	1.1	17	INT L
		29	235	41.17	19	24.24	155	17.19	10.08	2.0	2.0	1.2	21	3	65	.15	1	0.7	0.8	18	INT L
		29	254	58.37	19	23.64	155	17.95	10.22	2.0	2.1	1.2	21	4	49	.16	2	0.7	1.1	17	INT L
		29	319	39.08	19	25.10	155	16.09	10.89	2.1		1.3	18	1	115	.12	2	0.7	0.8	18	INT L
		29	336	10.15	19	25.61	155	16.22	9.23	2.0	2.4	1.2	20	4	128	.10	2	0.7	0.5	17	INT L
		29	355	52.08	19	25.53	155	16.11	9.31	2.1	2.2	1.3	21	4	129	.10	2	0.8	0.5	18	INT L
		29	425	5.07	19	24.39	155	17.08	10.16	2.1	2.6	1.3	18	2	75	.12	1	0.8	0.9	16	INT L
		29	432	1.24	19	20.05	155	29.18	11.82	2.8	3.1	2.6	52	7	38	.11	5	0.3	0.4	44	KAO
		29	451	15.28	19	24.98	155	17.17	8.35	2.0	2.4	1.3	13	1	87	.13	0	0.9	1.0	2	INT L
		29	533	58.20	19	25.23	155	17.38	6.08	1.8		1.3	12	1	86	.12	0	0.7	1.3	2	INT L
		29	621	36.88	19	21.92	155	18.37	11.21	2.2	2.4	1.4	11	3	237	.20	4	2.4	1.5	4	SWR L
		29	7 9	26.08	19	25.70	155	17.47	6.99	2.0	2.3	1.3	14	2	90	.08	1	0.7	0.9	4	INT L
		29	715	46.18	19	19.67	155	11.76	7.27	1.6	1.5	1.6	29	2	90	.13	6	0.5	0.9	21	SF3 L
		29	736	52.90	19	16.18	155	20.70	18.88	2.4	2.0	1.2	8	0	319	.15	14	12.2	10.1	0	DEP L*
		29	758	32.93	19	20.13	155	10.56	7.79	1.8	1.8	1.7	41	3	84	.10	4	0.4	0.5	33	SF3
		29	8 1	10.87	19	20.06	155	10.44	6.64		1.1	1.3	12	1	101	.12	4	0.6	1.4	7	SF3
		29	8 2	18.15	19	20.06	155	10.64	8.53		1.4	1.2	9	1	96	.03	4	0.8	1.6	6	SF3
		29	8 3	47.48	19	19.88	155	10.67	7.88			1.2	22	5	95	.10	4	0.5	0.8	19	SF3
		29	8 4	5.38	19	21.11	155	9.08	6.07		1.1		9	1	133	.23	2	1.3	2.3	9	SF4
		29	813	21.18	19	25.68	155	15.50	8.26	2.1	2.5	1.3	18	3	159	.08	3	0.8	0.5	16	INT L
		29	848	41.62	19	25.85	155	17.04	8.19	2.3		1.5	21	1	67	.15	1	0.6	0.7	2	INT L
		29	854	12.65	19	25.86	155	17.37	8.01	1.8	2.2	1.4	12	5	266	.12	1	1.9	0.9	1	INT L
		29	856	10.41	19	24.36	155	18.46	11.33	1.9	2.3	1.4	12	4	112	.09	2	1.6	0.7	1	INT L
		29	859	1.29	19	21.90	155	17.64	4.76	1.7	2.3	1.2	14	5	233	.13	3	0.9	1.5	3	SWR L
		29	9 7	20.11	19	23.51	155	17.62	7.39	1.8	2.7	1.3	14	2	140	.17	2	1.0	1.4	4	INT L
		29	936	38.31	19	25.93	155	16.67	9.96	1.7	1.9	1.0	16	4	119	.08	2	1.1	0.5	12	INT L
		29	945	3.52	19	25.96	155	15.56	7.88	1.6	1.9	1.0	13	4	167	.09	3	0.9	1.3	10	INT L
		29	1149	28.21	19	25.52	155	15.88	8.09	1.8	2.3	1.2	19	6	137	.07	2	0.7	0.6	13	INT L
		29	1210	32.81	19	25.86	155	15.57	8.62	1.8	2.1	1.1	18	6	163	.10	3	1.0	0.9	12	INT L
		29	1236	25.09	19	26.10	155	15.77	8.92	1.7	1.9	1.0	14	4	163	.06	3	0.9	0.6	9	INT L
		29	1331	45.79	19	24.52	155	17.68	10.51	1.9	2.3	1.2	16	5	110	.25	1	1.7	1.1	5	INT L
		29	1410	7.73	19	21.70	155	17.97	4.20	1.8	2.1	1.2	17	5	189	.12	4	0.5	1.1	1	SWR L
		29	1458	38.48	19	22.25	155	17.45	8.22	1.8	2.1	1.2	14	4	188	.11	2	1.1	1.8	3	INT L
		29	1541	58.62	19	24.31	155	17.43	11.62	1.8		1.0	11	3	102	.14	2	1.2	1.1	1	INT L
		29	1639	51.13	19	23.82	155	20.00	10.28	2.1	2.6	1.3	14	4	241	.17	5	2.4	1.0	6	KAO L
		29	17 8	30.98	19	19.46	155	11.81	8.90	1.6	1.7	1.5	26	2	93	.07	5	0.5	0.8	19	SF3
		29	18 4	8.61	19	25.64	155	16.82	7.74	2.0	2.3	1.3	20	4	109	.10	1	0.6	0.6	2	INT L
		29	1842	8.42	19	19.41	155	11.64	6.63		1.5	1.3	24	2	96	.08	5	0.5	0.9	19	SF3
		29	1855	31.85	19	23.62	155	18.38	3.80	1.5	1.8	1.2	12	0	98	.13	2	0.6	0.8	3	SSC L
		29	19 0	3.31	19	26.08	155	18.25	11.37	1.9		1.4	17	1	97	.18	2	1.2	2.5	0	INT L
		29	1928	50.43	19	24.67	155	18.09	10.50	1.7	2.0	1.1	16	4	67	.12	2	1.2	0.9	4	INT L
		29	1941	25.77	19	24.55	155	16.67	9.63	1.8	2.1	1.2	15	4	86	.16	1	1.5	1.1	2	INT L
		29	20 9	56.75	19	24.99	155	15.89	12.90	1.8		1.0	10	3	115	.10	3	1.1	0.8	2	INT L
		29	2022	7.15	19	24.34	155	18.57	12.50	1.8	1.9	1.2	13	3	89	.12	2	1.4	0.9	0	INT L
		29	2050	8.09	19	23.33	155	19.53	12.52	2.0	1.9	1.1	15	4	233	.11	1	1.8	1.0	1	KAO L

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	CD MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	NO FM	RMK	
1989	DEC	29	2229	49.00	19	25.03	155	16.87	8.29	1.9	2.2	1.2	17	1	95	.11	0	0.7	0.9	16	INT	L
		29	2346	54.36	19	25.89	155	16.70	9.95	1.8	2.0	1.1	20	4	118	.12	2	0.9	0.4	17	INT	L
		30	052	11.07	19	22.97	155	17.83	5.47	1.5	1.5	1.0	9	2	97	.09	4	0.6	1.6	9	INT	L
		30	151	0.94	19	24.59	155	16.63	11.73	2.0	2.6	1.2	19	4	87	.11	1	0.8	0.7	15	INT	L
		30	3	3 42.13	19	26.84	155	29.97	9.76	2.1	2.0	1.6	44	7	42	.13	6	0.3	0.5	38	KAO	
		30	435	1.74	19	23.76	155	17.35	9.44	2.0	2.7	1.0	16	2	56	.12	2	0.6	0.9	14	INT	L
		30	523	3.06	18	56.42	155	19.90	13.93	2.1	1.8	1.8	43	7	244	.12	28	0.6	0.8	36	LOI	
		30	542	21.62	19	10.40	155	41.88	4.78	2.5	2.3	1.8	40	8	130	.22	12	0.5	3.6	33	LSW	
		30	710	35.48	19	24.93	155	16.85	12.15	1.8		1.1	15	2	93	.11	0	1.0	0.7	13	INT	L
		30	1014	25.15	19	26.72	155	20.10	5.04	2.3	1.7	1.3	35	7	103	.14	2	0.4	0.6	27	KAO	
		30	1150	49.40	19	25.01	155	16.56	9.88	2.0	2.7	1.4	19	4	101	.11	1	0.9	0.6	15	INT	L
		30	1316	47.24	19	24.47	155	31.93	7.16	2.2	2.4	1.8	31	5	39	.14	2	0.5	0.6	26	KAO	
		30	1335	14.28	19	24.32	155	31.75	7.05			1.1	16	3	89	.10	2	0.6	0.8	13	KAO	
		30	1335	45.39	19	24.49	155	32.64	7.33	2.0	2.0	1.7	22	2	42	.10	1	0.4	0.6	21	MLO	
		30	1437	0.39	19	25.00	155	15.85	7.22		1.7	1.0	13	2	117	.08	2	0.9	0.5	11	INT	L
		30	1822	45.17	19	22.36	155	29.73	9.79	2.2	2.3	2.1	45	4	34	.12	4	0.4	0.4	41	KAO	
		30	1917	16.73	19	24.12	155	16.12	10.81	1.9		1.2	20	3	79	.11	1	0.8	0.7	17	INT	L
		30	2153	11.01	19	23.11	155	6.17	2.21		1.8	1.1	9	1	118	.09	3	0.6	0.4	9	SME	
		30	2210	57.74	19	19.80	155	11.80	6.54	1.4	1.5	1.4	40	7	87	.13	5	0.4	0.5	34	SF3	
		30	2254	23.50	19	24.88	155	16.09	4.47	1.4	1.8	1.0	18	2	106	.10	2	0.6	0.5	16	SNC	L
		30	23	7 8.14	20	52.84	156	14.58	24.18		2.3	2.1	30	5	334	.13	97	2.6	4.7	31	DIS	
		30	2338	28.46	19	28.85	155	27.74	5.51	2.0	1.6	1.2	33	5	54	.13	6	0.3	1.3	29	KAO	
		31	657	32.49	19	24.77	155	16.31	8.12	2.2	2.5	1.4	20	3	98	.10	1	0.7	0.5	17	INT	L
		31	7	6 17.23	19	19.94	155	11.98	7.61	2.6		2.7	52	5	82	.14	5	0.3	0.4	50	SF3	
		31	13	1 54.33	19	24.67	155	17.23	10.14	1.8	2.0	1.1	18	2	53	.13	1	0.9	1.1	16	INT	L
		31	1424	51.20	19	19.27	155	12.82	7.55	1.4	1.8	1.6	46	6	84	.13	4	0.4	0.4	40	SF2	
		31	1851	31.66	20	53.03	155	58.01	16.60		2.6	2.4	27	5	340	.18	86	2.4	19.3	23	DIS	*
		31	1858	16.74	19	25.13	155	15.85	11.96	1.8	2.2	1.2	18	2	123	.10	2	0.9	0.7	16	INT	L
		31	1942	55.18	19	20.20	155	11.88	7.30	2.3	2.7	2.2	51	4	79	.14	5	0.4	0.4	50	SF3	
		31	2156	1.00	19	25.30	155	16.12	10.18	1.7	1.9	1.1	16	2	121	.10	2	0.9	0.5	15	INT	L

Table 6.

1989 HVO EARTHQUAKE SUMMARY LIST M>=3.0

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	
1989	JAN	9	2337	54.06	19	15.97	155	22.84	7.75	3.0	3.7	55	10	132	.16	4	0.4	0.5	48	SWR	F
		9	2358	15.64	19	15.76	155	23.11	8.62	2.8	3.2	52	7	130	.16	3	0.4	0.6	47	SWR	F
		10	017	2.36	19	15.15	156	27.65	23.14	3.3	2.8	36	3	302	.11	62	1.2	5.4	38	DIS	
		10	12 4	8.01	19	46.88	155	47.24	13.47	3.4	3.2	55	13	153	.14	12	0.4	0.2	45	HUA	F
		17	1937	20.73	19	17.12	155	30.38	9.09	3.1	3.4	46	3	48	.14	4	0.4	0.6	37	LSW	F
		24	815	23.60	18	51.43	155	15.04	11.85	2.8	3.4	32	3	264	.11	40	1.8	1.3	30	LOI	
		24	836	33.51	18	51.82	155	17.32	12.29	2.8	3.3	29	1	262	.11	38	2.7	1.6	30	LOI	
		24	853	6.19	18	53.71	155	18.30	13.88	3.3	3.8	32	1	256	.12	34	1.7	1.5	33	LOI	
		24	857	11.99	18	52.74	155	17.31	12.04	2.7	3.3	30	2	261	.11	36	1.6	1.1	28	LOI	
		24	922	0.02	18	53.25	155	18.68	15.60	2.9	3.4	31	2	256	.11	34	1.4	3.4	31	LOI	
		24	926	39.74	18	55.15	155	18.19	9.94	3.1	3.7	32	2	250	.14	32	1.4	0.7	32	LOI	
		24	955	21.56	18	53.87	155	18.10	12.79	3.3	3.6	44	2	247	.09	34	1.3	0.9	42	LOI	
		25	156	39.04	19	21.63	155	30.13	10.26	3.3	3.4	58	9	33	.12	5	0.3	0.5	49	KAO	
		26	1352	25.57	18	50.17	155	12.32	10.13	2.9	3.1	40	4	262	.12	45	0.8	1.3	38	LOI	
		29	824	39.55	19	20.20	156	18.62	72.70		3.0	12	4	307	.11	44	2.5	1.3	8	KON	
		31	22 3	0.14	19	52.60	155	33.25	25.70	3.4	3.9	56	7	126	.12	11	0.7	1.1	49	KEA	F
	FEB	3	152	47.12	19	36.60	155	57.50	36.89	3.3	3.5	51	8	246	.11	14	0.9	0.5	49	KON	
		3	1921	0.41	19	19.98	155	8.00	9.41	3.5	3.7	48	2	88	.11	5	0.4	0.4	50	SF4	
		6	1342	20.12	19	19.29	155	13.21	9.28	2.9	3.2	46	4	124	.13	6	0.4	0.5	42	SF2	
		15	1941	12.85	19	18.93	155	13.71	9.83	3.3	3.4	60	13	67	.12	4	0.3	0.2	51	SF2	
		26	15 0	14.36	19	23.29	155	28.04	27.63	3.1	3.4	12	2	265	.04	2	1.7	1.1	0	DML	L
		27	856	53.69	19	19.29	155	11.20	9.60	3.0	3.2	56	10	102	.11	6	0.3	0.3	51	SF3	F
		27	1227	5.68	19	21.44	155	17.83	15.87	2.8	3.3	18	5	136	.25	3	1.6	1.6	1	DEP	L
	MAR	2	516	53.98	19	23.36	155	17.36	13.83	2.9	3.4	19	4	60	.17	1	1.0	0.9	17	DEP	L
		2	819	43.47	19	10.95	155	38.93	4.43	2.9	3.2	43	5	107	.17	8	0.6	1.9	38	LSW	
		2	1925	14.61	19	17.41	155	16.53	11.88	2.9	3.2	8	4	263	.11	11	1.9	0.7	3	SF1	L
		4	240	52.00	19	55.37	156	24.35	32.17	3.2	3.5	50	5	287	.14	65	1.4	2.5	47	DIS	
		4	1817	47.43	21	37.24	160	10.47	6.44		4.8	32	10	349	.18	497	11.6	15.7	22	DIS	*
		5	1536	19.51	19	25.84	155	11.01	17.70	2.9	3.2	9	1	293	.07	10	2.7	1.0	0	DEP	L
		11	10 2	47.10	19	25.04	155	17.20	12.48	2.6	3.5	17	3	87	.11	0	1.1	0.9	15	INT	L
		14	2356	10.80	19	16.32	155	27.32	9.30	2.7	3.3	51	8	129	.14	5	0.4	0.6	45	LSW	
		15	955	6.44	19	20.04	155	11.91	8.91	2.9	3.1	54	10	81	.12	5	0.4	0.3	48	SF3	
		15	2348	45.26	19	25.39	155	16.32	10.78	2.7	3.3	19	3	118	.10	2	0.9	0.6	17	INT	L
		16	4 4	59.88	19	15.88	155	51.13	10.56	3.1	3.1	53	7	128	.13	2	0.6	0.4	46	KON	
		20	1815	55.54	19	20.31	155	17.19	8.37	2.8	3.2	11	3	267	.09	4	1.1	2.2	1	SWR	L
		22	1155	33.22	19	18.00	155	15.85	10.37	3.0	3.0	53	8	140	.13	5	0.4	0.3	48	SF1	
		24	13 2	32.39	19	25.23	155	16.30	13.81	2.8	3.8	10	2	166	.06	1	1.7	2.5	0	DEP	L
		28	1236	56.79	19	26.36	155	16.80	11.07	2.8	3.3	40	7	68	.12	2	0.5	0.4	32	INT	L
		30	1617	24.35	19	25.17	155	16.09	11.10	2.8	3.2	15	2	118	.12	2	0.8	1.2	3	INT	L
		31	8 5	17.43	18	52.21	155	15.68	12.01	3.8	4.3	49	1	254	.10	39	1.6	1.2	48	LOI	
	APR	1	930	33.90	19	25.06	155	17.25	14.37	2.7	3.3	18	7	86	.12	1	1.3	0.8	14	DEP	L
		3	854	13.61	19	25.32	155	16.43	12.11	2.8	3.5	27	5	72	.14	1	0.8	0.5	24	INT	L
		3	1052	18.36	19	24.55	155	15.65	11.14	2.9	3.4	22	5	79	.10	2	0.7	0.5	19	INT	L
		4	657	23.55	19	25.62	155	15.96	12.55	2.8	3.2	21	4	92	.18	2	0.9	0.7	18	INT	L
		4	9 9	57.37	18	59.56	155	17.15	22.42	4.5	4.6	60	11	256	.14	26	0.8	2.2	53	LOI	F

1989 HVO EARTHQUAKE SUMMARY LIST M>=3.0

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
1989	APR	5	539	28.95	19	29.48	155	51.92	11.36	2.9	3.2	40	7	185	.14	11	0.7	0.3	34	KON F
		5	21 0	24.75	19	19.60	155	11.60	8.64	3.0	3.1	52	8	92	.11	5	0.4	0.4	35	SF3
		8	458	15.32	19	24.42	155	18.57	6.42	3.1	3.3	53	11	33	.13	2	0.3	0.4	46	INT
		9	449	48.72	19	12.32	155	7.80	22.18	3.1	3.3	64	14	201	.13	9	0.6	1.0	51	DEP
		14	1731	54.70	19	11.61	155	38.01	2.78	3.3	3.0	45	9	99	.19	6	0.4	0.9	42	LSW
		17	2029	41.88	19	25.55	155	15.79	10.99	2.7	3.4	19	5	142	.15	2	1.1	0.9	1	INT L
		18	1412	8.22	19	27.08	155	16.19	6.89	2.7	3.3	13	5	179	.21	2	1.4	1.1	1	INT L
		19	754	54.41	19	19.16	155	28.43	10.56	3.1	3.2	57	9	41	.12	6	0.3	0.4	51	KAO F
		27	18 7	46.38	19	14.78	155	39.47	5.69	3.1	3.7	36	1	227	.23	4	1.5	1.3	28	LSW F
	MAY	6	8 9	27.72	19	21.50	155	2.01	8.88	3.7	3.7	56	6	150	.11	3	0.5	0.3	51	SF5 F
		12	1944	42.52	19	8.94	155	37.93	9.51	3.3	3.6	54	9	107	.21	11	0.5	0.7	51	LSW
		17	1 7	16.78	20	17.38	155	32.27	25.38	3.1	3.1	55	7	265	.12	31	0.6	1.5	53	KEA
		19	1941	46.57	19	30.19	155	27.45	5.82	3.2	3.2	61	12	58	.11	3	0.2	0.6	52	MLO
		26	2051	20.86	19	17.01	155	58.35	40.69	3.8	4.2	55	8	251	.11	11	0.7	0.9	50	KON F
		30	2019	2.24	19	21.44	155	2.89	8.81	2.9	3.1	53	5	121	.11	3	0.5	0.4	45	SF5
	JUN	1	836	56.46	19	21.36	155	2.94	9.18	3.8	4.0	57	7	118	.11	3	0.5	0.4	50	SF5 F
		1	9 6	9.83	19	21.57	155	2.96	8.94	2.9	3.2	55	9	116	.11	3	0.4	0.3	48	SF5 F
		5	2149	6.71	19	49.88	155	43.10	19.84	3.4	3.9	59	14	131	.12	7	0.4	1.1	50	HUA F
		12	1534	36.69	19	26.08	155	35.41	16.78	3.7	4.1	54	5	49	.10	3	0.4	0.7	45	DML F
		19	056	6.02	19	25.12	155	15.70	9.50	2.6	3.4	18	4	127	.15	2	1.1	0.6	15	INT L
		19	956	56.25	19	20.03	155	6.76	8.76	3.0	3.1	50	6	111	.11	5	0.5	0.4	47	SF4
		22	345	42.37	20	5.71	155	25.40	0.30	3.0	3.1	58	5	220	.13	24	0.8	0.3	52	KEA F
		25	1727	3.91	19	21.69	155	5.01	9.27	6.2	6.2	53	0	81	.11	5	0.5	0.4	55	SF5
		25	1837	13.22	19	21.51	154	59.15	8.17	3.1	3.6	44	0	193	.12	7	0.8	0.5	37	LER
		25	1852	10.60	19	20.15	154	58.76	9.81	3.3	4.0	56	8	205	.15	7	0.7	0.4	48	LER
		25	1944	30.65	19	21.70	154	59.80	0.29	3.4	4.0	39	1	185	.13	6	0.5	0.6	18	SLE
		25	20 6	10.57	19	21.98	154	58.29	4.46	3.8	4.3	37	2	202	.11	6	0.8	1.1	29	SLE
		25	2319	29.78	19	20.51	154	57.13	5.79	3.0	3.4	23	0	217	.14	9	1.5	1.2	26	LER
		25	2335	47.40	19	22.92	155	4.76	8.62	3.0	3.4	35	0	82	.10	3	0.4	0.4	34	SF5
		26	432	32.85	19	21.11	154	57.28	5.31	2.8	3.3	26	0	214	.19	8	1.4	1.1	26	LER
		26	710	40.92	19	17.65	155	12.73	9.83	2.9	3.2	35	3	148	.11	8	0.6	0.8	32	SF2
		26	852	28.07	19	20.05	154	57.33	5.85	3.9	4.2	35	1	218	.11	10	1.0	0.7	32	LER
		26	14 6	40.29	19	21.24	154	58.21	0.97	3.0	3.7	45	6	202	.12	7	0.6	0.4	29	SLE
		26	1428	26.58	19	21.34	154	58.77	1.47	2.7	3.5	28	4	197	.17	7	0.7	1.1	25	SLE
		26	1517	7.87	19	20.78	155	17.20	34.49	3.0	3.8	36	0	60	.10	1	0.7	1.3	27	DEP F
		27	940	12.67	19	20.91	155	1.56	0.63	2.5	3.6	46	7	176	.13	3	0.7	0.3	43	SSF
		28	1755	28.33	19	12.92	155	31.05	0.00	2.9	3.2	51	8	73	.25	8	0.4	0.3	34	LSW *
	JUL	2	650	41.52	19	22.82	155	4.09	8.47	2.8	3.3	53	10	90	.12	3	0.3	0.5	32	SF5
		2	1040	33.10	19	20.51	155	7.58	8.61	2.9	3.1	53	7	90	.12	5	0.3	0.5	39	SF4
		4	1554	7.18	19	13.78	155	16.67	4.86	3.0		9	1	314	.09	16	2.6	12.6	0	SSF L*
		13	2 2	10.85	20	21.82	155	32.64	0.02	3.0	3.6	44	2	279	.15	36	1.5	0.6	52	KEA *
		14	014	48.13	19	22.57	155	5.94	7.97	2.9	3.4	55	9	67	.12	3	0.3	0.5	43	SF4
		18	1823	29.28	19	46.03	156	9.14	9.72	3.0	3.5	43	3	255	.11	40	1.2	0.8	37	HUA
		19	415	8.08	19	46.11	156	5.24	8.46	3.1	3.4	33	4	241	.15	28	1.3	0.8	24	HUA
		21	149	35.74	17	48.31	157	9.92	49.61		3.4	22	0	346	.13	206	16.4	2.5	23	DIS *

1989 HVO EARTHQUAKE SUMMARY LIST M>=3.0

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	
1989	JUL	22	21 2	7.64	19	26.96	154	53.04	8.05	3.1	3.4	47	5	159	.16	3	0.9	0.4	43	LER	F
		24	2355	41.50	19	25.59	155	26.76	8.06	3.0	3.1	57	9	38	.14	3	0.3	0.4	50	KAO	
		28	20 3	18.63	19	22.53	155	18.50	6.58	2.3	5.2	12	4	182	.10	3	1.3	1.1	11	INT	L
		29	1515	6.64	19	19.53	155	8.53	9.06	3.2	3.3	49	6	79	.11	4	0.4	0.4	50	SF4	F
	AUG	9	2039	22.05	19	21.05	155	6.52	7.30	2.9	3.5	60	7	93	.14	5	0.4	0.3	53	SF4	F
		21	054	21.00	19	52.12	155	33.26	20.55	3.1	3.5	60	12	122	.13	11	0.4	0.9	48	KEA	
		21	151	26.67	19	46.49	156	9.21	39.65	3.5	3.6	70	22	252	.16	34	0.5	0.8	49	HUA	
		26	1420	40.61	19	21.53	155	5.08	9.09	2.9	3.4	50	8	85	.10	5	0.3	0.3	45	SF5	
	SEP	10	557	47.37	19	18.35	155	0.80	36.12	3.3	3.4	60	9	199	.12	5	0.9	0.5	51	DEP	F
		13	2018	32.76	19	18.47	155	13.32	9.83	3.1	3.4	52	6	131	.11	8	0.5	0.4	48	SF2	
		14	6 2	10.51	19	56.08	155	53.31	25.48	2.8	3.4	37	8	209	.11	24	0.9	1.1	31	KOH	
		14	951	6.50	19	55.11	155	55.78	24.64	2.6	3.5	28	8	215	.12	27	1.1	1.7	23	KOH	
		16	043	46.51	19	19.83	155	7.16	9.58	3.0	3.6	58	9	108	.11	5	0.5	0.4	51	SF4	
		22	617	42.67	19	20.06	155	11.87	9.97	3.3	3.7	53	7	81	.10	5	0.4	0.3	50	SF3	F
		25	14 7	41.49	19	40.37	155	2.83	2.08	2.8	3.3	29	0	230	.14	19	1.2	15.3	34	HIL	B*
	OCT	2	126	17.72	19	28.08	155	36.76	14.74	2.6	3.7	18	0	176	.12	2	1.1	0.7	21	DML	L
		10	20 8	23.72	19	24.04	155	18.42	8.82	2.5	3.7	18	3	78	.11	3	0.6	0.8	17	INT	L
		12	321	4.56	20	0.57	155	26.45	10.34	3.0		57	7	201	.12	17	0.6	0.4	53	KEA	
		16	1025	49.56	20	23.85	154	4.90	32.50	3.2	4.7	49	9	339	.12	125	1.7	3.0	48	DIS	
		19	15 1	47.70	19	26.13	155	16.48	11.75	2.6	3.7	19	5	131	.23	2	1.6	1.1	6	INT	L
		21	224	49.31	19	17.56	155	27.55	10.53	2.9	3.1	55	7	49	.14	6	0.3	0.4	51	LSW	
		24	033	34.08	19	56.75	155	31.60	33.87	3.3	3.5	62	10	159	.13	17	0.6	0.6	53	KEA	
	NOV	2	2 3	59.89	19	17.34	155	29.38	10.28	2.9	3.5	51	3	54	.14	4	0.4	0.4	50	LSW	F
		2	554	20.01	19	21.04	155	6.91	9.17	3.3		55	7	89	.12	4	0.5	0.4	50	SF4	
		3	22 9	8.18	19	59.96	155	26.62	8.22	3.0	3.0	52	8	196	.12	16	0.4	0.6	49	KEA	
		11	1015	35.02	19	55.86	156	3.54	31.97	3.4	3.7	49	4	248	.14	36	1.2	0.9	51	KOH	
		13	442	47.46	21	27.81	158	7.41	7.00	2.8	4.0	11	1	355	.20	308	16.3	16.6	10	DIS	*
		17	2337	55.12	19	19.95	155	8.20	9.09	2.9	3.5	54	5	84	.10	5	0.4	0.4	50	SF4	
		19	052	6.94	20	45.50	154	48.31	49.64	2.9	3.4	21	2	306	.12	112	3.0	3.5	21	DIS	
		21	426	14.73	19	34.00	156	27.48	10.49	3.0	3.1	51	6	280	.16	57	3.0	4.2	49	DIS	
		21	10 6	59.67	19	20.75	155	6.42	7.90	3.1	3.6	54	7	99	.13	5	0.4	0.3	47	SF4	
		21	2211	51.50	20	12.98	157	55.68	21.61	3.8	3.7	30	1	343	.12	225	4.5	6.1	34	DIS	
		22	224	32.55	19	25.01	155	18.46	10.00	2.7	3.5	14	4	97	.14	2	1.3	0.8	12	INT	L
		25	343	56.79	19	28.87	155	15.42	9.39	2.5	3.5	16	5	242	.13	3	1.3	0.9	12	GLN	L
		25	2311	33.08	19	18.89	155	13.61	9.16	3.7	3.8	53	8	69	.11	3	0.3	0.3	50	SF2	F
		27	658	8.21	19	47.91	155	34.82	14.25	3.4	4.0	60	8	96	.11	13	0.3	0.4	54	KEA	F
	DEC	3	11 4	34.77	19	18.32	155	14.19	10.67	3.1	3.6	57	8	137	.13	7	0.4	0.3	48	SF2	
		5	1217	0.75	21	42.35	157	35.66	17.15	4.7	5.5	61	9	264	.17	60	1.6	18.8	53	DIS	F*
		5	1941	31.85	19	58.13	155	30.64	31.30	3.1	3.5	63	14	173	.14	20	0.6	1.1	47	KEA	
		15	249	52.62	19	28.50	155	52.88	10.34	3.4	4.0	48	5	114	.14	4	0.5	0.4	45	KON	F
		24	2119	24.53	20	23.79	156	3.41	35.98	3.4	3.7	30	6	314	.11	42	0.5	0.6	53	KOH	
		27	1643	12.68	19	9.72	155	33.61	9.35	3.1	3.6	43	4	137	.13	11	0.4	0.6	41	LSW	F
		27	2313	17.11	19	19.68	155	12.38	9.58	5.3		46	1	83	.10	5	0.4	0.3	49	SF2	F
		27	2316	35.91	19	19.62	155	12.27	9.94	3.8	4.4	55	7	85	.10	5	0.3	0.3	52	SF3	F
		28	2017	57.54	19	20.32	155	17.53	33.55	2.9	3.7	65	16	54	.11	0	0.5	0.6	51	DEP	F