Hawaiian Volcano Observatory Summary 96; Part I, Seismic Data, January to December 1996

by Jennifer S. Nakata

Chronological Summary
by C. Heliker, C. Thornber & D. Sherrod

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Hawaiian Volcano Observatory
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INTRODUCTION

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

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

A report tabulating instrumentation, calibration, and recording history of each seismic station in the network by Klein and Koyanagi is available as a USGS Open-File Report [1]. It is designed as a reference for users of seismograms and phase data and includes and augments the information in the station table 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 1996

by

C. Heliker, C. Thornber, and D. Sherrod

Episode 53 of Kilauea's ongoing Pu'u 'O'o - Kupaianaha eruption continued this year. Flows from the 51 vent resurfaced most of the eastern side of the Kamoamoa flow field below the 1,600-ft elevation (fig. C-1). Early in the year, breakouts near the coast encroached on the Kupaianaha flow field, while, farther upslope, the gap between the two flow fields was narrowed on February 1, when a flow from the 2,450-ft skylight cut a swath through the forest. For the rest of the year, most surface flows were confined to the existing flow field. The tube leading from the episode 51 vent to the 2,250-ft elevation has survived for four years. The February 1 breakouts were the first surface flows above that elevation since the beginning of episode 53 in February 1993.

The February 1st event, during which a seismic swarm and rapid inflation at the summit were followed by deflation and a surge in supply at the eruption site, may have been a harbinger of other changes. After the 10-day pause that followed this event, the eruption seemed to return to normal, but soon there were indications that the system was perturbed. On March 24, we had a summit event that resembled a mini-version of the February 1 activity. The summit inflated 4.3 microradians in one hour, then began to deflate. Two hours later, a series of breakouts began at the eruption site. A similar, but even smaller, event took place on May 11.

The lava chemistry also changed following February 1, with an upturn in MgO content, followed by a trend suggesting mixing with a cooler component from the summit reservoir. Overall, MgO declined slightly during the year (fig.C-2a).

Lava entered the ocean at several sites in 1996, with first the Kamokuna entry, then Lae'apuki, predominating. The amount of new land created by the Kamokuna entry was relatively small, and, because of the bench collapses at Lae'apuki, there was a net loss of land at that entry.

There were four approximately evenly spaced eruptive pauses in 1996, bringing the total to 15 since the beginning of episode 53. The last two pauses of the year were both brief (~24 hrs) and resulted in little surface-flow activity.

The Pu'u 'O'o lava pond remained at a relatively constant level, between 75 and 90 m below the low point on the crater rim, most of the year. The pond rose to ~55 m below the rim briefly on February 1, resurfacing the entire crater floor with fresh pahoehoe. By mid-April, the crater floor had settled into a new configuration, with two ponds separated by an isthmus of crust 30 m wide. In May, during pause 13, both ponds rose about 15 m and submerged the isthmus to become a single pond. For several days, this scenario alternated with periods when the level dropped and two ponds were present at different levels. As one pond rose, it overflowed the isthmus and poured into the other.

After the pause, the isthmus was an island in a single pond for awhile, then, as the level gradually dropped, the island became a peninsula. In the summer, the pond was once again divided in two. In general, the uprift pond was less active and sometimes was reduced to a glowing hole in thick crust. At the year's end, there were two ponds.

Table C-1 presents the summary facts about the continuing eruption. Figures C-2a and C-2b summerize seismic and other data relative to time for Kilauea and Mauna Loa.

Table C-1. ERUPTION STATISTICS

Areas

Total area covered by lava, 3/83-12/96:**96.6 sq km** (37.3 sq mi)
Pu'u 'O'o flows (episodes 1-47 and the "A vent" flow of episode 48):
25 sq km* (9.7 sq mi)
*Pu'u 'O'o flows originally covered about 42 sq km, but much of this area was reburied by flows of subsequent episodes.
Kupaianaha flows (episode 48): **41 sq km** (16 sq mi)
Episode 49 flows: **4 sq km** (1.5 sq mi)
Episodes 50-53 flows: **26.6 sq km** (9.5 sq mi)

Total new land created, 12/86-12/96:**222 hectares** (550 acres) *
Kamoamoa delta (11/92-12/96):**93 hectares** (230 acres)
*These are net figures, which do not include new land that was claimed by wave erosion or collapse of the active lava bench.

Volumes

Total, 1/83-12/96 Approximately:**1450 x 10^6 m^3** (dense rock equivalent)
Episodes 1-47 (1/83 - 6/86) **385 x 10^6 m^3**
Episode 48 (7/86 - 2/92) **500 x 10^6 m^3**
Episode 49 (11/91) **11 x 10^6 m^3**
Episode 50 (2/92 - 3/92) **3 x 10^6 m^3**
Episode 51 (3/92 - 2/93) **32 x 10^6 m^3**
Episode 52 (10/92) **2 x 10^6 m^3**
Episode 53 (2/93 - 12/96) **525 x 10^6 m^3**

Other fascinating facts

Height of Pu'u 'O'o cone, 1/97: **232 m.** The cone has lost 25 m due to collapse since 1986.
Dimensions of Pu'u 'O'o Crater: **~240 m x 360 m**
Depth of Pu'u 'O'o Crater floor, 12/96: **55-60 m**

Height of episode 50-53 lava shield: **~60 m**

Height of Kupaianaha lava shield: **56 m**
Kupaianaha vent active 7/86 - 2/92

Thickness of lava at the coast:
~25 m over Highway 130 at Queens Bath
~15-25 m over Kalapana Gardens

Highway covered by lava flows from this eruption: **13 km**

Structures destroyed

Residences destroyed through 10/91 (none since then): **181**

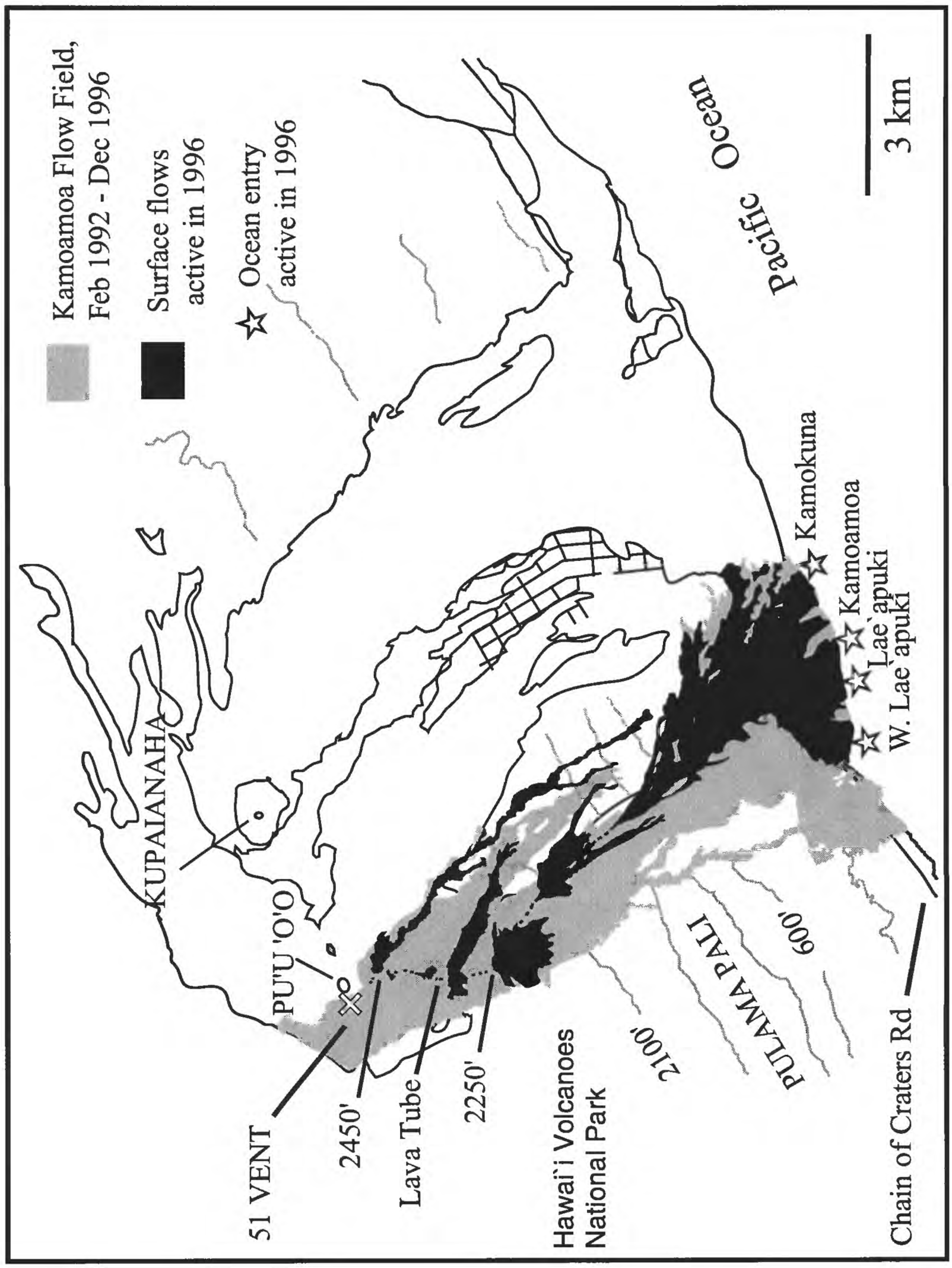


Figure C-1. Lava flows produced from 1983 through 1996.

KILAUEA

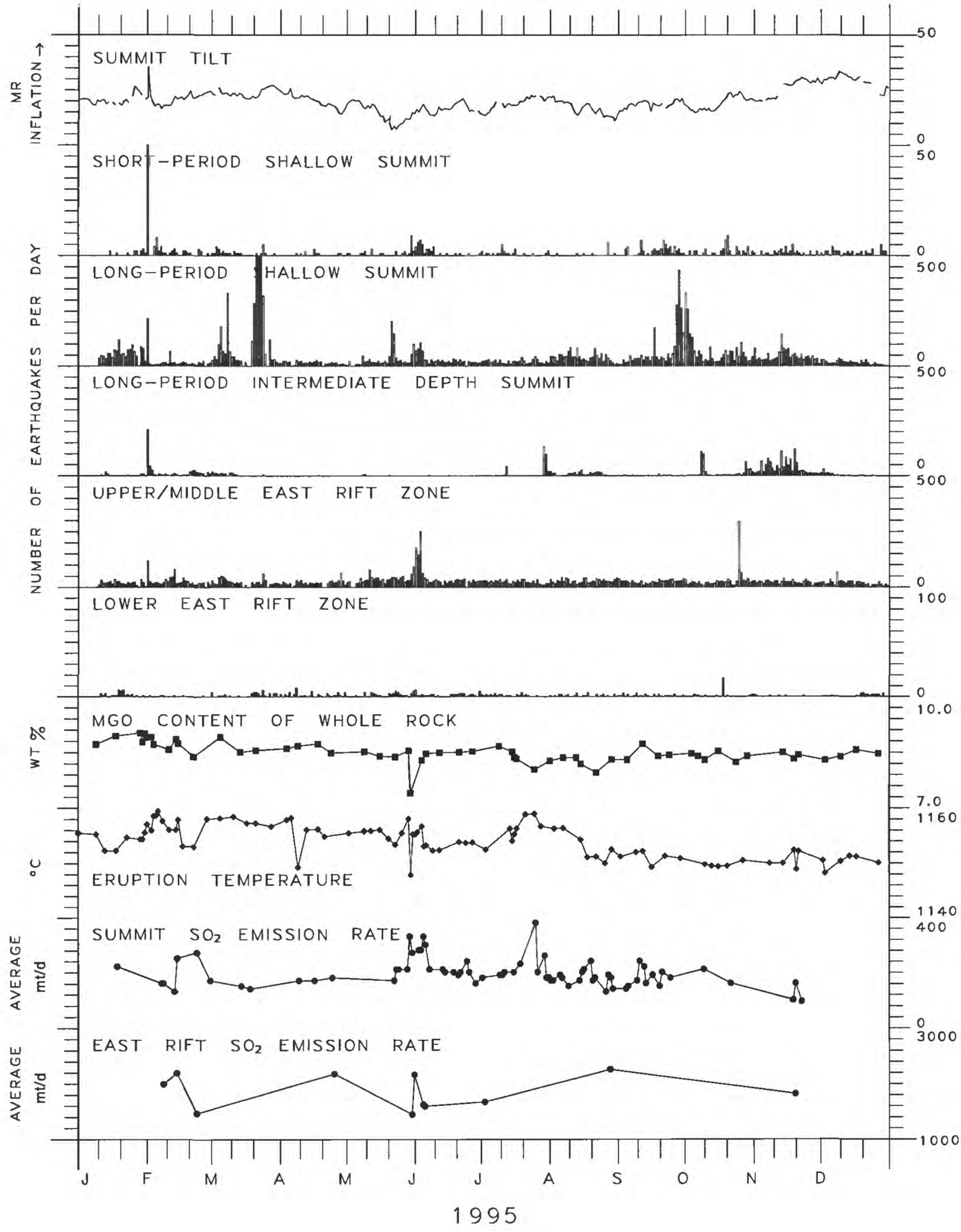


Figure C-2a. Selected seismic, geodetic, petrologic and geochemical data for Kilauea, 1996.

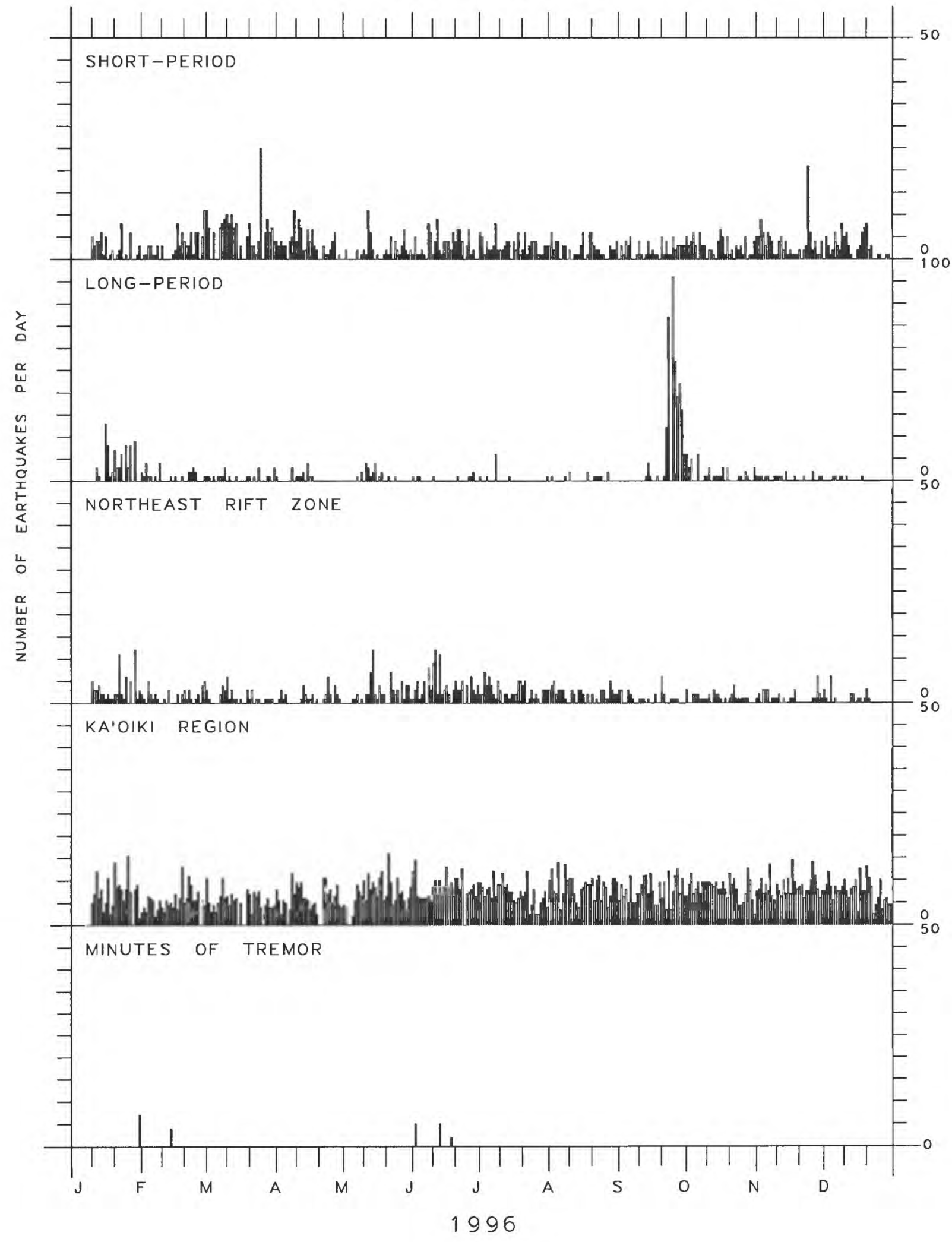


Figure C-2b. Selected seismic data for Mauna Loa, 1996.

SEISMIC INSTRUMENTATION

The network. The Hawaiian Volcano Observatory maintains an extensive telemetered seismic network on the Island of Hawai'i. The 1996 network consisted of 51 station sites: 12 three-component, 1 seven-component (which included a low-gain vertical with a unity gain setting, and a three-component Kinemetric Force-Balance accelerometer), 1 four-component and 2 two-component (each site included a moderate-gain vertical with a 48db setting), and 35 vertical-component-only sites. The coverage is most dense on and around Kilauea Volcano. All seismic signals from the short-period network are telemetered to the Observatory for recording.

Figure 1 is a map of selected geographic and geologic features. Figure 2 shows the seismic stations operated on the Island of Hawai'i during 1996. Figure 3 indicates the telemetry scheme for the seismic stations, and Figures 4a and 4b are expanded telemetry schemes at Kilauea summit: 4a, HVO seismic stations and 4b, broadband network installed by Menlo Park and maintained by HVO.

Table 1 lists seismic stations by names, four-letter station codes, coordinates in degrees and minutes, elevation in meters, and other data, as described below, pertaining to each station. The list includes all the stations operated by the U.S. Geological Survey in Hawai'i during 1996. A few seismic stations operated by the Pacific Tsunami Warning Center (NOAA) on the Islands of Hawai'i, O'ahu and Maui are also listed. Phase times from these stations are used to supplement local earthquakes and earthquakes that occur within the Hawaiian Archipelago but distant from the Hawai'i Island network.

Instrumentation and recording. Each telemetered station has a voltage-controlled oscillator (VCO) for FM multiplex transmission to HVO via radio. These telemetering stations are all of Type 1, Earthquake Hazards Team (EHT) 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. Continuous signals from the telemetered network are saved on 4-mm digital-audio tape (DAT) recording units. Three DAT recorders run in automatic rotation, as each 30-hr tape is filled. Analog signals from 18 selected stations are recorded on one Develocorder ('A') using 16-mm microfilm. Optic recordings are coded in Table 1 as follows: D - Develocorder film, H - Helicorder paper, and I - ink paper. The paper records, as well as the 16-mm Develocorder microfilms, are archived at HVO.

Seismograph response and calibration. Displacement response curve for the short-period seismograph type in use is given in Figure 5. The Type 1 curve gives the displacement magnification of the standard EHT system from ground motion at the seismometer to the seismic trace, as seen on a 20x Develocorder film viewer. The curve plots the unit response, which is multiplied by a constant but known factor, CAL, to get the response for an individual station. Individual CAL factors for Type 1 seismographs are Develocorder-equivalent, peak-to-peak amplitudes, measured in millimeters, of a 100-microvolt 5 to 8-Hz signal introduced to the preamp/VCO in place of the geophone at the field station. The calibration process is normally performed each time a station is visited for other required maintenance.

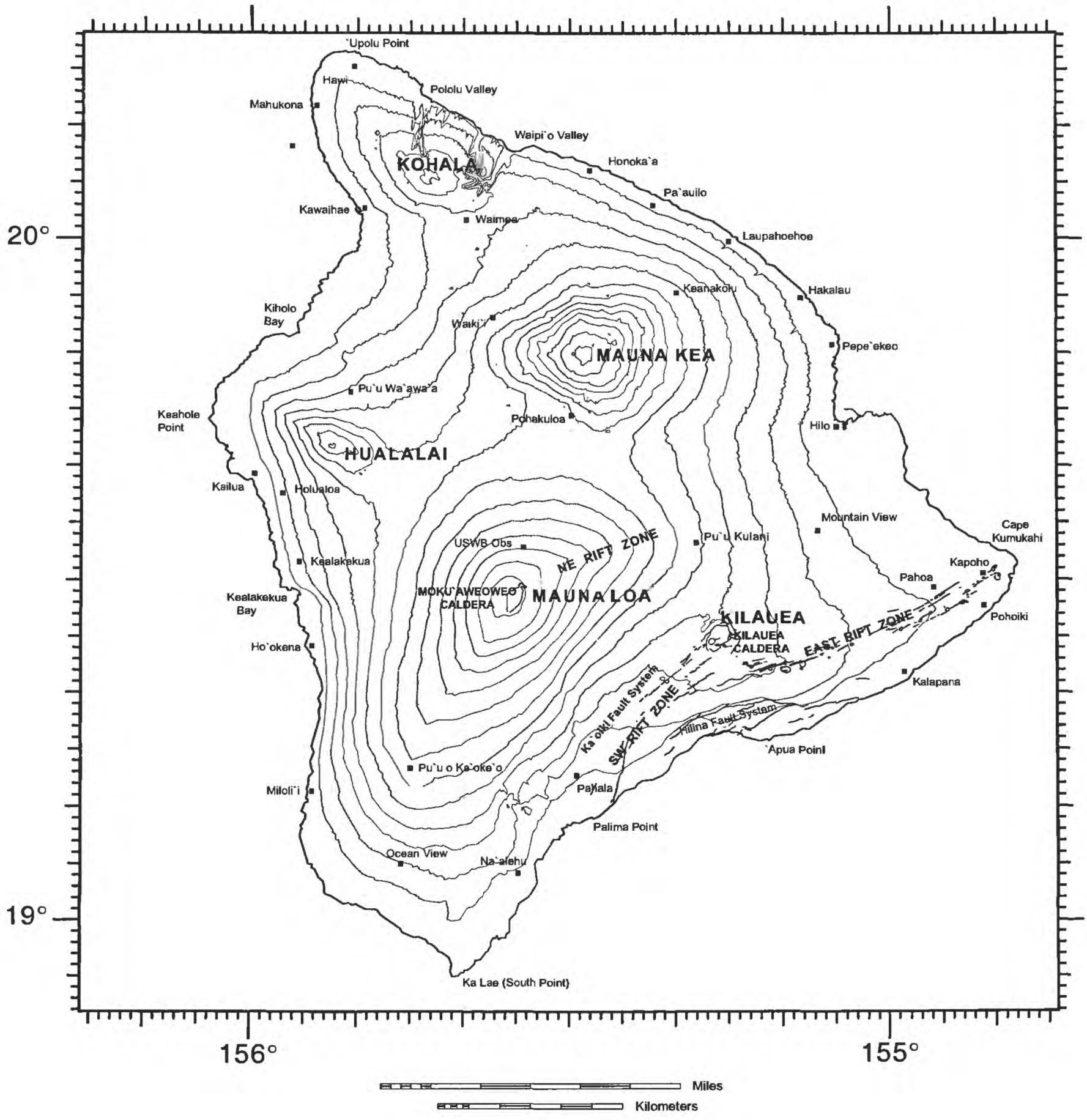


Figure 1. Map of the Island of Hawai'i, showing principal settlements and selected geographic and geologic features.

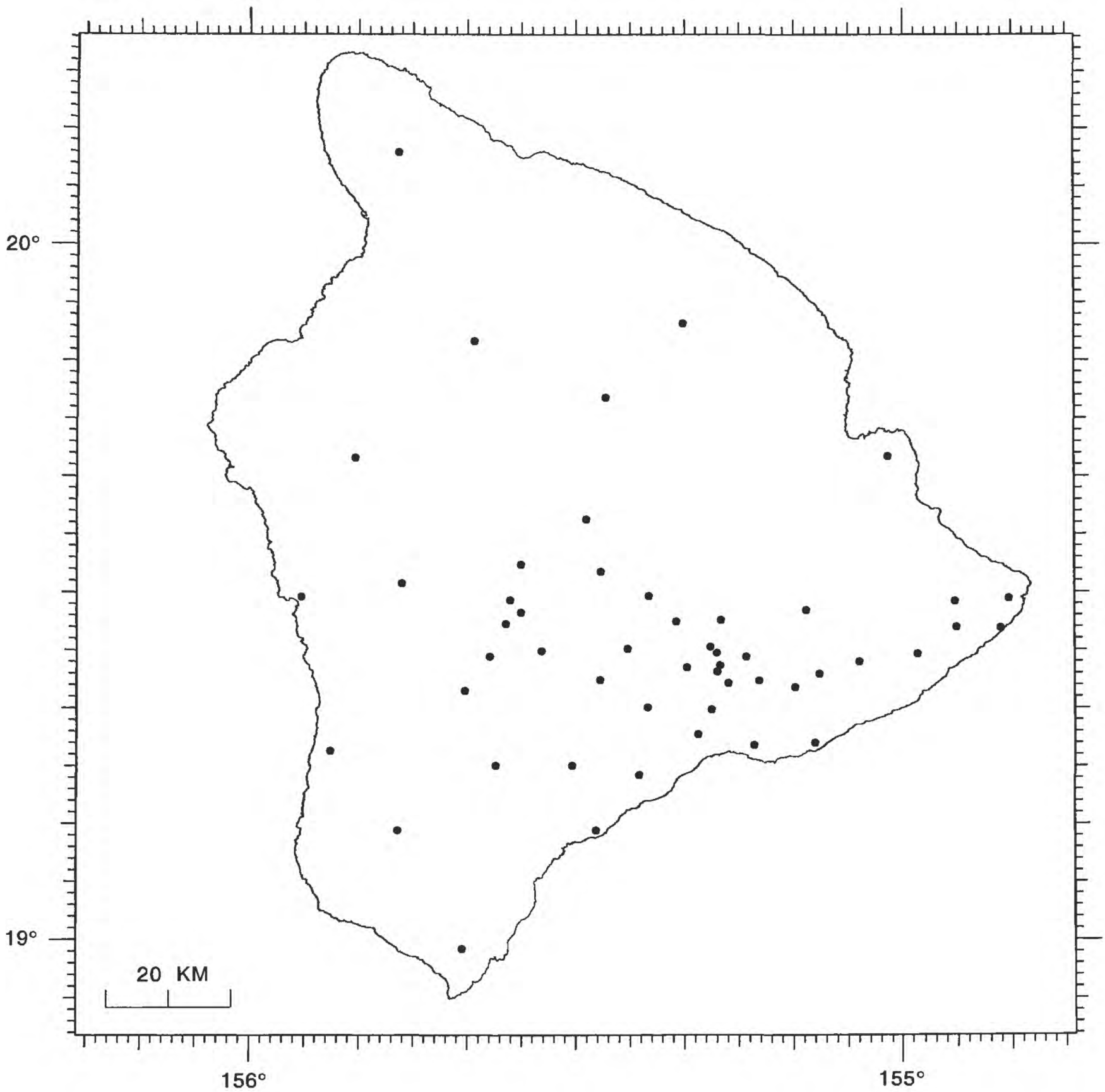


Figure 2. Seismic stations operational during 1996 on the Island of Hawai'i.

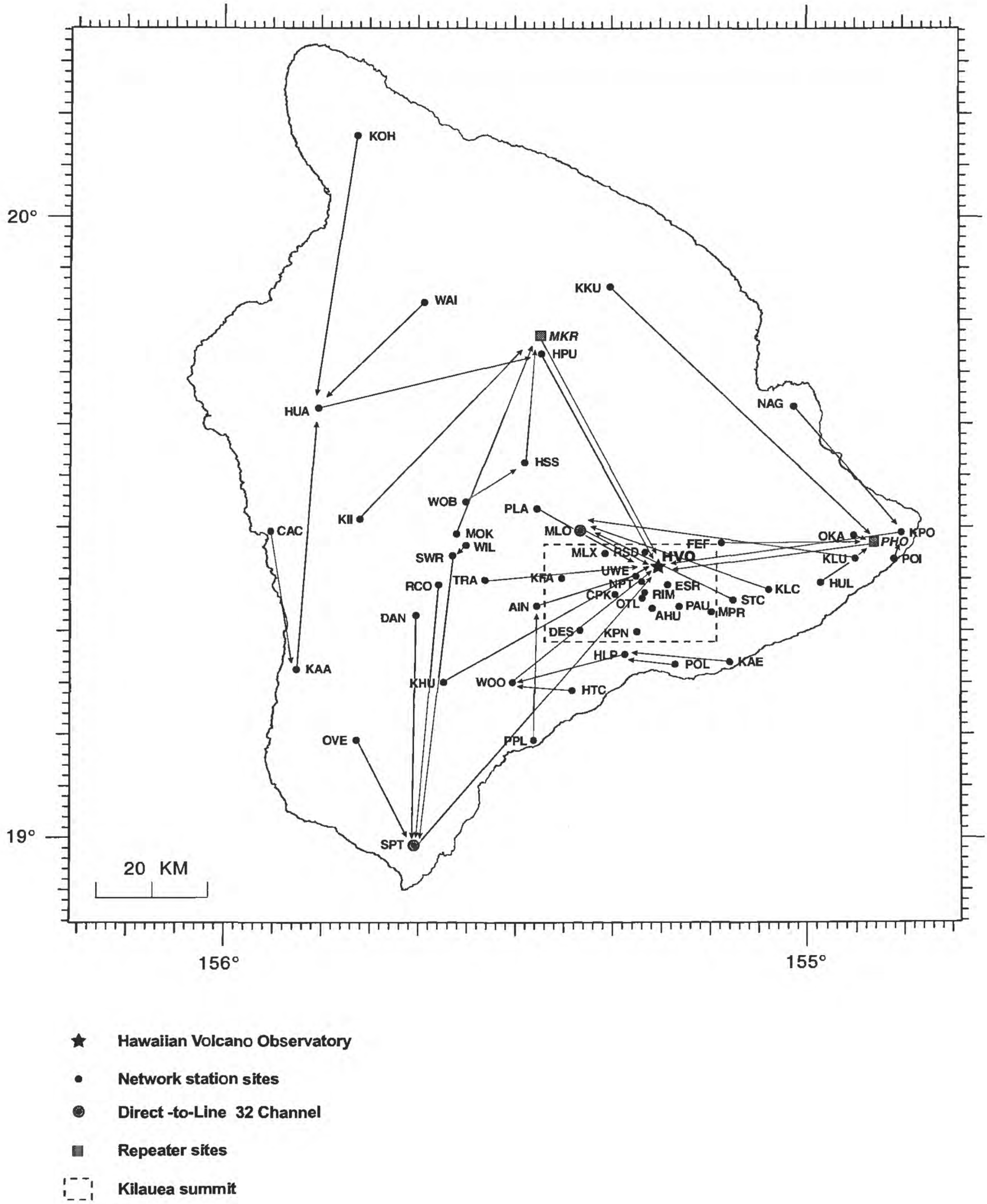
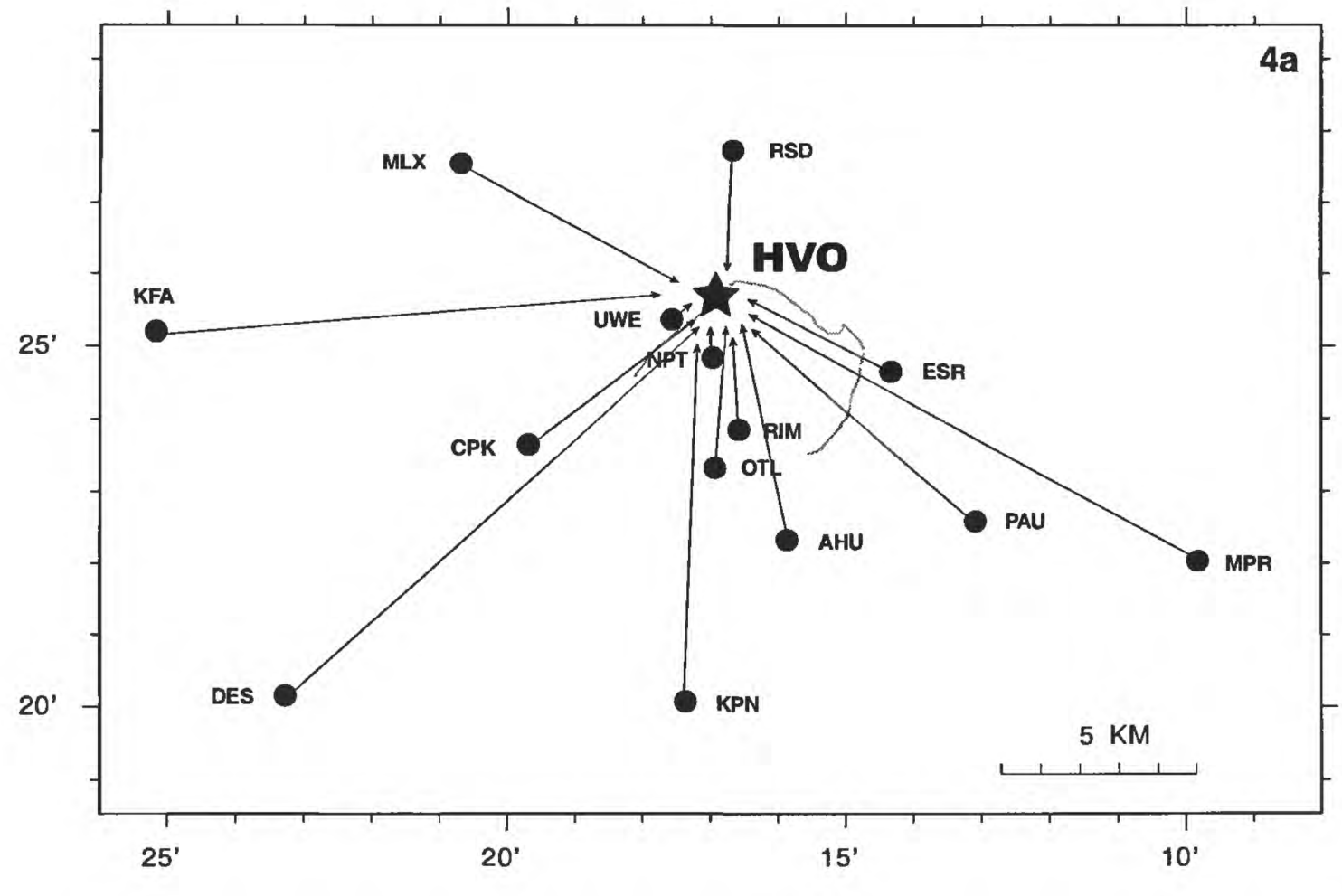
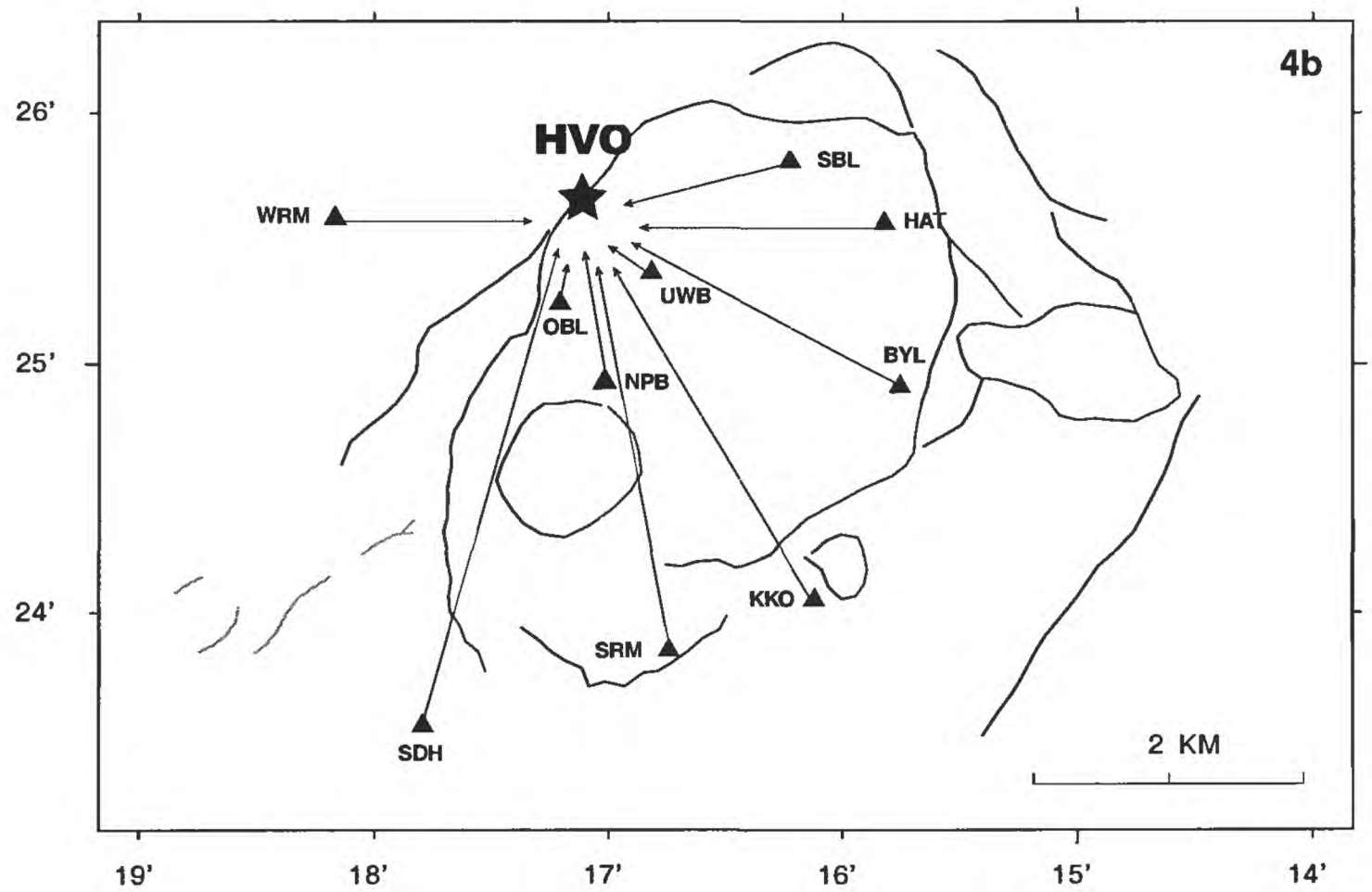


Figure 3. Telemetry scheme for the 1996 Hawaiian Volcano Observatory seismic network.





★ **Hawaiian Voicano Observatory**

● **Network sites**

▲ **Broadband sites**

Figure 4a. Expanded telemetry scheme for the 1996 Hawaiian Volcano Observatory seismic network at Kilauea summit.

Figure 4b. Expanded telemetry scheme for the 1996 Menlo Park broadband network at Kilauea summit.

Table 1. Seismic stations in Hawai'i operated by the USGS in 1996.

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	3.1	E5	DI
AHUA	AHUE	19	22.40	155	15.90	1070	-0.10	-0.13	3.0	E5 MW	
AHUA	AHUN	19	22.40	155	15.90	1070	-0.10	-0.13	3.0	E5 MW	
AINAPO	AINV	19	22.50	155	27.62	1524	0.13	0.17	6.8	L5	
AINAPO	AINE	19	22.50	155	27.62	1524	0.13	0.17	3.0	L5 MW	
AINAPO	AINN	19	22.50	155	27.62	1524	0.13	0.17	3.0	L5 MW	
AINAPO	AINZ	19	22.50	155	27.62	1524	0.13	0.17	0.0	L5	D
CAPTAIN COOK	CACV	19	29.29	155	55.09	323	0.00	-0.16	1.1	L5	
CONE PEAK	CPKV	19	23.70	155	19.70	1038	-0.26	-0.07	6.0	L5	
DANDELION	DANV	19	21.42	155	40.04	3003	-0.27	0.03	4.3	E5	
DESERT	DESV	19	20.20	155	23.30	815	-0.29	-0.13	4.5	L5	DI
DIAMOND HEAD,OA	DHHZ	21	16.12	157	48.25	137	0.00	0.00	0.0	S13	
ESCAPE ROAD	ESRV	19	24.68	155	14.33	1177	-0.17	-0.19	1.2	L5	D
FERN FOREST	FEFV	19	28.70	155	8.91	691	0.01	0.05	0.0	L5	
HALEAKALA, MAUI	HKLZ	20	42.63	156	15.55	3051	0.00	0.00	0.0	S13	
HILINA PALI	HLPV	19	17.96	155	18.63	707	0.02	0.07	2.1	L5	D
HONOLULU, OAHU	HONZ	21	19.30	158	0.50	2	0.00	0.00	0.0	S13	
HONOLULU, OAHU	HONE	21	19.30	158	0.50	2	0.00	0.00	0.0	S13	
HONOLULU, OAHU	HONN	21	19.30	158	0.50	2	0.00	0.00	0.0	S13	
HONUAPO	HPOZ	19	5.34	155	33.23	15	0.00	0.00	0.0	S13	
HALE POHAKU	HPUV	19	46.85	155	27.50	3396	0.31	0.17	3.3	L5	
HUMUULA SHEEP	HSSV	19	36.31	155	29.13	2445	0.20	0.35	4.0	L5	
HUMUULA SHEEP	HSSE	19	36.31	155	29.13	2445	0.20	0.35	3.0	L5 MW	
HUMUULA SHEEP	HSSN	19	36.31	155	29.13	2445	0.20	0.35	3.0	L5 MW	
HOT CAVES	HTCV	19	14.33	155	24.02	381	-0.16	-0.07	2.3	E4	
HUALALAI	HUAV	19	41.25	155	50.32	2189	0.67	0.38	2.8	L5	I
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	E5 MW	
HEIHEIAHULU	HULN	19	25.13	154	58.72	369	-0.17	-0.16	3.0	L5 MW	
KAAPUNA	KAAV	19	15.98	155	52.28	524	-0.12	-0.01	3.3	E5	
KAENA POINT	KAEV	19	17.35	155	7.95	37	-0.01	0.06	1.4	L5	
KAOIKI FAULTS	KFAV	19	25.25	155	25.18	1579	0.13	0.17	0.0	L5	
KAHUKU	KHUV	19	14.90	155	37.10	1939	0.03	-0.03	5.0	E5	
KANEKII	KIIV	19	30.56	155	45.90	1841	0.15	0.37	3.0	L5	
KANEKII	KIIE	19	30.56	155	45.90	1841	0.15	0.37	3.0	L5 MW	
KANEKII	KIIN	19	30.56	155	45.90	1841	0.15	0.37	3.0	L5 MW	
KIPAPA, OAHU	KIPZ	21	25.40	158	0.90	2	0.00	0.00	0.0	S13	
KAILUA, KONA	KKHZ	19	39.40	156	1.12	1	0.00	0.00	0.0	S13	
KEANAKOLU	KKUV	19	53.39	155	20.58	1863	0.68	0.24	3.3	L5	
KALALUA CONE	KLCV	19	24.35	155	4.08	659	-0.25	-0.30	3.4	L5	
PUU KALIU	KLUV	19	27.48	154	55.26	271	-0.17	-0.30	3.4	L5	
KOHALA	KOHV	20	7.69	155	46.77	1166	-0.03	-0.17	6.3	L5	
KOHALA	KOHE	20	7.69	155	46.77	1166	-0.03	-0.17	3.0	L5 MW	
KOHALA	KOHN	20	7.69	155	46.77	1166	-0.03	-0.17	3.0	L5 MW	
KAPOHO CONE	KPCZ	19	30.02	154	50.51	134	0.00	0.00	0.0	S13	D
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	1.9	L5	
LAUPAHOEHOE	LPHZ	19	59.82	155	14.58	1	0.00	0.00	0.0	S13	
MAHUKONA	MHAZ	20	11.27	155	54.18	1	0.00	0.00	0.0	S13	

MAUNA LOA	MLOV	19	29.80	155	23.30	2010	0.03	0.08	5.6	L5	DI
MAUNA LOA	MLOE	19	29.80	155	23.30	2010	0.03	0.08	3.0	L5 MW	
MAUNA LOA	MLON	19	29.80	155	23.30	2010	0.03	0.08	3.0	L5 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	4.2	L5	DI
MAKAOPUHI	MPRV	19	22.07	155	9.85	881	-0.17	-0.20	2.6	L5	DI
MAKAOPUHI	MPRZ	19	22.07	155	9.85	881	-0.17	-0.20	0.1	L5	
NATIONAL GUARD	NAGV	19	42.12	155	1.72	18	0.54	0.30	4.0	R5	
NATIONAL GUARD	NAGE	19	42.12	155	1.72	18	0.54	0.30	3.0	R5 MW	
NATIONAL GUARD	NAGN	19	42.12	155	1.72	18	0.54	0.30	3.0	R5 MW	
NORTH PIT	NPTV	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	L5	DI
NORTH PIT	NPTE	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	L5 MW	
NORTH PIT	NPTN	19	24.90	155	17.00	1115	-0.30	-0.18	3.0	L5 MW	
OOKA	OKAV	19	29.66	154	55.44	180	0.00	0.00	0.0	L5	
OPANA, OAHU	OPAZ	21	41.45	158	0.70	100	0.00	0.00	0.0	S13	
OUTLET	OTLV	19	23.38	155	16.94	1038	-0.19	-0.18	2.6	L5	
OUTLET	OTLZ	19	23.38	155	16.94	1038	-0.19	-0.18	0.0	L5	
OCEANVIEW EST	OVEV	19	9.21	155	45.92	1378	0.00	0.00	0.0	L5	
PAUAHI	PAUV	19	22.62	155	13.10	994	-0.21	-0.24	2.9	L4	D
PAUAHI	PAUE	19	22.62	155	13.10	994	-0.21	-0.24	3.0	L5 MW	
PAUAHI	PAUN	19	22.62	155	13.10	994	-0.21	-0.24	3.0	L5 MW	
PUU ULAULA	PLAV	19	32.00	155	27.67	2992	-0.03	0.13	6.3	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	3.4	E5	
PUU PILI	PPLV	19	9.50	155	27.87	35	-0.15	-0.15	1.4	E5	D
RED CONE	RCOV	19	24.36	155	37.79	3601	0.00	0.00	0.0	L5	
RIM	RIMV	19	23.90	155	16.60	1128	-0.21	-0.13	0.0	L5	
RAINSHED	RSDV	19	27.78	155	16.68	1270	0.06	0.15	0.0	L5	
SOUTH POINT	SPTV	18	58.91	155	39.92	244	-0.17	-0.22	2.8	L5	
SOUTH POINT	SPTE	18	58.91	155	39.92	244	-0.17	-0.22	3.0	L5 MW	
SOUTH POINT	SPTN	18	58.91	155	39.92	244	-0.17	-0.22	3.0	L5 MW	
STEAM CRACKS	STCV	19	23.30	155	7.67	765	-0.25	-0.30	3.4	L5	DH
STEAM CRACKS	STCE	19	23.30	155	7.67	765	-0.25	-0.30	3.0	L5 MW	
STEAM CRACKS	STCN	19	23.30	155	7.67	765	-0.25	-0.30	3.0	L5 MW	
SOUTHWEST RIFT	SWRV	19	27.26	155	36.30	4048	0.01	0.04	5.6	E5	D
TRAIL	TRAV	19	24.91	155	32.96	3207	0.00	0.00	0.0	L5	
UWEKAHUNA	URAV	19	25.40	155	17.60	1240	-0.21	0.00	0.0	R5	
UWEKAHUNA	URAE	19	25.40	155	17.60	1240	-0.21	0.00	3.0	R5 MW	
UWEKAHUNA	URAN	19	25.40	155	17.60	1240	-0.21	0.00	3.0	R5 MW	
UWEKAHUNA	UUGZ	19	25.40	155	17.60	1240	0.00	0.00	0.0	L0	
UWEKAHUNA	UWAZ	19	25.40	155	17.60	1240	0.00	0.00	0.0	F0	
UWEKAHUNA	UWAE	19	25.40	155	17.60	1240	0.00	0.00	0.0	F0	
UWEKAHUNA	UWAN	19	25.40	155	17.60	1240	0.00	0.00	0.0	F0	
WAIKII	WAIV	19	51.58	155	39.60	1433	0.20	0.35	0.0	L5	
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	L5 MW	
WILKES CAMP	WILN	19	28.15	155	35.02	4037	0.22	0.17	3.0	L5 MW	
WAIMANALO RG,OA	WMRZ	21	19.22	157	40.94	200	0.00	0.00	0.0	S13	
WEATHER OBSERV	WOBV	19	32.31	155	35.01	3396	0.00	0.00	0.0	E5	
WOOD VALLEY	WOOV	19	15.08	155	30.12	909	-0.15	-0.06	2.6	E5	

Table 2. Seismic instrument types

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

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

a) Geophone - Electrotech EV-17 (E), Mark Products L4C (L) or Kinemetric Ranger SS1 (R). (L) and (R) are 1.0-sec. period moving-magnet vertical- or horizontal- (E-W and N-S) component seismometers 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) 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.

Code (W) - Wood-Anderson torsion seismograph.

Code (MW) - Horizontal-component seismograph based on a Type 1 system and modified to 3x a Wood-Anderson response.

Code (F) - Kinemetric Force-Balance Accelerometer (FBA23).

Code (S13) – Geotech, 1Hz seismometer with A1 VCO operated by the Pacific Tsunami Warning Center.

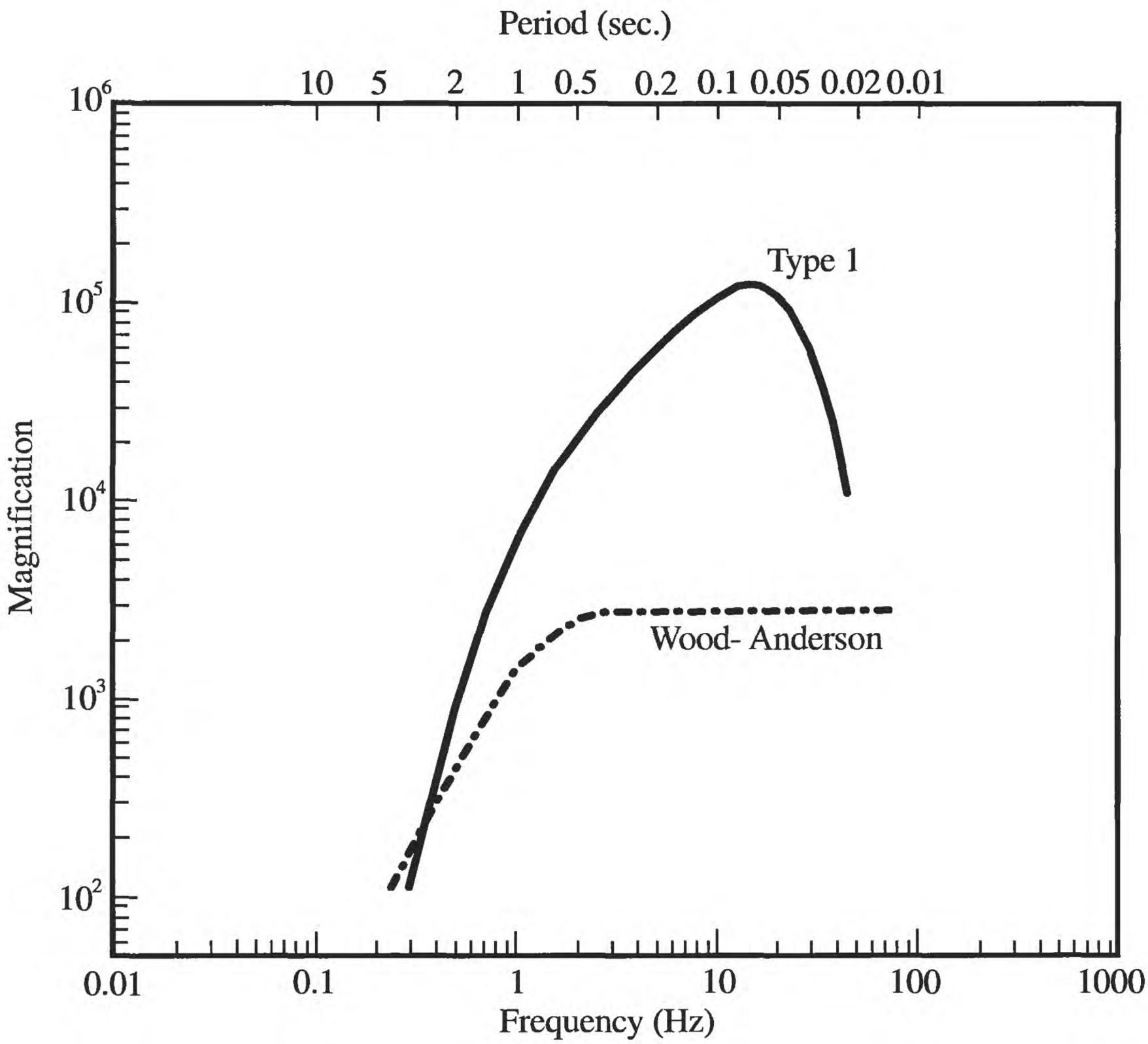


Figure 5. System-response curves for the Wood-Anderson torsion seismograph and for seismometers used by the Hawaiian Volcano Observatory. Type 1 is the standard OEVE seismometer system recorded on Develocorder film and DAT tape. The curve for Type 1 includes response of the geophone, all electronics including telemetry, Develocorder galvanometer, and projection of film by a 20x viewer. The curve plots 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

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

In July 1992, HVO acquired VAX workstations for timing earthquakes using a "generic" version of CUSP. In addition to timing P and S arrival signals, the VAX workstations are capable of measuring peak-to-peak amplitudes along with the associated period. This capability allowed the renewal of amplitude magnitude determinations from the network seismic stations. Amplitude data gathered from July 1992 to July 1997 became part of a test set to determine magnitude corrections for network stations. Results of newly determined magnitude corrections are detailed by Nakata and Okubo (1997) [3].

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

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

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

Magnitudes for events are computed using recorded amplitudes on selected network vertical, Modified Wood-Anderson (MW) horizontal, and/or moderate and low gain stations. Amplitude readings are corrected to an equivalent Wood-Anderson amplitude using the curves of Figure 5 and CAL factors listed in Table 1.

Duration magnitude is determined by the length of signal, in seconds, from Type 1 seismographs read from the develocorder viewer. This length of time, also called "F-P time," is measured from the P arrival to the point where the earthquake signal has decayed to nearly the background noise level. A bilinear relation used to compute duration magnitude is described in Klein, (1989)[2].

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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.

[3] Nakata, J., and Okubo, P., 1997, Determination of station amplitude magnitude corrections for the Hawaiian Volcano Observatory telemetered seismograph network: Data from 1992-1997: U.S. Geological Survey Open-File Report 97-863, 73 p.

SEISMIC CATALOG

The emphasis in both station coverage and detailed data analysis is on the highly active south half of the Island of Hawai'i. Hundreds of earthquakes too small to locate are classified as to type[4] and counted daily. The set of well-recorded earthquakes located in the Hawai'i 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 Hawai'i, but nearly all events above magnitude 4.0 are located with limited precision.

Data presented in the seismic catalog are in four parts: (1) Table 3 gives duration of harmonic tremor and numbers of earthquakes (most too small to locate) from several source regions around Kilauea and Mauna Loa. The source region is determined visually from signal character and pattern of arrival times at key stations. (2) Maps showing computer-located hypocenters are given in Figures 10-23. The location maps are of different scales and provide hypocenters with magnitude thresholds set at 1.0, 2.0, 3.0, and 3.5, varying according to region. (3) The list of computer locations constitutes the bulk of this summary and is given in Table 5. Each earthquake in the list is assigned a three-letter code based on its general location and depth. Figures 6-9 are maps of the regions used to assign the location codes. The latitude and longitude limits of rectangular regions are listed in Table 4. When the listed coordinates overlap, precedence is given according to Figures 6-9. (4) Table 6 re-lists the events in Table 5 for which the preferred magnitude is 3.0 or larger. This list includes many of the earthquakes felt in Hawai'i.

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

Earthquake categories are as follows:

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

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

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

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

DATE 1996	SHORT PER. CALD.	LONG PER. CALDERA A	LONG PER. CALDERA B	LONG PER. CALDERA 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*												1440			
2*												1440			
3*												1440			
4*												1440			
5*												1440			
6*												1440			
7*												1440			
8*												1440			
9*												1440			
10		38				10	12		5		5	1440		2	
11		48		4		14	32	3	3		3	1440			
12		47				24	20	1	4	3	3	1440			
13		36		17		12	19	3	4	1	4	1440			
14		58	1	8		16	23		6		2	1440			
15	2	58				6	26		1		2	1440			
16		39	1			10	15	1	5	3	1	1440			
17		74			1	21	35	1		8	2	1440			
18	1	49	21			5	25	1	1	1	1	1440			
19		114	5			9	27	6	2	2	1	1440			
20		53				28	18	5		7	2	1440			
21		57				17	16	6	1	3	2	1440			
22		45				18	12	1	2	3	11	1440			
23	1	71	2	2		16	22	2	8	6	2	1440			
24		76	1			11	18	1			1	1440			
25		98				16	21	2	1	8	6	1440			
26	2	66		1		31	24			3		1440			
28*												1440			
27	2	46				15	8	1	6	8	5	1440		26	
29	2	88		9		16	35			9	12	1440			
30	3	80		8		18	21	1	1		1	1440			
31	1	20	2		1	3	4		3		3	1440			7
FEB 1	580	168	48	208		6	119			2	2	1440		17	
2		10		44		8	25	1	1	1	1	1440			
3		3		25	1	6	18		1	4		1440	24		
4	4	6		5		13	19		3	1	5	720			
5	8	8		1		12	22		3	1	2			7	
6	2	7		7		11	17		1		1				
7	4	11		5		4	15	1	1	1	2				
8	1	17		3		7	22	1	3		1			34	
9	1	17		9	2	11	35			4				37	
10		8		3		8	26		3						
11	1	67		1		6	45				1				
12	2	13		4		11	46								
13	3	16		10	1	9	80	1			3	480			
14	1	7		6		10	16			1		1440		29	4
15		9		1	1	8	20		1			1440			
16		13			1	14	21		2	1		1440			
17	2	19		3		7	41	1	8		2	1440			
18	2	15		4		12	28		3			1440		15	
19	1	8		3		26	25		6	1	2	1440			
20	1	8		16		10	14		4		3	1440		5	
21		12		21		12	20		3		1	1440			
22		10		26		22	12		3	2	3	1440			
23		5		17	2	18	12		6	2	1	1440			
24	3	18		15		11	20		1	3		1440			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	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	2	13		13		11	19		6	2	1	1440		6
26		23		9		15	22	1	6		2	1440		
27*												1440		
28	1	11		16		11	23		5		4	1440		67
29		17		10		9	13		11	1	5	1440		
MAR 1	1	29		18		21	31	4	11	1	3	1440		
2	1	46		12		10	18		7	1	1	1440		
3	4	32		13		6	14					1440		
4	3	100		7		9	44	1	6	1		1440		
5	1	181		12		6	50	1				1440		
6	2	68		10		10	47	1		1		1440		
7	1	58		10	1	13	40	2	7	1	2	1440		
8	1	43	289			21	28		8	1	4	1440		28
9	1	65	1	13	1	12	26	1	9	3	3	1440		
10		43		15		13	22		10		6	1440		
11	2	38	4	8		9	16		8	1	1	1440		
12	1	27		5	1	14	22		10		3	1440		4
13	1	26				11	18	1	7		1	1440		
14	1	24				12	23		8	1	1	1440		161
15*												1440		
16*		18				10	9		3		1	1440		
17*												1440		
18*												1440		
19		113				16	23	3	5	1	3	1440		40
20*		285				14	14	4	8	1	1	1440		
21	1	731	1			5	23	4	3		3	1440		
22		881				15	23	3	3	1		1440		
23	1	1750				13	13	1	1		1	1440		
24	5	319		5		15	62	6	4	3	1	1440		
25	1	55	1			8	31	1	25			1440		
26*												1440		
27		119	1			9	14	3	6		1	1440		
28		31				12	14		9	1	1	1440		
29	1	31				8	19	3	6	1	1	1440		
30		19				8	20	3	7		1	1440		
31		14				9	16		4	3		1440		10
APR 1		13	1			16	13	2	4	1		1440		
2		23				11	25		3		1	1440		22
3		22				5	19	2	4		3	1440		
4		17				11	12	1	3		1	1440		
5		19				10	17	4	3		2	1440		7
6*												1440		
7*		4				7	8	2	4			1440		28
8	1	27				23	32	8	5	3		1440		
9		19			1	14	24		11			1440		
10	1	24				19	32	1	4	1		1440		
11		14				17	16	1	9	1		1440		40
12	2	16				19	21	1	7	1	1	1440		
13		13				12	11		2	2	4	1440		14
14		19	1			12	21	1	2		2	1440		
15		15				11	19	5	7	4	1	1440		
16	3	21				7	17		4	1	1	1440		
17	1	27				9	21		7	1	2	1440		
18	1	17	1	1		10	18	2	3			1440		32
19		21				5	20	1	2		1	1440		

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP / MAUNA LOA
APR20*												1440		
21		10												
22		10				21	17	3	3		1	1440		
23		13			1	21	28	1	1		2	1440		
24		18			1	14	29		1		6	1440		
25		14				16	20	1	2		2	1440		
26		16				10	23	1	4			1440		6
27	1	7				13	32	4	6		4	1440		
28	1	9				18	65	1			2	1440		
29		11				9	29		1		1	1440		
30		7				8	12	4				1440		
MAY 1	1	4				9	22					1440		
2	1	23				8	27		2			1440		
3*												1440		
4*												1440		
5*		8				4	17	1			1	1440		
6		9				11	21				1	1440		
7	1	5			1	18	40		2	1	2	1440	32	
8	1	48		4		15	25					1440	49	
9	2	20		6		13	31	4	1	2	1	1440		
10		23			1	20	33		2			1440	26	
11		31	1			11	79		1	4	2	1440		
12	3	17			1	23	45	4	11	3	2	1440		
13		18			1	16	38	3	6	1	7	1440		
14		15				19	42	2	2	2	12	1440		
15		23				17	41	1		4	2	1440		
16	1	14				13	28	1	1		1	1440		
17	1	15				21	36			1	4	1440	36	
18		22				24	18			2	2	1440		
19		13				11	34		1		2	1440		
20		33	11	2		13	35	3	2			1440		
21		87	117			32	44	2	1	1		1440	3	
22		41	108			19	45	3	5		7	1440		
23	2	37	1			9	42	5			3	1440		
24		21	2		1	11	34	4	4	1	2	1440		
25		19	8			21	42	2	2		3	1440		
26	1	16				14	49	1	1			1440		
27	2	21				15	24	1	3		5	1440		
28		15				11	32	1	7		1	1440		
29	1	15				7	31		2		4	1440		
30	9	54				12	60	3	1		4	300	20	
31	2	99	2			17	93	5	2		1			
JUN 1	4	68	2			24	180	6	1	1	1		10	
2	6	80				29	147	1	5		3		9	5
3	7	105	1			13	252	1	1	1	5			
4	5	71				12	63	2	1	1	1	1350		
5	1	30				12	42	1	2		2	1440		
6	3	28				12	35	1	1		5	1440		
7	3	11		1		12	22	1				1440		
8	2	30			1	13	23	2	8		8	1440	9	
9	4	21			1	11	28	2	6		3	1440		
10		23				17	34		1	1	9	1440		
11		29				20	28	1	4		12	1440	71	
12	1	18	3			14	24		9		2	1440		
13		27				20	8		2		11	1440	4	5

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP / MAUNA LOA
JUN14		16	1		1	13	28		1		2	1440		
15	1	18				17	18		4		3	1440		
16		23		2		26	25		4		4	1440		
17		16				13	29	2	4		2	1440		
18		32	1			19	19	2	2			1440		2
19	1	30				13	32	2	6		3	1440		
20		19				21	35	2	4		5	1440		
21	1	30				21	31	3	7	1	3	1440		
22		19	1			16	33	3	7		3	1440		
23		21			1	25	38	3	4		5	1440		
24*												1440		
25	1	21				14	27	1	3		4	1440	20	
26		17				15	19	2	7	1		1440		
27		17				16	33	2	1	1	6	1440		
28		17				18	25	1	2	2	3	1440		
29		13				13	27				2	1440		
30	1	14	1		1	19	29	5			4	1440		
JUL 1	2	22				19	28	2	6	1	2	1440		
2		24		1		17	30	1	5		2	1440		
3	1	26				13	28	2	1		7	1440		
4	1	31				16	22	1	4	1	4	1440	40	
5		18				17	28	2	2		6	1440		
6	1	21				12	22	1	2		4	1440		
7		29				24	30	3	3		2	1440		
8	1	14				13	29	1	8	6	1	1440	38	
9	1	28				18	34	2	2		5	1440		
10	5	12				18	22	2	2		3	1440		
11	2	12		3	1	23	27		2			1440	17	
12	1	11		45		17	34	1	3		2	1440		
13	1	24	1			18	18	1	4		2	1440	4	
14		10		1		15	14	1	4	1	1	1440		
15	1	21				15	27				2	1440		
16	3	22				11	21		4		2	1440	60	
17		17	2			10	33	2	2		2	1440	10	
18		25				12	23	1	6		5	1440	5	
19		41				15	37	4	1		5	1440		
20	1	24			1	13	36	1	2		4	1440		
21		10				15	21	2	6		5	1440		
22		14				24	21	1	1			1440		
23		16				5	18		3		1	1440		
24	1	32				9	28		4		3	1440	11	
25		44				16	17		4		1	1440	6	
26		32				5	34	1	4		2	1440	4	
27		16		1	1	5	14		1		1	1440		
28		16		2		10	11		1			1440		
29		6	3	132		12	10		1		3	1440		
30	1	22	1	98		15	16		3		3	1440		
31	2	14		21		8	17		3	1	3	1440	45	
AUG 1		36	8	21		20	34	1	3		3	1440		
2		32	14	11		25	23		6	1	4	1440		
3		37	4	12		15	17	1	2		5	1440		
4	1	8	16			14	30		4		2	1440		
5		17	37			28	27	2	4		3	1440	5	
6		16	35			7	45	2			3	1440		
7		23	19	1		14	25		3		3	1440		

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
AUG 8		11	35			27	41	1	3	1	1	1440			
9		23	43	9		20	36	2				1440			
10		42	42	11		21	14		2	2		1440			
11		11	31	10		21	25				3	1440			
12		17	28	15		14	29	1	1		2	1440			
13	1	10	72	5		10	13	3	1			1440			
14		25	20	18		8	20		1		3	1440			
15		18	10	26		16	21		3		3	1440			
16	1	21	12	5		17	42	1	6		2	1440			
17		17	10	4		19	41	1				1440			
18		17	5	5		18	20	4	1	2	2	1440			
19		37	1	15		18	21		6			1440		38	
20	1	29	14	9		21	27		6		2	1440			
21		29	51	14		11	25		3	1					
22		35	15	17		20	39	2	2	1	1	1440			
23		35		17		22	34		2	1		1440		7	
24		57	3	14		11	28	1	1	1	3	1440			
25		22	1	2		19	35	2	1		3	1440			
26		53		3		17	28				1	1440		13	
27	6	38		1		8	25	1		2	1	1440			
28		26				13	24		3		5	1440			
29		16	1	1		21	24		2		3	1440		25	
30	1	7		1	1	21	34	2	2		2	1440		8	
31		12				19	41		4		2	1440		33	
SEP 1		8		1		11	37	1			3	1440		34	
2		8				18	26	1	3		3	1440			
3		29		2		13	26	3	1			1440		32	
4	3	15	1	3		16	29		4			1440			
5	4	20				10	24	2	3		3	1440			
6		44	4			22	20		5		2	1440			
7		25		2		10	30				1	1440		15	
8		33	1			10	20	1				1440			
9		21	14			14	16	3	1			1440		64	
10	1	11	24			14	18		4		1	1440		14	
11	7	22	27			18	27	1	1		1	1440			
12	2	14	15	1		22	10				1	1440			
13		26	17	1		22	18	2	1	1		1440		25	
14	1	22	20	2		14	15	1	4	4	1	1440			
15		7	18	1		23	18		1	1		1440			
16	2	11	31			15	25		2			1440			
17	3	13	162	1		9	23	2	1		2	1440		20	
18	2	21	22			9	20		1	1		1440			
19	2	21	7	8		19	37	2				1440	2	28	
20	3	23	19			12	30		5		6	1440		5	
21	7	22	13	2		19	27		1	1	2	1440			
22	5	24		2		7	29	1	4	12		1440			
23	3	52	4	2		24	29	1	1	7		1440		9	
24	4	34	1	3		7	35	1	1		1	1440		12	
25	1	55	2			15	37		5	46	1	1440			
26	4	49	40	1		22	25	2	2	27	1	1440			
27	2	31	247			25	28		3	19	1	1440			
28	3	19	415			14	27		3	22		1440			
29	1	22	242	2		21	30		3	16		1440		32	
30	1	31	122			13	38	1	3	6		1440		11	
OCT 1		53	280			13	33		5	6	3	1440			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP / MAUNA LOA
OCT 2		10	249	2		18	12		3	3		1440		57
3	2	53	94	1		23	18		4	5		1440		
4		100	30	3		14	24		6		2	1440		
5	2	24	44	1	1	16	22	2	3		2	1440		
6	2	21	21	2		19	16	1		6	2	1440		
7		37	31	4		14	24	1	6		1	144		
8		52		111	1	19	14		3		1	1440		12
9	1	19	1	99		19	7		3	1	1	1440		
10	3	25	6	19		19	19	1		1	1			
11		15	9	3		19	21		2	3	2	1440		
12		17	70	2		18	15		2			1440		
13	1	21	13			17	16		1	1	3	1440		3
14	1	18	1			19	18			1	2	1440		
15		19	2	4		16	28	1	4	1	2	1440		
16		22		2		16	24		7	1	1	1440		35
17	2	35	1	3		19	27		5	3		1440		
18	3	52	1	4		16	23	17	1		1	1440		
19	7	65	6	4		12	23		5	3		1440		
20	9	30	18	3		23	36	1	1		1	1440		
21	2	44	24	4	1	18	28		2		2			
22		24	43	1		21	9				4	1440		
23		18	7	3	1	16	9		3		1	1440		
24	4	51	33	7		9	25		2	1	1	1440		
25	2	42	1	9		9	294		3	1	1	1441		84
26		102	4	2		10	64		1		1	1440		9
27	2	57	4	11		14	31		5	2	1	1440		
28	1	39	2	63		25	28			1	1	1440		
29	4	23	1	29		20	38		1			1440		
30		25		31	1	11	20	1	1			1440		
31	2	42	1	17		5	26	2	4	3		1440		
NOV 1	1	41	40	12		15	28	2	5	1	1	1440		
2		25	6	16	1	16	19	1	5	1	2	1440		
3		32	5	21		21	26		9	1		1440		28
4	2	28		67		14	24		6		3	1440		
5		23	6	19		18	16		3	1	3	1440		
6	1	28	3	50		15	29		6	1	3	1440		
7	1	31	27	78		27	31		5			1440		
8		24		64		13	23	1	4		1	1440		
9		25	4	33		11	20		1	1	1	1440		
10	2	23	10	20		18	28		1	1	1	1440		
11	1	28	12	46		15	29		4	1	2	1440		
12	2	62	2	30		13	13	1	5	1		1440		
13	3	75	72	111		20	24		2		1	1440		14
14	1	57	24	39		14	39		4	2		1440		
15	4	57	16	85		21	24	1	1			1440		
16	1	47	32	48		14	23		2		1	1440		
17	2	32	8	76		29	24		1		1	1440		
18	5	50		20		19	33		1	1	3			
19	1	57		122		16	21		1			1440		
20	2	44		59		17	17		2			1440		
21	1	30	3	21		18	18					1440		
22		52	3	23		12	14		2	1		1440		
23	1	30		23		15	26	1	3			1440		
24		23	17	15		15	35		21			1440		
25		18	28	9		20	25		6			1440		

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1996	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP / MAUNA LOA
NOV26	2	26	8	13		28	20		2	2	1	1440		
27		23	23	10		22	5		4		1	1440		
28		21	11	11		16	16		1		6	1440		
29	2	18	16	10		12	15		1	1	2	1440		
30		10		8		15	18		4	1	1	1440		
DEC 1	1	26	2	13		15	21				3	1440		
2		26	3	30		18	22		5		1	1440		
3	2	22		11		24	12		3			1440		
4	2	10	2	13		17	15		1		6	1440		
5		8	3	8		11	34		2	1		1440		
6	4	8	6	8		17	21	1	6	1	1	1440		
7	2	10	1			15	6		3			1440		
8	2	19	5	2		15	66		2	1		1440		
9	2	35	1	1		17	27		8	1		1440		
10		19	13	5		20	29		5			1440		
11	1	21		3		15	24		6	1		1440		
12	1	9	10	1		12	17		3			1440		
13	2	13	4	3		16	28		1		2	1440	49	
14	1	16	8	3		17	28				2	1440		
15	2	18				20	28					1440		
16*		15	2	1		6	10		2		1	1440	25	
17	1	16			1	25	24	1	3		1	1440		
18	1	9		4		15	25	1	6	1		1440		
19	2	16	10	2		15	21	3	7		1	1440		
20		17		2		26	20	4	8		3	1440	35	
21	2	29	1			21	12	2	2		1	1440		
22	1	16		1		17	15	2	3			1440		
23	1	5				5	2	1				1440		
24	3	7		2		9	11	2				1440		
25		16		1	1	12	12	2	1			1440		
26		8	1			20	12	2	1			1440		
27		7				7	24	2				1440		
28	5	7			1	11	13					1440		
29	2	5			2	12	5	3	1			1440	13	
30	2	3				9	13		1			1440		
31*		2				9	7					1440		

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

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

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

—Shallow:

1 SNC - Shallow north caldera (0-5 km)
2 SSC - Shallow south caldera (0-5 km)
3 SEC - Shallow east caldera (0-5 km)
4 SER - Shallow east rift (0-5 km)
5 SME - Shallow middle east rift (0-5 km)
6 KOA - Koa'e 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 rift zones of Kilauea and Mauna Loa (0-13 km)
17 GLN - Glenwood (0-13 km)
18 SWR - Southwest rift zone of Kilauea (0-13 km)
19 INT - Intermediate caldera (5-13 km)
20 KAO - Ka'oiki (0-13 km)

—Deep:

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

—Outer regions, all depths:

24 LOI - Lo'ihi
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. If the coordinates overlap, precedence is given as in the maps.

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

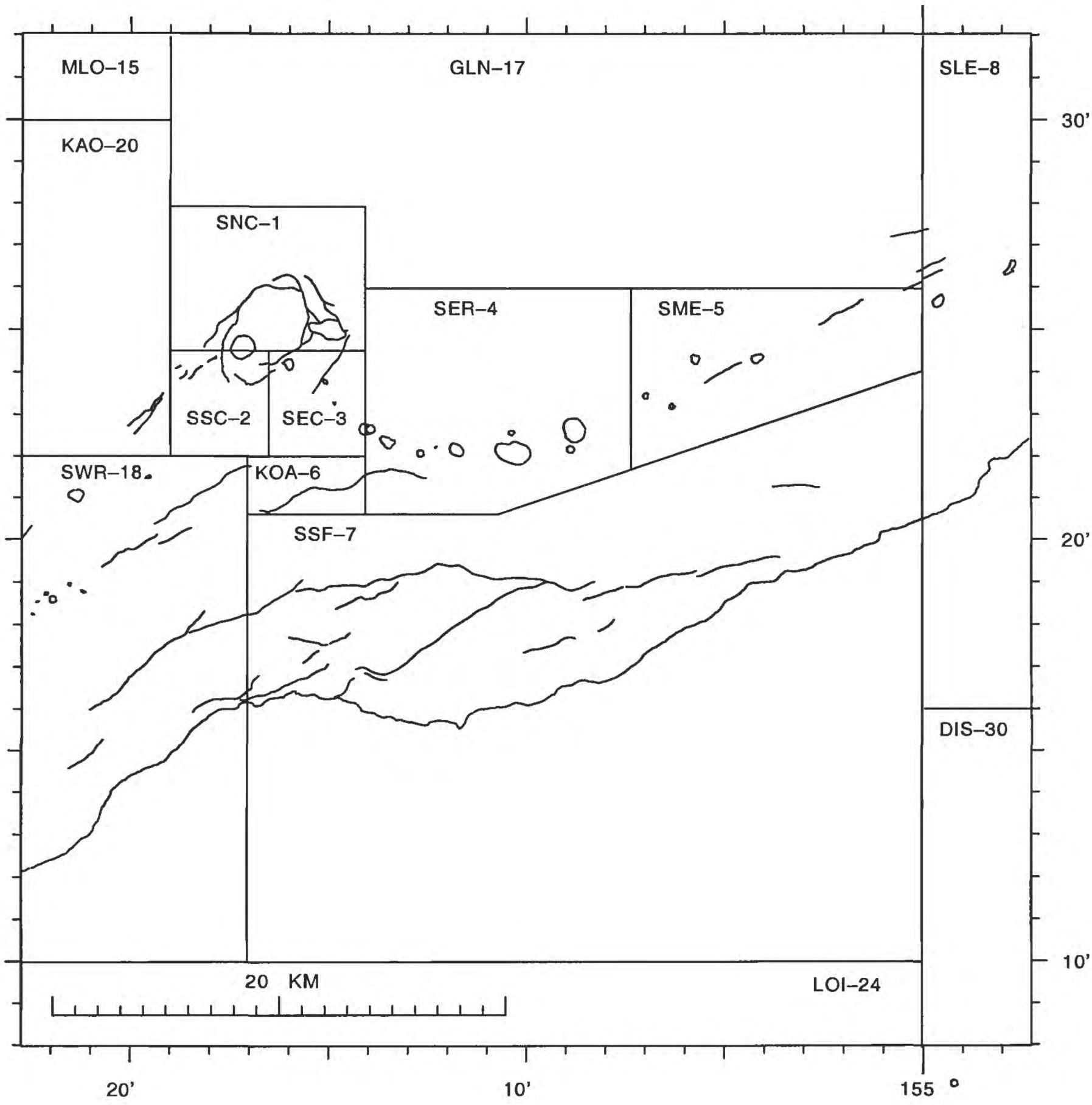


Figure 6. Earthquake classification, shallow (0-5 km deep), for Kilauea and the east flank of Mauna Loa.

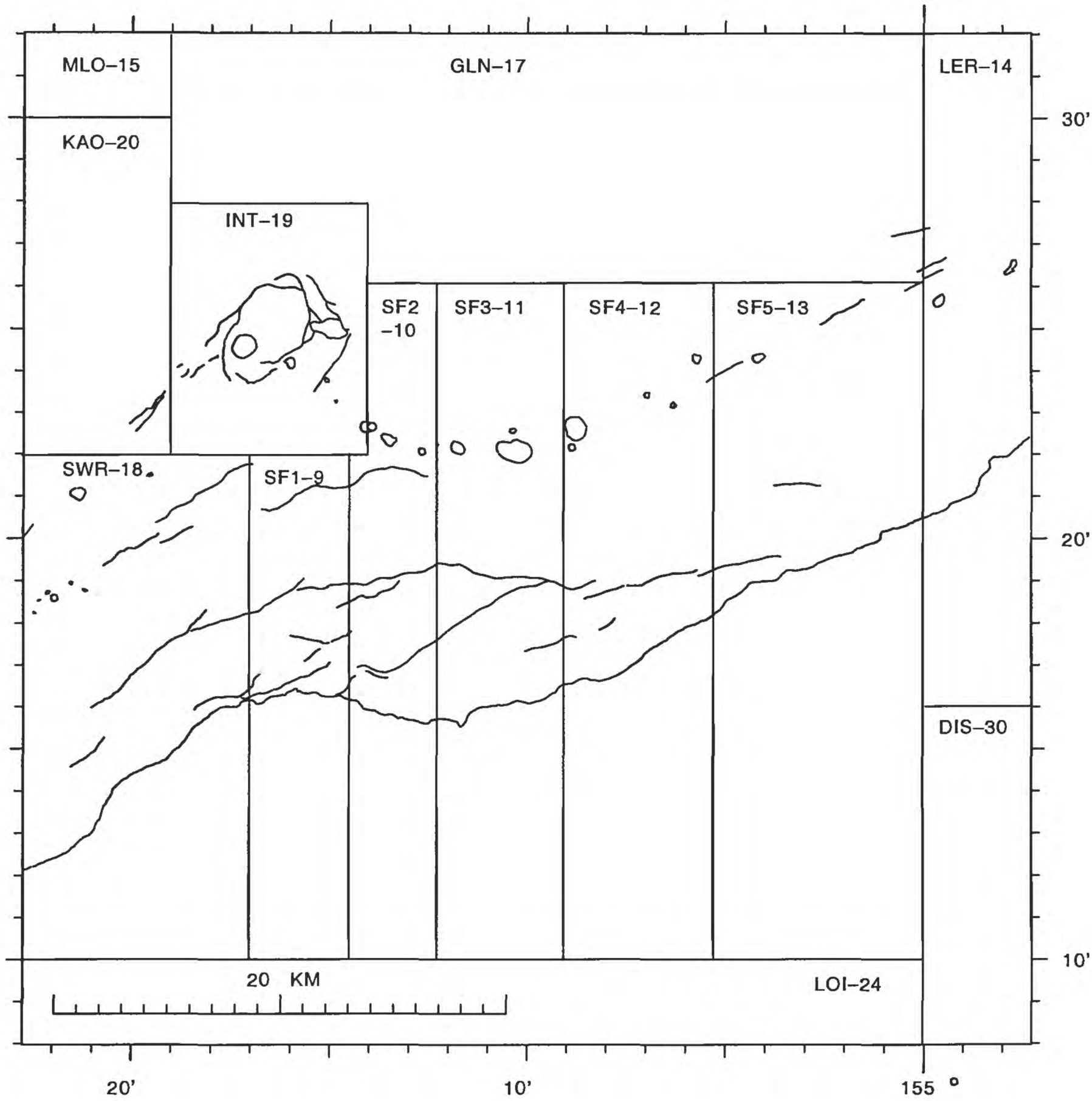


Figure 7. Earthquake classification, intermediate (5.1-13 km deep), for Kilauea and the east flank of Mauna Loa.

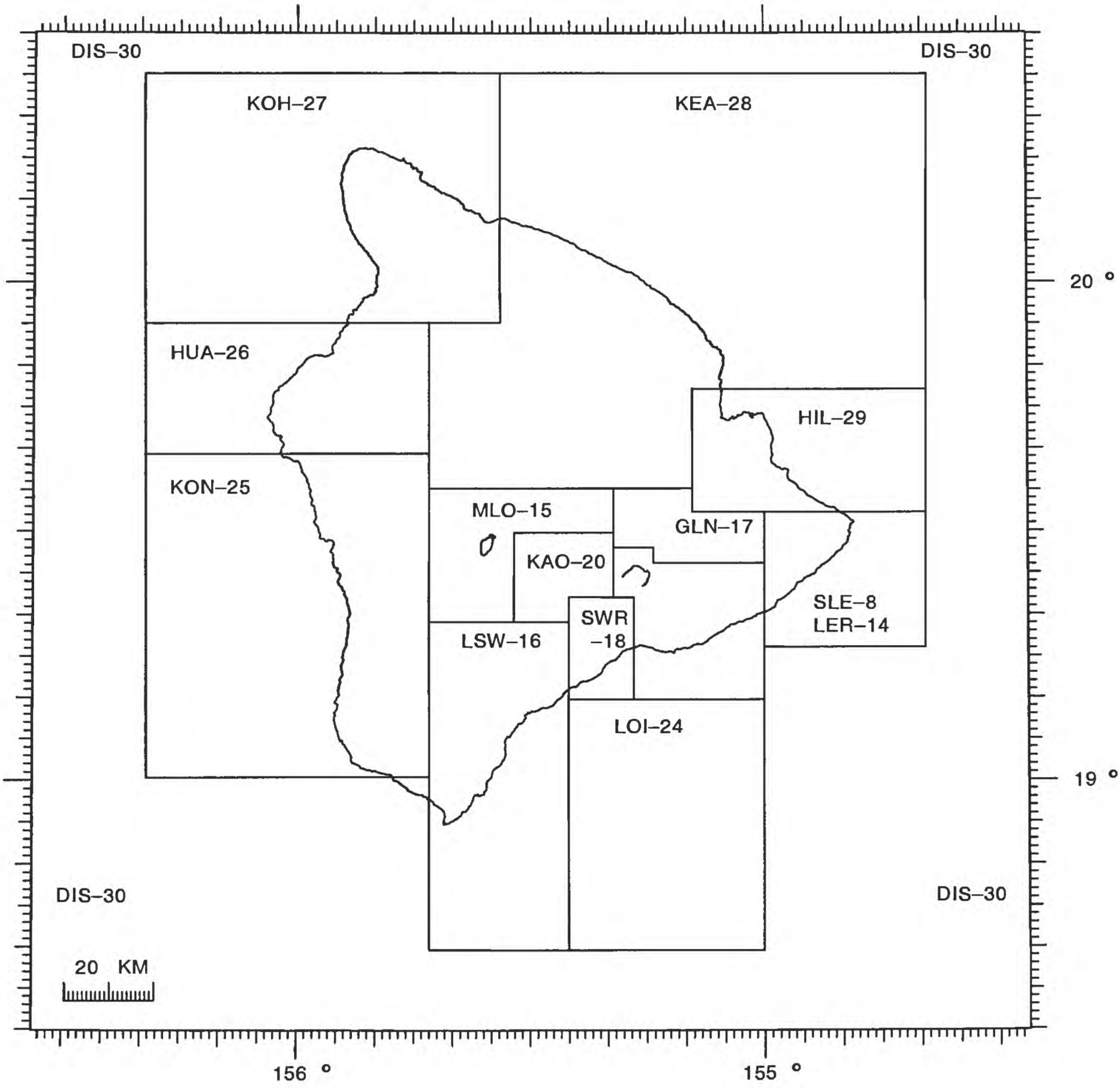


Figure 8. Earthquake classification, crustal (0-13 km deep), for the Island of Hawai'i.

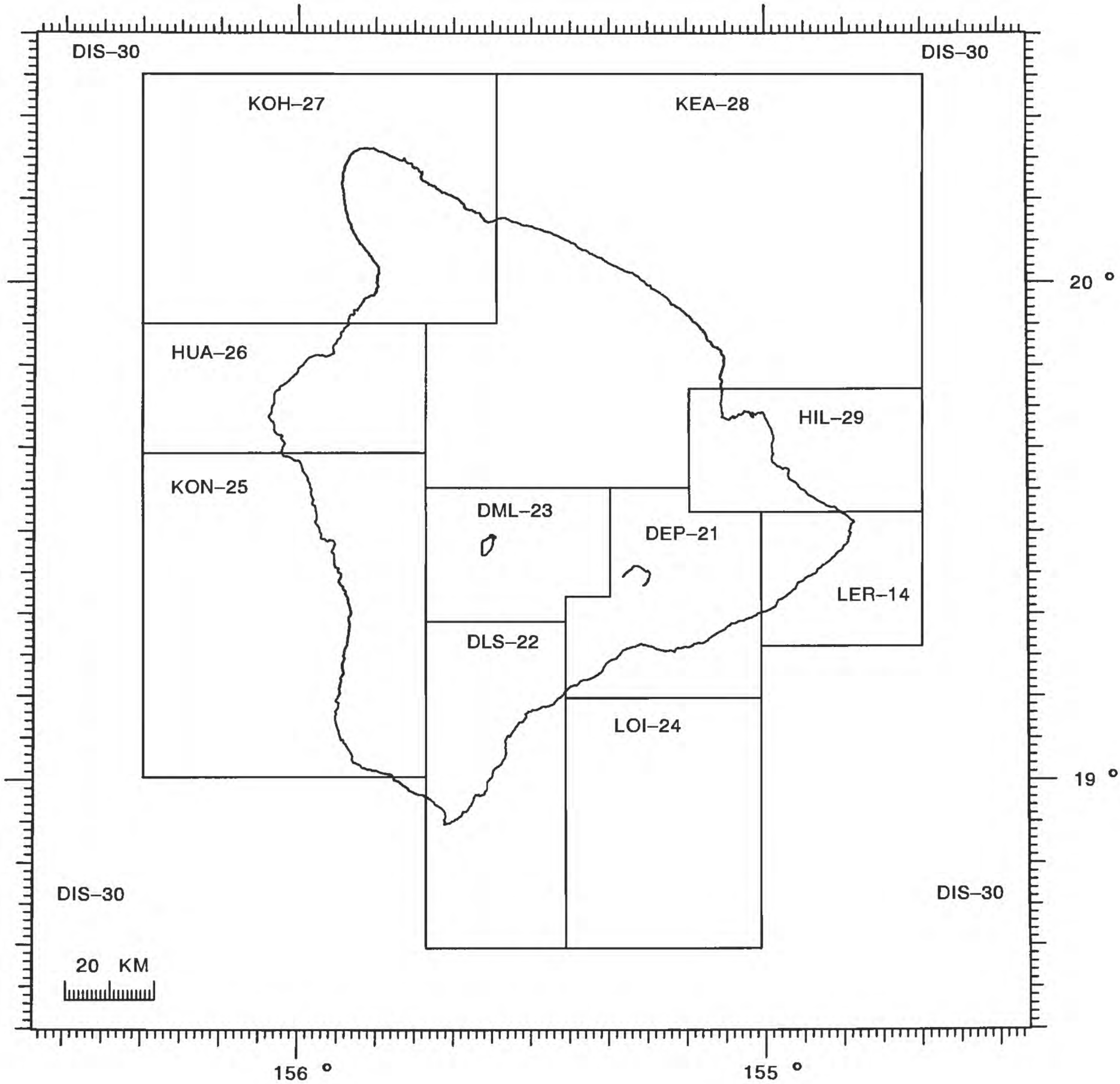


Figure 9. Earthquake classification, deep (greater than 13 km deep), for the Island of Hawai'i.

Figure 10. 1996 earthquake locations, Hawaiian Islands,
0–60 km depth, M>=3.5.

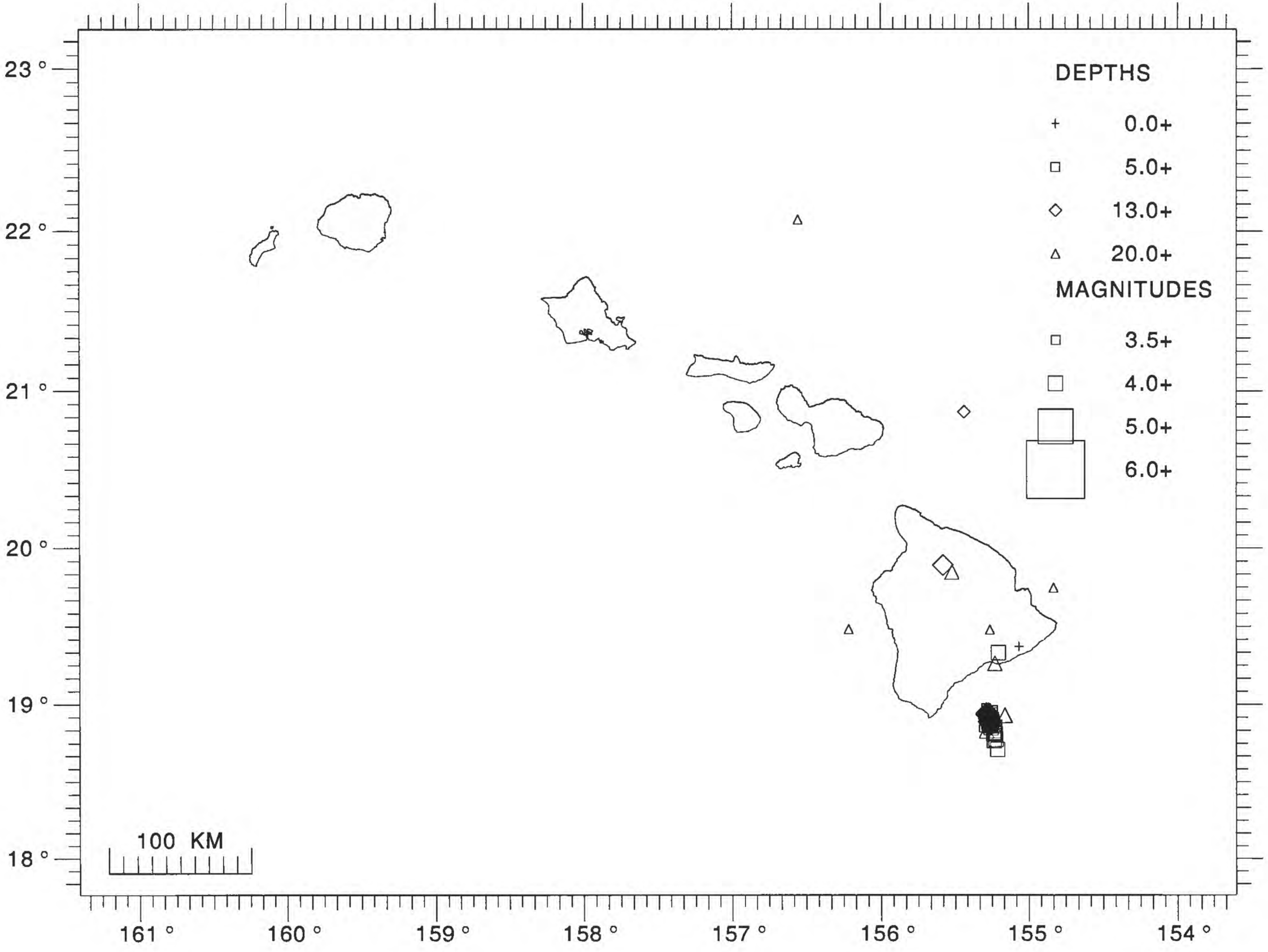


Figure 11. 1996 earthquake locations, Hawai'i Island,
0–60 km depth, M>=3.0.

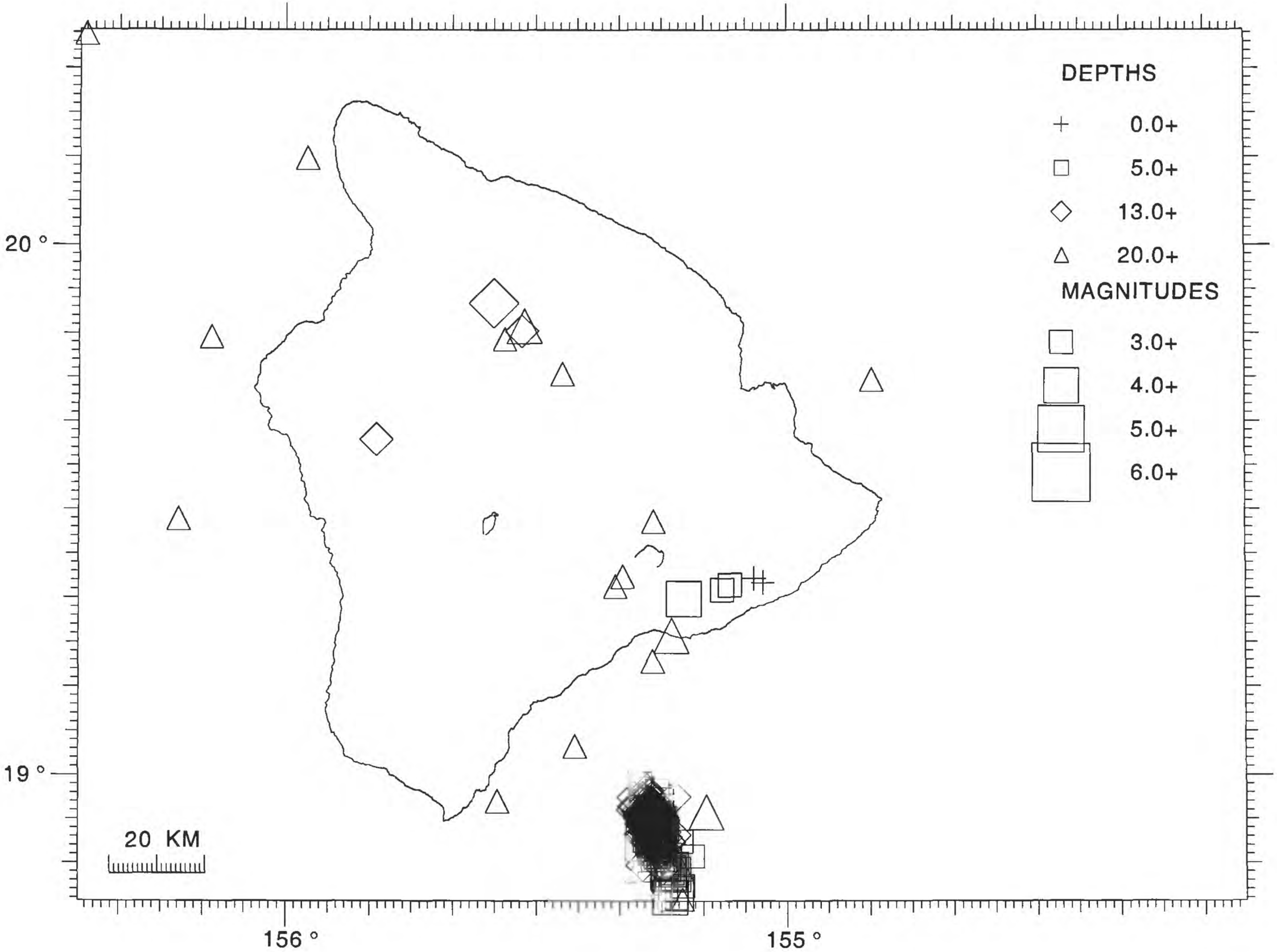


Figure 12. 1996 earthquake locations, Hawai'i Island, shallow (0–5.0 km depth), M>=2.0.

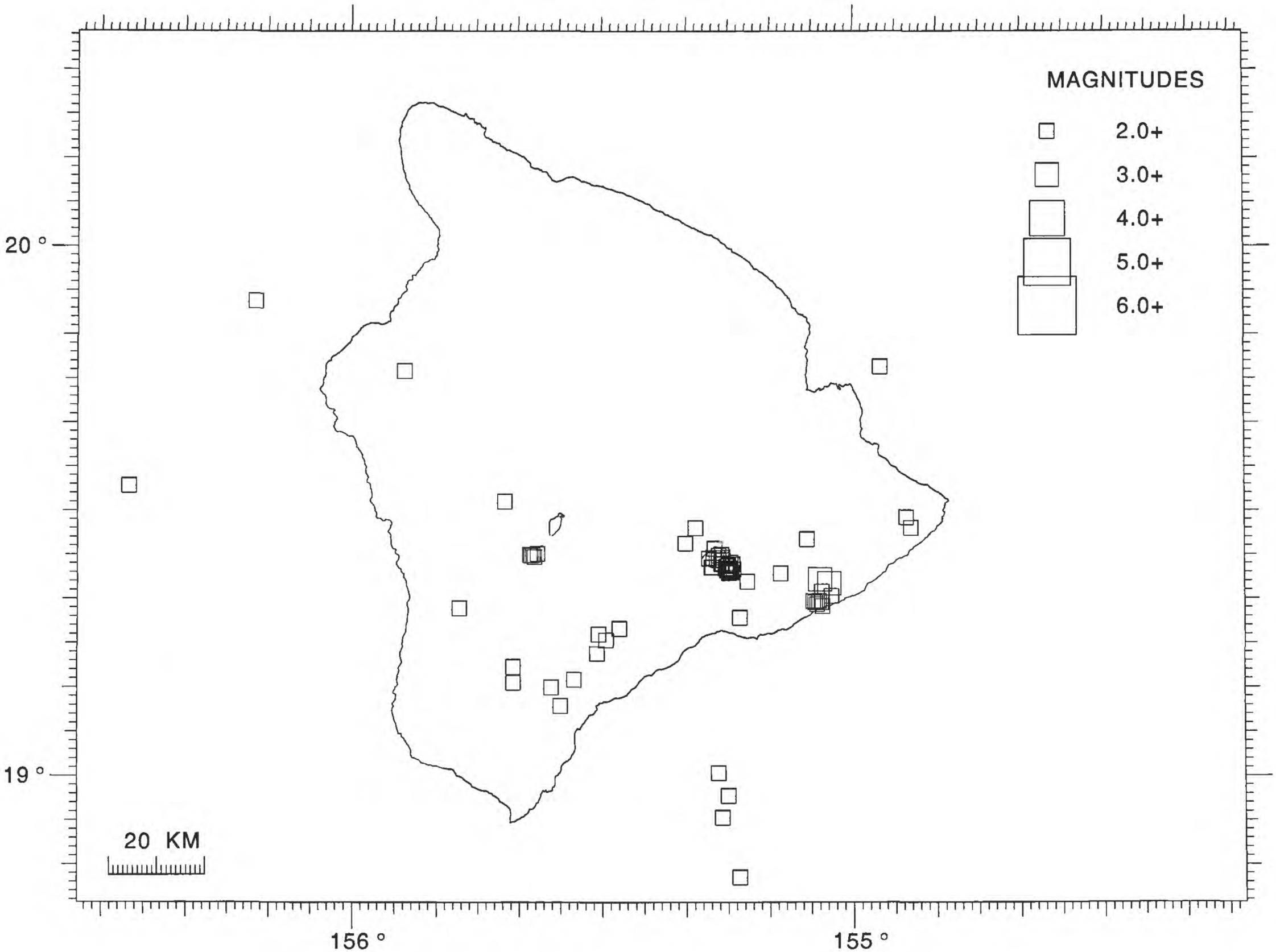


Figure 13. 1996 earthquake locations, Hawai'i Island, intermediate (5.1–13.0 km depth), M>=2.0.

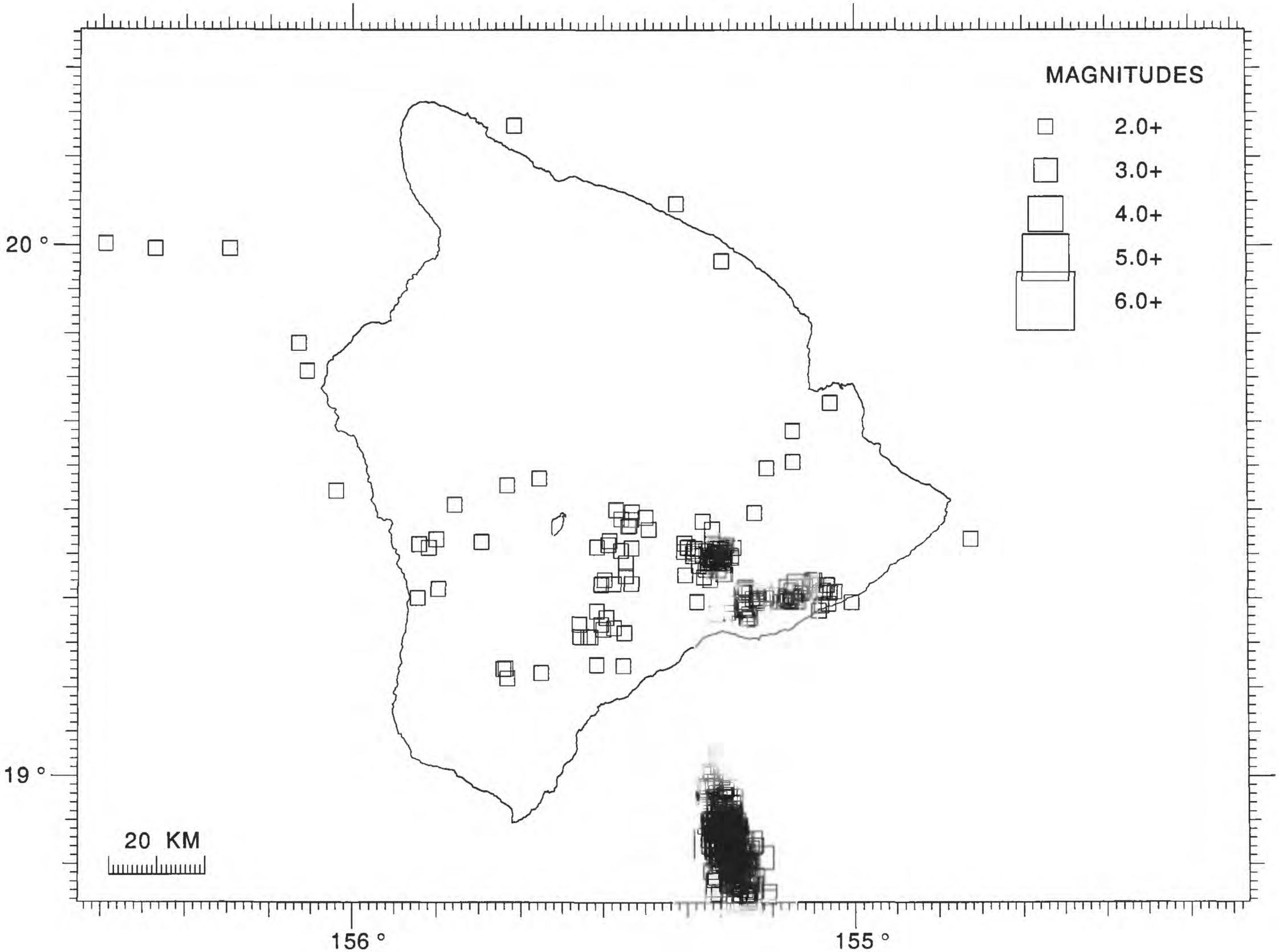


Figure 14. 1996 earthquake locations, Hawai'i Island, deep (13.1–60.0 km depth), M>=2.0.

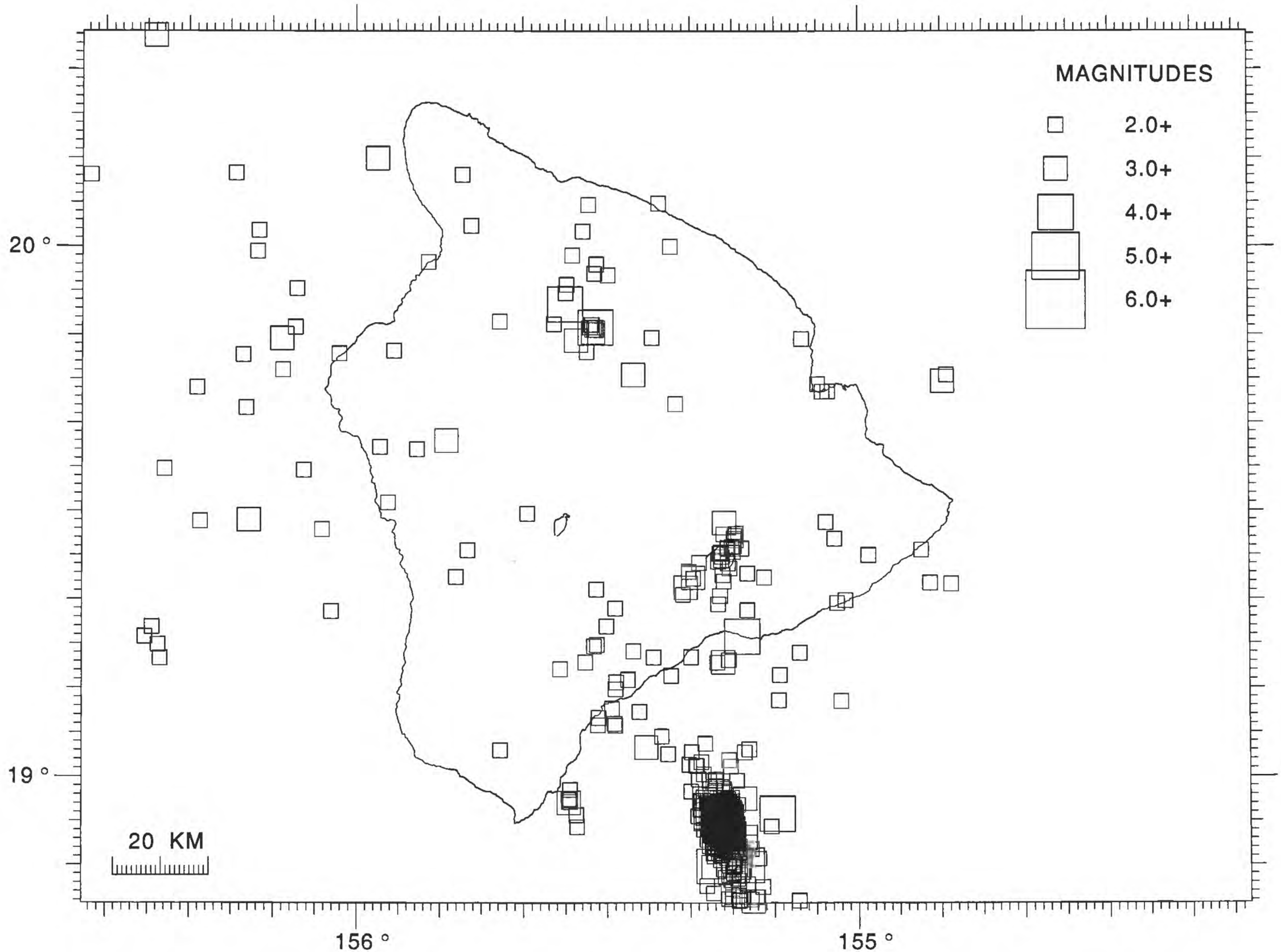


Figure 15. 1996 earthquake locations, Kilauea summit, shallow (0–5.0 km depth), M>=1.0.

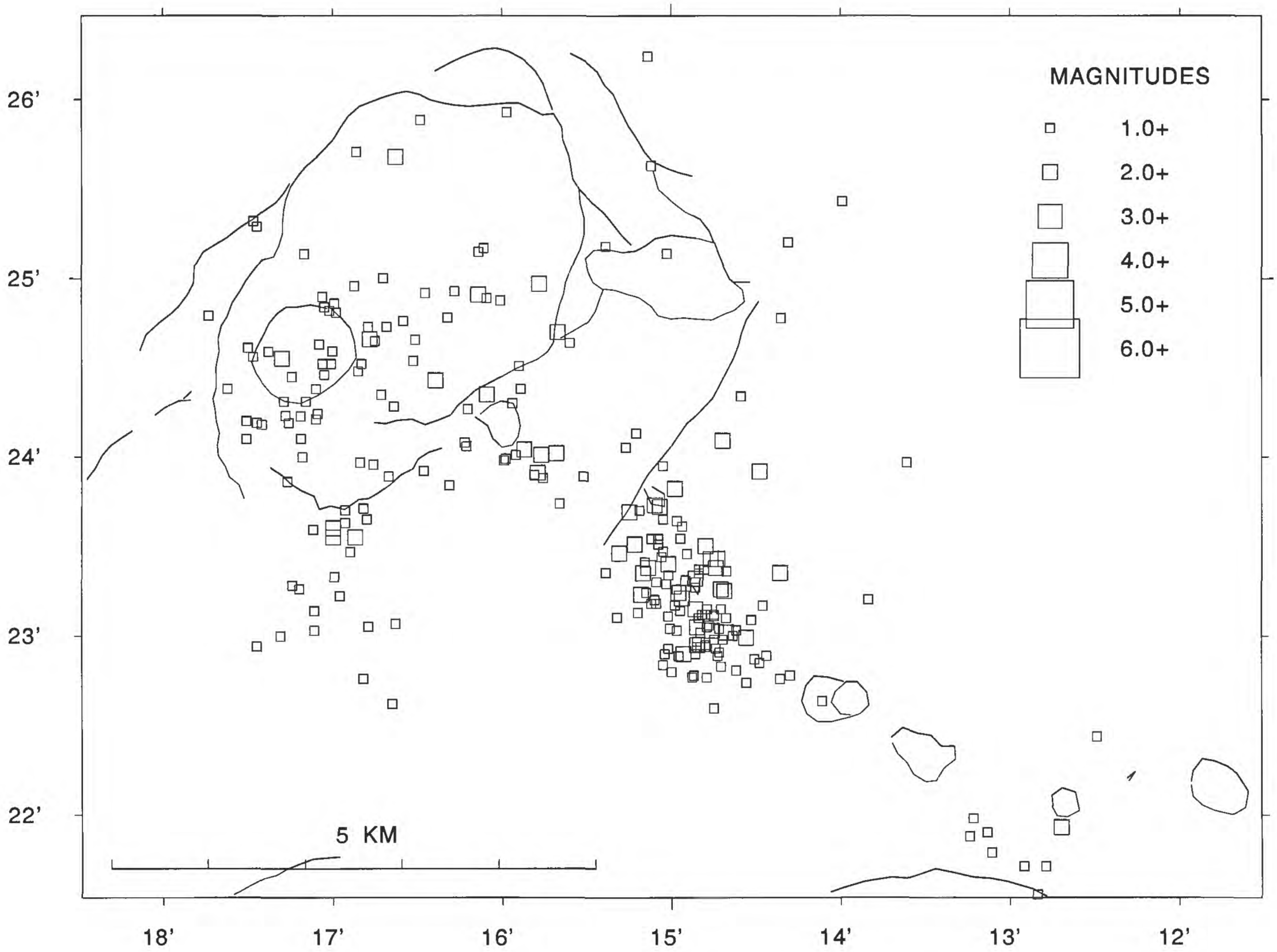


Figure 16. 1996 earthquake locations, Kilauea summit, intermediate (5.1–13.0 km depth), M>=1.0.

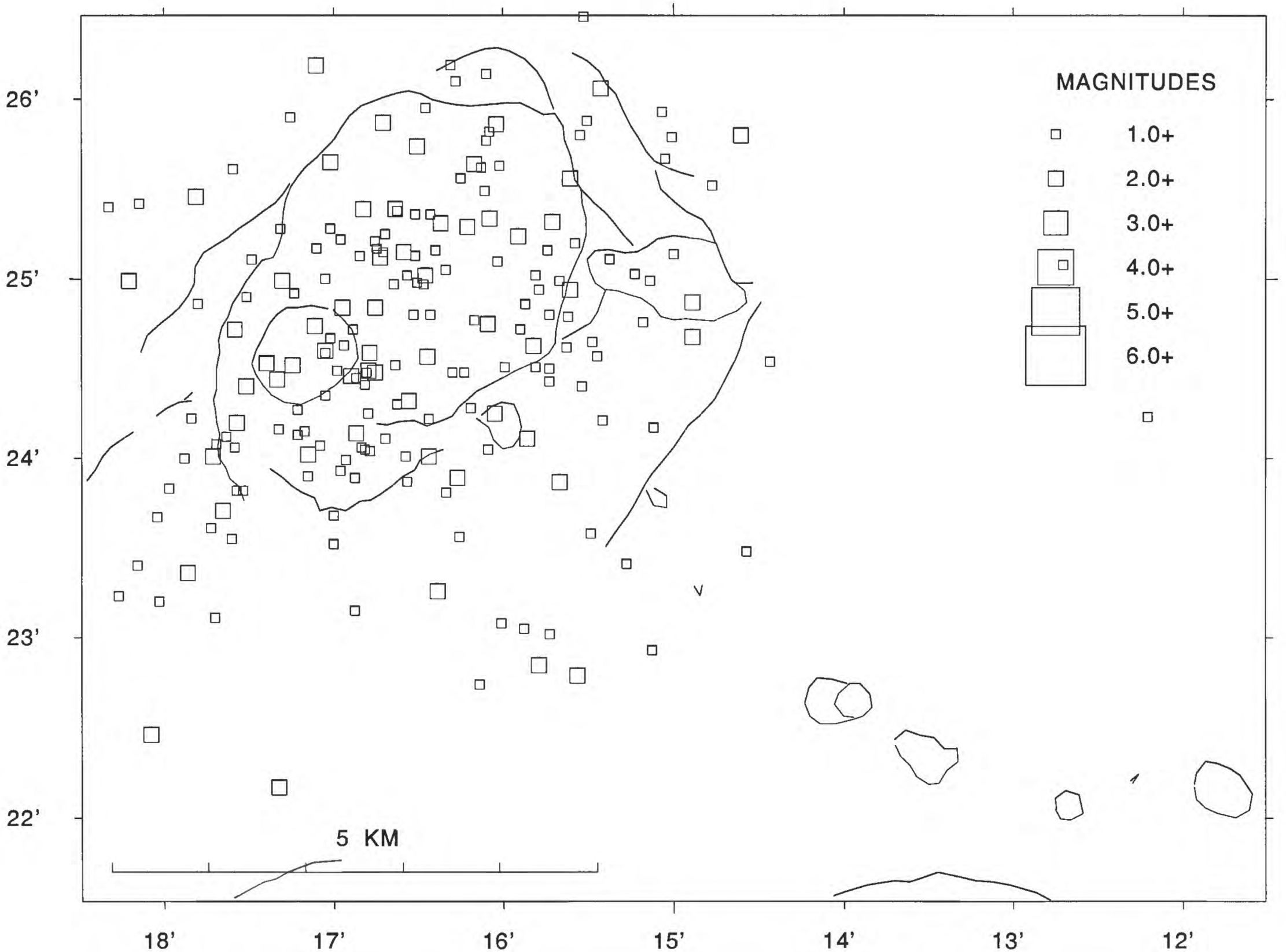
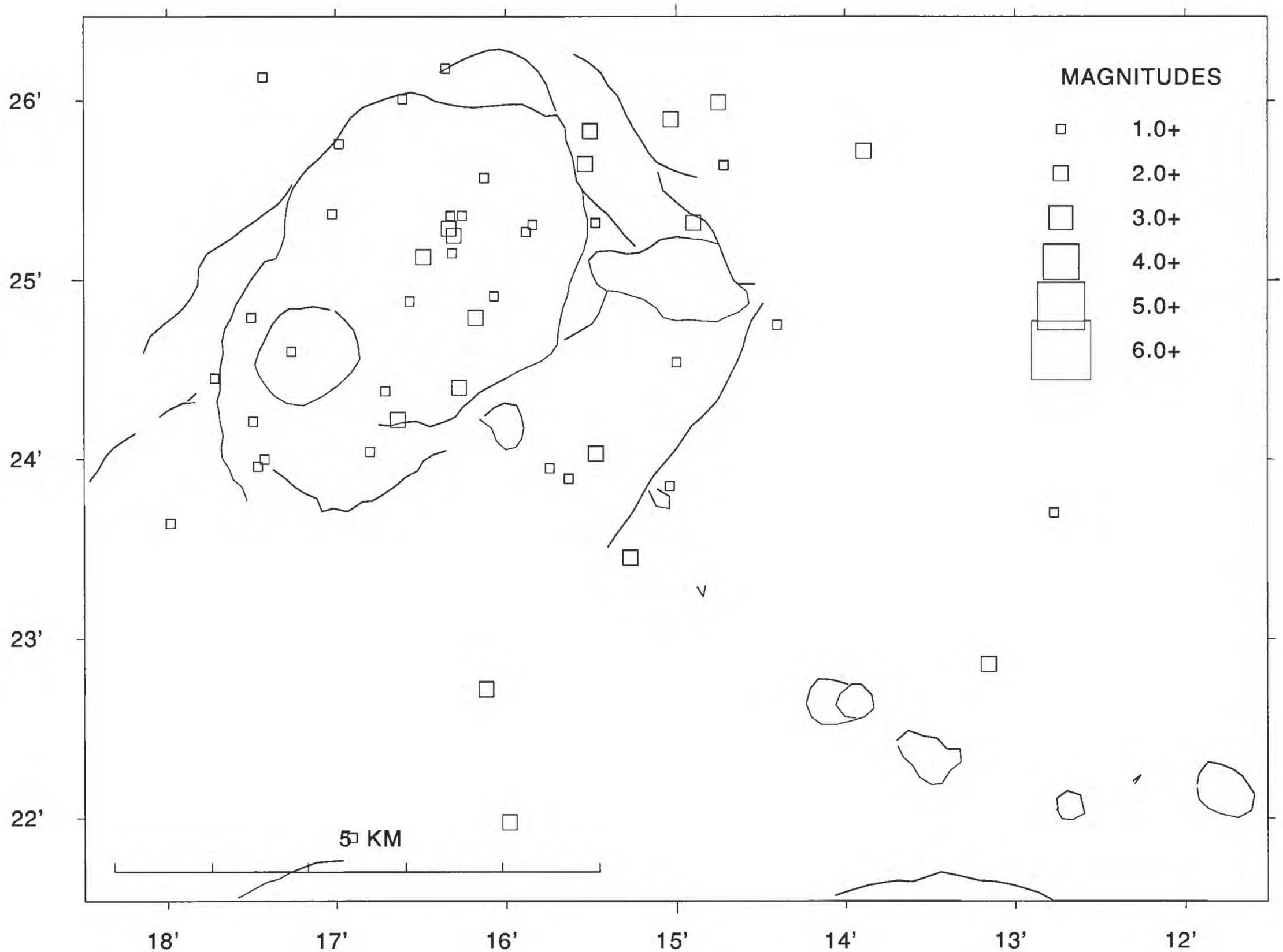


Figure 17. 1996 earthquake locations, Kilauea summit, deep (13.1–60.0 km depth), M>=1.0.



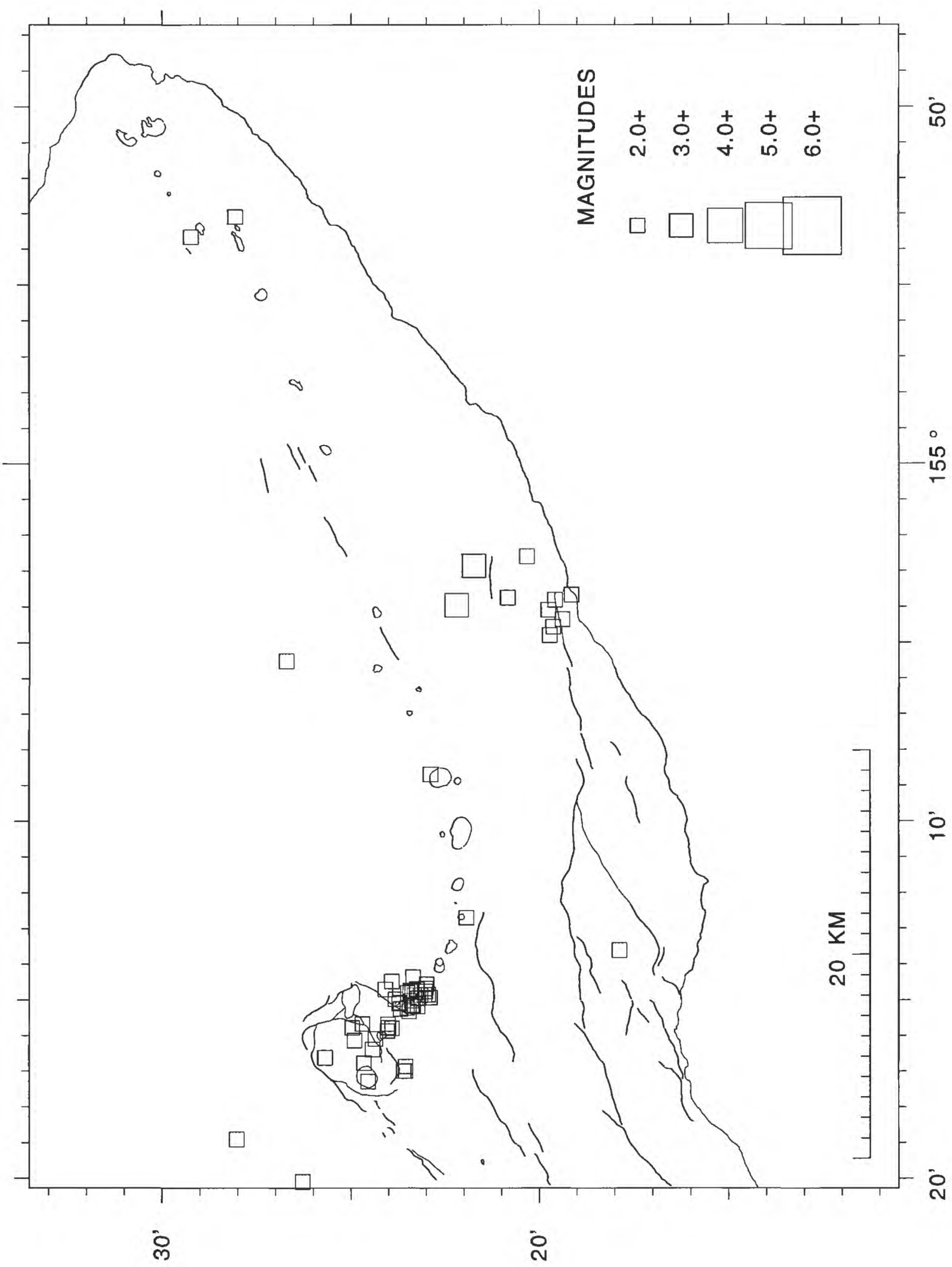


Figure 18. 1996 earthquake locations, Kilauea south flank, shallow (0–5.0 km depth), M>=2.0.

Figure 19. 1996 earthquake locations, Kilauea south flank, intermediate (5.1–13.0 km depth), M>=2.0.

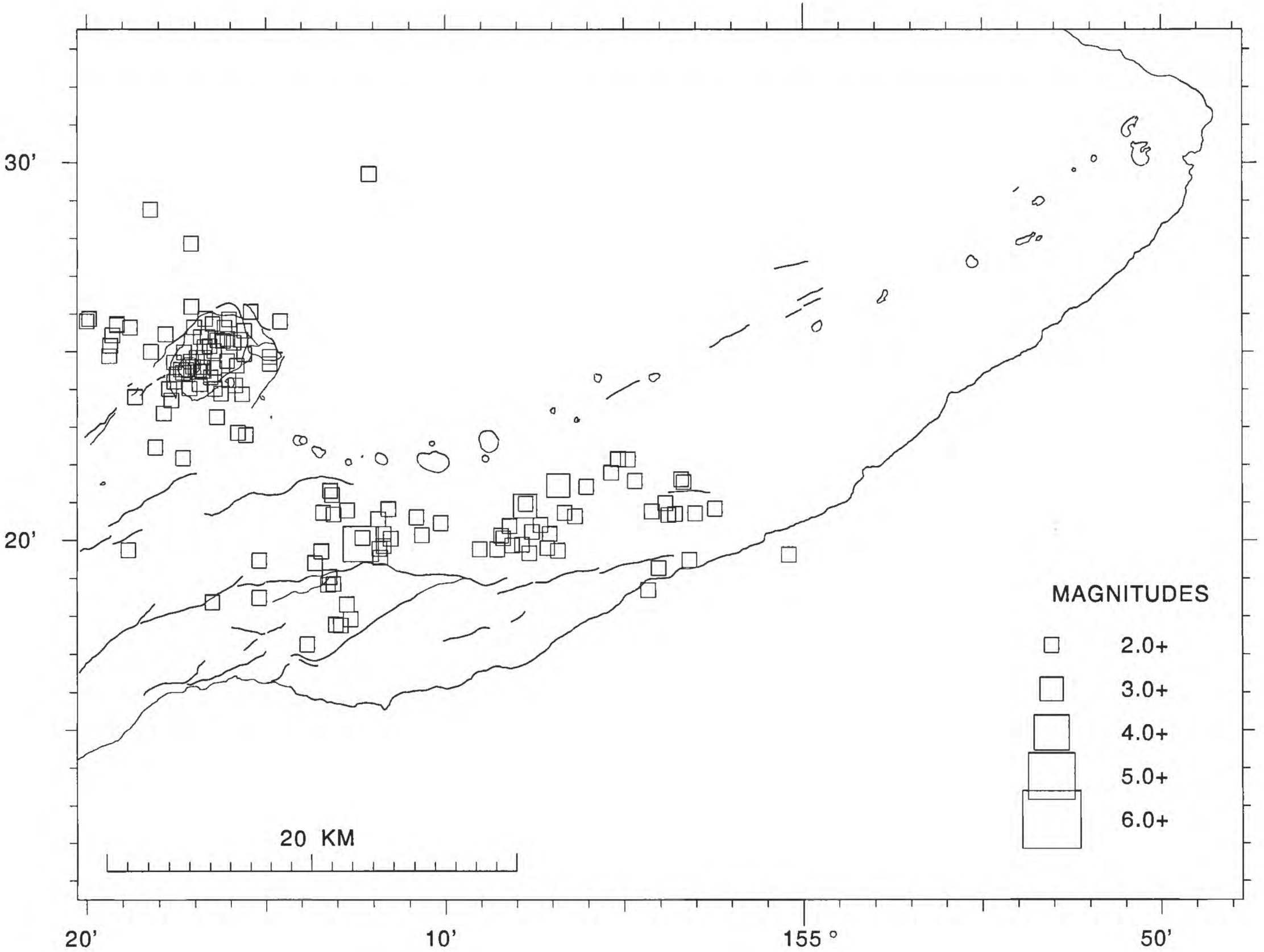
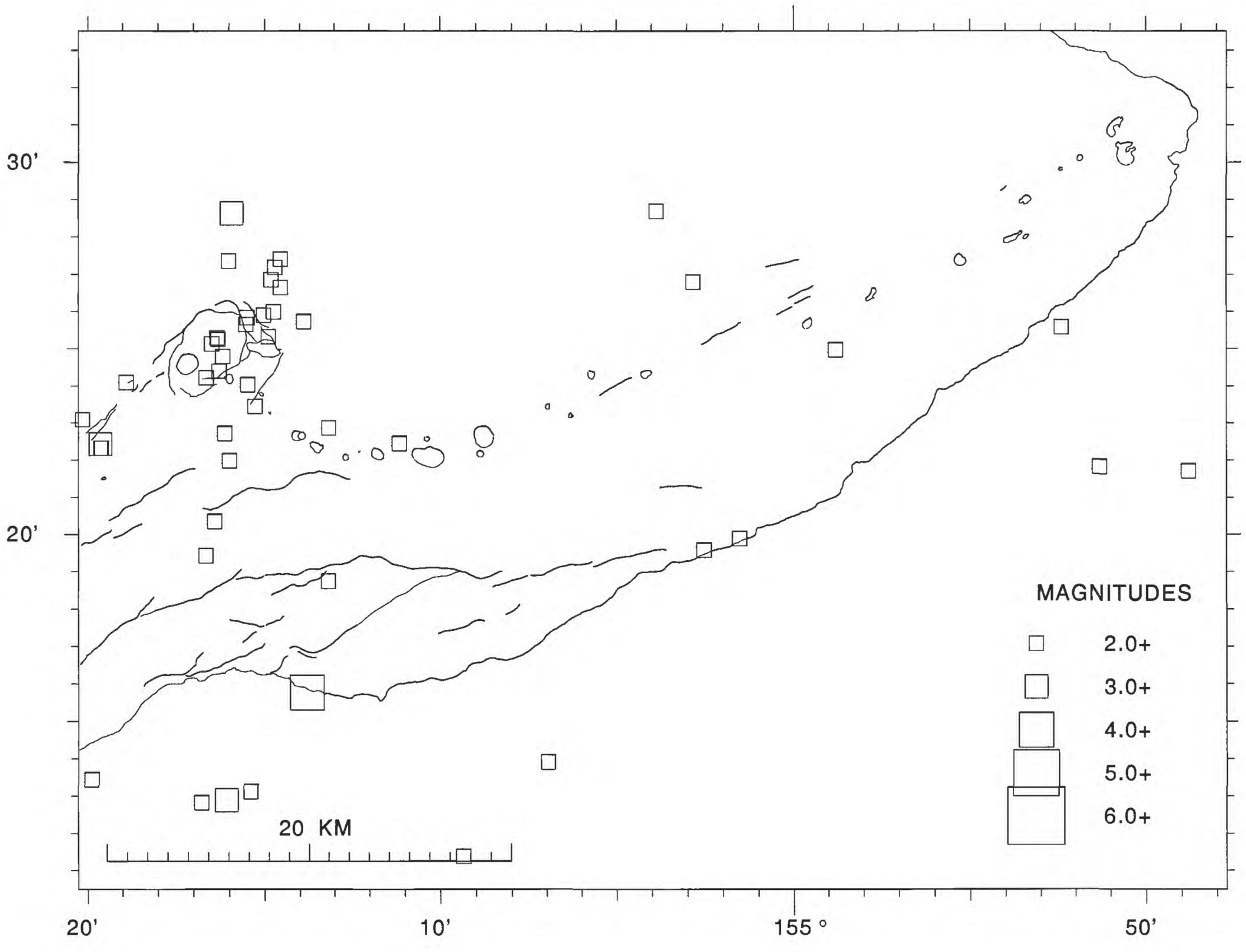


Figure 20. 1996 earthquake locations, Kilauea south flank, deep (13.1–60.0 km depth), M>=2.0.



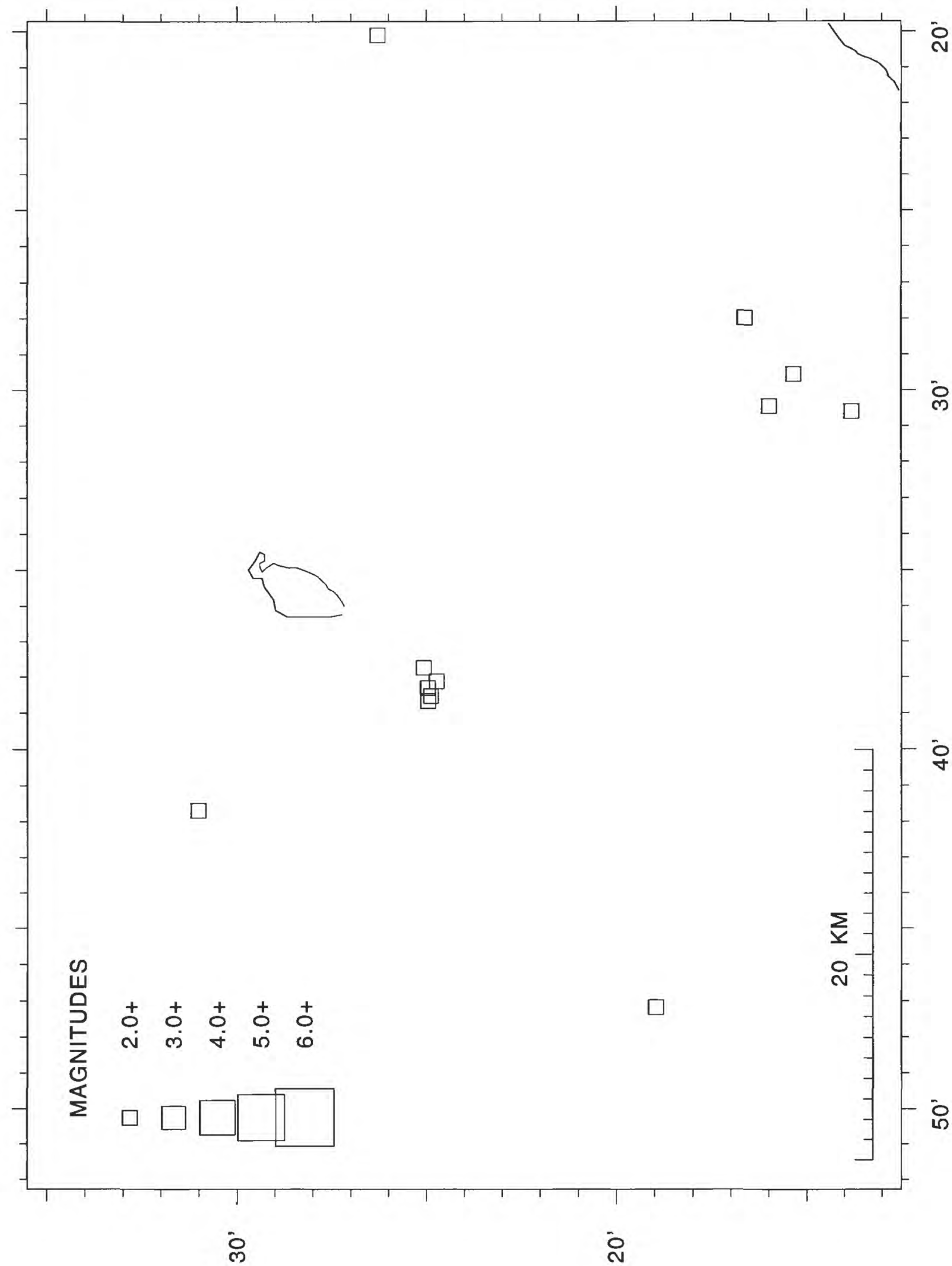


Figure 21. 1996 earthquake locations, Mauna Loa summit, shallow (0–5.0 km depth), M>=2.0.

Figure 22. 1996 earthquake locations, Mauna Loa summit, intermediate (5.1–13.0 km depth), M>=2.0.

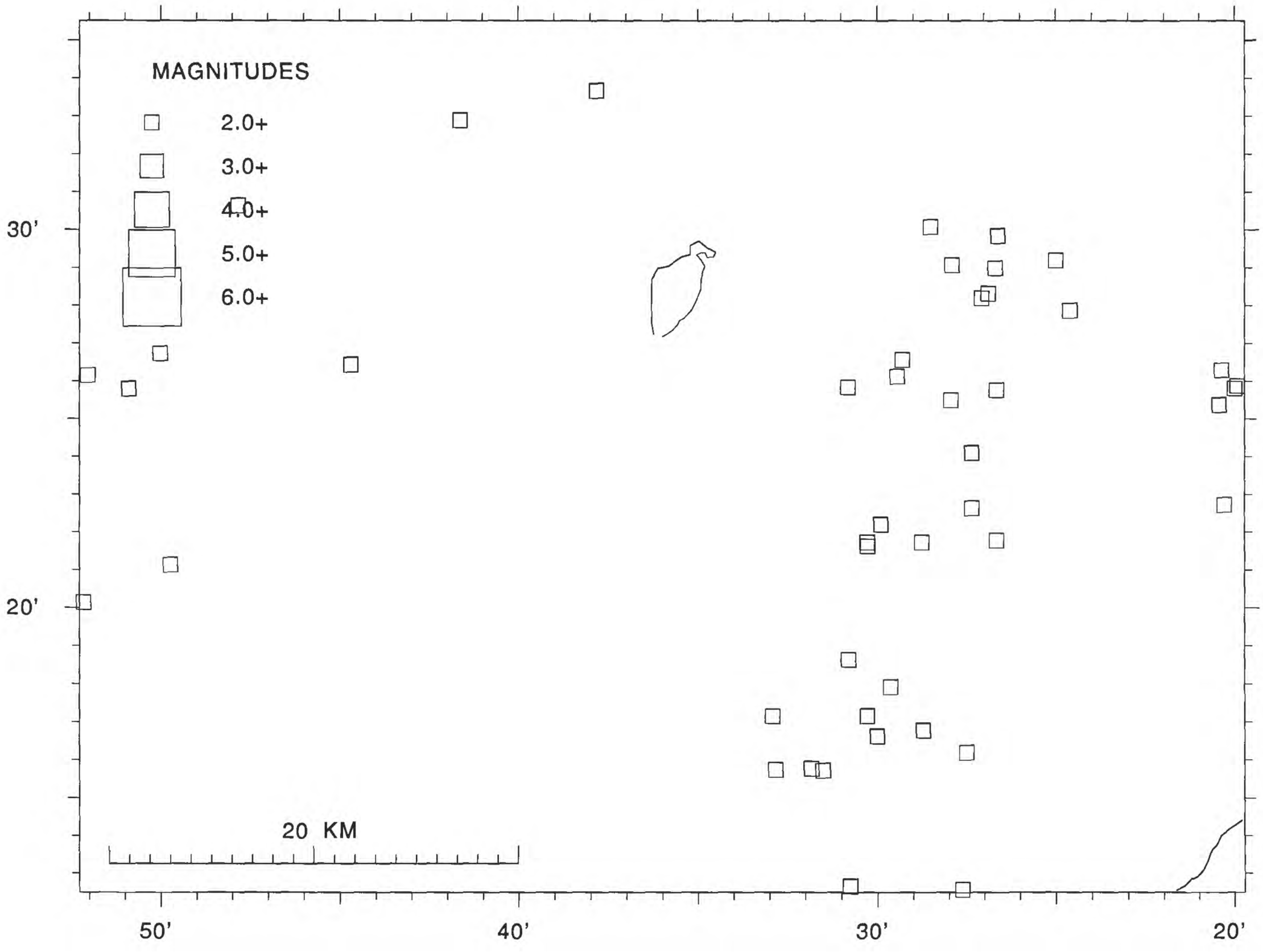


Figure 23. 1996 earthquake locations, Mauna Loa summit, deep (13.1–60.0 km depth), M>=2.0.

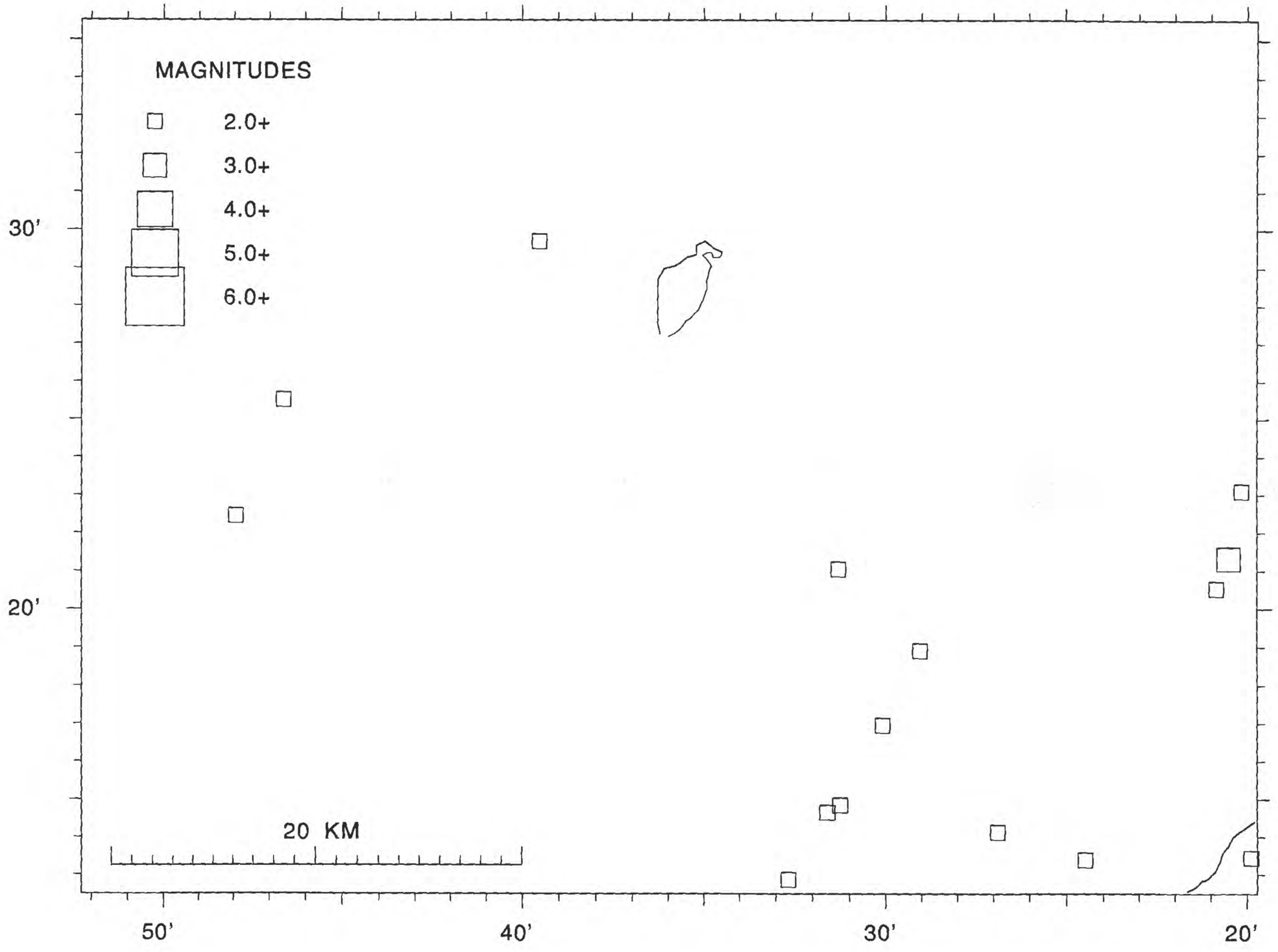


Table 5 is a chronological list of selected events successfully located during 1996. For each event, the following data are presented:

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

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

DEPTH - Depth of focus in kilometers.

NRD - Number of P & S readings with final weights > 0.1.

NS - Number of S. readings with final weights > 0.1

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

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

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

LOC REMKS - Remarks, three-letter code for geographic location of events. See Figures 6-9 for location of mnemonic code. Additional one-letter codes have the following meanings:

F felt

L long-period character

T associated with harmonic tremor

B quarry or other blast

* the location program had a convergence problem, which usually means that the depth may be unreliable.

\- the depth was held fixed.

PREF MAG – The preferred magnitude chosen from the available magnitudes.
Preference set as: X-amplitude magnitude, if none
D-Develocorder duration magnitude, if none
U-external magnitude, usually calculated from drum records.

NRD – The total weight of amplitude magnitude readings from contributing stations.

AZ GAP - Largest azimuthal gap in degrees between azimuthally adjacent stations.

MIN DS – Distance to the nearest station, in kilometers.

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

Table 5.

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JAN	1	540	9.45	19	22.93	155	33.65	7.46	23	2	.10	.3	1.2	MLO	1.9X	3	46	4
96	JAN	1	544	22.81	19	14.21	155	33.11	8.61	4611		.16	.4	.8	LSW	1.9X	8	114	5
96	JAN	1	1028	36.93	19	24.00	155	17.42	15.07	5319		.11	.4	.3	DEP	1.8X	10	35	1
96	JAN	1	2213	54.94	19	11.47	155	39.96	9.34	33	3	.13	.4	.7	LSW	1.6X	2	100	8
96	JAN	2	235	49.02	19	34.80	155	10.65	12.32	4714		.13	.4	.5	GLN	2.0X	7	156	12
96	JAN	2	613	52.94	19	34.78	155	10.90	12.03	44	9	.15	.5	.6	GLN	1.8X	7	155	12
96	JAN	2	631	32.65	19	22.64	155	25.94	10.45	19	2	.07	.5	.8	KAO	1.1X	2	67	3
96	JAN	2	910	26.72	19	19.35	155	13.16	7.93	30	4	.07	.4	.9	SF2	1.4X	5	133	6
96	JAN	2	1030	5.48	19	21.95	155	4.33	9.18	23	3	.10	.8	.7	SF5	1.3X	2	158	6
96	JAN	2	1258	47.36	19	25.21	155	20.40	7.76	3411		.09	.3	.7	KAO	1.4X	4	83	3
96	JAN	2	1945	22.65	19	24.19	155	17.45	1.56	20	6	.10	.3	.3	SSCL	1.6X	5	75	2
96	JAN	3	404	53.28	19	15.30	156	3.60	44.96	44	6	.08	1.0	.9	KON	1.9X	6	260	20
96	JAN	3	844	58.91	19	20.24	155	11.30	8.24	33	6	.09	.5	.8	SF3	1.3X	4	112	4
96	JAN	3	1122	30.87	19	14.06	155	28.14	7.73	46	6	.18	.4	.9	LSW	2.0X	9	90	4
96	JAN	3	2144	23.80	19	20.82	155	6.76	8.94	5015		.09	.4	.4	SF4	1.8X	10	139	5
96	JAN	3	2150	1.48	19	20.66	155	6.66	8.30	4211		.09	.3	.3	SF4	1.9X	9	142	5
96	JAN	3	2221	14.43	20	0.94	155	39.39	16.24	40	4	.11	2.5	7.2	KOH	2.0X	6	157	18
96	JAN	3	2238	7.44	19	26.32	155	50.02	7.35	22	2	.20	.8	2.5	KON	1.0X	3	170	10
96	JAN	4	42	39.14	19	17.55	155	26.48	33.35	4410		.10	.6	1.0	DLS	1.7X	7	52	7
96	JAN	4	259	25.24	19	24.25	155	29.88	10.89	38	3	.07	.3	.6	KAO	1.5X	5	35	5
96	JAN	4	649	10.21	19	51.08	156	3.66	1.39	11	2	.10	3.4	2.2	HUA #	1.6X	1	332	30
96	JAN	4	938	16.08	19	20.68	155	11.16	9.40	4713		.10	.4	.4	SF3	1.8X	7	98	3
96	JAN	4	1255	14.14	19	13.74	155	34.71	8.50	31	3	.13	.7	.8	LSW	1.6X	4	155	5
96	JAN	4	1439	11.95	19	19.56	155	11.71	7.28	35	8	.10	.4	.7	SF3	1.4X	6	93	6
96	JAN	4	1640	54.15	19	21.54	155	3.34	8.46	4714		.12	.5	.4	SF5	2.3X	7	177	8
96	JAN	4	1753	36.24	18	58.63	155	12.08	43.76	37	3	.11	2.0	1.6	LOI	1.7X	4	246	34
96	JAN	5	111	41.35	19	21.89	155	16.91	24.32	4714		.11	.5	.6	DEP	1.6X	8	49	2
96	JAN	5	938	29.87	19	11.78	155	18.82	48.35	4012		.10	.8	1.0	DEP	1.5X	6	195	10
96	JAN	5	1547	28.37	19	20.04	155	9.24	7.11	29	4	.08	.4	.7	SF3	1.2X	4	93	4
96	JAN	5	1548	29.47	19	24.08	155	16.22	3.29	13	4	.05	.7	.3	SEC	1.2X	3	158	1
96	JAN	5	2044	31.49	19	19.66	155	11.72	7.32	29	5	.11	.4	.8	SF3	1.2X	4	91	6
96	JAN	5	2104	14.18	19	8.88	155	33.07	34.98	43	9	.08	.6	.9	DLS	1.9X	4	132	9
96	JAN	5	2357	8.83	19	27.40	155	14.55	30.43	5414		.11	.6	.7	DEP	2.5X	8	110	4
96	JAN	6	509	45.48	19	17.15	155	30.28	9.37	44	8	.11	.3	.6	LSW	2.2X	7	48	4
96	JAN	6	552	58.86	19	26.54	155	29.08	9.37	24	4	.09	.3	1.2	KAO	1.1X	4	53	8
96	JAN	6	738	44.84	19	30.91	155	21.93	8.57	22	5	.10	.6	.6	MLO	1.6X	3	122	3
96	JAN	6	1147	54.58	19	27.56	155	29.12	9.28	27	8	.15	.4	1.2	KAO	1.3X	5	58	8
96	JAN	6	1428	10.22	19	20.90	155	50.27	9.35	28	6	.22	.5	1.1	KON	1.4X	1	130	10
96	JAN	6	1455	36.96	19	26.18	155	29.68	11.08	17	3	.08	.5	1.2	KAO	1.2X	2	60	8
96	JAN	6	1830	58.10	19	26.13	155	17.43	15.91	4712		.10	.5	.4	DEP	1.9X	9	70	1
96	JAN	6	2325	42.70	19	20.86	155	5.90	7.20	29	6	.09	.5	.7	SF4	1.4X	4	153	5
96	JAN	7	141	2.57	19	13.02	155	28.86	6.09	19	2	.14	.5	1.1	LSW	1.2X	1	93	4
96	JAN	7	452	52.79	19	20.26	155	8.68	8.72	3911		.10	.4	.5	SF4	1.3X	8	104	4
96	JAN	7	1035	48.95	19	21.62	155	6.57	8.83	33	6	.11	.5	.5	SF4	1.4X	4	134	4
96	JAN	7	1616	10.54	19	20.34	155	12.24	8.03	27	7	.05	.4	.6	SF3	1.2X	3	74	4
96	JAN	7	1623	26.47	19	20.66	155	8.28	6.96	24	5	.10	.5	.7	SF4	1.0X	3	111	4
96	JAN	7	1744	52.36	19	15.43	155	30.60	33.36	26	4	.06	.8	1.1	DLS	1.1X	2	110	1
96	JAN	7	1912	0.62	19	45.98	156	3.56	12.74	24	7	.09	1.1	1.1	HUA	1.5X	2	281	42
96	JAN	7	2010	7.07	19	18.50	155	15.13	6.37	27	3	.09	.5	.9	SF1	1.0X	3	135	5
96	JAN	8	38	9.16	19	20.58	155	12.96	7.95	34	7	.10	.4	.6	SF2	1.2X	4	64	4
96	JAN	8	40	7.25	18	57.06	155	34.63	41.88	5211		.09	.8	1.0	DLSF	3.5X	6	240	10
96	JAN	8	336	24.83	19	19.94	155	10.79	7.95	27	5	.06	.5	.8	SF3	1.0X	4	111	4
96	JAN	8	546	12.19	19	18.75	155	47.38	9.54	19	4	.10	.5	1.3	KON	1.0D	1	126	10
96	JAN	8	743	3.70	19	14.29	155	18.39	8.11	29	3	.11	.5	1.1	SWR	1.1X	4	171	7
96	JAN	8	1122	49.99	19	17.53	155	30.69	10.59	25	5	.11	.4	.9	LSW	1.5X	2	74	5
96	JAN	8	1217	59.41	19	26.80	155	22.54	9.39	4411		.11	.3	.7	KAO	1.8X	8	76	6
96	JAN	8	1327	35.92	19	21.74	155	5.18	10.76	15	4	.07	1.3	.5	SF5	1.4X	2	267	5
96	JAN	8	1510	37.17	19	45.85	155	34.57	12.99	14	5	.07	.6	1.3	KEA	1.3X	1	136	12
96	JAN	8	1628	37.64	19	43.48	156	8.75	43.68	25	5	.10	2.1	1.2	HUA	1.8X	2	286	32
96	JAN	9	324	56.54	19	27.18	155	12.16	41.99	19	7	.09	1.7	.9	DEP	1.8X	2	139	6
96	JAN	9	506	59.03	19	27.45	155	28.46	11.30	34	5	.13	.4	1.0	KAO	1.4X	6	55	9
96	JAN	9	645	14.65	19	22.67	155	25.16	10.96	3810		.10	.4	.6	KAO	1.6X	5	92	4
96	JAN	9	1203	16.95	19	25.16	155	19.70	6.68	3410		.11	.3	.8	KAO	1.6X	7	48	3
96	JAN	9	1206	5.42	19	25.06	155	19.87	5.94	32	9	.10	.3	.9	KAO	1.6X	5	82	3
96	JAN	9	1422	47.81	17	2.38	153	53.16	31.34	43	3	.13	3.2	2.7	DIS	3.3X	4	343	282
96	JAN	9	1823	5.55	19	21.89	154	55.44	44.44	31	7	.09	1.5	.7	LER	1.6X	2	293	8
96	JAN	10	332	49.45	19	25.42	155	18.15	10.06	13	3	.07	1.3	.8	INTL	1.6X	2	169	1
96	JAN	10	336	6.57	19	23.90	155	17.15	7.63	11	2	.05	.9	1.0	INTL	1.2X	2	104	1
96	JAN	10	421	39.18	19	22.14	155	4.89	8.75	4812		.10	.4	.3	SF5	2.1X	6	150	5
96	JAN	10	429	36.77	19	15.86	155	27.40	9.59	25	2	.11	.4	.6	LSW	1.3X	2	70	5
96	JAN	10	440	39.97	19	16.35	155	27.62	6.03	28	5	.18	.4	1.3	LSW	1.1X	1	63	5
96	JAN	10	2001	7.50	19	16.46	155	30.06	12.09	25	3	.11	.4	.9	LSW	1.3X	3	62	3
96	JAN	10	2147	51.00	19	11.24	155	19.79	60.80	30		.14	1.7	4.0	DEPT			197	9
96	JAN	11	413	21.62	20	0.32	153	59.97	6.49	2810		.14	10.0	12.8	DIS -	2.0X	1	334	134
96	JAN	11	728	32.81	19	19.31	155	10.28	6.68	30	8	.12	.4	.9	SF3	1.5X	3	102	5
96	JAN	11	1022	59.87	19	12.23	155	42.18	8.60	29		.16	.5	1.4	LSW	1.8X	4	87	9
96	JAN	11	1024	12.97	19	12.54	155	30.56	6.45	27	3	.14	.4	1.0	LSW	1.5X	2	119	5
96	JAN	12	58	3.52	19	22.60	155	14.75	3.13	24	8	.10	.3	.3	SEC	1.5X	5	84	2
96	JAN	12	138	46.43	19	23.03	155	14.97	2.80	21	9	.11	.3	.3	SEC	1.1X	6	112	2
96	JAN	12	353	50.19	19	29.80	155	26.51	10.64	4610		.12	.4	.9	KAO	1.9X	8	80	5
96	JAN	12	1048	56.49	19	32.49	155	54.36	7.04	28	4	.20	.8	.7	KON	1.7X	3	190	6
96	JAN	12	1511	22.26	19	27.76	155	52.33	11.67	21	2	.15	.8	1.0	KON	1.8X	2	122	6
96	JAN	13	218	32.72	19	11.96	155	43.13	6.09	24	2	.13	.6	2.0	KON	1.3X	2	142	7
96	JAN	13	1101	15.36	20	28.33	155	59.53	20.51	41	5	.09	1.4	6.8	DIS	2.4X	7	318	88
96	JAN	13	2001	27.50	19	22.93	155	14.74	3.46	21	9	.08	.3	.3	SEC	1.2X	6	147	2
96	JAN	13	2215	36.81	19	19.21	155	11.58	9.06	5115		.10	.3	.4	SF3	1.6X	9	102	5
96	JAN	13	2332	15.62	19	21.07	155	30.03	9.33	4913		.10	.3	.6	KAO	1.7X	8	42	5
96	JAN	14	14	38.11	19	22.67	155	2.83	7.82	34	3	.15	.6	.5	SF5	1.7X	4	166	9
96	JAN	14	57	55.27	19	9.62	155	31.76	4.76	33		.11	.6	2.1	LSW	1.8X	4	125	7
96	JAN	14	355	1.82	19	12.18	155	41.82	9.79	35	2	.18	.6	.8	LSW	2.1X	4	71	9

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JAN	14	448	43.20	19	25.54	155	19.32	6.84	34	6	.08	.3	.6	KAO	1.6X	5	50	3
96	JAN	14	1904	47.94	19	22.88	155	8.69	3.55	4512		.11	.3	.4	SER	2.2X	8	96	2
96	JAN	14	1931	23.87	19	20.64	155	6.36	8.78	4712		.11	.4	.5	SF4	2.1X	8	147	5
96	JAN	14	2047	22.49	20	15.24	155	43.71	38.78	28	4	.08	1.2	1.6	KOH	1.8X	3	300	44
96	JAN	15	459	6.73	19	20.72	155	6.24	7.99	32	7	.11	.5	.6	SF4	1.3X	4	148	5
96	JAN	15	557	9.84	20	1.44	155	34.05	9.50	29	6	.13	.8	.5	KOH	1.6X	4	184	21
96	JAN	15	2229	28.55	19	22.90	155	15.04	3.41	25	9	.09	.3	.3	SEC	1.7X	6	87	2
96	JAN	16	449	43.35	19	23.88	155	15.76	3.36	3110		.09	.2	.3	SEC	1.8X	6	65	1
96	JAN	16	521	8.50	19	17.16	155	26.85	9.16	34	4	.10	.3	.8	LSW	1.5X	4	52	7
96	JAN	16	937	27.03	19	22.63	155	27.34	10.28	6020		.12	.3	.6	KAO	2.0X	11	37	1
96	JAN	16	1136	59.47	19	24.35	155	25.53	12.23	39	7	.10	.4	.8	KAO	1.7X	7	46	9
96	JAN	17	1217	27.71	19	21.40	155	19.71	29.19	4411		.10	.6	.8	DEP	1.9X	6	48	4
96	JAN	17	1343	22.92	19	20.74	155	11.31	8.33	4510		.11	.3	.4	SF3	1.6X	9	73	4
96	JAN	17	1359	6.79	19	19.87	155	8.13	9.08	4712		.10	.4	.3	SF4	2.1X	8	117	5
96	JAN	17	1719	20.86	19	57.97	155	31.28	42.40	5011		.09	.8	.9	KEA	2.4X	7	246	20
96	JAN	17	1820	33.52	19	19.47	155	11.75	6.43	35	9	.11	.4	.8	SF3	1.6X	3	94	5
96	JAN	17	1956	39.53	19	26.80	155	2.83	43.31	4610		.12	.7	.8	DEP	2.0X	8	110	8
96	JAN	17	2228	58.38	19	20.51	155	6.52	8.08	42	8	.12	.6	.4	SF4	1.6X	5	146	6
96	JAN	18	258	54.66	19	20.75	155	11.38	9.60	4110		.10	.4	.4	SF3	1.6X	6	106	4
96	JAN	18	1015	37.47	20	47.28	155	2.16	6.25	23	4	.10	8.4	10.9	DIS -	2.0X	1	332	104
96	JAN	18	1054	12.85	19	20.46	155	10.13	7.96	5516		.14	.4	.5	SF3	2.3X	8	92	3
96	JAN	18	1235	4.23	19	20.35	155	19.55	2.77	22	3	.09	.4	.8	SWR	1.3X	3	57	4
96	JAN	18	1310	38.26	19	32.80	156	26.70	4.98	40	5	.14	4.1	4.9	DIS #	2.5X	4	300	65
96	JAN	20	13	56.21	19	19.30	155	13.92	8.19	30	3	.10	.5	.9	SF2	1.3X	4	135	6
96	JAN	20	510	43.25	19	19.87	155	12.71	9.77	33	5	.10	.5	.6	SF2	1.5X	5	133	5
96	JAN	20	553	44.51	19	20.13	155	11.69	9.23	40	8	.12	.4	.5	SF3	1.9X	6	116	5
96	JAN	20	1235	38.51	19	20.31	155	4.27	0.87	3810		.13	.5	.3	SSF	1.6X	6	183	8
96	JAN	20	2136	6.06	19	12.69	155	38.26	10.39	44	8	.15	.4	.6	LSW	1.9X	6	80	5
96	JAN	20	2300	22.73	19	20.91	155	7.76	8.60	5718		.14	.3	.3	SF4F	3.2X	4	120	4
96	JAN	20	2309	22.07	19	22.26	155	30.03	10.16	19	1	.06	.5	1.1	KAO	1.5X	2	121	4
96	JAN	21	128	24.07	19	11.76	155	28.50	6.52	34	4	.13	.4	.8	LSW	1.7X	2	97	4
96	JAN	21	220	33.08	19	24.89	155	38.14	2.88	32	7	.14	.3	.4	MLO	1.8X	5	100	1
96	JAN	21	510	40.92	20	1.67	155	32.92	41.89	38	7	.08	1.1	.9	KEA	2.1X	4	266	22
96	JAN	21	1004	37.81	19	2.21	155	19.54	38.10	42	9	.10	.9	1.3	LOI	1.8X	5	221	20
96	JAN	21	1038	48.73	19	25.75	155	24.78	10.67	33	2	.11	.4	1.3	KAO	1.6X	5	45	8
96	JAN	21	1109	1.74	19	50.83	155	31.37	20.71	5518		.10	.6	1.3	KEAF	4.4D	1	193	10
96	JAN	21	1116	39.75	19	50.98	155	31.55	21.00	26	5	.09	.6	1.3	KEA	1.7X	2	161	10
96	JAN	21	1120	41.64	19	50.56	155	31.47	20.58	36	7	.09	.8	1.1	KEA	1.8X	4	191	10
96	JAN	21	1122	34.95	19	51.28	155	31.99	20.42	21	7	.08	.7	1.3	KEA	1.7X	2	197	11
96	JAN	21	1123	23.67	19	52.31	155	32.17	25.85	29	5	.12	.9	1.4	KEA	1.8X	3	206	13
96	JAN	21	1124	18.90	19	50.85	155	31.59	21.09	24	4	.09	1.0	1.3	KEA	1.8X	2	194	10
96	JAN	21	1128	56.63	19	20.57	155	29.35	3.07	15	3	.12	.4	1.0	KAO	1.2X	1	63	5
96	JAN	21	1133	9.27	19	51.16	155	31.91	19.56	41	5	.10	.6	1.4	KEA	2.0X	6	118	11
96	JAN	21	1135	45.97	19	50.68	155	31.91	20.88	37	6	.10	.8	1.7	KEA	1.9X	5	193	10
96	JAN	21	1140	55.24	19	50.86	155	32.05	20.49	4911		.10	.7	1.3	KEA	2.5X	8	195	11

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JAN	21	1147	14.91	19	50.56	155	31.77	21.12	41	8	.11	.8	1.1	KEA	2.1X	6	192	10
96	JAN	21	1147	59.25	19	50.80	155	31.77	21.03	20	2	.07	.8	1.3	KEA	1.6X	2	159	10
96	JAN	21	1150	25.97	19	49.71	155	31.31	19.40	25	4	.11	.6	1.8	KEA	1.4X	3	109	9
96	JAN	21	1305	45.36	19	51.09	155	31.80	23.94	32	7	.10	.9	1.1	KEA	1.6X	3	196	11
96	JAN	21	1323	42.13	19	51.11	155	31.81	20.40	39	8	.10	.9	1.4	KEA	2.0X	5	196	11
96	JAN	21	1331	0.42	19	49.63	155	31.00	19.09	37	5	.11	.6	1.5	KEA	1.8X	5	108	8
96	JAN	21	1513	23.78	19	22.90	155	14.86	3.01	22	9	.09	.3	.3	SEC	1.3X	6	131	2
96	JAN	21	1532	22.65	19	20.15	155	2.38	4.48	10	1	.11	1.1	11.9	SSF -	1.5D	1	209	11
96	JAN	21	1556	6.98	19	19.62	155	11.92	8.11	36	3	.09	.5	.7	SF3	1.5X	5	116	6
96	JAN	21	1558	46.87	19	50.27	155	31.66	16.43	5719		.11	.6	2.3	KEAF	3.1X	4	189	10
96	JAN	21	1605	44.28	19	50.55	155	31.30	18.54	47	8	.11	.7	1.5	KEA	2.3X	6	114	10
96	JAN	21	2112	9.31	19	53.32	155	30.01	17.75	26	5	.11	.6	1.3	KEA	1.3X	2	189	13
96	JAN	22	135	53.74	18	57.15	155	34.66	41.79	44	9	.09	1.1	.9	DLS	2.1X	4	245	10
96	JAN	22	621	20.73	19	14.17	155	8.12	40.94	42	8	.11	1.3	.8	DEP	1.6X	3	232	6
96	JAN	22	1302	17.43	19	50.91	155	32.04	21.72	26	3	.08	.7	1.6	KEA	1.7X	2	161	11
96	JAN	22	1753	31.06	18	2.18	154	53.00	2.37	36		.14	15.0	16.7	DIS -	2.7X	2	325	133
96	JAN	22	1942	45.66	19	25.36	155	18.91	6.09	15	2	.10	.5	1.0	INT	1.4X	2	82	3
96	JAN	22	2138	54.14	19	21.61	155	3.41	7.35	4811		.11	.5	.5	SF5	2.3X	6	175	8
96	JAN	22	2139	30.97	19	20.71	155	3.02	6.78	32	4	.11	.6	.8	SF5	2.0X	3	193	9
96	JAN	23	242	1.65	19	20.23	155	6.81	7.15	34	5	.10	.5	.7	SF4	1.4X	4	144	6
96	JAN	23	559	29.58	19	50.80	155	31.59	20.39	26	6	.10	1.0	1.3	KEA	1.6X	2	193	10
96	JAN	23	603	4.74	19	12.01	155	42.80	8.01	3410		.15	.5	1.5	LSW	2.0X	3	128	8
96	JAN	23	1402	3.57	19	47.83	155	32.34	21.78	39	6	.09	.7	1.2	KEA	1.8X	5	97	9
96	JAN	24	237	22.78	19	22.52	155	22.35	37.01	4610		.11	.6	1.0	DML	1.7X	7	49	5
96	JAN	24	337	8.68	19	51.13	155	31.08	20.44	40	7	.09	.6	1.1	KEA	1.7X	4	163	10
96	JAN	24	413	15.22	19	23.85	155	15.04	27.79	5214		.11	.5	.7	DEP	1.9X	9	104	3
96	JAN	24	903	0.22	19	19.61	155	11.27	6.06	27	6	.11	.4	1.0	SF3	1.4X	3	94	5
96	JAN	24	2258	37.11	19	46.05	156	8.80	34.08	45	7	.10	1.2	1.6	HUA	2.1X	6	286	33
96	JAN	24	2351	46.38	19	19.95	155	7.67	3.62	26	5	.11	.8	1.3	SSF	1.3X	2	186	5
96	JAN	25	522	36.06	19	19.20	155	25.97	9.39	42	5	.13	.4	.8	KAO	1.6X	5	59	5
96	JAN	25	916	4.53	19	29.65	154	53.05	1.79	22	5	.11	2.7	1.7	SLE	1.5X	2	292	28
96	JAN	26	538	38.08	19	27.23	154	50.57	18.41	16	3	.10	1.8	9.7	LER	1.6X	2	325	35
96	JAN	26	621	34.29	19	8.58	155	9.47	44.48	38	8	.10	1.4	.8	LOI	2.0X	3	243	16
96	JAN	26	1321	57.48	19	2.06	155	19.34	37.10	38	6	.09	1.0	1.1	LOI	1.9X	5	251	20
96	JAN	26	1354	1.09	19	2.75	155	19.84	36.70	4914		.10	.8	1.0	LOI	2.3X	8	248	19
96	JAN	27	534	51.45	18	59.23	155	27.86	40.89	32	3	.09	1.8	1.1	DLS	2.0X	3	231	19
96	JAN	27	1301	25.31	19	20.13	155	10.65	8.99	4714		.14	.4	.5	SF3	2.1X	9	101	4
96	JAN	27	1357	13.43	19	21.88	155	24.36	10.49	28	5	.08	.4	.8	SWR	1.2X	4	30	4
96	JAN	27	1944	45.92	19	41.49	156	12.76	39.07	32	8	.11	1.1	1.7	HUA	1.8X	3	291	38
96	JAN	27	2247	52.07	19	19.26	155	11.04	8.36	24	6	.07	.4	.8	SF3	1.4X	3	103	6
96	JAN	28	27	51.39	19	51.19	155	36.35	26.37	43	6	.10	.8	1.3	KEA	2.0X	6	111	17
96	JAN	28	808	13.48	19	5.97	155	29.12	30.29	5214		.09	.6	1.1	DLS	2.3X	7	176	7
96	JAN	28	1019	21.94	19	26.78	154	46.24	12.24	36	5	.12	1.3	.7	LER	2.1X	3	289	38
96	JAN	28	1739	53.17	19	20.17	155	10.75	8.84	34	7	.14	.5	.8	SF3	1.4X	3	93	4
96	JAN	29	0	22.69	19	29.12	155	27.36	7.32	41	7	.11	.3	.9	KAO	1.6X	6	66	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JAN	29	52	54.58	19	30.03	155	43.49	8.08	40	7	.12	.4	.8	KON	1.7X	6	80	4
96	JAN	29	210	18.47	19	19.62	155	12.31	6.99	28	4	.09	.4	.8	SF2	1.2X	4	85	5
96	JAN	29	1133	0.85	18	58.12	155	34.60	41.29	33	1	.08	1.4	2.0	DLS	2.0X	3	233	9
96	JAN	29	2212	0.24	19	21.00	155	13.21	9.96	38	7	.12	.4	.5	SF2	1.5X	4	112	3
96	JAN	30	118	53.43	19	58.03	155	21.51	10.67	29	7	.15	.9	.5	KEA	1.5X	3	279	9
96	JAN	30	954	56.37	19	20.36	155	7.90	6.29	28	2	.09	.7	1.0	SF4	1.3X	3	177	5
96	JAN	30	1318	30.56	19	21.92	155	5.70	8.25	30	5	.12	1.0	.5	SF4	1.6X	4	230	4
96	JAN	30	1801	58.37	19	20.33	155	2.60	4.65	7	1	.04	3.0	11.9	SSFB-	2.7D	1	298	10
96	JAN	30	1815	28.99	19	19.73	155	4.79	0.02	10		.24	7.3	4.2	SSFB#	2.4D	1	269	7
96	JAN	30	1832	13.17	19	19.67	155	3.11	4.36	13	2	.10	3.4	12.4	SSFB-	1.1D	1	294	10
96	JAN	30	1839	41.21	19	21.74	155	2.86	4.09	10	2	.15	6.1	14.4	SSFE-	3.3D	1	299	9
96	JAN	31	335	13.27	19	29.80	154	49.69	7.46	29	9	.11	1.4	.9	LER	1.8X	3	321	34
96	JAN	31	747	35.01	19	24.74	155	38.12	2.90	37	6	.12	.3	.4	MLO	2.5X	5	100	1
96	JAN	31	807	57.10	19	41.63	156	13.13	28.47	42	6	.11	1.4	2.0	HUA	2.3X	5	289	39
96	FEB	1	119	41.48	19	23.99	155	16.93	6.99	11	4	.10	1.6	.9	INTL	1.7X	1	168	1
96	FEB	1	315	1.53	18	57.17	155	34.47	41.68	39	7	.09	1.2	.9	DLS	2.2X	3	244	10
96	FEB	1	617	20.89	19	50.55	155	32.06	20.71	29	5	.09	1.0	1.4	KEA	1.6X	3	221	10
96	FEB	1	838	1.46	19	25.14	155	15.03	0.77	12	4	.08	.4	.7	SNCL	1.7X	2	227	3
96	FEB	1	841	26.75	19	24.05	155	15.27	2.45	18	4	.10	.4	.5	SECL	1.7X	2	130	2
96	FEB	1	843	59.99	19	22.62	155	16.65	2.03	14	4	.10	.5	.4	SSCL	1.7X	3	106	1
96	FEB	1	844	18.87	19	24.34	155	14.59	0.25	13	4	.07	.4	.6	SECL	1.9X	4	242	4
96	FEB	1	845	7.19	19	23.26	155	17.20	1.83	15	4	.13	.4	.3	SSCL	1.9X	2	71	1
96	FEB	1	853	42.12	19	23.97	155	16.84	3.16	18	7	.11	.5	.3	SSC	1.8X	5	115	0
96	FEB	1	854	4.46	19	23.70	155	15.19	2.63	16	5	.08	.3	.5	SEC	1.4X	4	126	3
96	FEB	1	855	21.17	19	24.91	155	16.14	0.98	26	9	.12	.2	.3	SNC	2.3X	2	111	2
96	FEB	1	859	39.51	19	24.13	155	15.21	3.51	9	3	.04	.7	.9	SEC	1.4X	2	192	2
96	FEB	1	906	32.40	19	23.40	155	15.02	3.60	33	10	.12	.3	.3	SEC	2.1X	5	109	2
96	FEB	1	920	13.23	19	24.92	155	16.45	1.78	12	3	.10	.5	.3	SNC	1.6X	3	129	1
96	FEB	1	929	44.32	19	24.45	155	17.24	1.66	11	4	.06	.3	.3	SSC	1.2X	3	88	1
96	FEB	1	940	58.91	19	25.04	155	15.22	0.91	6	1	.09	1.0	1.9	SNC	.8X	1	275	3
96	FEB	1	941	16.47	19	23.33	155	18.23	1.87	8	3	.05	.6	1.0	SSC	.9X	2	264	2
96	FEB	1	941	45.13	19	23.45	155	18.33	1.29	8	3	.11	.7	1.3	SSC	1.0X	2	265	2
96	FEB	1	942	26.28	19	23.55	155	16.87	2.82	47	13	.11	.2	.2	SSC	2.5X	4	54	0
96	FEB	1	948	35.72	19	23.89	155	15.52	2.78	11	5	.05	.8	1.6	SEC	1.3X	4	170	2
96	FEB	1	952	49.75	19	23.00	155	14.64	3.20	19	6	.08	.3	.3	SEC	1.9X	4	136	2
96	FEB	1	1003	1.17	19	26.59	155	15.45	5.03	5	1	.00	3.2	3.3	INT	1.6X	2	323	4
96	FEB	1	1005	52.43	19	23.54	155	15.12	3.33	13	6	.06	.4	.6	SEC	1.2X	3	166	3
96	FEB	1	1013	45.67	19	23.20	155	13.84	0.88	11	3	.11	.5	.8	SER	1.5X	3	164	4
96	FEB	1	1015	47.09	19	23.37	155	14.81	2.77	7	2	.03	.8	.5	SEC	1.3X	2	157	3
96	FEB	1	1020	35.77	19	25.18	155	15.39	1.16	15	7	.06	.3	.5	SNC	1.7X	5	215	3
96	FEB	1	1022	25.22	19	23.74	155	15.66	3.17	18	6	.08	.4	.3	SEC	1.5X	3	140	2
96	FEB	1	1032	0.82	19	22.80	155	15.00	3.14	19	8	.11	.4	.4	SEC	1.7X	4	115	2
96	FEB	1	1047	30.01	19	21.93	155	12.70	2.94	42	11	.12	.3	.2	SER	2.6X	5	95	1
96	FEB	1	1054	12.85	19	24.78	155	16.32	1.79	10	4	.06	.6	.3	SNC	1.3X	3	188	1
96	FEB	1	1057	45.83	19	23.35	155	15.39	3.09	18	5	.08	.3	.4	SEC	1.7X	3	134	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	1	1058	53.99	19	23.82	155	14.98	3.28	25	4	.10	.3	.4	SEC	2.2X	4	116	3
96	FEB	1	1059	35.20	19	23.26	155	14.71	4.31	28	9	.09	.4	.4	SEC	2.0X	5	111	3
96	FEB	1	1100	37.72	19	23.10	155	15.32	3.46	22	7	.11	.3	.3	SEC	1.9X	3	129	2
96	FEB	1	1102	15.10	19	24.70	155	15.67	0.58	24	7	.13	.2	.4	SNC	2.1X	4	117	2
96	FEB	1	1104	18.14	19	23.23	155	15.18	3.50	25	10	.08	.3	.3	SEC	2.0X	5	106	2
96	FEB	1	1106	39.90	19	23.50	155	14.80	3.83	27	7	.09	.3	.3	SEC	2.1X	5	113	3
96	FEB	1	1107	1.10	19	23.05	155	14.85	3.96	45	12	.12	.3	.3	SEC	2.3X	4	49	2
96	FEB	1	1114	27.68	19	23.18	155	15.12	3.54	28	6	.09	.3	.3	SEC	1.9X	4	133	2
96	FEB	1	1115	12.32	19	23.35	155	15.17	3.86	33	10	.13	.3	.4	SEC	2.2X	6	107	2
96	FEB	1	1121	19.16	19	23.55	155	17.00	3.18	32	11	.10	.3	.2	SSC	2.1X	5	45	0
96	FEB	1	1123	55.66	19	24.06	155	17.58	5.19	14	4	.08	.5	.6	INT	1.5X	2	100	2
96	FEB	1	1127	58.36	19	23.05	155	16.79	3.14	9	3	.07	.4	.4	SSC	1.3X	1	157	1
96	FEB	1	1130	33.51	19	23.71	155	16.82	3.48	22	7	.07	.4	.3	SSC	2.0X	4	55	1
96	FEB	1	1133	33.23	19	23.10	155	14.84	3.09	11	3	.10	.4	.5	SEC	1.3X	2	150	2
96	FEB	1	1135	12.14	19	25.43	155	13.99	1.21	8	4	.03	1.0	1.2	SNC	1.6X	2	329	5
96	FEB	1	1150	21.03	19	24.35	155	16.09	1.62	20	7	.11	.3	.3	SEC	2.0X	3	120	1
96	FEB	1	1152	23.28	19	24.51	155	15.90	2.70	13	5	.07	.5	.6	SEC	1.8X	3	137	2
96	FEB	1	1154	0.58	19	23.00	155	17.31	2.68	16	7	.09	.5	.3	SSC	1.8X	4	110	1
96	FEB	1	1201	5.26	19	24.27	155	16.20	1.85	12	4	.10	.4	.3	SEC	1.7X	2	126	1
96	FEB	1	1203	42.19	19	23.65	155	16.80	3.36	17	4	.07	.3	.3	SSC	1.2X	3	66	1
96	FEB	1	1205	29.98	19	23.84	155	16.31	2.91	11	4	.09	.6	.5	SEC	1.1X	2	142	1
96	FEB	1	1207	36.29	19	24.43	155	16.39	2.15	18	5	.11	.3	.2	SEC	2.2X	4	114	1
96	FEB	1	1211	35.30	19	23.13	155	15.20	3.17	14	5	.09	.3	.4	SEC	1.1X	3	145	2
96	FEB	1	1220	0.13	19	23.26	155	14.97	3.32	14	5	.09	.4	.4	SEC	1.2X	3	152	2
96	FEB	1	1239	42.66	19	22.77	155	14.88	2.75	18	6	.08	.3	.3	SEC	1.4X	4	128	2
96	FEB	1	1302	50.26	19	23.17	155	14.98	3.13	24	9	.11	.3	.4	SEC	1.3X	5	66	2
96	FEB	1	1317	14.04	19	23.96	155	16.76	3.58	16	5	.11	.6	.4	SSC	1.3X	4	85	0
96	FEB	1	1317	32.96	19	18.57	155	12.91	10.22	34	7	.10	.4	.7	SF2	1.4X	7	134	7
96	FEB	1	1320	20.17	19	17.87	155	13.62	0.49	53	20	.14	.4	.2	SSF	2.7X	8	144	8
96	FEB	1	1323	43.70	19	17.91	155	12.81	4.53	23	4	.08	.3	.9	SSF	1.6X	4	120	2
96	FEB	1	1350	39.39	19	23.30	155	14.70	2.88	10	2	.07	.4	.8	SEC	.8X	2	105	3
96	FEB	1	1351	25.84	19	23.61	155	14.94	3.53	13	3	.10	.5	.7	SEC	1.1X	3	93	2
96	FEB	1	1429	47.01	19	24.70	155	15.89	0.54	9	4	.11	.3	.7	SNC	.7X	3	156	2
96	FEB	1	1430	53.22	19	23.12	155	14.82	4.33	10	2	.13	.8	.8	SEC	1.3X	2	114	2
96	FEB	1	1444	26.75	19	23.03	155	14.62	3.04	14	2	.07	.4	.5	SEC	1.4X	2	92	3
96	FEB	1	1448	56.69	19	24.54	155	15.00	15.61	13	2	.08	1.4	1.4	DEPL	1.6X	2	125	1
96	FEB	1	1454	47.22	19	19.71	155	13.44	8.97	48	9	.13	.4	.5	SF2	2.4X	7	120	5
96	FEB	1	1456	35.76	19	24.22	155	15.99	4.09	9	4	.06	.6	1.4	SEC	.8X	2	127	1
96	FEB	1	1458	11.39	19	24.04	155	15.87	3.51	27	10	.09	.3	.3	SEC	2.1X	5	77	1
96	FEB	1	1511	2.55	19	23.18	155	14.81	2.63	11	3	.05	.3	.7	SEC	.9X	2	111	2
96	FEB	1	1514	24.80	19	20.80	155	12.96	8.47	16	4	.05	.5	1.3	SF2	1.1X	2	70	3
96	FEB	1	1542	21.62	19	23.51	155	15.08	2.95	10	2	.05	.4	.7	SEC	1.2X	2	98	3
96	FEB	1	1542	32.35	19	23.44	155	15.06	2.48	13	4	.05	.3	.5	SEC	1.1X	2	101	2
96	FEB	1	1557	51.68	19	22.76	155	14.36	3.89	19	7	.07	.3	.4	SEC	1.3X	4	96	2
96	FEB	1	1607	47.28	19	22.91	155	14.72	3.88	26	10	.10	.3	.4	SEC	1.6X	5	75	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	1	1616	27.65	19	24.81	155	16.98	2.93	9	4	.06	.7	.5	SNCL	1.4X	2	158	0
96	FEB	1	1627	25.86	19	23.66	155	15.11	2.42	10	2	.04	.3	.6	SEC	1.0X	2	93	2
96	FEB	1	1631	48.76	19	18.38	155	15.41	8.96	16	2	.05	.5	1.1	SF1	.8X	2	137	4
96	FEB	1	1641	8.30	19	23.03	155	17.11	4.67	14	3	.09	.5	.7	SSC	1.2X	3	68	1
96	FEB	1	1655	16.42	19	25.20	155	15.58	11.23	10	2	.12	1.7	.9	INTL	1.6X	2	196	2
96	FEB	1	1709	20.08	19	24.78	155	15.79	0.89	7	2	.08	.4	.9	SNCL	.8X	2	164	2
96	FEB	1	1728	31.90	19	24.40	155	15.54	8.82	12	2	.16	1.7	1.0	INTL	1.4X	2	132	2
96	FEB	1	1740	21.02	19	23.71	155	15.07	2.66	10	4	.04	.3	.9	SEC	.7X	1	92	2
96	FEB	1	1757	32.21	19	23.65	155	15.26	2.44	10	3	.08	.4	.6	SECL	.5X	2	92	2
96	FEB	1	1813	7.40	19	23.41	155	15.28	5.79	11	3	.06	.7	1.2	INT	1.1X	2	176	2
96	FEB	1	1840	44.74	19	24.94	155	15.79	9.33	9	2	.10	1.7	1.3	INTL	1.2X	2	174	2
96	FEB	1	1902	26.26	19	23.89	155	16.67	1.51	9	1	.12	.4	.3	SSCL	1.0X	2	87	0
96	FEB	1	1918	22.30	19	23.04	155	15.01	3.12	22	8	.11	.3	.4	SEC	1.1X	5	66	2
96	FEB	1	1930	6.28	19	24.78	155	14.35	3.13	10	4	.07	.7	.7	SNCL	1.3X	3	246	0
96	FEB	1	1934	56.69	19	23.05	155	15.88	10.22	9	3	.13	2.0	1.2	INTL	1.3X	3	140	1
96	FEB	1	1942	6.11	19	30.24	155	26.92	6.48	27	6	.12	.4	1.0	MLO	1.4X	4	116	4
96	FEB	1	1958	42.14	19	25.17	155	16.11	0.00	7	3	.17	.4	1.2	SNCL#	1.1X	2	186	2
96	FEB	1	2111	45.41	19	23.95	155	15.74	15.32	10	3	.15	2.4	1.0	DEPL	1.7X	2	125	2
96	FEB	1	2117	26.37	19	21.16	155	14.71	11.57	17	3	.06	.6	1.0	SF1	1.2X	1	86	3
96	FEB	1	2118	38.07	19	23.52	155	17.00	5.41	10	4	.08	1.1	1.4	INTL	1.7X	1	186	0
96	FEB	1	2124	28.10	19	23.07	155	14.77	1.86	10	2	.08	.3	.6	SEC	.7X	1	116	2
96	FEB	1	2124	58.81	19	23.08	155	16.14	9.09	8	2	.13	1.4	2.2	INT			120	1
96	FEB	1	2130	29.80	19	23.49	155	15.02	2.88	13	4	.04	.3	.5	SECL	.8X	4	99	3
96	FEB	1	2137	26.08	19	25.88	155	15.51	12.57	13	4	.09	1.3	.8	INTL	1.5X	3	167	3
96	FEB	1	2138	33.65	19	23.18	155	15.09	2.98	19	7	.10	.3	.4	SEC	1.6X	4	77	2
96	FEB	1	2147	54.40	19	23.82	155	17.57	8.49	10	2	.07	.9	1.4	INTL	1.6X	2	90	2
96	FEB	1	2201	42.43	19	24.41	155	16.82	8.73	11	2	.03	1.0	1.3	INTL	1.4X	3	81	1
96	FEB	1	2202	1.09	19	25.64	155	14.72	14.58	10	2	.09	2.2	.9	DEPL	1.8X	2	229	2
96	FEB	1	2210	13.26	19	24.48	155	16.81	11.81	15	3	.12	1.0	1.2	INTL	1.6X	2	83	1
96	FEB	1	2228	9.59	19	24.99	155	15.14	7.05	14	3	.06	1.2	1.0	INTL	1.4X	2	223	3
96	FEB	1	2228	51.09	19	24.54	155	14.43	9.99	18	4	.13	.9	.8	INTL	1.8X	2	93	0
96	FEB	1	2259	41.47	19	24.45	155	16.87	10.90	12	3	.10	1.0	1.4	INTL	1.5X	2	99	1
96	FEB	1	2309	51.02	19	25.11	155	17.48	12.41	13	3	.09	1.4	.8	INTL	1.6X	2	83	1
96	FEB	1	2328	56.78	19	24.30	155	16.63	8.08	9	3	.09	1.4	1.6	INTL	1.5X	1	110	1
96	FEB	1	2334	33.40	19	23.60	155	15.07	3.13	14	5	.08	.4	.6	SEC	1.0X	3	96	2
96	FEB	1	2339	39.33	19	20.95	155	14.93	11.77	12	2	.09	.9	1.6	SF1	1.0X	1	152	3
96	FEB	1	2341	16.72	19	24.05	155	16.82	8.11	15	4	.10	.7	.9	INTL	1.6X	2	73	0
96	FEB	1	2349	19.19	19	26.14	155	16.10	6.00	11	2	.08	.7	.9	INTL	1.5X	3	148	3
96	FEB	1	2354	56.90	19	27.21	155	14.49	8.38	15	4	.08	1.6	1.0	INTL	1.6X	2	249	5
96	FEB	1	2357	20.33	19	23.46	155	14.83	3.56	11	3	.06	.4	.7	SEC	.9X	2	99	2
96	FEB	2	4	55.58	19	24.04	155	16.79	11.25	12	3	.07	.9	1.1	INTL	1.8X	3	73	0
96	FEB	2	5	27.64	19	24.86	155	15.87	12.86	11	3	.08	1.4	.8	INTL	1.5X	2	155	2
96	FEB	2	35	50.99	19	22.76	155	16.82	4.61	11	3	.09	.5	.8	SSCL	1.4X	3	97	1
96	FEB	2	41	29.66	19	25.57	155	16.13	14.18	11	3	.11	2.4	1.1	DEPL	2.0X	2	130	2
96	FEB	2	44	46.15	19	20.65	155	11.04	9.03	25	6	.07	.4	.6	SF3	1.2X	5	88	3

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	2	56	54.39	19	26.46	155	15.53	8.47	11	4	.12	2.3	.8	INTL	1.9X	2	265	4
96	FEB	2	101	12.07	19	24.66	155	16.51	3.86	10	4	.08	.8	1.0	SNCL	1.4X	2	143	1
96	FEB	2	114	18.92	19	25.52	155	16.35	0.77	10	4	.09	.3	.6	SNC	.6X	2	208	2
96	FEB	2	115	6.90	19	27.02	155	18.41	13.89	13	4	.12	1.9	.9	DEPL	1.4X	3	224	3
96	FEB	2	115	31.40	19	25.10	155	16.03	10.74	11	3	.15	1.9	1.0	INTL	1.8X	2	164	2
96	FEB	2	126	38.90	19	24.48	155	16.30	8.57	13	2	.07	.7	1.0	INTL	1.4X	3	89	1
96	FEB	2	143	51.80	19	24.99	155	15.67	8.84	23	4	.10	.6	.5	INTL	2.0X	5	121	2
96	FEB	2	151	9.69	19	23.99	155	15.98	3.44	18	7	.09	.3	.4	SEC	1.0X	4	112	1
96	FEB	2	156	0.08	19	22.94	155	17.45	0.64	6	2	.07	.3	1.0	SSCL	1.2X	1	113	3
96	FEB	2	206	10.51	19	23.56	155	16.26	9.00	21	4	.11	.5	.7	INTL	1.6X	4	63	1
96	FEB	2	207	17.50	19	23.97	155	13.61	3.69	26	1	.15	.4	.5	SER	1.1X	2	87	2
96	FEB	2	211	41.07	19	24.08	155	17.69	12.81	18	4	.13	1.0	1.2	INTL	1.9X	3	62	2
96	FEB	2	245	33.42	19	25.79	155	15.01	6.99	18	3	.09	.8	.9	INTL	1.5X	4	165	2
96	FEB	2	255	28.28	19	23.06	155	17.10	2.40	9	2	.06	.6	.5	SSC	.6X	2	166	1
96	FEB	2	323	49.58	19	22.93	155	15.13	11.95	19	3	.16	1.0	1.4	INTL	1.7X	4	115	2
96	FEB	2	324	10.47	19	25.90	155	15.03	13.68	20	5	.12	1.2	.9	DEPL	2.3X	6	166	3
96	FEB	2	340	8.57	19	24.00	155	17.88	11.66	13	2	.14	1.1	1.8	INTL	1.4X	2	61	2
96	FEB	2	343	43.91	19	23.02	155	15.73	7.27	12	4	.09	.8	.9	INTL	1.6X	2	157	1
96	FEB	2	350	16.64	19	23.55	155	17.60	6.64	25	6	.11	.4	.7	INTL	2.0X	5	49	1
96	FEB	2	414	2.41	19	27.36	155	16.01	15.20	11	3	.10	2.2	1.1	DEPL	2.1X	4	234	1
96	FEB	2	445	26.23	19	22.86	155	13.16	14.63	10	2	.12	3.9	1.6	DEPL	2.2X	2	267	4
96	FEB	2	456	29.46	19	25.08	155	12.71	11.84	9	2	.09	2.7	2.0	SF2L	1.8X	2	276	7
96	FEB	2	525	35.19	19	23.07	155	16.63	4.31	16		.09	.3	.5	SSCL	2.0X	4	60	1
96	FEB	2	539	25.51	19	25.03	155	15.23	10.85	15	3	.13	.9	1.4	INTL	1.9X	3	138	2
96	FEB	2	541	48.49	19	22.94	155	14.80	3.24	22	8	.09	.3	.3	SEC	1.5X	5	86	2
96	FEB	2	543	18.85	19	20.30	155	13.41	7.09	19	3	.07	.4	.9	SF2	1.0X	2	63	4
96	FEB	2	547	55.41	19	25.87	155	16.71	12.04	17	4	.09	.9	.7	INTL	2.2X	4	117	2
96	FEB	2	555	18.21	19	23.08	155	16.01	11.41	13	4	.11	1.0	1.6	INTL	1.7X	2	127	1
96	FEB	2	601	48.04	19	22.74	155	16.14	5.51	11	2	.06	.9	1.0	INTL	1.7X	2	105	1
96	FEB	2	616	29.98	19	24.28	155	16.19	8.37	13	2	.11	.8	1.3	INTL	1.6X	2	94	1
96	FEB	2	618	48.38	19	22.64	155	14.11	2.99	16	4	.06	.4	.6	SEC	1.3X	4	103	3
96	FEB	2	624	15.36	19	1.84	155	15.40	50.34	6220		.09	.6	.8	LOI	2.6X	8	239	26
96	FEB	2	628	36.11	19	22.79	155	15.57	10.57	15	4	.04	1.0	1.2	INTL	2.1X	2	181	1
96	FEB	2	642	0.87	19	24.23	155	12.21	5.73	8	3	.05	1.2	3.9	SF3L	1.9X	2	281	7
96	FEB	2	651	15.77	19	24.38	155	15.89	0.25	18	4	.13	.2	.4	SECL	1.8X	3	90	2
96	FEB	2	653	9.07	19	24.01	155	17.71	11.10	12	5	.10	2.2	.7	INTL	2.1X	2	189	2
96	FEB	2	710	7.77	19	26.49	155	16.19	11.63	12	3	.13	1.1	1.3	INTL	1.7X	2	154	3
96	FEB	2	710	44.69	19	24.03	155	15.47	14.35	12	3	.13	1.8	1.0	DEPL	2.2X	1	136	2
96	FEB	2	729	0.38	19	25.11	155	15.38	8.60	16	4	.13	.8	.8	INTL	1.6X	3	137	2
96	FEB	2	745	21.06	19	25.67	155	15.05	8.76	21	4	.10	.9	.8	INTL	1.7X	4	181	2
96	FEB	2	747	14.27	19	25.93	155	15.07	8.71	17	4	.07	.7	.7	INTL	1.5X	3	189	3
96	FEB	2	820	38.79	19	25.25	155	16.70	10.47	11	2	.07	.8	1.2	INTL	1.4X	2	104	2
96	FEB	2	835	58.44	19	26.71	155	15.34	8.04	18	4	.10	.8	.8	INTL	1.6X	3	180	3
96	FEB	2	858	48.52	19	25.05	155	16.34	6.41	11	2	.15	1.1	.9	INTL	1.3X	2	107	1
96	FEB	2	922	46.51	19	23.48	155	14.57	10.01	17	4	.07	.8	.7	INTL	1.8X	3	205	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	W	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	2	1032	51.33	19	23.82	155	17.53	6.56	9	2	.11	.9	1.5	INTL	1.7X	2	135	2
96	FEB	2	1130	18.28	19	24.43	155	15.73	9.97	18	4	.12	.8	.9	INTL	1.8X	4	93	2
96	FEB	2	1316	23.71	19	24.88	155	16.57	13.32	11	2	.08	1.2	1.4	DEPL	1.4X	2	97	1
96	FEB	2	1316	40.44	19	25.00	155	16.70	2.78	13	3	.11	.4	.4	SNCL	1.4X	2	98	1
96	FEB	2	1316	59.38	19	24.57	155	15.45	11.73	15	5	.13	1.2	.8	INTL	1.8X	2	109	2
96	FEB	2	1345	48.97	19	19.10	155	13.66	6.68	35	4	.11	.4	.9	SF2	1.5X	4	70	4
96	FEB	2	1411	16.74	19	18.57	155	12.96	7.36	27	5	.09	.5	1.0	SF2	1.6X	3	134	7
96	FEB	2	1417	55.71	19	24.72	155	15.90	9.34	10	3	.10	1.2	.7	INTL	1.5X	2	104	2
96	FEB	2	1641	54.50	19	1.18	155	19.22	38.05	41	5	.09	1.1	1.5	LOI	2.0X	4	225	22
96	FEB	2	1649	10.38	19	22.81	155	14.62	2.16	11	3	.07	.3	.6	SEC	1.2X	1	128	2
96	FEB	2	1746	0.87	19	24.51	155	15.81	11.91	18	4	.14	1.0	1.1	INTL	1.9X	3	71	2
96	FEB	2	1907	18.23	19	50.67	155	31.54	18.92	41	6	.10	.6	1.4	KEA	1.6X	6	158	10
96	FEB	2	1932	1.67	19	25.16	155	15.74	10.57	11	2	.12	1.5	.9	INTL	2.0X	2	127	2
96	FEB	2	2130	44.87	19	24.79	155	15.62	10.40	13	4	.13	1.3	.8	INTL	1.7X	1	113	2
96	FEB	2	2344	7.42	19	1.72	155	19.45	37.23	40	9	.08	.9	1.1	LOI	1.9X	3	228	21
96	FEB	2	2345	20.67	19	24.21	155	15.42	12.78	11	4	.11	1.4	.9	INTL	1.8X	2	130	2
96	FEB	3	342	52.02	19	22.26	155	25.39	11.01	39	3	.11	.3	.8	KAO	1.5X	4	34	4
96	FEB	3	635	0.16	19	20.12	155	13.56	6.40	33	7	.11	.4	.7	SF2	1.5X	4	68	5
96	FEB	3	1244	27.76	19	25.20	155	14.31	0.83	20	3	.12	.3	.3	SNCT	1.8X	2	100	1
96	FEB	4	327	54.38	19	26.31	155	29.15	8.74	40	5	.13	.3	1.0	KAO	1.7X	6	41	8
96	FEB	4	746	44.81	19	1.26	155	19.34	35.98	42	12	.09	.8	.9	LOI	2.1X	4	231	21
96	FEB	4	748	10.06	19	22.96	155	30.54	13.37	30	4	.10	.4	1.1	DML	1.5X	3	41	5
96	FEB	4	828	42.96	19	24.84	155	17.05	1.95	14	2	.10	.3	.2	SNCL	1.6X	3	63	0
96	FEB	4	829	5.04	19	24.96	155	16.87	2.83	12	3	.08	.3	.4	SNCL	1.7X	3	93	0
96	FEB	4	1304	29.58	19	27.86	155	24.61	11.03	47	12	.12	.3	.6	KAO	2.1X	8	34	4
96	FEB	4	1421	56.88	19	31.49	155	56.75	12.93	23	3	.13	1.6	.5	KON	1.6X	4	275	5
96	FEB	4	1843	15.28	19	11.66	155	28.15	6.68	50	9	.14	.4	.9	LSW	2.0X	7	100	4
96	FEB	5	843	33.35	19	11.17	155	28.33	6.05	25	2	.13	.5	1.2	LSW	1.9X	3	99	3
96	FEB	5	856	51.09	19	18.49	155	15.20	9.03	46	9	.12	.4	.4	SF1	2.3X	8	132	5
96	FEB	5	2327	2.83	19	24.52	155	17.06	1.99	17	4	.09	.4	.2	SSCL	1.8X	3	78	1
96	FEB	5	2328	51.52	19	25.29	155	17.45	2.10	13	2	.09	.2	.2	SNCL	1.8X	2	85	0
96	FEB	6	148	27.84	19	24.82	155	17.02	1.89	15	2	.12	.4	.2	SNCL	1.8X	2	84	0
96	FEB	6	343	41.83	19	24.89	155	16.09	2.50	24	7	.11	.3	.3	SNC	1.8X	4	107	2
96	FEB	6	520	53.07	19	22.98	155	14.75	3.57	26	10	.09	.3	.3	SEC	1.7X	5	74	2
96	FEB	6	636	26.98	18	52.32	155	10.99	46.10	31	3	.10	1.8	1.5	LOI	2.0X	2	278	43
96	FEB	6	1257	33.22	19	20.35	155	7.38	7.09	33	6	.09	.5	.5	SF4	1.6X	4	132	5
96	FEB	6	1915	28.84	19	23.14	155	17.11	2.94	33	9	.10	.3	.2	SSC	1.6X	5	48	1
96	FEB	7	116	7.63	19	50.84	155	31.54	20.40	50	11	.10	.5	1.4	KEA	2.8X	7	116	10
96	FEB	7	600	33.14	19	24.89	155	38.53	3.07	39	7	.11	.3	.4	MLO	2.2X	6	105	2
96	FEB	7	1304	25.57	19	24.76	155	16.58	1.58	16	4	.09	.3	.2	SNCL	1.5X	3	93	1
96	FEB	7	1418	8.25	19	24.46	155	17.05	3.36	11	4	.09	.6	.5	SSCL	1.5X	3	80	1
96	FEB	7	1419	11.98	19	25.32	155	17.47	4.37	12	4	.09	.8	.5	SNCL	1.6X	3	155	0
96	FEB	7	1450	52.27	19	50.55	155	31.56	19.93	42	6	.09	.7	1.5	KEA	2.1X	7	191	10
96	FEB	7	1558	13.65	19	26.25	154	55.70	6.46	31	3	.13	1.6	.6	LER	1.7X	4	282	6
96	FEB	7	2135	11.51	19	19.44	155	14.92	8.37	23	2	.12	.6	1.2	SF1	1.5X	3	125	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	8	513	29.20	19	24.56	155	17.47	2.62	15	4	.10	.4	.3	SNCL	1.4X	4	67	1
96	FEB	8	1029	45.32	19	17.92	155	12.62	10.75	53	15	.13	.4	.5	SF2	2.3X	8	143	8
96	FEB	8	2317	55.08	19	21.94	155	4.72	7.04	33	2	.13	1.3	.8	SF5	1.5X	3	239	6
96	FEB	9	930	58.08	19	14.37	155	21.54	38.15	33	3	.10	1.0	1.5	DEP	1.7X	3	156	4
96	FEB	9	934	42.16	19	11.35	155	22.31	49.50	36	4	.13	1.3	1.1	DEPL	2.2X	2	185	6
96	FEB	9	1020	11.92	19	24.00	155	17.18	1.91	13	4	.15	.6	.3	SSCL	1.5X	3	104	1
96	FEB	9	1322	40.35	19	19.23	155	13.68	9.60	35	4	.09	.5	.6	SF2	1.7X	3	126	6
96	FEB	9	1939	5.84	19	24.90	155	17.06	2.03	17	4	.11	.4	.2	SNCL	1.4X	2	78	0
96	FEB	10	1027	11.88	19	17.16	155	12.98	7.22	24	2	.12	.6	1.1	SF2	1.4X	2	166	1
96	FEB	10	1229	46.36	19	24.18	155	17.42	1.53	18	6	.11	.2	.3	SSCL	1.5X	2	67	2
96	FEB	10	1416	58.92	19	24.06	155	16.21	3.78	14	3	.10	.5	.6	SECL	1.3X	3	111	1
96	FEB	10	2051	54.50	19	12.13	155	42.08	6.80	38	2	.19	.5	1.4	LSW	2.2X	3	79	9
96	FEB	10	2116	28.70	19	22.08	155	5.09	7.70	34	6	.11	.7	.6	SF5	1.6X	4	201	5
96	FEB	10	2221	54.94	19	22.78	155	14.87	3.18	23	9	.11	.3	.4	SEC	1.5X	4	70	2
96	FEB	11	433	38.00	19	21.78	155	5.96	7.89	19	8	.07	.8	.8	SF4	1.9X	4	250	4
96	FEB	11	714	0.78	19	0.71	155	26.75	42.95	30	8	.08	1.6	1.1	DLS	1.8X	2	225	16
96	FEB	11	801	33.54	19	23.03	155	29.54	10.78	32	2	.09	.4	.7	KAO	1.8X	3	49	4
96	FEB	11	1059	46.72	19	24.13	155	17.21	10.46	16	4	.11	.8	1.1	INTL	1.9X	3	64	1
96	FEB	11	1857	29.12	19	22.89	155	14.44	3.50	17	5	.06	.3	.3	SEC	1.4X	4	125	2
96	FEB	12	614	26.08	19	30.50	155	26.89	3.84	18	4	.11	.4	.8	MLO	1.1X	3	121	3
96	FEB	12	627	3.11	19	22.09	155	9.00	3.95	17	3	.06	.5	.5	SER	1.3X	2	122	1
96	FEB	12	1113	39.70	19	16.20	155	26.40	8.39	39	2	.13	.4	.8	LSW	1.8X	3	63	5
96	FEB	12	1603	59.40	19	29.11	155	26.74	10.48	42	10	.13	.3	.7	KAO	1.8X	7	65	6
96	FEB	12	2120	31.44	19	21.61	155	9.02	2.84	28	5	.12	.4	.3	SER	1.4X	4	129	2
96	FEB	13	535	31.41	19	23.33	155	16.99	3.41	22	6	.09	.3	.3	SSC	1.6X	4	46	0
96	FEB	13	852	49.36	19	22.74	155	14.56	3.29	19	6	.08	.3	.4	SEC	1.4X	4	79	2
96	FEB	13	1058	45.55	19	23.38	155	15.14	3.54	24	4	.11	.3	.4	SEC	2.1X	5	60	2
96	FEB	13	1059	14.75	19	23.30	155	15.09	2.92	22	9	.09	.3	.3	SEC	1.6X	5	75	2
96	FEB	13	1611	43.42	19	22.83	155	14.71	3.48	23	8	.09	.3	.3	SEC	1.4X	5	75	2
96	FEB	13	1910	5.04	19	24.22	155	16.64	16.07	52	16	.11	.4	.3	DEP	2.7X	7	40	1
96	FEB	14	624	42.05	19	22.89	155	14.73	3.00	21	8	.09	.3	.4	SEC	1.4X	5	75	2
96	FEB	14	841	35.41	19	19.98	155	11.50	6.95	29	4	.09	.4	.8	SF3	1.4X	3	118	5
96	FEB	14	1753	32.56	19	26.22	155	21.91	8.94	36	7	.08	.3	.7	KAO	1.6X	6	59	3
96	FEB	14	1837	34.06	19	24.59	155	17.00	2.83	15	5	.08	.5	.3	SNCL	1.7X	3	145	1
96	FEB	14	2230	9.07	19	22.98	155	14.70	3.49	18	5	.06	.3	.4	SEC	1.6X	4	90	2
96	FEB	15	245	56.39	19	20.20	155	29.71	8.22	36	3	.09	.3	.7	KAO	1.4X	4	63	6
96	FEB	15	605	49.61	19	12.65	155	30.76	9.26	43	8	.16	.4	.8	LSW	2.0X	4	119	8
96	FEB	15	2036	44.03	19	19.76	155	10.70	7.89	30	6	.10	.4	.8	SF3	1.6X	4	93	5
96	FEB	15	2316	4.42	19	36.43	155	15.57	32.64	54	13	.10	.6	.8	KEA	1.9X	8	84	16
96	FEB	16	1003	44.99	19	50.98	155	31.57	18.90	32	4	.10	.6	1.5	KEA	1.7X	3	116	10
96	FEB	17	2158	26.75	19	24.86	155	16.99	2.60	15	4	.11	.4	.3	SNCL	1.3X	3	89	0
96	FEB	17	2344	15.43	19	25.07	155	18.97	5.98	42	10	.11	.3	.6	INT	1.9X	7	41	2
96	FEB	18	923	3.76	19	15.83	155	27.02	7.80	36	1	.11	.4	.8	LSW	1.5X	4	71	6
96	FEB	18	2311	23.12	19	12.10	155	41.93	0.33	43	8	.17	.4	.2	LSW	1.8X	6	71	9
96	FEB	19	309	47.42	19	47.73	156	13.53	44.74	33	4	.11	1.3	1.6	HUA	2.1X	4	296	42

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	FEB	19	702	30.26	18	57.18	155	11.80	44.14	35	4	.09	1.8	1.5	LOI	1.9X	4	281	36
96	FEB	19	713	12.92	19	20.52	155	5.75	6.85	28	3	.09	1.3	.6	SF4	1.4X	4	247	6
96	FEB	19	719	32.53	19	19.61	155	6.89	7.44	25	5	.08	.8	.8	SF4	1.3X	4	216	5
96	FEB	19	1756	32.90	19	25.29	155	19.62	8.20	45	9	.11	.3	.6	KAO	1.9X	7	46	3
96	FEB	19	2014	55.61	19	25.36	155	19.60	7.54	30	6	.10	.4	.7	KAO	1.5X	5	49	3
96	FEB	19	2309	19.08	19	45.16	155	33.92	17.61	40	8	.10	.6	1.4	KEA	2.0X	5	160	12
96	FEB	20	258	15.68	19	5.89	155	28.75	29.28	38	2	.09	1.1	1.1	DLS	1.9X	3	185	7
96	FEB	20	1334	46.53	19	33.57	155	37.56	10.24	40	9	.12	.5	.6	MLO	1.7X	5	104	5
96	FEB	20	2256	48.02	19	26.12	155	29.44	10.51	43	9	.11	.3	.9	KAO	2.0X	7	57	7
96	FEB	20	2320	10.76	18	57.49	155	34.66	41.22	5415		.08	.7	1.0	DLS	2.6X	10	235	10
96	FEB	21	820	5.45	19	22.03	155	2.58	6.63	34	4	.11	.8	.6	SF5	1.8X	5	226	9
96	FEB	21	1239	28.72	19	24.88	155	16.01	2.96	12	4	.07	.4	.5	SNCL	1.8X	3	155	2
96	FEB	22	18	46.39	19	24.20	155	17.51	2.51	18	6	.10	.3	.3	SSCL	1.9X	4	56	2
96	FEB	22	405	21.70	19	33.50	155	41.86	8.81	37	8	.12	.4	.9	MLO	1.7X	6	63	9
96	FEB	22	1835	12.62	19	26.11	155	20.14	8.01	39	8	.09	.3	.5	KAO	1.6X	5	47	3
96	FEB	22	2143	31.28	19	25.93	155	15.97	1.51	15	3	.12	.4	.6	SNCL	1.7X	3	188	3
96	FEB	22	2238	39.69	19	13.86	155	29.58	9.96	36	3	.13	.4	1.1	LSW	1.7X	4	95	9
96	FEB	23	1536	44.09	19	3.20	155	21.85	26.33	39	4	.10	.9	1.7	LOI	1.8X	5	215	16
96	FEB	23	1838	24.17	19	17.82	155	14.02	10.71	37	3	.11	.5	.4	SF2	1.8X	7	144	7
96	FEB	23	1839	33.40	19	21.13	155	49.73	11.63	46	9	.13	.5	.3	KON	2.1X	8	123	11
96	FEB	24	942	53.82	19	24.10	155	17.51	1.69	17	4	.08	.2	.3	SSCL	1.6X	3	58	2
96	FEB	25	1735	49.23	19	47.59	155	22.60	26.94	40	9	.10	.7	1.3	KEA	1.9X	4	94	9
96	FEB	26	502	6.44	19	19.70	155	7.48	8.43	36	5	.12	.6	.4	SF4	2.0X	4	178	4
96	FEB	26	928	8.86	19	24.38	155	17.62	1.98	12	4	.10	.4	.4	SSCL	1.7X	3	104	1
96	FEB	26	1144	13.69	19	24.10	155	17.19	2.05	15	4	.08	.3	.3	SSCL	1.6X	3	94	1
96	FEB	26	1148	3.16	19	23.86	155	17.27	2.01	15	4	.09	.3	.3	SSCL	1.6X	3	74	1
96	FEB	26	2217	9.30	19	20.14	155	13.15	7.37	34	4	.10	.5	.7	SF2	1.5X	3	129	5
96	FEB	27	906	32.50	20	0.18	155	32.84	11.34	24	5	.08	.6	.5	KEA	1.5X	2	180	20
96	FEB	27	1008	20.24	19	19.67	155	12.09	6.90	33	5	.11	.5	.9	SF3	1.6X	5	125	6
96	FEB	27	1220	20.00	19	14.37	155	22.10	7.78	26	2	.09	.5	1.1	SWR	1.4X	2	157	3
96	FEB	27	1220	53.76	19	14.59	155	22.26	7.51	26	2	.08	.5	.9	SWR	1.4X	2	149	3
96	FEB	27	1228	54.56	19	20.97	155	12.99	9.01	36	7	.10	.4	.5	SF2	1.6X	6	104	3
96	FEB	27	1712	37.61	19	20.57	155	13.11	6.95	27	5	.09	.5	.6	SF2	1.7X	4	180	4
96	FEB	27	2352	8.66	19	19.08	155	9.57	8.93	20	3	.07	.6	1.2	SF3	1.5X	2	115	4
96	FEB	28	236	11.75	19	59.88	156	45.27	15.95	23	5	.12	4.91	4.3	DIS -	2.0X	2	326	102
96	FEB	28	739	56.32	19	23.84	155	1.90	1.20	17	4	.10	2.0	1.1	SME	1.3X	2	286	10
96	FEB	28	1053	58.88	19	29.52	155	19.53	13.76	4413		.11	.6	.4	DML	1.8X	7	155	4
96	FEB	28	2056	7.61	19	24.59	155	38.06	1.63	24	2	.14	.5	.3	MLO	1.6X	4	98	1
96	FEB	28	2332	59.91	19	56.75	155	29.93	36.30	4611		.09	.6	.8	KEA	2.3X	7	229	17
96	FEB	29	448	41.74	19	17.87	155	1.36	4.10	12	1	.10	4.71	1.5	SSFE-			313	12
96	FEB	29	2150	1.89	19	33.66	155	37.82	10.04	4410		.10	.4	.5	MLO	2.1X	8	106	9
96	MAR	1	1823	1.27	18	57.32	155	34.43	41.23	4610		.08	.8	.9	DLS	1.9X	5	236	10
96	MAR	2	110	34.03	19	32.88	155	41.63	9.80	4710		.11	.4	.6	MLO	2.3X	8	61	9
96	MAR	2	1517	36.06	19	21.79	155	13.11	3.09	23	8	.07	.3	.3	SER	1.5X	5	73	2
96	MAR	2	1724	46.70	19	19.89	155	1.54	39.43	4712		.10	.8	.6	DEP	2.1X	7	203	12

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	MAR	2	1947	57.10	19	24.06	155	25.60	9.55	34	5	.10	.4	.8	KAO	1.5X	4	42	5
96	MAR	2	2228	53.42	19	21.45	155	6.83	10.48	5115		.11	.5	.3	SF4F	3.2X	2	174	4
96	MAR	2	2231	44.76	19	20.17	155	7.07	7.50	35	5	.11	.5	.4	SF4	2.1X	4	140	5
96	MAR	3	354	48.94	19	17.81	155	28.83	5.55	30	2	.13	.3	2.5	LSW	1.7X	2	70	9
96	MAR	3	1638	33.70	19	18.31	155	12.73	8.97	32	3	.12	.5	.7	SF2	2.0X	4	138	8
96	MAR	3	1639	0.78	19	17.76	155	12.90	7.91	4210		.13	.4	.9	SF2	2.2X	6	146	9
96	MAR	3	1640	31.78	19	17.65	155	12.72	9.28	23	4	.09	.6	1.1	SF2	1.9X	4	148	8
96	MAR	3	1653	50.77	19	17.79	155	12.74	8.92	30	5	.11	.6	.9	SF2	1.9X	4	168	8
96	MAR	4	617	39.18	19	28.98	155	26.68	8.41	5118		.14	.3	.8	KAO	2.7X	8	77	6
96	MAR	4	1518	36.93	19	19.79	155	7.81	6.05	28	4	.09	.6	1.1	SF4	1.3X	2	182	4
96	MAR	5	107	53.71	19	28.62	155	15.92	24.93	5717		.12	.5	.6	DEPF	4.0D	1	54	2
96	MAR	5	413	41.16	19	23.22	155	16.96	3.50	17	3	.08	.4	.4	SSC	1.8X	3	59	0
96	MAR	5	1420	23.17	18	48.58	155	10.63	6.28	21	6	.12	.9	1.2	LOI	1.9X	2	286	49
96	MAR	5	2102	5.45	19	21.79	155	5.35	8.06	36	4	.10	.7	.4	SF4	2.2X	6	151	5
96	MAR	5	2353	3.46	19	20.85	155	11.23	9.58	39	6	.10	.4	.4	SF3	2.0X	4	77	3
96	MAR	6	322	10.54	18	50.94	155	17.17	14.39	44	7	.12	2.7	4.2	LOI	2.4X	4	273	39
96	MAR	6	1705	33.14	19	23.04	155	14.72	3.44	21	7	.08	.3	.4	SEC	1.8X	4	89	2
96	MAR	6	2106	32.50	19	21.42	155	6.04	8.33	37	6	.10	.6	.5	SF4	2.3X	5	145	4
96	MAR	7	216	19.66	19	17.92	155	29.62	7.70	6220		.12	.3	.6	LSW	2.6X	8	44	9
96	MAR	7	317	58.75	20	0.90	155	34.17	14.63	35	6	.09	1.1	.6	KOH	1.9X	4	262	27
96	MAR	7	446	5.26	19	18.20	155	13.30	5.68	23	4	.07	.4	1.1	SF2	1.3X	4	89	2
96	MAR	7	554	48.65	19	19.07	155	12.93	9.44	20	4	.08	.7	1.3	SF2	1.8X	4	150	7
96	MAR	7	2109	13.88	19	15.75	156	25.30	34.40	36	9	.12	1.1	2.4	DIS	2.4X	3	311	58
96	MAR	8	52	18.91	19	25.10	155	38.68	3.00	18	4	.10	.4	.6	MLO	1.1X	2	109	2
96	MAR	8	1020	27.07	19	24.28	155	16.64	0.19	14	4	.12	.3	.2	SSCL	1.4X	4	137	1
96	MAR	8	1215	0.02	19	50.31	155	31.73	19.55	43	4	.10	.8	1.5	KEA	1.9X	4	112	10
96	MAR	8	1609	0.03	19	11.77	155	32.78	0.92	32	5	.19	.5	.7	LSW	1.8X	3	93	10
96	MAR	8	1642	9.48	19	13.46	155	31.44	6.57	46	7	.20	.5	1.6	LSW	1.8X	6	114	10
96	MAR	8	1958	49.93	19	20.17	155	11.28	9.15	34	3	.09	.5	.7	SF3	1.5X	2	121	4
96	MAR	8	2015	20.91	19	49.36	155	33.70	28.08	5917		.10	.5	1.0	KEAF	3.5X	4	104	11
96	MAR	8	2210	47.92	19	12.56	155	27.62	5.35	46	7	.13	.3	1.3	LSW	2.1X	8	110	6
96	MAR	9	55	1.30	19	18.56	155	12.57	8.28	35	4	.10	.5	.8	SF2	1.5X	4	134	8
96	MAR	9	352	19.18	19	14.86	156	23.73	15.75	43	7	.15	4.71	1.0	DIS	2.3X	6	298	55
96	MAR	9	2040	44.42	19	17.74	155	14.87	10.70	44	6	.11	.5	.5	SF1	1.8X	6	144	6
96	MAR	9	2304	39.43	19	23.92	155	16.46	2.65	15	4	.06	.4	.3	SECL	1.6X	3	115	0
96	MAR	10	503	49.25	19	27.25	155	14.69	31.44	5315		.10	.5	.6	DEP	1.9X	7	51	4
96	MAR	10	632	41.39	19	26.58	155	34.88	42.55	28	6	.09	.9	1.1	DML	1.7X	3	59	3
96	MAR	10	634	46.66	19	27.08	155	35.61	42.52	34	6	.10	.7	1.2	DML	1.8X	4	61	1
96	MAR	10	1750	1.08	19	9.51	155	28.80	36.41	29	5	.10	.9	1.1	DLS	1.8X	2	180	2
96	MAR	10	1806	12.29	19	17.76	155	41.65	27.95	4713		.10	.5	.9	DLS	1.7X	7	55	7
96	MAR	10	1952	36.78	19	24.19	155	17.26	1.81	10	3	.09	.4	.6	SSCL	1.6X	3	92	1
96	MAR	11	558	39.19	19	37.25	156	3.08	42.55	25	2	.10	2.2	1.6	KONF	1.6X	2	268	20
96	MAR	11	835	40.38	19	13.91	155	6.97	41.90	46	7	.13	.9	.9	DEP #	2.2X	4	201	7
96	MAR	12	1725	22.46	19	22.35	155	29.89	10.06	36	7	.10	.3	.6	KAO	1.8X	4	33	4
96	MAR	12	1943	21.90	19	21.14	155	13.30	10.35	35	8	.11	.4	.5	SF2	1.4X	6	60	3

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	MAR	12	2236	30.28	19	20.17	155	30.61	8.43	37	6	.09	.3	.9	KAO	1.3X	5	64	7
96	MAR	13	656	4.51	19	27.21	155	29.64	41.40	4610		.10	.6	.9	DML	2.0X	5	39	7
96	MAR	13	854	2.18	19	21.41	155	16.45	1.89	12	3	.08	.5	.4	KOA	1.5X	2	92	2
96	MAR	13	1525	52.20	19	24.35	155	16.71	3.40	19	4	.06	.4	.2	SSC	1.6X	2	108	1
96	MAR	13	1903	21.45	19	22.15	155	5.16	7.86	39	6	.11	.5	.4	SF5	2.1X	5	146	5
96	MAR	14	659	33.94	20	23.86	156	24.07	33.46	5512		.15	.9	1.7	DIS	3.2X	5	148	38
96	MAR	14	901	54.37	19	18.48	155	15.40	8.14	31	4	.10	.5	.8	SF1	1.2X	5	134	5
96	MAR	14	1232	4.42	19	7.19	155	32.89	48.34	28		.08	1.2	3.8	DLST			153	10
96	MAR	14	1234	29.02	19	11.18	155	26.20	31.80	20		.11	3.1	4.2	DLST			260	7
96	MAR	14	1235	35.18	19	10.06	155	26.69	32.44	23		.15	2.3	4.1	DLST			184	2
96	MAR	14	1240	0.55	19	10.17	155	27.05	48.64	27		.12	1.8	5.4	DLST	2.0X	3	162	2
96	MAR	14	2026	49.15	19	22.79	155	2.24	7.66	35	6	.15	.9	.6	SF5	2.0X	4	169	8
96	MAR	14	2255	12.19	19	21.98	155	13.22	3.21	15	3	.03	.3	.4	SER	1.6X	2	95	1
96	MAR	15	301	4.64	19	6.62	155	31.04	47.31	39		.09	1.1	2.5	DLST	2.8X	1	165	8
96	MAR	15	301	5.34	19	5.83	155	31.12	46.88	4611		.12	.9	1.1	DLS	2.3X	7	235	9
96	MAR	15	306	35.04	19	7.65	155	29.45	40.52	32		.12	1.0	3.2	DLST	2.8X	1	171	4
96	MAR	15	307	18.98	19	12.67	155	32.43	56.80	30		.12	1.2	3.5	DLST			82	9
96	MAR	15	308	4.95	19	6.31	155	27.73	43.19	32		.11	1.3	3.0	DLST			179	6
96	MAR	15	342	8.61	19	3.33	155	31.66	55.61	35		.13	2.3	3.7	DLST			183	13
96	MAR	15	343	38.17	19	3.37	155	27.74	58.46	36		.13	2.3	4.2	DLST			197	11
96	MAR	15	343	50.75	19	6.32	155	26.00	55.71	36		.11	1.2	3.5	DLST			184	7
96	MAR	15	344	24.89	19	5.58	155	26.11	62.16	33		.11	1.7	3.5	DLST			189	8
96	MAR	15	823	6.39	19	12.26	155	30.26	72.48	34	4	.11	1.2	1.9	DLST	2.2X	2	75	7
96	MAR	15	825	51.68	19	14.13	155	26.88	46.50	32	2	.12	.9	3.0	DLST	2.0X	1	107	5
96	MAR	15	1139	54.91	20	12.33	155	50.48	17.08	28	4	.07	1.5	13.6	KOH -	1.9X	4	301	43
96	MAR	15	1711	40.22	19	12.43	155	30.18	1.32	33	2	.12	.5	1.0	LSW	1.6X	3	115	7
96	MAR	15	2331	2.32	19	25.19	155	19.29	6.59	33	7	.10	.4	.6	KAO	1.4X	5	84	3
96	MAR	15	2355	16.80	19	26.81	155	29.70	8.86	32	5	.12	.3	1.2	KAO	1.2X	4	55	9
96	MAR	16	646	0.08	19	25.36	155	20.43	8.15	35	9	.09	.4	.6	KAO	2.0X	5	95	3
96	MAR	16	1838	24.77	19	22.43	155	30.33	11.35	38	2	.10	.4	1.0	KAO	1.4X	5	52	5
96	MAR	16	2256	44.50	19	22.44	155	11.15	33.77	5618		.11	.5	.6	DEP	2.5X	9	82	2
96	MAR	17	918	14.95	19	49.59	156	8.91	40.20	5311		.11	.9	1.3	HUAF	3.2X	8	291	36
96	MAR	17	1021	51.37	19	12.75	155	26.00	5.73	25	1	.11	.5	1.2	LSW	1.5X	2	135	5
96	MAR	17	2007	41.67	19	17.87	155	16.34	8.20	37	4	.11	.5	.5	SF1	1.3X	6	140	4
96	MAR	18	624	34.74	19	19.64	155	15.20	8.64	45	9	.11	.4	.5	SF1	1.4X	8	122	4
96	MAR	19	605	46.69	19	23.24	155	27.49	9.90	40	5	.10	.3	.8	KAO	1.3X	6	38	1
96	MAR	19	1719	13.93	19	49.53	155	6.74	44.29	5416		.10	.7	.9	KEA	2.4X	8	214	25
96	MAR	20	114	43.43	19	26.69	155	22.15	10.73	4211		.11	.3	.6	KAO	1.8X	7	70	3
96	MAR	20	919	49.14	19	20.63	155	7.00	6.94	38	7	.10	.5	.7	SF4	1.3X	5	136	5
96	MAR	20	1925	23.35	19	37.23	155	57.13	17.08	5210		.12	.8	1.7	KONF	2.3X	8	242	14
96	MAR	20	2226	38.66	19	28.49	155	24.40	6.46	4410		.14	.3	.8	KAO	1.8X	7	49	3
96	MAR	21	43	30.52	19	12.41	155	35.08	9.26	37	5	.19	.5	.9	LSW	1.7X	3	86	6
96	MAR	21	625	1.14	19	19.51	155	11.73	7.11	41	7	.10	.4	.8	SF3	1.5X	5	93	6
96	MAR	21	1214	34.81	19	19.10	155	14.88	7.26	34	4	.12	.5	1.1	SF1	1.4X	5	129	5
96	MAR	23	39	49.62	19	24.23	155	17.28	2.20	17	4	.09	.3	.2	SSCL	1.1X	2	59	1

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	MAR	23	39	52.74	19	24.55	155	17.30	2.00	3110		.12	.3	.1	SNCL	2.1X	5	57	1
96	MAR	23	40	20.99	19	24.66	155	16.78	2.94	19	5	.10	.4	.3	SNCL	2.2X	3	129	1
96	MAR	23	844	4.25	19	20.47	155	4.57	6.11	41	4	.10	.6	.8	SF5	1.6X	3	172	8
96	MAR	23	1201	47.85	19	20.18	155	11.88	7.74	38	5	.10	.4	.6	SF3	1.5X	4	108	5
96	MAR	23	2224	7.66	19	25.79	155	50.89	10.00	5012		.18	.4	.4	KONF	2.8X	8	124	10
96	MAR	24	1028	25.69	19	25.16	155	16.40	5.71	28	7	.09	.5	.4	INTL	1.7X	5	150	1
96	MAR	24	1130	10.02	19	22.78	155	14.30	4.09	22	7	.10	.3	.5	SEC	1.6X	4	85	2
96	MAR	24	1608	31.53	19	24.24	155	17.09	1.11	17	3	.11	.3	.2	SSCL	1.6X	3	73	1
96	MAR	24	2255	6.64	19	23.40	155	18.16	10.00	18	4	.08	.8	.9	INTL	1.9X	4	97	2
96	MAR	24	2320	39.14	19	21.41	155	7.21	1.07	8	1	.06	.6	1.0	SSF	1.7X	1	125	4
96	MAR	25	1913	35.44	19	20.56	155	8.33	7.81	27	5	.09	.5	.8	SF4	1.3X	5	110	4
96	MAR	25	2224	37.48	19	20.56	155	11.86	8.62	5113		.13	.3	.4	SF3	2.1X	7	105	4
96	MAR	26	1447	46.44	19	22.40	155	29.78	9.81	34	3	.08	.4	.7	KAO	1.8X	4	51	4
96	MAR	27	1207	53.45	19	22.60	155	2.45	7.88	36	8	.14	.6	.5	SF5	1.7X	4	169	8
96	MAR	27	1457	8.14	19	25.58	154	52.40	41.82	5010		.09	.9	.6	LER	2.5X	6	220	9
96	MAR	27	2008	11.98	19	19.85	155	7.27	7.24	31	5	.09	.7	.5	SF4	1.6X	4	201	5
96	MAR	27	2201	50.38	19	43.07	156	8.80	35.81	34	7	.11	1.1	1.1	HUA	1.9X	4	283	32
96	MAR	27	2333	30.28	20	9.28	155	41.76	28.83	42	7	.11	1.1	2.1	KOH	1.9X	7	287	33
96	MAR	29	45	12.38	19	20.19	155	6.77	8.63	30	2	.06	.8	.5	SF4	1.7X	3	217	6
96	MAR	29	209	53.92	19	11.54	155	21.12	42.69	35	8	.13	1.1	.8	DEP	1.9X	4	201	7
96	MAR	29	1536	34.55	19	23.91	155	15.79	3.46	39	9	.09	.3	.2	SEC	2.1X	5	69	1
96	MAR	29	2031	0.30	19	20.37	155	7.00	7.91	40	8	.13	.5	.6	SF4	1.3X	5	139	6
96	MAR	30	240	21.60	20	11.73	156	33.29	27.13	39	2	.09	2.5	3.3	DIS	2.6X	5	319	101
96	MAR	30	1737	25.51	19	17.17	155	30.64	6.94	37		.14	.4	1.3	LSW	1.7X	10	47	11
96	MAR	31	248	59.98	19	10.54	155	40.69	0.42	5216		.18	.4	.3	LSWF	2.8X	7	82	9
96	MAR	31	721	26.34	17	31.28	154	43.88	6.92	24	4	.13	10.3	12.6	DIS -	3.0X	2	341	189
96	MAR	31	2115	26.53	19	19.87	155	13.30	7.12	28	7	.09	.4	.7	SF2	1.5X	3	68	5
96	APR	1	103	9.86	19	28.90	155	26.36	6.51	43	10	.14	.3	1.1	KAO	1.7X	7	60	6
96	APR	1	929	52.02	19	41.72	155	32.06	10.53	19	1	.11	.6	.7	KEA	1.2X	1	95	11
96	APR	1	958	51.20	19	59.97	155	22.38	13.69	45	10	.13	1.1	.4	KEAF	2.4X	9	251	13
96	APR	1	1549	29.37	19	58.98	155	34.13	17.08	43	8	.11	1.1	2.5	KOH	2.2X	6	252	17
96	APR	1	1626	59.09	19	36.99	155	52.70	27.29	35	5	.10	.6	1.0	KON	2.3X	6	190	9
96	APR	1	1851	43.28	19	15.73	155	28.09	0.96	41	7	.14	.3	.5	LSW	1.4X	6	72	8
96	APR	1	2152	47.62	19	5.79	155	29.05	30.52	52	11	.09	.6	.9	DLS	2.6X	7	178	7
96	APR	2	902	56.86	19	18.66	155	47.89	12.12	36	7	.11	.4	.4	KON	1.8X	4	117	9
96	APR	2	1343	41.00	19	12.72	155	32.59	4.88	27	3	.22	.8	7.3	LSW #	1.7X	2	130	9
96	APR	3	421	42.70	19	15.36	155	31.43	2.00	32	2	.18	.5	1.6	LSW	1.7X	3	117	10
96	APR	3	828	45.89	19	24.31	155	17.16	2.21	10	4	.10	.6	.7	SSCL	1.5X	3	113	1
96	APR	3	1748	34.96	18	57.36	155	34.46	41.20	5015		.09	.8	.9	DLS	2.7X	7	236	10
96	APR	4	1719	50.01	19	19.84	155	11.77	7.81	31	5	.09	.5	.7	SF3	1.5X	3	130	5
96	APR	4	1935	47.46	19	16.16	155	26.47	9.12	39	4	.12	.4	.6	LSW	1.7X	4	64	5
96	APR	4	2104	29.70	19	20.03	155	11.85	7.91	37	7	.09	.4	.6	SF3	1.3X	5	119	5
96	APR	4	2227	20.70	19	37.95	155	49.10	15.14	46	8	.12	.6	.4	KONF	3.1X	6	127	6
96	APR	4	2335	35.41	19	58.24	155	15.98	6.80	4611		.12	.8	.6	KEA	2.1X	8	284	29
96	APR	5	1147	10.79	19	19.95	155	7.92	5.44	28	5	.11	.5	1.1	SF4	1.6X	3	122	5

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	APR	5	2209	1.65	19	49.61	155	24.65	19.67	28	9	.10	.6	1.0	KEAF	2.8X	4	170	7
96	APR	6	2216	8.29	19	19.97	155	11.73	6.90	39	6	.12	.4	.6	SF3	1.9X	4	119	5
96	APR	7	1439	29.89	19	58.75	155	20.41	11.43	20	5	.09	1.4	.5	KEA	1.9X	3	285	10
96	APR	7	1756	48.70	19	23.07	155	54.18	9.02	32	7	.23	.9	.7	KON	1.7X	2	188	12
96	APR	8	30	42.12	19	20.54	155	10.68	8.38	37	5	.12	.5	.6	SF3	1.9X	5	104	3
96	APR	8	257	11.67	19	17.88	155	30.47	9.63	29	2	.12	.4	1.0	LSW	1.5X	3	77	10
96	APR	8	307	43.96	19	18.20	155	30.09	9.85	35	4	.13	.4	1.0	LSW	1.8X	3	74	9
96	APR	8	1258	50.34	19	25.87	155	19.93	7.64	22	6	.07	.5	.7	KAO	2.1X	4	140	4
96	APR	9	430	29.15	19	21.72	155	30.28	10.21	46	10	.09	.3	.6	KAO	2.2X	6	55	5
96	APR	9	630	10.40	19	21.62	155	30.27	9.89	45	9	.10	.3	.6	KAO	2.4X	5	34	5
96	APR	9	655	39.17	19	19.66	155	11.94	7.34	31		.10	.6	1.0	SF3	1.5X	3	125	6
96	APR	9	702	37.40	19	21.74	155	30.27	12.05	35	5	.09	.4	.7	KAO	1.5X	3	55	5
96	APR	9	1031	47.52	19	20.08	155	7.92	7.07	23	3	.09	.6	.7	SF4	1.6X	3	177	5
96	APR	10	529	54.20	19	19.85	155	6.96	7.75	33	3	.10	.6	.3	SF4	1.4X	3	146	5
96	APR	10	1208	35.01	20	11.88	157	48.11	2.14	37	5	.12	13.6	7.4	DIS -	3.2X	6	339	212
96	APR	10	2230	25.40	19	22.42	155	27.03	11.19	43	6	.10	.4	.6	KAO	1.9X	4	48	1
96	APR	11	919	28.91	19	13.34	155	32.83	8.73	27	4	.14	.4	1.1	LSW	1.6X	2	123	8
96	APR	11	936	52.35	19	24.31	155	17.29	2.25	16	5	.11	.4	.2	SSCL	1.8X	2	89	1
96	APR	11	1205	24.86	19	20.07	155	11.88	6.83	31	3	.09	.5	.8	SF3	2.0X	4	110	5
96	APR	11	2037	15.18	19	13.14	155	32.97	8.56	34	6	.17	.4	.8	LSW	1.7X	2	127	8
96	APR	12	1329	54.21	19	23.01	155	4.05	8.65	41	5	.09	.5	.3	SF5	2.0X	3	147	6
96	APR	12	1950	36.16	19	25.50	155	39.30	2.14	17	5	.06	.6	.4	MLO	1.3X	3	209	3
96	APR	13	1823	53.55	19	25.51	155	39.51	1.40	23	5	.12	.4	.4	MLO	1.8X	7	191	4
96	APR	13	2259	42.73	19	28.92	155	24.71	4.47	38	8	.14	.3	.9	KAO	1.6X	7	53	3
96	APR	14	125	59.51	19	50.57	155	31.67	20.70	38	7	.10	.7	1.1	KEA	1.8X	5	191	10
96	APR	14	222	48.14	19	50.08	155	31.55	20.36	32	5	.10	.8	1.2	KEA	1.5X	4	188	9
96	APR	14	229	3.82	19	50.46	155	31.77	20.93	31	3	.09	.8	1.3	KEA	1.6X	4	191	10
96	APR	14	530	34.58	19	24.59	155	17.38	2.27	13	4	.09	.5	.3	SNCL	1.6X	3	67	1
96	APR	14	1239	58.92	19	19.54	155	7.70	6.81	26	4	.09	.5	.8	SF4	1.5X	3	131	4
96	APR	14	2153	43.65	19	28.64	155	36.26	1.09	12	4	.11	.3	.2	MLO	1.1X	1	178	1
96	APR	15	529	16.28	19	21.83	155	8.84	3.75	31	3	.11	.4	.4	SER	1.2X	4	99	2
96	APR	16	905	49.19	20	10.18	155	33.69	36.96	34	9	.12	1.1	1.6	KEA	1.8X	2	294	39
96	APR	16	1836	40.78	19	11.27	155	28.12	6.90	35	5	.15	.5	.9	LSW	1.6X	3	100	3
96	APR	16	1855	24.30	19	45.46	155	26.86	25.65	49	12	.09	.5	.9	KEA	3.1X	8	78	3
96	APR	17	1235	2.11	19	19.04	155	13.57	8.98	35	6	.09	.5	.7	SF2	1.4X	5	138	7
96	APR	17	1737	20.83	19	17.14	155	32.91	5.90	32	2	.13	.4	1.9	LSW	2.0X	4	91	8
96	APR	17	1801	29.26	19	20.22	155	11.78	6.94	37	6	.11	.4	.7	SF3	1.7X	3	116	5
96	APR	18	1459	27.38	19	20.36	155	10.85	8.52	28	3	.09	.5	.8	SF3	1.5X	3	92	4
96	APR	18	1559	28.78	19	23.65	155	15.05	3.10	17	6	.09	.3	.5	SEC	1.2X	4	92	2
96	APR	18	2334	31.54	19	12.31	155	27.90	0.53	38	6	.11	.3	.4	LSW	1.5X	5	104	5
96	APR	19	440	21.59	19	25.12	155	39.08	3.08	18	5	.08	.7	.5	MLO	1.6X	1	201	3
96	APR	19	1104	30.01	19	20.02	155	7.69	6.83	30	4	.11	.5	.8	SF4	1.2X	3	186	5
96	APR	19	1443	7.36	19	20.02	155	8.33	7.43	41	10	.11	.4	.6	SF4	1.9X	8	112	5
96	APR	20	147	29.07	19	24.11	154	58.58	4.88	24	2	.14	1.1	.8	SLE	1.3X	3	181	2
96	APR	20	918	18.44	19	19.69	155	7.59	7.38	40	7	.10	.4	.6	SF4	1.7X	4	132	4

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	APR	20	1541	58.34	19	18.96	155	15.58	9.67	48	12	.14	.4	.5	SF1	1.8X	8	130	4
96	APR	20	2007	40.02	20	4.68	155	32.27	28.00	54	14	.12	1.0	1.7	KEA	2.5X	9	270	29
96	APR	21	817	45.37	19	43.56	155	3.64	14.36	34	5	.16	3.0	5.6	HIL	2.0X	3	195	34
96	APR	21	1338	29.97	19	18.40	155	32.94	1.53	42	5	.19	.4	.9	LSW	1.6X	5	48	10
96	APR	22	1054	8.05	19	26.86	155	14.73	31.49	37	6	.08	.7	.7	DEP	1.8X	4	102	4
96	APR	22	1307	8.69	19	14.95	155	32.95	13.88	22	5	.10	.5	.7	DLS	1.6X	3	132	7
96	APR	22	2331	51.34	19	56.94	155	31.51	32.35	43	8	.10	.8	.8	KEA	2.1X	7	239	20
96	APR	22	2346	26.01	19	20.17	155	13.05	6.83	33	4	.10	.4	.7	SF2	1.4X	3	121	5
96	APR	23	843	2.63	19	50.77	155	31.42	19.89	39	7	.08	.7	1.5	KEA	1.8X	5	192	20
96	APR	23	1545	58.71	18	55.66	155	33.72	42.73	42	7	.09	1.5	1.1	DLS	2.0X	3	258	12
96	APR	23	1709	11.84	19	20.11	155	11.25	7.20	35	6	.10	.4	.7	SF3	1.8X	5	122	4
96	APR	23	2206	18.70	19	21.49	155	19.72	30.54	55	15	.11	.6	.7	DEP	1.8X	10	47	4
96	APR	24	631	9.37	19	19.60	155	11.00	7.78	34	2	.10	.4	.8	SF3	1.4X	5	96	5
96	APR	25	936	49.92	19	19.02	155	15.54	8.08	30	5	.09	.5	.7	SF1	1.5X	3	137	4
96	APR	25	1814	43.37	20	36.90	155	52.57	6.71	21	5	.12	9.1	11.8	DIS -	2.1X	1	326	98
96	APR	26	720	59.34	19	21.96	155	5.20	7.50	46	8	.14	.5	.5	SF5	1.9X	5	148	5
96	APR	27	1420	42.56	19	21.11	155	5.71	8.26	30	2	.09	.6	.7	SF4	1.5X	5	152	5
96	APR	28	147	26.79	19	19.86	155	13.07	8.47	40	8	.10	.4	.4	SF2	1.4X	7	178	5
96	APR	28	653	35.60	19	24.52	155	17.01	2.01	19	5	.12	.3	.2	SSCL	1.7X	4	85	1
96	APR	28	1533	31.33	19	15.45	155	26.15	9.88	37	4	.10	.4	.6	LSW	1.6X	5	130	10
96	APR	28	2015	48.45	19	19.04	155	26.78	10.39	38	4	.12	.4	.7	KAO	1.6X	3	104	6
96	APR	28	2122	2.22	19	12.30	155	40.69	0.36	50	18	.12	.3	.2	LSW	2.8X	6	74	11
96	APR	29	803	2.54	19	25.57	155	28.32	8.59	41	8	.10	.3	.9	KAO	1.6X	7	41	6
96	APR	29	2255	21.78	19	30.07	155	28.50	6.23	50	16	.11	.3	1.0	MLO	2.4X	10	56	4
96	APR	29	2354	48.54	19	16.89	155	13.96	10.54	34	4	.12	.8	.6	SF2	1.7X	5	196	8
96	APR	29	2355	14.88	19	17.25	155	13.84	9.24	39	6	.09	.7	.4	SF2	2.0X	5	179	8
96	APR	30	334	43.41	19	16.96	155	14.19	10.67	32	5	.10	.8	.4	SF2	1.6X	5	181	8
96	APR	30	802	50.81	19	25.51	155	46.61	13.12	36	8	.14	.5	.4	KON	2.2X	5	86	9
96	APR	30	941	26.16	19	48.96	156	6.51	11.50	31	5	.09	1.3	.7	HUA	2.2X	3	312	32
96	MAY	1	520	1.63	19	24.23	155	17.19	1.82	15	4	.10	.3	.3	SSCL	1.2X	3	66	1
96	MAY	1	918	29.36	19	19.46	155	4.36	0.65	13	4	.12	1.1	.5	SSF #	1.7X	2	231	9
96	MAY	1	1455	17.48	19	18.39	155	9.67	7.22	28	6	.08	.7	1.0	SF3	1.6X	5	242	7
96	MAY	1	1459	38.09	19	19.19	155	7.88	7.02	35	11	.10	.8	.9	SF4	1.7X	5	218	6
96	MAY	1	1728	31.58	19	15.71	155	27.49	6.16	24	1	.13	.5	2.9	LSW	1.3X	4	115	11
96	MAY	1	1843	28.36	19	15.77	155	9.60	0.02	28	5	.18	1.6	.6	SSF #	1.7X	5	222	12
96	MAY	2	723	40.98	19	26.57	155	29.07	9.38	36	6	.11	.3	.8	KAO	1.9X	5	44	8
96	MAY	2	1433	18.19	19	42.16	155	2.99	6.35	20		.13	1.1	6.3	HILB	2.3X	3	208	30
96	MAY	2	1610	51.38	19	26.71	155	5.52	0.24	11	1	.09	.6	.9	GLN	2.8X	1	181	7
96	MAY	2	2319	34.67	19	33.62	155	41.65	10.60	36	6	.12	.5	.7	MLO	1.8X	5	92	9
96	MAY	3	2123	41.37	20	2.55	155	20.52	14.88	33	5	.09	1.3	.6	KEA	1.7X	5	281	17
96	MAY	4	504	21.07	19	27.83	155	51.42	8.61	37	6	.15	.6	.4	KON	1.7X	7	109	7
96	MAY	4	737	1.38	19	12.93	155	32.42	8.43	33	2	.15	.5	1.3	LSW	1.4X	4	126	9
96	MAY	4	1757	24.62	19	22.26	155	29.94	9.22	36	5	.11	.3	1.0	KAO	1.4X	6	63	4
96	MAY	4	1858	34.53	19	16.86	156	24.44	38.23	40	8	.10	1.1	1.6	DIS	2.5X	8	306	56
96	MAY	5	2256	15.79	19	2.02	155	26.91	39.91	38	8	.08	.9	1.2	DLS	1.6X	6	207	14

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	MAY	5	2337	48.21	19	15.36	155	15.40	0.95	4313		.11	.6	.3	SSF	1.6X	9	201	9
96	MAY	6	100	11.51	19	25.38	155	30.72	12.03	34	5	.11	.3	.8	KAO	1.5X	4	41	4
96	MAY	6	1929	7.30	19	12.93	155	10.40	9.76	22	5	.09	1.0	1.1	SF3	1.4X	3	278	18
96	MAY	6	2112	33.42	19	20.46	155	2.16	0.29	30	7	.12	1.2	.3	SSF	1.5X	3	219	11
96	MAY	6	2201	36.05	19	16.72	155	30.66	0.01	41	9	.18	.4	.3	LSW #	1.4X	8	85	12
96	MAY	7	55	43.32	20	9.70	156	33.36	23.44	4511		.09	1.1	4.5	DIS	2.4X	9	319	92
96	MAY	7	104	36.16	20	8.08	156	31.81	26.52	27	4	.09	1.9	6.1	DIS	2.3X	1	329	88
96	MAY	7	229	31.20	20	26.91	156	0.55	6.46	46	9	.10	6.1	7.8	DIS	2.4X	8	314	86
96	MAY	7	954	8.14	19	16.32	155	12.47	9.67	36	9	.10	.7	.6	SF2	1.9X	6	212	11
96	MAY	7	1922	45.25	20	30.29	155	40.63	1.76	4710		.10	6.2	2.9	DIS	1.9X	7	310	77
96	MAY	8	1920	57.72	19	25.08	155	7.50	10.01	4312		.11	.4	.4	SF4	1.5X	9	133	3
96	MAY	9	924	7.34	19	20.58	155	11.47	6.79	3812		.12	.4	.7	SF3	1.4X	8	78	4
96	MAY	9	933	16.94	19	20.84	155	11.36	9.21	30	6	.07	.4	.6	SF3	1.3X	5	85	3
96	MAY	9	1747	52.48	19	19.15	155	3.67	0.23	15	5	.08	.7	.3	SSFB	2.3X	2	209	8
96	MAY	10	1302	7.52	19	20.11	155	8.23	7.63	28	7	.08	.4	.8	SF4	1.7X	4	114	5
96	MAY	10	1550	9.83	19	13.12	155	15.39	33.29	5617		.11	.7	.8	DEP	2.5X	8	180	11
96	MAY	11	642	37.66	19	28.63	155	28.33	11.30	4310		.12	.4	.8	KAO	1.6X	7	66	6
96	MAY	11	833	5.23	19	16.52	155	12.54	9.62	38	6	.12	.4	.7	SF2	1.9X	5	166	8
96	MAY	11	905	15.29	19	58.24	155	51.28	34.27	32	5	.08	1.3	2.0	KOH	2.2X	2	277	31
96	MAY	11	2102	40.50	19	20.05	155	11.89	7.81	32	3	.09	.5	.7	SF3	1.4X	4	127	5
96	MAY	11	2301	54.77	19	21.06	155	6.68	7.69	44	9	.11	.5	.6	SF4	1.8X	5	137	4
96	MAY	12	3	32.42	19	18.24	155	12.91	9.15	4411		.13	.4	.6	SF2	1.7X	8	139	8
96	MAY	12	153	21.59	19	16.74	155	13.65	7.19	29	2	.11	.6	1.0	SF2	1.7X	4	183	1
96	MAY	12	1130	58.90	19	15.38	155	13.04	10.91	21	6	.12	.9	1.0	SF2	1.5X	3	229	10
96	MAY	12	1237	24.93	19	17.20	155	13.13	9.03	35	5	.12	.5	.9	SF2	1.5X	7	167	9
96	MAY	12	1734	34.31	19	21.92	155	8.76	3.89	25	4	.07	.4	.4	SER	1.2X	4	99	2
96	MAY	12	1741	8.69	19	21.27	155	15.42	1.38	29	9	.09	.2	.3	KOA	1.6X	5	75	2
96	MAY	12	1759	35.23	19	19.12	155	13.88	9.53	33	2	.08	.5	.6	SF2	1.4X	4	137	6
96	MAY	12	1902	19.68	19	25.02	155	38.60	2.88	24	6	.12	.3	.4	MLO	1.5X	2	75	2
96	MAY	12	2209	27.68	19	19.47	155	8.46	7.01	40	6	.10	.4	.6	SF4	1.5X	5	109	4
96	MAY	12	2235	20.82	19	17.15	155	13.02	4.29	17	2	.06	.6	.7	SSF	1.4X	3	166	1
96	MAY	13	25	0.19	19	26.64	155	14.55	32.11	5819		.11	.5	.5	DEP	2.5X	10	93	4
96	MAY	13	1013	39.69	19	20.36	155	16.40	33.52	5315		.12	.6	.5	DEP	2.0X	7	82	2
96	MAY	13	1024	27.34	19	53.99	155	24.20	28.55	42	9	.10	.8	.9	KEA	1.8X	7	216	6
96	MAY	13	1100	34.74	19	21.12	155	4.44	6.89	38	7	.15	.6	.8	SF5	1.6X	6	169	7
96	MAY	13	1549	35.38	19	16.59	155	13.00	10.71	3810		.11	.5	.9	SF2	1.6X	9	163	9
96	MAY	13	1550	16.72	19	16.64	155	13.21	10.86	4210		.11	.5	.8	SF2	1.7X	8	162	9
96	MAY	13	1552	5.58	19	16.93	155	13.08	11.77	32	5	.11	.6	.6	SF2	1.4X	5	158	9
96	MAY	13	1620	15.97	19	16.37	155	12.98	10.84	33	9	.09	.5	.7	SF2	1.4X	7	167	9
96	MAY	13	2027	38.65	19	16.87	155	13.67	9.75	4814		.12	.4	.6	SF2	1.7X	8	158	9
96	MAY	13	2037	53.14	19	17.15	155	12.97	10.88	33	6	.11	.5	.6	SF2	1.6X	3	155	9
96	MAY	15	2021	50.96	19	7.12	155	37.56	5.31	34	1	.14	.5	2.1	LSW	1.6X	5	121	14
96	MAY	16	459	4.60	19	26.71	155	50.01	10.76	5014		.16	.5	.3	KON	2.0X	10	107	10
96	MAY	17	127	1.16	20	9.95	155	57.40	29.27	5314		.11	.8	2.7	KOH	3.1X	7	299	54
96	MAY	17	230	15.07	19	50.73	155	31.33	20.71	32	5	.10	.8	1.3	KEA	1.8X	2	192	10

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	MAY	18	212	11.98	19	18.85	155	13.10	9.93	5517		.12	.3	.4	SF2	2.3X	9	130	7
96	MAY	18	604	9.58	19	9.99	155	36.08	0.13	5315		.15	.4	.2	LSW	2.1X	10	106	14
96	MAY	18	1158	37.17	19	59.67	156	23.72	6.79	29	3	.12	6.6	9.1	DIS	2.1X	3	310	67
96	MAY	19	538	46.65	19	25.26	155	24.95	9.82	42	6	.10	.3	.8	KAO	1.5X	6	41	7
96	MAY	19	730	29.87	19	27.27	155	25.98	6.54	44	9	.14	.4	1.2	KAO	1.6X	8	63	7
96	MAY	19	1404	43.44	19	19.34	155	9.95	7.76	38	8	.10	.4	.6	SF3	1.6X	7	100	5
96	MAY	20	831	2.68	19	23.72	155	28.52	10.05	38	4	.12	.4	1.1	KAO	1.6X	5	46	3
96	MAY	20	1621	51.89	18	48.17	155	13.51	9.91	29	6	.10	1.0	1.2	LOI	2.1X	3	284	47
96	MAY	21	2020	1.52	18	53.84	155	14.64	11.99	22	4	.12	1.1	1.0	LOI	1.7X	2	267	37
96	MAY	21	2046	30.19	19	44.65	155	30.73	27.70	4310		.07	.5	.8	KEA	1.9X	7	147	7
96	MAY	21	2203	13.48	19	23.02	155	14.83	3.58	4111		.11	.3	.3	SEC	2.0X	7	61	2
96	MAY	22	155	2.99	19	19.80	155	11.95	9.27	36	5	.10	.5	.6	SF3	1.7X	5	123	6
96	MAY	22	412	33.77	19	13.64	155	30.91	5.26	37	3	.13	.5	1.9	LSW	1.6X	10	108	9
96	MAY	22	434	0.92	20	8.08	155	47.22	20.27	40	6	.09	1.3	5.4	KOH	2.3X	5	289	50
96	MAY	22	1328	19.91	19	24.75	155	37.81	2.88	23	7	.15	.4	.4	MLO	1.8X	2	95	1
96	MAY	22	2111	48.15	19	24.38	155	17.10	2.54	14	4	.11	.4	.3	SSCL	1.6X	4	73	1
96	MAY	22	2138	14.73	19	28.15	155	48.99	9.02	4411		.15	.6	.3	KON	1.4X	9	124	7
96	MAY	22	2142	16.79	19	21.26	155	15.56	2.09	40	9	.09	.2	.3	KOA	1.9X	7	68	2
96	MAY	23	1528	32.62	19	23.12	155	14.75	3.28	25	8	.09	.3	.3	SEC	1.9X	6	74	2
96	MAY	23	1624	6.49	19	53.23	155	29.74	24.21	34	7	.09	.7	1.3	KEA	1.8X	7	209	12
96	MAY	24	120	53.37	19	28.19	155	27.06	9.84	5720		.12	.3	.6	KAO	2.4X	10	66	7
96	MAY	24	930	7.26	19	26.22	155	30.24	9.66	42	7	.11	.3	.9	KAO	1.6X	7	41	8
96	MAY	25	50	47.17	19	25.80	155	20.00	7.97	5115		.11	.3	.5	KAO	2.2X	9	86	4
96	MAY	25	2307	22.69	20	8.16	155	44.98	16.45	40	8	.12	1.8	14.0	KOH -	1.9X	6	288	50
96	MAY	25	2320	25.19	19	11.18	155	38.35	0.06	46	9	.14	.3	.2	LSW	1.5X	7	88	14
96	MAY	26	448	13.24	19	20.62	155	12.80	7.73	5015		.13	.4	.5	SF2	1.9X	10	162	4
96	MAY	26	533	49.49	19	50.59	155	23.29	20.78	38	6	.10	.8	1.1	KEA	1.8X	6	175	7
96	MAY	27	652	14.13	19	19.81	155	13.36	8.76	4613		.12	.4	.5	SF2	1.4X	10	119	5
96	MAY	27	1038	7.22	19	23.96	155	17.46	15.79	4513		.10	.4	.3	DEP	1.9X	9	52	1
96	MAY	27	1726	24.82	18	54.36	155	10.40	47.26	5013		.10	1.0	1.6	LOI	2.3X	9	261	41
96	MAY	27	1829	58.65	19	30.43	155	28.29	5.46	29	5	.10	.3	1.2	MLO	1.4X	5	77	3
96	MAY	27	2121	31.70	19	21.22	155	7.87	7.94	4711		.11	.4	.4	SF4	1.8X	9	117	4
96	MAY	29	818	0.32	20	40.09	156	35.23	6.69	31	4	.14	9.6	12.1	DIS -	2.5X	2	329	134
96	MAY	29	1841	10.48	19	19.76	155	4.09	0.01	17	4	.10	.6	.4	SSFB#	2.2X	2	190	8
96	MAY	29	1908	40.02	19	19.74	155	4.99	0.00	12	4	.26	.9	.6	SSFB#	1.4X	1	181	7
96	MAY	29	1908	58.70	19	19.59	155	3.81	0.01	16	5	.15	.7	.4	SSFB#	2.1X	2	196	8
96	MAY	30	345	15.09	19	22.22	155	4.46	7.97	32	5	.10	.5	.4	SF5	1.6X	3	154	6
96	MAY	30	1019	32.30	19	9.50	155	33.18	43.01	17	4	.12	1.6	.9	DLS	1.7X	1	237	9
96	MAY	30	1342	2.23	19	21.59	155	4.82	7.18	23	4	.10	.6	1.0	SF5	1.6X	3	158	6
96	MAY	31	125	16.03	19	21.95	155	8.88	3.76	19	4	.07	.3	.4	SER	1.3X	3	102	2
96	MAY	31	745	12.01	19	22.94	155	14.83	2.99	22	8	.09	.3	.3	SEC	1.7X	2	71	2
96	MAY	31	906	12.33	19	23.37	155	14.84	2.91	18	5	.06	.3	.4	SEC	1.5X	4	72	3
96	JUN	1	237	14.28	19	23.70	155	16.93	3.38	36	8	.11	.3	.2	SSC	1.6X	5	59	1
96	JUN	1	303	36.97	20	8.23	156	14.39	29.34	49	8	.11	1.2	2.8	KOH	2.2X	8	308	65
96	JUN	1	1200	10.35	19	22.85	155	14.48	3.74	2915		.09	.3	.3	SEC	1.5X	4	81	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUN	1	1537	41.92	19	23.36	155	14.68	3.96	4512		.11	.3	.4	SEC	1.8X	4	69	3
96	JUN	1	1858	33.18	19	21.71	155	12.92	2.50	2914		.10	.3	.3	SER	1.1X	4	82	2
96	JUN	1	1918	20.64	19	21.51	155	12.67	2.36	32	9	.10	.3	.3	SER	1.7X	6	89	2
96	JUN	1	1918	44.58	19	21.48	155	12.65	2.61	23	9	.09	.4	.3	SER	1.6X	5	107	2
96	JUN	2	955	55.42	20	8.30	155	47.84	10.85	32	8	.09	3.1	4.2	KOH	1.8X	5	289	50
96	JUN	2	1955	56.41	19	28.70	155	26.73	9.25	4712		.10	.3	.8	KAO	1.7X	8	75	6
96	JUN	3	149	48.75	19	23.51	155	15.22	4.07	5113		.12	.3	.3	SECF	2.2X	5	46	2
96	JUN	3	255	22.69	19	24.96	155	38.67	2.57	5114		.12	.3	.4	MLO	2.6X	12	106	2
96	JUN	3	724	55.97	19	18.71	155	12.89	10.22	37	6	.10	.5	.7	SF2	1.2X	7	132	7
96	JUN	3	921	18.93	19	23.10	155	14.68	3.12	18	6	.07	.3	.4	SEC	1.8X	2	110	2
96	JUN	3	1133	9.98	19	21.55	155	4.50	8.87	21	7	.09	.6	.8	SF5	.7D	1	162	6
96	JUN	3	1457	16.71	19	46.33	154	56.74	0.01	24	6	.17	2.7	.9	HILB#	2.4X	4	286	44
96	JUN	3	1658	5.38	19	23.12	155	14.80	3.69	3911		.12	.3	.3	SEC	2.0X	6	67	2
96	JUN	3	1800	3.16	19	20.48	155	12.96	9.87	33	5	.08	.4	.6	SF2	1.2X	6	65	4
96	JUN	3	1908	58.81	19	23.60	155	17.00	2.92	33	9	.11	.3	.2	SSC	2.1X	4	52	0
96	JUN	3	2130	38.91	19	21.46	155	12.68	2.69	20	5	.07	.4	.5	SER	1.2X	4	87	2
96	JUN	3	2220	48.10	19	21.55	155	12.84	2.85	23	8	.07	.3	.4	SER	1.1X	5	82	2
96	JUN	4	722	10.42	19	23.46	155	15.31	3.31	38	9	.12	.3	.3	SEC	2.1X	7	82	2
96	JUN	4	2157	51.16	19	20.40	155	13.22	5.99	4714		.10	.3	.6	SF2	1.3X	10	111	4
96	JUN	5	436	2.51	19	18.09	155	16.11	7.92	4912		.11	.3	.6	SF1	1.7X	11	120	4
96	JUN	5	541	36.14	19	19.47	155	15.55	8.62	37	3	.10	.5	.5	SF1	1.8X	4	124	3
96	JUN	5	1146	28.89	19	18.10	155	30.25	9.14	22	3	.14	.5	1.4	LSW	1.2X	1	118	9
96	JUN	5	1626	49.83	19	23.47	155	15.05	3.29	27	8	.07	.3	.3	SEC	2.0X	4	80	2
96	JUN	5	2119	44.73	19	18.96	155	49.09	9.74	32	5	.11	.5	.5	KON	1.5X	4	148	8
96	JUN	6	119	50.31	19	25.70	155	20.24	8.24	29	4	.12	.4	.8	KAO	1.6X	4	96	4
96	JUN	6	931	30.89	19	15.41	155	26.76	8.87	32	5	.11	.3	.7	LSW	1.3X	2	79	5
96	JUN	6	1148	39.87	19	19.86	155	24.79	10.41	38	4	.10	.4	.4	SWR	1.5X	3	71	3
96	JUN	6	1710	28.10	19	23.05	155	14.79	3.15	19	6	.07	.3	.3	SEC	1.5X	2	87	2
96	JUN	6	2144	2.97	19	29.19	155	24.98	10.03	44	7	.13	.4	.7	KAO	2.7X	4	50	7
96	JUN	7	241	14.05	19	17.84	155	23.51	6.41	32	4	.10	.4	1.1	SWR	1.9X	4	94	4
96	JUN	7	548	22.76	19	32.71	155	50.68	11.06	21	4	.14	.8	.6	KON	1.9X	2	176	9
96	JUN	7	1404	29.94	19	23.11	155	14.75	3.43	21	6	.08	.3	.3	SEC	1.9X	3	74	2
96	JUN	9	1238	37.57	18	47.11	155	13.80	10.52	33	2	.09	2.0	1.1	LOI	3.0X	3	302	48
96	JUN	9	1313	32.15	19	25.08	155	37.74	2.68	33	6	.12	.3	.4	MLO	2.3X	2	55	1
96	JUN	9	1837	57.38	19	20.43	155	13.30	9.39	33	3	.10	.6	.6	SF2	1.9X	5	123	4
96	JUN	9	2337	10.71	19	50.84	155	31.36	19.59	46	6	.11	.8	1.6	KEAF	2.6X	4	193	10
96	JUN	10	8	53.35	19	56.49	156	52.03	30.90	32	6	.11	2.0	4.7	DIS	2.4X	2	322	111
96	JUN	10	122	11.87	19	50.57	155	31.37	20.27	41	6	.10	.8	1.2	KEA	2.1X	4	191	10
96	JUN	10	901	35.62	19	19.78	155	11.82	8.72	43	9	.10	.4	.4	SF3	2.1X	3	122	5
96	JUN	11	37	55.61	19	23.06	155	14.78	3.56	20	4	.09	.3	.4	SEC	1.9X	3	63	2
96	JUN	11	218	58.44	19	19.17	155	12.72	5.71	32	4	.13	.5	1.4	SF2	1.3X	2	135	6
96	JUN	12	33	49.90	19	25.88	155	23.90	12.25	36	6	.11	.4	.8	KAO	1.7X	5	52	6
96	JUN	12	534	2.33	19	23.93	155	29.91	12.97	34	4	.10	.4	.7	KAO	1.4X	3	46	5
96	JUN	12	542	40.82	19	20.69	155	13.10	9.26	36	4	.10	.5	.3	SF2	2.0X	4	115	4
96	JUN	12	700	3.87	19	4.51	155	23.45	44.70	32	4	.10	1.3	.9	LOIT	2.5X	3	203	12

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUN	12	700	51.83	19	7.30	155	26.13	44.83	31	3	.09	1.1	1.3	DLST	2.6X	3	179	5
96	JUN	12	824	35.61	19	25.35	155	19.50	6.61	35	8	.11	.4	.7	KAO	1.9X	6	73	3
96	JUN	12	915	24.17	20	54.85	156	21.75	16.69	38	8	.11	1.8	15.5	DIS -	2.8X	3	329	146
96	JUN	12	1927	12.56	19	13.31	156	23.47	35.20	32	3	.10	2.2	1.9	DIS	2.2X	4	306	55
96	JUN	13	1324	26.11	19	22.69	155	27.11	11.04	43	8	.11	.4	.5	KAO	1.7X	5	47	1
96	JUN	13	1940	49.63	19	29.72	155	24.75	12.53	37	6	.11	.4	.4	KAO	1.6X	4	77	3
96	JUN	14	11	23.42	18	55.79	155	9.68	49.57	57	11	.11	.9	1.4	LOIF	4.8D	1	249	40
96	JUN	14	1742	1.48	19	23.70	155	12.77	34.55	41	6	.11	.6	.8	DEP	1.9X	6	42	2
96	JUN	15	328	52.18	19	25.87	155	24.66	11.31	32	4	.11	.4	.9	KAO	1.4X	4	52	8
96	JUN	15	2128	3.11	19	14.14	155	28.61	0.13	31	4	.13	.3	.6	LSW #	1.6X	3	84	8
96	JUN	16	302	58.51	20	5.70	155	31.79	26.84	38	6	.10	1.2	1.8	KEA	1.9X	4	281	30
96	JUN	16	1634	46.71	19	25.64	155	18.79	7.02	37	8	.12	.4	.6	INT	2.3X	5	59	2
96	JUN	16	1654	19.46	19	25.96	155	18.79	7.08	23	5	.09	.4	.7	INT	1.6X	4	90	2
96	JUN	16	1659	52.36	19	25.67	155	19.03	6.70	26	5	.11	.4	.7	KAO	1.6X	3	85	3
96	JUN	17	231	53.59	19	17.38	155	0.87	10.66	10	4	.04	1.3	2.0	SF5B	1.5X	2	317	12
96	JUN	17	1150	25.86	19	26.47	154	54.34	4.83	20	4	.14	1.2	.8	SLE	1.5X	2	171	2
96	JUN	17	1419	13.59	19	43.53	155	4.31	41.90	47	8	.10	.9	1.5	HIL	2.5X	4	192	34
96	JUN	18	201	40.44	19	24.97	154	58.79	42.59	28	7	.06	1.8	.8	LER	2.3X	3	158	0
96	JUN	18	308	25.46	19	24.79	155	17.73	1.89	14	2	.14	.3	.3	SNCL	1.6X	2	75	1
96	JUN	18	412	43.19	19	19.55	155	11.80	8.80	39	5	.12	.5	.6	SF3	2.2X	3	92	6
96	JUN	18	1541	45.34	19	16.10	155	28.47	11.30	22	4	.14	.5	1.5	LSW	1.8X	2	87	8
96	JUN	21	317	12.74	19	29.30	155	42.87	9.08	46	10	.13	.4	.7	MLO	1.9X	6	69	6
96	JUN	21	1719	39.61	19	23.02	155	14.68	3.73	33	7	.09	.3	.3	SEC	2.3X	4	76	2
96	JUN	21	1720	29.53	19	22.99	155	14.56	3.94	37	7	.11	.3	.4	SEC	2.5X	2	65	3
96	JUN	21	2206	42.15	19	26.42	155	29.39	13.22	34	4	.10	.4	.9	DML	1.5X	5	43	7
96	JUN	21	2252	39.59	19	22.95	155	14.80	3.21	22	7	.08	.3	.3	SEC	1.7X	4	72	2
96	JUN	22	619	40.60	19	22.23	155	30.08	10.44	40	4	.07	.3	.7	KAO	1.8X	4	53	4
96	JUN	22	1152	31.20	18	47.26	156	41.10	29.55	32	7	.10	1.8	3.8	DIS	2.5X	2	323	101
96	JUN	22	2003	20.73	19	20.83	155	30.38	12.20	36	6	.11	.3	.8	KAO	1.4X	4	60	6
96	JUN	22	2347	45.07	19	19.26	155	4.21	0.02	18	4	.16	.7	.4	SSFB#	1.3X	2	186	7
96	JUN	22	2348	5.07	19	19.60	155	4.50	0.09	14	4	.06	.5	.3	SSFB	1.8X	2	188	7
96	JUN	22	2351	46.10	19	19.65	155	4.43	0.02	16	4	.11	.5	.4	SSFB#	1.7X	2	189	7
96	JUN	22	2357	0.06	19	19.11	155	4.30	0.00	22	5	.15	.6	.4	SSFB#	1.5X	2	188	7
96	JUN	23	0	27.58	19	19.32	155	4.38	0.03	19	4	.12	.6	.3	SSFB#	1.5X	2	184	7
96	JUN	23	0	57.94	19	19.39	155	4.35	0.00	17	6	.11	.6	.3	SSFB#	2.1X	2	194	7
96	JUN	23	4	53.04	19	19.07	155	4.09	10.86	14	3	.14	.9	1.2	SF5B	1.8X	1	201	7
96	JUN	23	5	4.75	19	19.63	155	4.56	0.03	24	6	.10	.4	.3	SSFB#	2.0X	2	177	7
96	JUN	23	1507	41.94	19	9.87	155	29.00	33.77	43	6	.07	.6	1.0	DLS	2.1X	2	116	2
96	JUN	23	2319	16.71	19	16.19	155	27.49	10.06	42	6	.14	.4	.6	LSW	2.3X	2	65	7
96	JUN	24	1118	16.92	19	18.72	155	11.74	5.30	28	7	.09	.3	1.3	SF3	1.6X	4	115	4
96	JUN	24	1211	59.08	20	40.19	155	56.47	7.06	23	8	.14	9.0	11.4	DIS -	2.3X	1	327	107
96	JUN	24	1341	32.43	19	23.54	155	14.95	3.09	18	7	.08	.3	.5	SEC	1.6X	3	98	2
96	JUN	24	1524	46.34	19	18.91	155	29.05	50.04	50	11	.11	.7	.9	DLS	2.8X	6	40	7
96	JUN	25	628	45.71	19	59.46	156	11.83	44.33	30	6	.10	1.7	1.9	KOH	2.2X	3	300	50
96	JUN	25	703	9.24	19	48.13	155	55.45	30.64	45	8	.12	1.0	1.0	HUA	2.3X	4	262	16

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUN	25	1823	38.63	19	54.94	155	11.94	6.60	18	3	.14	1.0	1.0	KEA	1.5X	3	282	15
96	JUN	26	822	2.35	19	21.31	155	13.19	9.42	40	7	.11	.4	.4	SF2	2.2X	4	102	2
96	JUN	26	1553	46.95	18	45.87	155	14.22	18.71	27	3	.10	1.7	12.0	LOI -	2.3X	2	314	50
96	JUN	26	2304	50.33	19	20.21	155	7.47	7.40	35	5	.09	.5	.4	SF4	1.4X	3	131	5
96	JUN	27	337	28.81	19	26.29	155	20.36	9.03	41	7	.11	.3	.6	KAO	2.3X	5	79	2
96	JUN	28	1246	52.71	19	25.00	155	38.87	3.13	19	4	.09	.5	.4	MLO	1.1X	1	112	2
96	JUN	28	1520	36.01	19	19.76	155	8.55	9.44	40	4	.12	.6	.5	SF4	2.4X	2	102	5
96	JUN	29	404	16.68	19	22.06	155	4.80	7.17	29	3	.13	.5	.7	SF5	1.6X	2	152	6
96	JUN	29	1216	45.42	18	55.69	155	15.42	12.33	18	4	.12	1.5	1.0	LOI	1.8X	2	296	34
96	JUN	29	1232	5.26	19	15.77	155	13.79	34.33	51	10	.10	.7	.9	DEPF	4.4D	1	162	2
96	JUN	29	2057	42.15	19	20.32	155	7.09	7.66	30	6	.09	.6	.4	SF4	1.5X	2	206	6
96	JUN	30	628	7.83	19	24.88	155	19.37	6.30	34	7	.11	.3	.8	KAO	2.1X	4	60	2
96	JUN	30	633	30.68	19	24.76	155	19.49	5.86	24	6	.09	.4	.8	KAO	1.8X	5	95	2
96	JUN	30	2119	2.99	19	19.58	155	7.53	8.10	31	4	.08	.5	.6	SF4	1.9X	3	135	4
96	JUN	30	2121	35.72	19	19.67	155	7.65	9.04	40	6	.10	.6	.4	SF4	2.5X	3	125	4
96	JUN	30	2151	5.95	19	13.44	155	19.89	30.34	49	6	.11	.7	.9	DEP	2.5X	4	163	7
96	JUL	1	711	43.51	19	27.18	155	14.71	31.35	47	10	.10	.6	.7	DEP	2.1X	4	100	4
96	JUL	1	1509	35.37	19	18.73	155	13.54	7.84	29	6	.07	.4	.7	SF2	1.9X	3	84	3
96	JUL	1	1608	34.48	19	32.23	156	1.97	7.41	25	8	.16	.9	.9	KON	2.1X	1	260	13
96	JUL	2	257	48.75	19	20.11	155	30.83	9.43	38	5	.10	.3	1.0	KAO	2.0X	3	64	7
96	JUL	2	339	17.51	19	14.88	155	22.52	3.57	28	2	.10	.5	.7	SWR	1.7X	2	148	3
96	JUL	2	908	3.11	19	15.29	155	22.67	2.97	15		.08	.5	.7	SWR	1.5X	2	143	3
96	JUL	2	909	14.68	19	15.01	155	22.20	2.24	26	2	.13	.6	.8	SWR	1.8X	3	149	3
96	JUL	2	2130	41.30	19	19.76	155	9.04	7.43	43	8	.12	.4	.6	SF4	2.2X	4	95	4
96	JUL	3	848	26.81	19	17.80	155	14.15	6.54	31	7	.09	.5	.9	SF2	1.3X	2	133	2
96	JUL	4	1901	28.68	19	19.89	155	6.94	7.07	28	3	.10	.5	.8	SF4	1.7X	3	138	5
96	JUL	5	5	6.70	19	22.24	155	26.96	10.78	40	8	.11	.4	.7	KAO	1.6X	3	73	1
96	JUL	5	1749	32.64	19	19.89	155	7.85	8.39	29	6	.09	.6	.6	SF4	2.2X	4	119	5
96	JUL	5	1820	43.97	19	19.71	155	7.62	8.46	26	4	.09	.7	.7	SF4	1.5X	3	188	4
96	JUL	5	1940	9.01	19	21.90	155	13.14	3.07	17	3	.05	.4	.4	SER	1.8X	3	98	1
96	JUL	5	2142	41.54	19	27.62	154	52.92	9.23	31	2	.12	1.3	.4	LER	1.7X	3	138	3
96	JUL	6	123	44.42	19	16.06	155	32.09	8.29	35	4	.17	.5	1.2	LSW	1.9X	2	95	9
96	JUL	6	130	55.89	19	19.53	155	9.00	6.05	29	5	.09	.4	1.1	SF4	1.5X	2	97	4
96	JUL	6	545	35.20	19	19.65	155	8.49	7.73	38	6	.10	.4	.6	SF4	1.9X	4	108	4
96	JUL	6	942	55.72	19	26.94	155	30.07	8.59	31	6	.12	.3	1.0	KAO	1.7X	4	67	9
96	JUL	6	1911	30.16	19	21.20	155	13.14	9.04	39	7	.11	.4	.4	SF2	2.1X	5	110	3
96	JUL	6	2031	4.76	19	17.17	155	12.90	8.00	30	5	.11	.5	.8	SF2	1.6X	3	168	1
96	JUL	7	505	53.43	19	22.94	155	14.85	3.01	17	3	.08	.3	.4	SEC	1.5X	3	71	2
96	JUL	8	1301	43.26	19	24.01	155	15.77	3.38	25	7	.08	.3	.3	SEC	2.1X	2	76	1
96	JUL	8	2008	7.37	19	27.38	155	37.52	9.40	16	3	.14	.7	.8	MLO	1.6X	1	93	2
96	JUL	9	321	49.55	19	17.49	155	23.01	3.58	22	4	.09	.3	1.0	SWR	1.3X	2	105	5
96	JUL	9	1131	36.10	19	20.79	155	12.72	7.44	40	6	.13	.4	.5	SF2	2.1X	4	161	3
96	JUL	9	1650	3.63	19	20.18	155	11.50	7.66	30	6	.08	.4	.7	SF3	1.7X	4	81	5
96	JUL	9	1943	18.45	19	21.53	155	2.41	2.73	37	7	.11	.6	1.1	SSF	1.9X	3	172	9
96	JUL	9	2007	26.90	19	17.55	155	12.50	10.48	34	6	.10	.6	.7	SF2	1.6X	4	172	8

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	10	33	51.40	19	27.91	156	4.06	43.41	42	5	.10	1.5	.8	KON	2.1X	4	267	16
96	JUL	10	1519	43.67	19	17.38	155	31.04	7.73	34	4	.21	.5	2.1	LSW	1.5X	2	82	11
96	JUL	10	1754	19.18	18	50.31	154	57.48	9.30	37	6	.16	1.6	2.6	DIS	1.8X	2	295	53
96	JUL	11	1030	54.50	19	25.43	155	19.28	7.17	48	11	.12	.3	.6	KAO	2.5X	5	48	3
96	JUL	11	1257	17.10	18	43.77	155	13.39	7.26	30	7	.12	1.3	1.1	LOI	2.4X	3	302	54
96	JUL	11	2328	41.25	19	18.64	155	46.47	9.17	29	3	.12	.5	.7	KON	1.6X	3	106	11
96	JUL	12	322	50.73	19	14.75	155	27.32	9.59	33	7	.12	.3	.7	LSW	1.7X	3	89	6
96	JUL	12	347	22.35	19	25.39	155	16.64	12.10	19	6	.08	.7	.5	INTL	2.5X	4	109	1
96	JUL	12	547	5.04	19	25.25	155	16.31	15.35	13	3	.07	1.3	.9	DEPL	2.6X	3	166	1
96	JUL	12	743	10.55	19	25.13	155	16.49	13.19	18	5	.10	1.0	.7	DEPL	2.4X	3	105	1
96	JUL	12	1102	25.80	19	28.76	155	18.22	11.83	13	4	.09	2.5	.9	GLNL	2.4X	3	287	6
96	JUL	12	1223	50.01	19	24.51	155	15.99	11.92	15	5	.12	1.5	1.0	INTL	2.0X	2	138	2
96	JUL	12	1328	20.72	19	24.40	155	17.51	9.93	15	4	.10	1.4	.8	INTL	2.0X	1	74	1
96	JUL	12	1418	5.08	19	54.71	155	34.99	25.49	50	9	.10	.9	1.5	KEA	2.9X	5	227	20
96	JUL	12	1501	40.97	19	24.72	155	17.58	11.63	15	3	.07	.9	1.0	INTL	2.5X	3	71	1
96	JUL	12	1529	33.72	19	24.59	155	16.79	11.19	15	4	.14	1.0	1.0	INTL	2.3X	4	119	1
96	JUL	12	1551	40.19	19	24.61	155	17.77	13.04	17	5	.08	1.7	.7	DEPL	2.3X	3	74	1
96	JUL	12	1603	41.89	19	23.23	155	18.27	7.73	9	2	.12	1.1	1.9	INTL	1.4X	1	168	3
96	JUL	12	1617	18.76	19	24.72	155	16.89	10.72	14	4	.06	.9	.8	INTL	1.8X	2	88	0
96	JUL	12	1626	24.87	19	25.17	155	17.10	12.49	13	3	.06	1.1	1.0	INTL	1.8X	2	154	1
96	JUL	12	1636	7.28	19	24.05	155	16.09	11.59	14	4	.13	1.7	.9	INTL	1.7X	2	114	1
96	JUL	12	1644	47.54	19	24.11	155	15.86	11.82	16	4	.12	1.5	.9	INTL	2.0X	2	114	1
96	JUL	12	1700	55.92	19	24.68	155	14.89	12.36	13	3	.12	1.6	.7	INTL	2.2X	3	231	3
96	JUL	12	1711	21.91	19	24.07	155	17.08	10.50	16	4	.07	.9	.9	INTL	1.8X	2	71	1
96	JUL	12	2039	26.40	19	19.88	155	8.43	7.59	33	7	.08	.4	.5	SF4	1.9X	3	109	5
96	JUL	12	2312	45.71	19	20.06	155	8.38	7.36	44	8	.11	.4	.4	SF4	2.4X	4	110	5
96	JUL	13	220	15.22	19	16.95	155	30.09	33.36	46	6	.07	.5	1.0	DLS	2.3X	3	50	11
96	JUL	13	1435	1.29	18	49.05	155	14.95	38.79	45	4	.10	1.5	2.0	LOI	2.6X	3	275	44
96	JUL	13	1642	34.99	19	19.78	155	7.67	8.01	32	5	.07	.6	.6	SF4	1.6X	2	187	5
96	JUL	14	15	21.17	19	28.31	155	26.88	6.60	45	9	.15	.4	.8	KAO	2.2X	6	67	7
96	JUL	14	1207	19.46	19	21.56	155	30.39	10.35	32	5	.07	.3	.8	KAO	1.6X	3	56	5
96	JUL	14	2200	34.33	19	19.54	155	13.62	8.33	39	6	.12	.4	.6	SF2	1.8X	3	64	5
96	JUL	16	55	12.36	19	18.89	155	13.45	8.74	37	5	.13	.5	.6	SF2	1.9X	4	130	7
96	JUL	16	1041	26.66	19	25.17	155	39.00	2.46	19	4	.08	.6	.4	MLO	1.9X	1	192	3
96	JUL	16	1750	33.31	19	26.28	155	20.10	2.90	38	9	.12	.3	.4	KAO	2.2X	4	65	3
96	JUL	16	1847	50.94	19	26.03	155	20.60	2.60	23	7	.08	.3	.4	KAO	1.6X	1	67	3
96	JUL	16	2154	37.48	18	48.00	155	13.50	8.30	20	5	.12	1.0	.9	LOI	2.4X	1	295	47
96	JUL	16	2204	1.65	18	42.76	155	12.72	7.85	26	6	.10	1.5	1.5	LOI	2.7X	3	318	56
96	JUL	16	2222	52.13	18	56.53	155	18.62	14.59	24	4	.12	1.2	.8	LOI	1.6X	2	292	29
96	JUL	16	2239	11.77	18	48.53	155	16.79	11.54	39	6	.12	1.2	.8	LOI	2.3X	3	265	43
96	JUL	16	2240	24.60	18	43.64	155	15.76	27.63	17	6	.10	2.3	5.8	LOI	2.4X	1	333	52
96	JUL	16	2243	30.83	18	46.68	155	16.40	9.37	38	5	.12	1.6	1.0	LOI	2.4X	3	283	47
96	JUL	16	2249	0.00	18	49.76	155	19.26	15.35	19	5	.11	5.3	9.9	LOI -	1.9X	1	306	39
96	JUL	16	2253	11.26	18	40.67	155	15.89	18.94	26	5	.11	1.4	13.7	LOI -	2.0X	2	319	57
96	JUL	16	2255	46.12	18	51.27	155	17.31	16.54	29		.12	4.0	16.0	LOI -	2.0X	2	288	38

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	16	2257	47.86	18	44.33	155	15.24	9.57	39	9	.11	.9	1.3	LOI	2.8X	3	291	51
96	JUL	16	2301	41.58	18	41.67	155	15.47	10.61	28	7	.13	3.5	4.7	LOI	2.1X	2	296	53
96	JUL	16	2314	4.54	18	47.57	155	18.06	16.82	14	3	.09	1.7	14.1	LOI -	2.0X	1	299	44
96	JUL	16	2319	33.19	18	50.07	155	15.85	11.76	35	1	.11	1.8	1.5	LOI	2.6X	2	260	42
96	JUL	16	2324	44.04	18	52.07	155	14.22	12.00	38	7	.14	1.0	1.2	LOI	2.4X	2	255	40
96	JUL	16	2327	14.19	18	42.60	155	14.33	28.79	28	7	.13	1.6	5.2	LOI	2.2X	1	303	55
96	JUL	16	2330	33.96	18	43.75	155	15.70	21.26	19	4	.11	1.6	11.0	LOI -	1.9X	1	315	52
96	JUL	16	2332	13.39	18	50.46	155	16.02	11.91	35	6	.13	1.3	.8	LOI	2.0X	2	263	41
96	JUL	16	2333	45.18	18	44.32	155	12.20	7.55	17	4	.12	1.4	1.2	LOI	1.9X	2	305	54
96	JUL	16	2343	16.01	18	44.43	155	17.78	9.65	27	7	.11	1.7	1.8	LOI	2.2X	2	303	50
96	JUL	16	2350	9.59	18	49.75	155	17.30	13.24	46	9	.12	1.5	2.7	LOI	3.1X	4	273	41
96	JUL	17	0	19.44	18	42.70	155	13.04	7.16	29	8	.12	1.3	1.4	LOI	2.4X	1	287	56
96	JUL	17	2	8.08	18	45.06	155	15.95	16.59	23	3	.12	1.6	15.2	LOI -	2.4X	2	287	50
96	JUL	17	39	13.97	18	47.65	155	16.50	11.16	42	5	.12	1.0	1.2	LOI	3.0X	3	278	45
96	JUL	17	40	31.13	18	47.83	155	15.23	11.52	27	9	.12	1.0	1.1	LOI	2.7X	1	283	46
96	JUL	17	50	19.08	18	44.44	155	9.68	7.08	18	5	.14	1.7	1.2	LOI	.9D	1	304	56
96	JUL	17	53	54.65	18	45.21	155	12.35	8.95	11	2	.10	1.9	1.7	LOI	2.0X	1	309	52
96	JUL	17	57	24.47	18	42.40	155	15.10	7.76	17	4	.09	2.1	1.7	LOI	.9D	1	306	55
96	JUL	17	105	29.89	18	51.58	155	13.52	12.86	43	6	.12	1.4	2.0	LOI	3.0X	3	270	42
96	JUL	17	114	52.89	18	36.69	155	11.97	29.57	10	3	.09	3.0	8.8	DIS	2.3X	1	312	64
96	JUL	17	128	51.84	18	47.76	155	15.32	10.31	34	5	.11	1.5	1.1	LOI	2.5X	2	274	46
96	JUL	17	133	40.02	18	46.10	155	15.47	36.69	21	7	.13	1.2	3.1	LOI	2.2X	1	291	48
96	JUL	17	225	44.70	18	49.16	155	17.28	12.02	36	3	.13	1.4	1.3	LOI	2.4X	2	277	42
96	JUL	17	229	58.16	18	40.97	155	11.97	6.55	15	3	.10	2.1	2.0	LOI	2.3X	1	294	60
96	JUL	17	258	33.89	18	48.55	155	15.84	21.19	18	2	.08	1.8	7.9	LOI	2.6X	1	280	44
96	JUL	17	307	14.28	18	55.33	155	17.55	25.14	11	3	.13	1.7	3.9	LOI	2.0X	1	307	32
96	JUL	17	320	15.32	18	52.21	155	11.99	10.86	31	3	.13	1.3	.9	LOI	2.4X	1	269	42
96	JUL	17	344	51.24	18	55.12	155	15.95	25.56	14	1	.10	2.1	3.6	LOI	2.2X	1	285	34
96	JUL	17	402	25.95	18	54.71	155	18.73	14.41	38		.10	1.7	1.4	LOI	2.8X	2	244	32
96	JUL	17	408	47.74	18	55.47	155	16.82	22.17	12	3	.07	1.9	5.4	LOI	1.9X	1	289	32
96	JUL	17	421	36.99	18	51.87	155	13.47	12.63	35	6	.12	1.3	1.4	LOI	2.8X	2	271	41
96	JUL	17	426	14.60	18	52.56	155	12.95	14.03	41	5	.12	2.2	4.2	LOI	2.5X	2	254	41
96	JUL	17	643	37.59	18	57.47	155	17.54	13.25	13	2	.09	4.9	.9	LOI	.9D	1	258	29
96	JUL	17	653	32.09	18	53.21	155	13.47	13.11	46	8	.12	1.0	1.8	LOI	3.8X	1	253	39
96	JUL	17	744	43.35	18	46.29	155	10.46	7.64	16	3	.10	1.5	.7	LOI	2.0X	1	291	53
96	JUL	17	757	51.13	18	41.18	155	11.19	8.27	18	3	.11	8.6	10.5	LOI -	2.2X	2	323	60
96	JUL	17	800	33.60	18	44.55	155	15.31	9.13	16	4	.11	1.8	1.5	LOI	2.3X	1	314	51
96	JUL	17	821	35.20	18	47.46	155	11.42	30.44	14	2	.08	2.2	4.4	LOI	2.4X	1	307	50
96	JUL	17	1254	51.69	18	44.78	155	15.12	9.56	16	3	.07	2.0	1.3	LOI	2.4X	1	290	51
96	JUL	17	1256	41.78	18	46.58	155	17.05	11.58	19	4	.12	3.1	3.4	LOI	2.3X	1	321	46
96	JUL	17	1348	38.20	18	54.30	155	15.51	10.81	30	10	.10	1.1	.6	LOI	2.3X	3	269	40
96	JUL	17	1407	17.46	18	50.58	155	12.94	12.56	24	3	.11	2.6	3.7	LOI	2.7X	1	279	44
96	JUL	17	1418	30.46	18	46.31	155	12.14	29.21	18	3	.10	2.0	4.6	LOI	2.6X	1	329	51
96	JUL	17	1542	20.51	19	20.22	155	11.36	8.24	29	5	.11	.5	.9	SF3	1.8X	2	83	4
96	JUL	17	1718	55.47	18	44.82	155	10.57	24.47	17	2	.11	1.9	6.7	LOI	2.2X	1	325	55

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	17	1725	52.07	18	48.77	155	11.93	9.59	24	3	.13	1.4	.9	LOI	2.8X	1	311	47
96	JUL	17	1936	1.14	18	44.81	155	13.22	32.89	22	7	.12	2.1	4.3	LOI	2.2X	1	292	52
96	JUL	17	2013	58.81	18	43.05	155	11.88	11.32	17	5	.12	8.5	11.9	LOI -	2.1X	1	318	56
96	JUL	17	2310	10.40	19	20.73	155	6.65	9.39	45	8	.10	.6	.5	SF4	2.8X	4	136	5
96	JUL	18	111	12.52	18	45.05	155	16.08	21.93	13	5	.08	1.7	10.6	LOI -	2.0X	1	314	50
96	JUL	18	118	29.99	18	48.07	155	7.90	6.12	10	3	.10	1.1	2.1	LOI	1.8X	1	319	53
96	JUL	18	137	27.76	18	43.30	155	13.10	8.43	25	5	.11	1.5	2.0	LOI	2.8X	2	294	55
96	JUL	18	147	44.55	18	54.02	155	18.41	14.42	33		.08	2.3	1.5	LOI	2.3X	3	251	33
96	JUL	18	641	47.97	19	18.66	155	15.24	7.80	22		.06	.7	1.1	SF1	1.5X	2	143	5
96	JUL	18	739	52.24	19	53.44	155	35.03	14.21	51	8	.10	.9	.6	KEAF	4.4D	1	220	18
96	JUL	18	748	11.08	19	55.67	155	34.84	21.66	35	8	.11	1.0	2.0	KOHF	2.1X	5	233	21
96	JUL	18	804	1.50	18	48.24	155	16.94	11.90	33	2	.14	2.0	1.8	LOI	2.4X	4	278	44
96	JUL	18	810	58.10	18	46.01	155	15.12	8.96	23	7	.12	1.0	.9	LOI	1.8X	2	287	49
96	JUL	18	845	19.40	18	35.21	155	14.45	6.86	18	4	.09	7.6	9.8	DIS -	2.1X	2	307	63
96	JUL	18	1254	29.03	18	51.90	155	17.42	13.23	31		.09	2.0	1.2	LOI	2.8X	1	256	37
96	JUL	18	2014	59.13	18	47.35	155	12.51	9.31	40	8	.12	1.0	1.2	LOI	3.1X	3	297	49
96	JUL	18	2029	18.72	18	51.55	155	12.96	10.95	33	6	.13	.9	.8	LOI	2.5X	3	262	42
96	JUL	18	2219	52.34	19	17.17	155	12.66	11.47	30	5	.12	.7	.6	SF2	1.6X	2	156	8
96	JUL	18	2253	48.68	19	24.61	155	17.50	1.81	15	4	.08	.3	.2	SNCL	1.7X	2	69	1
96	JUL	19	1158	43.73	19	54.74	155	34.92	19.36	41	6	.11	1.0	1.9	KEA	2.1X	4	227	19
96	JUL	19	2322	37.61	19	29.83	155	26.60	9.97	32	5	.11	.4	1.2	KAO	2.0X	4	92	4
96	JUL	20	20	58.48	19	19.40	155	13.62	8.31	37	3	.13	.5	.7	SF2	2.0X	3	124	6
96	JUL	20	242	0.10	18	54.75	155	16.79	13.88	20	1	.10	1.7	1.0	LOI	2.0X	2	268	33
96	JUL	20	557	49.81	19	23.17	155	14.46	4.10	25	6	.09	.4	.4	SEC	1.8X	2	84	3
96	JUL	20	932	15.53	18	46.42	155	12.86	9.81	13	3	.10	2.0	2.2	LOI	2.1X	1	314	50
96	JUL	20	946	47.50	18	53.38	155	15.69	13.40	28		.09	3.1	1.0	LOI	2.5D	1	267	37
96	JUL	20	1125	18.60	18	54.35	155	16.28	13.33	11		.09	4.0	1.3	LOI	1.9D	1	264	35
96	JUL	20	1149	15.52	19	2.51	155	22.71	20.38	10	1	.10	4.0	2.7	LOI	2.0X	1	234	16
96	JUL	20	1202	37.32	18	56.05	155	15.34	4.68	7		.09	7.9	14.2	LOI -	1.9X	1	301	33
96	JUL	20	1327	2.15	18	44.27	155	13.53	21.54	15	3	.10	1.9	11.7	LOI -	2.2X	2	324	53
96	JUL	20	1449	26.06	18	50.16	155	15.52	15.00	24		.07	8.0	13.9	LOI -	2.5X	1	307	42
96	JUL	20	1638	25.49	18	48.71	155	14.33	11.43	24		.08	7.0	1.9	LOI	2.5X	1	310	45
96	JUL	20	1652	53.29	18	44.09	155	12.74	8.76	19	1	.08	2.9	1.5	LOI	2.2X	2	324	54
96	JUL	20	1702	47.13	19	20.98	155	3.85	7.77	33		.09	.8	.7	SF5	2.2X	2	167	8
96	JUL	20	1721	19.05	18	49.92	155	15.85	12.72	32	3	.12	1.3	2.0	LOI	2.8X	4	295	42
96	JUL	20	1808	23.33	18	51.12	155	15.31	11.33	14		.07	6.1	1.6	LOI	2.1X	1	305	40
96	JUL	20	1949	34.00	18	51.31	155	15.14	13.31	11		.09	7.5	4.9	LOI	1.2D	1	305	40
96	JUL	20	1954	36.21	18	53.32	155	15.92	17.08	15		.10	4.0	14.4	LOI -	2.4X	1	267	36
96	JUL	20	2002	42.07	18	55.44	155	16.51	20.40	20		.10	3.2	6.8	LOI	2.2X	3	259	33
96	JUL	20	2037	35.23	19	11.38	155	9.35	45.61	46	4	.12	1.0	1.3	DEP	2.5X	2	221	11
96	JUL	20	2046	25.48	19	19.39	155	12.39	7.40	12		.04	.7	2.3	SF2	.9X	1	89	5
96	JUL	20	2105	26.98	18	53.62	155	15.88	14.09	25		.09	3.8	3.0	LOI	2.4X	1	288	36
96	JUL	20	2117	43.45	18	45.99	155	14.12	15.00	11		.07	10.4	13.9	LOI -	2.6X	1	313	50
96	JUL	20	2154	20.16	18	55.58	155	17.15	13.30	20	3	.10	1.1	.7	LOI	2.0X	2	265	32
96	JUL	20	2204	19.11	18	48.15	155	14.61	11.19	22		.08	7.8	2.6	LOI	2.5X	1	310	46

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	20	2207	23.00	18	55.38	155	16.59	14.35	19	3	.10	1.3	.9	LOI	2.2X	2	260	33
96	JUL	20	2227	6.13	18	53.64	155	14.71	11.78	21	3	.11	1.5	.9	LOI	2.1X	2	268	37
96	JUL	20	2302	28.75	18	48.41	155	13.80	10.85	12	2	.06	2.6	1.7	LOI	1.7X	2	311	46
96	JUL	20	2322	26.05	18	53.60	155	16.38	13.69	29		.09	3.6	1.1	LOI	2.4X	1	266	36
96	JUL	20	2324	48.40	18	55.82	155	17.15	14.84	22		.11	2.8	1.6	LOI	2.2X	1	257	31
96	JUL	20	2331	50.10	18	45.03	155	12.96	7.40	19		.09	10.2	3.9	LOI -	2.1X	2	319	52
96	JUL	20	2334	40.49	18	53.13	155	16.12	21.97	29		.09	3.6	4.6	LOI	2.5X	1	268	37
96	JUL	21	0	6.69	18	56.38	155	16.84	16.73	24		.09	2.1	13.7	LOI -	2.8X	1	256	31
96	JUL	21	44	50.18	18	58.56	155	15.42	6.65	11		.13	4.9	13.2	LOI -	2.3X	1	293	30
96	JUL	21	48	59.68	18	55.85	155	16.89	14.45	33		.11	2.2	1.2	LOI	2.3X	2	247	32
96	JUL	21	55	33.75	18	44.73	155	12.00	7.25	7		.06	10.5	4.5	LOI -	2.2X	1	310	54
96	JUL	21	56	21.35	18	57.14	155	15.91	7.23	9		.10	5.7	11.6	LOI -	2.5X	1	298	31
96	JUL	21	102	50.16	18	53.37	155	15.67	13.62	25		.08	4.3	1.7	LOI	2.3X	1	288	37
96	JUL	21	145	0.98	18	55.65	155	16.70	18.66	13		.12	4.2	8.7	LOI	1.6D	1	259	32
96	JUL	21	151	13.98	18	48.66	155	14.64	9.51	40	6	.12	1.2	1.0	LOI	2.9X	4	280	45
96	JUL	21	230	15.49	18	55.86	155	16.85	17.41	9		.11	4.3	13.7	LOI -	1.9X	1	270	32
96	JUL	21	232	54.59	18	50.41	155	14.80	12.29	26	3	.08	1.7	2.0	LOI	2.3X	3	307	42
96	JUL	21	246	22.26	18	51.79	155	14.55	11.21	22	5	.09	.9	.9	LOI	1.4X	2	274	40
96	JUL	21	319	25.28	18	51.22	155	14.43	11.18	22		.10	4.3	1.5	LOI	2.3X	1	276	41
96	JUL	21	331	7.88	18	49.43	155	14.02	11.44	17		.08	7.3	1.5	LOI	2.2X	1	309	44
96	JUL	21	348	30.30	18	58.28	155	19.80	16.83	6		.01	3.5	10.1	LOI -	1.2D	1	269	25
96	JUL	21	416	4.32	18	55.59	155	17.45	15.91	11		.09	3.9	14.4	LOI -	2.1X	1	264	32
96	JUL	21	417	15.80	18	55.48	155	16.40	13.61	24		.11	2.7	1.1	LOI	2.5X	3	259	33
96	JUL	21	425	0.60	18	54.33	155	16.44	13.97	36		.11	2.5	1.2	LOI	2.6X	3	251	34
96	JUL	21	512	8.19	18	45.09	155	13.60	8.89	25	3	.11	1.8	1.5	LOI	2.3X	3	315	52
96	JUL	21	520	56.38	18	56.46	155	16.99	14.95	24	1	.11	2.3	2.1	LOI	2.1X	3	255	31
96	JUL	21	537	34.11	18	57.93	155	15.27	12.54	14	1	.10	6.7	1.3	LOI	1.8X	2	261	31
96	JUL	21	546	47.16	18	51.37	155	15.25	12.68	18		.09	5.1	1.6	LOI	2.3X	2	288	40
96	JUL	21	554	42.64	18	54.55	155	16.33	13.86	18		.09	3.4	1.6	LOI	2.2D	1	263	34
96	JUL	21	600	6.18	18	46.65	155	14.02	7.23	26	4	.12	1.3	.7	LOI	2.3X	3	301	49
96	JUL	21	627	0.72	18	52.82	155	14.44	11.04	21	4	.10	1.8	.9	LOI	2.2X	2	271	39
96	JUL	21	702	38.83	18	56.05	155	16.15	15.70	15		.09	3.3	14.7	LOI -	2.1X	1	258	32
96	JUL	21	723	58.62	18	57.53	155	13.52	13.21	30	1	.12	1.7	.8	LOI	3.1X	1	241	33
96	JUL	21	726	18.07	18	54.73	155	16.61	14.29	39		.11	2.1	1.6	LOI	3.2X	1	245	34
96	JUL	21	745	56.05	18	59.54	155	14.47	19.95	14	1	.10	4.0	8.2	LOI	2.3D	1	250	32
96	JUL	21	829	42.61	18	52.64	155	14.92	12.14	21	3	.08	1.8	1.1	LOI	2.1X	2	303	39
96	JUL	21	843	15.46	18	51.61	155	15.44	12.73	27	3	.09	1.9	1.6	LOI	2.3X	3	291	40
96	JUL	21	846	44.92	18	53.45	155	14.94	11.57	24	4	.09	1.6	.8	LOI	2.3X	2	268	37
96	JUL	21	848	23.30	18	54.90	155	16.51	23.78	20	6	.13	1.7	4.5	LOI	2.3X	1	274	34
96	JUL	21	935	5.87	18	51.41	155	13.83	10.46	23	6	.12	1.3	.8	LOI	1.9X	2	275	41
96	JUL	21	941	11.09	18	51.92	155	14.69	16.05	13		.12	8.4	15.9	LOI -	1.6D	1	304	40
96	JUL	21	949	21.00	18	48.85	155	14.04	11.26	16		.07	7.7	2.3	LOI	2.1X	1	309	45
96	JUL	21	950	29.57	18	55.25	155	16.22	13.46	11		.08	4.2	1.3	LOI	2.8X	1	261	33
96	JUL	21	1009	54.13	18	49.98	155	16.32	5.22	12		.14	6.9	2.7	LOI	2.5X	1	289	41
96	JUL	21	1014	57.01	18	55.47	155	16.63	13.27	10		.10	3.6	1.1	LOI	2.1X	1	259	33

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	21	1029	14.84	18	54.67	155	16.64	14.54	37		.10	1.7	2.2	LOI	2.9X	2	246	34
96	JUL	21	1037	20.30	18	49.72	155	13.77	11.10	23		.10	7.9	2.0	LOI	2.4X	1	308	44
96	JUL	21	1049	42.38	18	47.97	155	13.48	9.05	15	3	.08	1.3	1.2	LOI	1.9X	2	311	47
96	JUL	21	1100	32.09	18	54.18	155	14.59	12.48	15		.12	7.6	1.7	LOI	2.2X	2	300	37
96	JUL	21	1113	41.22	18	56.82	155	14.37	43.79	14	5	.11	2.9	2.8	LOI	2.3X	1	294	33
96	JUL	21	1122	31.79	18	53.15	155	16.24	13.56	29		.08	3.5	1.4	LOI	2.6X	2	273	36
96	JUL	21	1132	52.14	18	51.19	155	14.38	10.42	12	3	.06	2.1	.8	LOI	2.2X	1	287	41
96	JUL	21	1148	23.46	18	54.40	155	15.32	11.94	13	1	.08	4.8	1.0	LOI	2.4X	1	265	36
96	JUL	21	1200	11.93	18	54.14	155	17.55	7.09	7	1	.06	2.6	12.9	LOI -	2.0X	1	310	39
96	JUL	21	1205	31.76	18	49.83	155	14.34	11.32	27	1	.09	2.3	1.3	LOI	2.5X	4	278	43
96	JUL	21	1215	32.89	18	53.93	155	14.85	11.96	33	1	.10	2.0	.9	LOI	2.7X	2	256	37
96	JUL	21	1219	36.43	18	50.78	155	11.32	10.96	33	3	.11	1.3	.7	LOI	3.4D	1	294	45
96	JUL	21	1233	40.66	18	56.37	155	16.96	14.70	36	1	.10	1.5	1.6	LOI	2.9X	2	239	31
96	JUL	21	1239	2.34	18	54.04	155	16.18	11.95	15	3	.09	1.2	.6	LOI	2.0X	1	293	35
96	JUL	21	1252	30.10	18	45.42	155	12.58	8.40	20		.09	9.4	2.5	LOI	2.3X	1	315	52
96	JUL	21	1300	31.09	18	53.59	155	16.43	12.43	31		.13	2.7	.9	LOI	2.0X	3	254	36
96	JUL	21	1301	9.22	18	54.32	155	16.45	13.84	40		.09	1.5	1.4	LOI	3.0X	3	247	34
96	JUL	21	1308	46.37	18	53.38	155	15.38	12.60	17	3	.11	1.6	1.4	LOI	2.2X	3	301	37
96	JUL	21	1317	5.77	18	57.66	155	15.63	7.29	8		.15	5.9	14.0	LOI -	2.1X	1	296	31
96	JUL	21	1358	2.45	18	52.91	155	16.39	13.27	15		.11	6.9	1.7	LOI	2.2X	1	301	37
96	JUL	21	1402	34.23	18	53.02	155	14.81	11.28	26		.11	7.0	1.7	LOI	2.4X	2	302	38
96	JUL	21	1415	33.40	19	17.48	155	27.77	9.63	28	2	.12	.5	.7	LSW	1.4X	1	73	9
96	JUL	21	1416	49.80	18	55.50	155	15.92	12.30	17	5	.08	1.1	.6	LOI	2.2X	2	302	33
96	JUL	21	1429	51.77	18	59.07	155	17.06	6.83	6		.06	5.9	11.5	LOI -	2.0X	1	306	27
96	JUL	21	1509	10.43	18	56.39	155	17.23	16.32	47	6	.10	1.1	9.1	LOI	2.9X	5	239	31
96	JUL	21	1523	2.48	18	53.16	155	16.00	10.94	10		.12	8.2	2.5	LOI	1.4D	1	301	42
96	JUL	21	1535	15.56	18	52.37	155	15.06	13.24	26		.09	5.2	2.5	LOI	2.5X	2	271	39
96	JUL	21	1543	36.47	18	51.48	155	13.65	11.43	17	4	.13	1.1	.9	LOI	2.2X	1	276	42
96	JUL	21	1548	28.63	18	56.45	155	15.10	12.94	32	1	.11	3.8	.8	LOI	2.7X	2	246	33
96	JUL	21	1557	4.41	18	48.45	155	14.73	8.34	28	5	.13	1.6	.9	LOI	2.5X	2	294	50
96	JUL	21	1612	27.12	18	49.46	155	13.22	9.33	13	1	.10	2.4	1.0	LOI	2.0X	2	309	45
96	JUL	21	1646	28.56	18	52.02	155	15.05	12.41	30		.12	4.1	1.3	LOI	2.4X	1	273	39
96	JUL	21	1658	19.26	18	50.54	155	12.62	9.58	13	3	.06	1.3	1.0	LOI	2.0X	1	279	44
96	JUL	21	1659	41.14	18	55.07	155	16.49	14.51	32		.10	2.4	1.5	LOI	2.4X	3	261	33
96	JUL	21	1706	15.14	18	56.62	155	16.42	13.32	18	4	.11	1.5	.8	LOI	1.7X	2	306	31
96	JUL	21	1714	37.03	18	59.51	155	15.15	6.35	10		.12	5.2	13.2	LOI -	1.9X	2	290	29
96	JUL	21	1716	15.68	18	50.77	155	14.54	12.23	23		.09	6.7	1.8	LOI	2.3X	2	306	42
96	JUL	21	1740	25.26	18	50.79	155	15.60	12.07	30	3	.09	1.6	1.2	LOI	2.5X	3	288	41
96	JUL	21	1758	54.20	18	56.31	155	15.07	11.92	20	1	.10	3.5	.7	LOI	2.6X	1	246	33
96	JUL	21	1804	39.44	18	55.40	155	16.91	12.30	32	1	.11	2.3	.7	LOI	1.7X	2	243	32
96	JUL	21	1804	49.36	18	53.30	155	16.54	13.34	40	4	.11	1.1	.9	LOI	4.2D	1	265	36
96	JUL	21	1805	17.67	18	54.76	155	16.81	13.93	39	2	.09	1.2	1.1	LOI	3.0X	1	245	33
96	JUL	21	1808	58.74	18	53.59	155	16.06	13.92	39		.12	1.8	1.8	LOI	2.6X	3	250	36
96	JUL	21	1827	39.93	18	55.06	155	15.77	13.49	34		.11	3.4	1.2	LOI	2.8X	2	281	34
96	JUL	21	1834	23.31	19	3.26	155	17.61	6.85	7		.05	3.2	10.4	LOI -	1.2D	1	288	21

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	21	1848	44.56	18	51.48	155	14.50	11.36	27		.09	6.6	1.9	LOI	2.5X	2	305	41
96	JUL	21	1855	32.49	18	56.45	155	14.61	12.82	27	1	.12	4.8	.9	LOI	2.3X	2	260	33
96	JUL	21	1858	37.91	18	47.53	155	13.14	9.13	15		.10	10.3	3.0	LOI -	1.9X	1	312	48
96	JUL	21	1909	36.02	18	53.86	155	16.09	13.84	38	1	.12	2.0	1.9	LOI	3.0X	2	248	35
96	JUL	21	1917	12.73	18	57.23	155	17.78	12.61	24		.11	2.2	.7	LOI	2.0X	1	251	29
96	JUL	21	1920	7.20	18	55.37	155	15.46	12.61	21	3	.11	1.7	.9	LOI	1.8X	3	297	34
96	JUL	21	1938	30.70	18	53.96	155	14.22	11.42	26		.09	4.7	1.0	LOI	2.2X	2	286	37
96	JUL	21	1953	46.92	18	53.46	155	14.96	12.80	33	1	.09	3.5	1.2	LOI	2.6X	2	258	37
96	JUL	21	1958	24.11	18	50.16	155	12.83	10.03	27	7	.10	1.2	.9	LOI	2.2X	3	280	44
96	JUL	21	2009	16.42	18	47.59	155	14.26	8.42	27	4	.09	1.2	.7	LOI	2.4X	3	311	47
96	JUL	21	2015	7.56	18	53.11	155	16.28	13.81	32	3	.11	1.5	1.7	LOI	2.6X	3	267	36
96	JUL	21	2044	38.37	19	25.70	155	19.15	5.80	38	9	.12	.4	.7	KAO	2.0X	2	53	3
96	JUL	21	2045	45.32	18	55.13	155	17.10	14.74	39		.10	1.8	2.2	LOI	3.1X	1	245	33
96	JUL	21	2052	29.01	18	47.60	155	12.73	7.48	23	5	.09	1.3	.7	LOI	1.9X	3	312	48
96	JUL	21	2053	48.47	18	52.97	155	15.61	13.62	25		.09	3.4	2.0	LOI	2.4X	1	271	37
96	JUL	21	2059	16.60	18	51.37	155	15.03	12.55	34	4	.09	1.2	1.0	LOI	2.7X	3	288	40
96	JUL	21	2107	43.92	18	49.64	155	13.07	9.45	17	4	.11	1.4	.8	LOI	2.2X	2	309	45
96	JUL	21	2125	46.25	18	54.39	155	15.42	13.71	33	1	.09	2.1	1.5	LOI	2.5X	3	252	35
96	JUL	21	2128	53.88	19	25.73	155	19.15	6.86	24	5	.10	.4	.8	KAO	2.0X	2	86	3
96	JUL	21	2134	24.14	18	52.90	155	13.14	7.32	9		.10	3.7	12.9	LOI -	2.0X	1	273	40
96	JUL	21	2141	33.21	18	53.91	155	16.34	11.33	35	1	.12	1.9	.8	LOI	3.3X	1	264	35
96	JUL	21	2145	17.44	18	54.84	155	14.78	12.99	27		.11	3.8	1.6	LOI	2.5X	3	264	35
96	JUL	21	2151	32.33	18	44.95	155	12.56	22.11	12		.11	10.9	12.7	LOI -	2.0X	2	316	53
96	JUL	21	2159	47.82	18	51.96	155	15.10	12.02	43	7	.11	1.1	.9	LOI	2.9X	5	274	39
96	JUL	21	2200	29.28	18	53.12	155	16.83	14.25	33		.10	2.1	4.1	LOI	2.9X	2	255	36
96	JUL	21	2209	6.54	18	54.86	155	16.11	21.34	18	3	.12	2.2	6.4	LOI	2.0X	3	269	34
96	JUL	21	2210	46.78	18	50.26	155	13.37	11.10	30	2	.10	2.2	1.5	LOI	2.0X	4	279	44
96	JUL	21	2211	10.77	18	44.59	155	19.30	44.13	29	1	.14	3.7	2.7	LOI	2.6X	3	297	48
96	JUL	21	2213	18.19	18	54.15	155	16.21	13.86	33		.10	2.7	1.6	LOI	2.5X	2	252	35
96	JUL	21	2222	3.37	18	53.89	155	16.18	13.87	39		.10	2.2	1.4	LOI			248	35
96	JUL	21	2223	41.84	18	53.39	155	15.40	13.23	34		.09	2.9	1.3	LOI	3.0X	2	268	37
96	JUL	21	2240	55.58	18	53.48	155	14.88	11.57	21		.10	2.6	.7	LOI	2.9X	2	255	37
96	JUL	21	2244	13.48	18	53.34	155	15.97	13.65	28	1	.08	2.6	1.3	LOI	1.9X	3	271	36
96	JUL	21	2244	44.11	18	52.54	155	14.74	14.99	34	1	.10	3.0	9.1	LOI	2.7X	3	258	39
96	JUL	21	2247	2.03	18	54.78	155	16.08	14.26	36		.09	1.7	2.4	LOI	3.0X	2	246	34
96	JUL	21	2251	50.68	18	54.91	155	14.21	6.92	11		.13	6.6	12.7	LOI -	2.0X	1	305	36
96	JUL	21	2305	7.24	18	51.70	155	15.85	17.92	16		.09	6.1	12.5	LOI -	2.2X	1	297	39
96	JUL	21	2310	29.90	18	53.16	155	14.79	11.88	31		.11	3.7	1.1	LOI	2.5X	1	271	38
96	JUL	21	2319	20.20	18	54.41	155	16.51	14.19	38		.09	1.6	2.4	LOI	3.1X	3	248	34
96	JUL	21	2325	18.65	18	50.42	155	14.17	11.88	22		.08	6.8	2.2	LOI	2.3X	2	307	43
96	JUL	21	2332	15.92	18	55.64	155	14.49	6.37	9		.12	9.1	13.5	LOI -	1.9X	1	309	35
96	JUL	21	2343	59.43	18	54.78	155	15.87	13.53	21		.08	3.2	.9	LOI	2.1X	2	263	34
96	JUL	21	2354	47.77	18	46.37	155	13.07	8.83	16	5	.07	1.0	1.3	LOI	2.2X	2	297	50
96	JUL	22	7	8.84	18	50.97	155	14.03	11.62	29	6	.10	1.3	1.4	LOI	3.0X	3	306	42
96	JUL	22	13	56.31	18	54.07	155	16.19	13.48	37		.10	2.3	1.1	LOI	3.0X	2	249	35

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	22	17	7.02	18	53.43	155	15.20	13.40	31		.11	3.5	1.7	LOI	2.4X	2	270	37
96	JUL	22	24	28.93	18	53.16	155	15.69	13.55	31		.10	3.7	1.7	LOI	2.1X	3	271	37
96	JUL	22	26	57.67	18	49.80	155	14.82	15.56	22		.09	8.0	14.3	LOI -	2.4X	1	307	43
96	JUL	22	33	36.03	18	54.43	155	16.02	12.80	27	1	.09	3.2	.9	LOI	1.8X	3	252	35
96	JUL	22	33	48.93	18	52.89	155	15.50	10.95	42	2	.12	1.3	.7	LOI	2.8X	1	253	38
96	JUL	22	51	14.71	18	54.32	155	16.87	17.30	9		.07	9.8	12.7	LOI -	1.9X	1	309	34
96	JUL	22	52	45.89	18	52.06	155	14.92	9.99	32	2	.12	1.5	.6	LOI	2.7X	3	274	39
96	JUL	22	56	59.55	18	51.69	155	16.01	12.52	30	3	.11	1.4	1.1	LOI	3.0X	4	270	39
96	JUL	22	101	6.01	18	55.04	155	16.44	13.52	25	3	.10	1.7	1.0	LOI	2.6X	2	261	33
96	JUL	22	116	53.48	18	52.54	155	15.91	10.28	42	5	.13	1.3	.8	LOI	4.1D	1	268	38
96	JUL	22	126	40.35	18	49.64	155	14.66	11.91	24	3	.09	1.4	1.7	LOI	2.4X	3	279	43
96	JUL	22	135	55.52	18	55.00	155	17.46	12.03	24	4	.13	1.8	1.0	LOI	2.4X	3	267	32
96	JUL	22	145	57.53	18	51.70	155	13.98	12.60	27	1	.11	2.8	1.9	LOI	2.1X	3	289	41
96	JUL	22	158	24.35	18	52.41	155	14.97	13.14	18	1	.10	4.7	1.7	LOI	1.8X	2	272	39
96	JUL	22	159	14.21	18	51.30	155	14.99	12.56	25	2	.09	1.7	1.1	LOI	2.6X	3	288	40
96	JUL	22	203	50.30	18	53.93	155	15.00	12.96	28	5	.09	1.8	.9	LOI	2.4X	3	267	37
96	JUL	22	205	19.81	18	55.95	155	16.37	14.62	26		.10	2.2	1.8	LOI	3.1X	2	243	32
96	JUL	22	208	30.06	18	53.61	155	16.04	19.09	14	4	.13	1.9	11.8	LOI -	1.8X	1	310	41
96	JUL	22	211	45.37	18	51.37	155	12.34	10.90	16	4	.11	1.5	.9	LOI	1.9X	1	289	43
96	JUL	22	230	17.96	18	50.38	155	14.88	11.65	25	3	.10	1.5	1.1	LOI	2.8X	3	290	42
96	JUL	22	231	23.53	18	53.84	155	16.75	10.29	39	3	.11	1.4	1.0	LOI	3.2X	2	265	45
96	JUL	22	233	15.29	18	54.36	155	15.32	13.26	37		.11	2.2	1.3	LOI	2.8X	3	248	36
96	JUL	22	248	56.29	18	58.96	155	17.00	13.86	18	1	.12	6.8	1.1	LOI	2.2X	3	254	27
96	JUL	22	302	49.21	18	55.54	155	16.34	14.86	24		.09	2.6	3.2	LOI	2.5X	3	244	33
96	JUL	22	312	8.90	18	56.72	155	16.26	15.60	26	2	.10	1.4	6.0	LOI	2.8X	2	239	31
96	JUL	22	322	13.21	18	46.60	155	12.77	8.68	17	4	.07	1.3	1.2	LOI	2.2X	2	296	50
96	JUL	22	331	8.86	18	53.77	155	15.46	23.73	24	2	.12	2.2	3.7	LOI	2.1X	2	267	36
96	JUL	22	333	21.00	18	59.46	155	16.75	13.00	13	2	.10	2.5	.9	LOI	2.2X	1	253	27
96	JUL	22	339	15.93	18	53.46	155	15.80	13.62	24		.08	4.1	1.6	LOI	2.2X	1	288	36
96	JUL	22	341	9.28	18	56.03	155	17.21	14.61	19		.09	3.2	1.6	LOI	2.4X	3	256	31
96	JUL	22	345	2.77	18	54.54	155	15.19	12.39	25	2	.10	1.7	.8	LOI	1.5X	2	286	35
96	JUL	22	345	17.26	18	52.84	155	15.16	12.28	28	2	.12	2.5	1.3	LOI	2.0X	3	257	38
96	JUL	22	409	49.29	18	53.83	155	15.79	12.82	41	2	.11	2.0	1.3	LOI	4.0D	1	250	36
96	JUL	22	418	45.22	18	53.76	155	14.26	14.93	13		.12	13.8	15.9	LOI -	1.8X	1	322	42
96	JUL	22	428	53.60	18	55.04	155	16.72	15.14	25		.09	2.7	6.4	LOI	2.9X	4	248	33
96	JUL	22	434	58.22	18	53.61	155	16.03	8.37	33	3	.14	1.6	1.0	LOI	2.9X	2	269	36
96	JUL	22	437	38.49	18	52.95	155	14.44	12.51	34	4	.10	1.5	.9	LOI	2.7X	4	270	39
96	JUL	22	447	37.23	18	54.70	155	15.52	13.75	37		.12	2.3	1.5	LOI	2.6X	2	248	35
96	JUL	22	450	59.23	18	56.45	155	16.28	14.59	38		.11	1.4	1.7	LOI	4.1D	1	240	32
96	JUL	22	455	1.86	18	52.75	155	15.88	13.65	27		.09	4.2	1.9	LOI	2.8X	2	284	37
96	JUL	22	505	35.23	18	58.61	155	16.03	13.29	31	1	.13	2.5	.6	LOI	2.1X	3	269	29
96	JUL	22	508	48.58	18	54.81	155	15.87	14.31	30		.11	2.1	2.5	LOI	2.9X	1	251	34
96	JUL	22	517	37.41	18	55.53	155	16.62	14.08	22		.08	3.0	1.6	LOI	4.2D	1	259	32
96	JUL	22	532	47.59	18	55.89	155	17.17	19.81	31	2	.10	1.8	4.8	LOI	2.5X	3	257	31
96	JUL	22	544	33.61	18	47.77	155	12.59	9.75	12		.07	8.9	2.6	LOI	2.1X	1	321	48

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	22	554	36.06	18	53.28	155	16.24	18.32	6		.02	5.6	9.2	LOI -	2.1X	1	294	36
96	JUL	22	556	24.58	18	53.38	155	14.97	13.61	37	1	.11	2.5	1.8	LOI	2.9X	2	256	37
96	JUL	22	609	34.42	18	51.51	155	14.86	16.35	10		.09	11.1	14.7	LOI -	1.8X	1	316	40
96	JUL	22	611	33.55	18	45.42	155	14.16	15.69	19		.08	10.1	14.3	LOI -			316	51
96	JUL	22	626	11.56	18	54.60	155	13.70	6.51	8		.12	8.0	14.2	LOI -	2.0X	1	305	37
96	JUL	22	636	20.29	18	54.23	155	15.14	12.04	35	2	.12	1.6	.8	LOI	2.9X	2	253	36
96	JUL	22	646	56.44	18	54.59	155	16.13	14.44	39		.10	2.2	4.5	LOI	4.2D	1	246	34
96	JUL	22	707	37.02	18	55.51	155	16.43	14.21	13		.07	3.4	1.9	LOI	2.4X	1	259	33
96	JUL	22	713	54.83	18	54.00	155	15.19	11.80	37	2	.10	2.3	.8	LOI	2.6X	3	253	36
96	JUL	22	714	43.69	18	56.74	155	15.63	12.97	29	3	.10	2.1	.8	LOI	2.5X	2	257	32
96	JUL	22	721	6.41	18	56.85	155	16.70	16.97	23	1	.10	3.1	13.3	LOI -	1.8X	3	291	30
96	JUL	22	725	23.75	18	57.85	155	16.48	15.18	28	1	.09	1.6	2.6	LOI	3.0X	2	235	29
96	JUL	22	728	20.50	18	48.74	155	13.66	10.19	38	4	.11	1.4	1.1	LOI	4.0D	1	294	46
96	JUL	22	736	26.54	18	52.65	155	13.36	11.60	23	1	.14	3.5	.9	LOI	2.9X	1	273	40
96	JUL	22	801	14.36	18	56.35	155	16.99	14.69	23		.10	2.3	1.2	LOI	2.1X	1	255	31
96	JUL	22	804	0.97	18	51.85	155	14.90	12.15	38	2	.09	1.8	1.3	LOI	3.3X	1	260	40
96	JUL	22	817	45.66	18	50.14	155	15.44	5.47	26		.12	5.6	1.6	LOI	2.6X	2	290	42
96	JUL	22	838	57.24	18	56.47	155	17.24	23.22	22	2	.10	2.1	3.1	LOI	2.0X	3	262	30
96	JUL	22	847	9.84	18	52.87	155	13.27	11.22	21	3	.12	1.6	.9	LOI	1.9X	3	278	40
96	JUL	22	859	19.02	18	55.83	155	17.27	15.63	23		.08	2.7	13.1	LOI -	3.0X	2	257	31
96	JUL	22	907	31.92	18	52.78	155	14.62	12.24	15		.13	5.6	2.0	LOI	2.2X	2	285	39
96	JUL	22	910	7.46	18	48.68	155	14.15	9.37	45	7	.14	1.3	.9	LOI	4.4D	1	281	45
96	JUL	22	931	27.67	18	55.25	155	16.65	13.78	21		.12	3.4	1.2	LOI	2.2X	2	260	33
96	JUL	22	937	29.93	18	53.91	155	16.07	12.83	17		.10	3.6	1.2	LOI	2.3X	2	265	35
96	JUL	22	947	23.73	18	47.79	155	13.23	17.71	15	5	.28	2.4	24.6	LOI -	2.2X	2	294	48
96	JUL	22	956	15.01	18	58.61	155	17.68	16.55	11		.11	5.2	15.1	LOI -	2.8X	1	275	27
96	JUL	22	1003	33.68	18	57.15	155	14.73	6.91	8		.11	5.6	13.3	LOI -	2.1X	1	298	32
96	JUL	22	1004	24.54	18	54.04	155	14.35	36.51	12	3	.09	2.2	4.1	LOI	2.3X	1	280	41
96	JUL	22	1005	29.62	18	54.95	155	16.03	13.29	26	1	.13	2.5	1.1	LOI	2.5X	1	262	34
96	JUL	22	1015	26.04	18	51.00	155	14.53	12.37	35	6	.11	1.6	1.2	LOI	2.3X	3	306	41
96	JUL	22	1015	54.94	18	56.26	155	16.22	11.85	34		.12	2.3	.8	LOI	2.7X	4	248	32
96	JUL	22	1021	17.22	18	54.21	155	16.35	14.23	34		.10	1.9	2.9	LOI	3.0X	2	254	35
96	JUL	22	1027	49.85	18	56.97	155	16.50	11.35	19		.14	6.2	1.4	LOI	2.3X	3	292	31
96	JUL	22	1033	28.34	18	54.93	155	15.82	14.18	39	1	.10	1.6	2.1	LOI	3.1X	2	246	34
96	JUL	22	1048	16.15	18	53.60	155	14.71	11.79	24	3	.13	1.9	1.0	LOI	2.5X	4	268	37
96	JUL	22	1055	30.69	18	50.05	155	13.98	10.45	19		.09	7.3	1.9	LOI	2.1X	1	292	43
96	JUL	22	1107	28.33	18	55.79	155	16.23	13.93	36		.13	1.8	1.1	LOI	4.2D	1	242	33
96	JUL	22	1131	52.89	18	49.84	155	17.19	21.89	46	9	.14	1.1	6.1	LOI	4.7D	1	273	41
96	JUL	22	1201	32.89	18	52.72	155	14.73	12.88	18	2	.07	2.0	1.7	LOI	2.1X	3	303	39
96	JUL	22	1235	37.83	18	56.69	155	16.16	14.44	41	2	.10	1.3	1.1	LOI	3.1X	2	239	31
96	JUL	22	1236	43.03	18	56.09	155	16.33	17.12	34		.10	1.8	12.7	LOI -	4.2D	1	241	32
96	JUL	22	1257	18.89	18	57.04	155	18.44	13.86	23		.12	2.9	1.3	LOI	2.3X	1	258	28
96	JUL	22	1259	33.90	18	53.27	155	16.18	13.47	35		.14	2.6	1.2	LOI	2.8X	2	252	36
96	JUL	22	1311	39.49	18	55.89	155	15.70	13.84	36		.11	2.6	1.4	LOI	3.2X	1	244	33
96	JUL	22	1353	37.08	18	59.47	155	17.09	15.98	7		.12	8.5	6.0	LOI	1.8X	1	299	26

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	22	1404	54.45	18	52.98	155	13.40	6.81	10		.11	8.9	13.8	LOI -	2.0X	1	310	40
96	JUL	22	1410	46.14	18	55.47	155	16.76	12.52	38		.12	1.7	1.0	LOI	4.0D	1	242	32
96	JUL	22	1425	40.32	18	49.62	155	13.76	9.40	19	4	.10	1.4	1.0	LOI	2.5X	2	285	44
96	JUL	22	1437	47.11	18	54.96	155	15.77	12.83	20		.11	3.0	.9	LOI	2.4X	1	262	34
96	JUL	22	1442	7.12	18	53.68	155	15.84	13.75	26	3	.10	1.5	1.4	LOI	3.0X	3	266	36
96	JUL	22	1449	0.45	18	55.71	155	16.62	19.58	26		.09	2.2	6.5	LOI	4.3D	1	242	32
96	JUL	22	1504	46.95	18	57.62	155	16.38	27.84	23		.10	2.4	4.1	LOI	2.8X	2	252	30
96	JUL	22	1601	5.53	18	54.03	155	16.78	13.95	32		.12	2.7	1.8	LOI	2.6X	2	264	35
96	JUL	22	1611	52.27	18	54.66	155	15.50	13.74	11		.08	3.5	2.7	LOI	2.5D	1	264	35
96	JUL	22	1614	33.12	18	55.72	155	16.92	12.32	18	7	.11	1.8	.9	LOI	1.8X	2	302	40
96	JUL	22	1616	4.75	19	19.80	155	7.14	8.81	41	6	.11	.5	.4	SF4	2.8X	2	135	5
96	JUL	22	1623	15.63	18	46.08	155	12.68	7.93	14		.09	9.8	3.3	LOI -	2.6X	1	314	51
96	JUL	22	1631	40.80	18	55.61	155	15.51	13.68	23	1	.10	2.3	1.5	LOI	2.3X	3	261	34
96	JUL	22	1639	6.85	18	49.66	155	14.45	9.36	29		.14	5.2	1.5	LOI	2.2X	4	279	44
96	JUL	22	1639	18.46	18	56.17	155	15.69	33.21	37		.14	1.9	3.0	LOI	3.0X	3	242	33
96	JUL	22	1644	24.11	18	55.16	155	16.57	15.44	20	1	.09	5.3	11.3	LOI -	2.3X	2	307	33
96	JUL	22	1646	10.38	18	56.86	155	16.04	14.52	38		.11	1.2	1.3	LOI	3.0X	1	239	31
96	JUL	22	1700	38.56	19	2.71	155	13.55	19.33	22		.11	6.5	4.1	LOI	2.0X	1	301	26
96	JUL	22	1712	29.81	18	55.00	155	16.39	14.03	40		.10	1.9	1.3	LOIF	4.5D	1	244	33
96	JUL	22	1734	47.06	18	55.40	155	16.07	14.27	39		.12	1.6	1.9	LOI	4.3D	1	243	33
96	JUL	22	1739	39.98	18	51.00	155	15.37	10.37	42	4	.12	1.4	.9	LOI	4.0D	1	272	41
96	JUL	22	1743	26.51	18	56.00	155	16.17	14.19	29		.11	2.9	1.4	LOI	2.9X	1	266	32
96	JUL	22	1753	47.12	18	50.07	155	14.77	11.20	21	6	.10	1.3	1.0	LOI	2.7X	3	307	43
96	JUL	22	1812	24.56	18	54.71	155	15.94	12.34	38		.12	2.1	.9	LOI	3.8D	1	247	34
96	JUL	22	1833	5.25	18	53.17	155	15.06	11.76	21	6	.10	1.3	.8	LOI	2.3X	3	302	38
96	JUL	22	1841	43.96	18	54.59	155	15.42	12.86	19	1	.10	3.6	.8	LOI	2.2X	2	271	35
96	JUL	22	1855	56.46	18	54.43	155	16.33	13.92	40		.11	1.7	1.8	LOI	3.9D	1	248	34
96	JUL	22	1903	24.17	18	51.84	155	12.50	10.35	18	5	.11	1.3	.8	LOI	2.3X	2	282	42
96	JUL	22	1909	7.24	18	55.36	155	15.87	12.63	36	2	.13	1.5	.9	LOI	3.0X	2	243	34
96	JUL	22	1913	53.67	18	54.60	155	16.15	14.31	41		.11	2.0	3.5	LOI	4.1D	1	246	34
96	JUL	22	1939	20.56	18	51.25	155	15.18	14.83	36	1	.11	3.0	4.4	LOI	3.0X	2	262	40
96	JUL	22	1949	3.02	18	45.36	155	13.32	8.35	18	4	.12	2.2	1.4	LOI	2.3X	3	318	51
96	JUL	22	2002	49.40	18	52.02	155	14.69	35.24	25	2	.14	3.0	3.7	LOI	2.9X	2	273	40
96	JUL	22	2039	30.45	18	55.10	155	15.08	12.64	22		.10	3.3	1.3	LOI	2.1X	1	264	35
96	JUL	22	2050	29.27	18	50.40	155	15.47	9.42	19		.09	7.4	2.1	LOI	1.5X	1	307	47
96	JUL	22	2056	38.35	18	48.62	155	12.70	9.83	17		.09	12.0	2.0	LOI -	2.6D	1	318	47
96	JUL	22	2101	54.88	18	48.68	155	14.79	12.62	19		.12	6.5	15.7	LOI -	2.4D	1	293	50
96	JUL	22	2104	6.71	18	53.63	155	14.95	12.03	41	2	.11	1.5	1.0	LOI	3.0X	1	265	37
96	JUL	22	2110	58.31	18	48.25	155	15.22	17.57	19	2	.15	2.6	17.1	LOI -	2.3X	2	298	45
96	JUL	22	2115	3.97	18	49.97	155	13.31	10.21	31	1	.11	2.5	1.1	LOI	2.9X	1	297	44
96	JUL	22	2127	55.98	18	53.35	155	16.29	14.13	23		.09	3.9	2.7	LOI	2.5X	1	282	36
96	JUL	22	2223	10.87	19	0.66	155	16.27	13.41	14	1	.09	3.6	.7	LOI	1.5X	2	241	26
96	JUL	22	2244	27.14	18	54.46	155	14.74	6.69	6		.08	3.5	11.2	LOI -	2.3X	1	272	36
96	JUL	22	2250	8.65	18	55.50	155	16.63	14.67	40		.10	1.7	2.0	LOI	4.2D	1	242	32
96	JUL	22	2306	30.73	18	54.50	155	16.77	14.59	35		.10	2.0	2.1	LOI	2.8X	1	268	34

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	22	2339	14.47	18	53.86	155	15.00	13.11	30		.08	4.4	1.5	LOI	3.0X	1	287	37
96	JUL	22	2341	37.74	18	54.12	155	15.89	13.84	41	3	.11	1.2	1.5	LOI	4.3D	1	247	35
96	JUL	22	2343	50.14	18	58.32	155	19.92	27.83	33	1	.14	1.6	2.0	LOI	3.0X	1	231	25
96	JUL	22	2347	36.39	18	57.59	155	14.83	17.39	11		.12	12.4	15.0	LOI -	1.9X	1	315	35
96	JUL	23	3	59.07	18	57.63	155	13.81	18.17	16		.08	11.8	10.1	LOI -	2.0X	1	324	36
96	JUL	23	4	58.55	18	57.01	155	18.00	17.09	18		.10	2.6	11.7	LOI -	2.3X	1	264	29
96	JUL	23	36	51.70	18	50.80	155	13.22	20.85	26	2	.12	2.0	7.9	LOI	1.9X	2	291	43
96	JUL	23	37	0.43	18	58.21	155	16.64	12.62	27	5	.17	1.7	.7	LOI	2.2X	1	288	29
96	JUL	23	40	31.40	18	49.47	155	13.67	26.47	20	3	.11	2.5	6.4	LOI	2.0X	3	313	45
96	JUL	23	41	2.10	18	50.77	155	12.44	5.55	18	4	.11	1.2	1.7	LOI	2.9X	1	279	44
96	JUL	23	46	48.19	18	55.45	155	16.60	14.38	39		.10	2.0	1.4	LOI	4.2D	1	244	33
96	JUL	23	59	45.38	18	54.85	155	16.74	11.24	24		.11	3.8	.8	LOI	3.2X	1	278	33
96	JUL	23	109	48.27	18	50.69	155	15.00	12.75	15	3	.09	2.1	2.3	LOI	2.4X	2	312	41
96	JUL	23	115	32.11	18	53.07	155	15.25	10.07	40	2	.11	1.5	.7	LOI	4.1D	1	267	38
96	JUL	23	125	57.29	18	49.70	155	12.69	10.78	22	3	.10	1.8	1.5	LOI	2.0X	2	286	45
96	JUL	23	132	3.64	18	54.44	155	16.27	14.41	28	3	.08	1.6	2.9	LOI	4.1D	1	263	34
96	JUL	23	136	14.53	18	55.67	155	16.17	15.45	26		.07	2.5	13.8	LOI -	3.0X	1	243	33
96	JUL	23	149	37.45	18	55.17	155	16.23	14.22	23	4	.10	1.5	1.4	LOI	2.3X	2	303	33
96	JUL	23	200	46.60	19	1.15	155	15.20	21.04	19	1	.11	2.5	5.9	LOI	2.6X	2	242	29
96	JUL	23	201	35.90	18	54.78	155	15.53	13.11	19	2	.11	1.9	1.4	LOI	2.8X	1	264	35
96	JUL	23	207	27.26	18	51.55	155	16.29	15.00	16		.10	5.0	15.1	LOI -	2.3X	1	286	39
96	JUL	23	209	52.80	18	56.62	155	13.61	16.45	14		.08	10.0	14.3	LOI -	1.8X	1	317	37
96	JUL	23	221	15.47	18	49.25	155	14.83	10.11	22	1	.12	2.5	1.2	LOI	2.2X	2	296	44
96	JUL	23	235	29.29	18	53.79	155	16.14	13.47	29		.11	2.8	1.0	LOI	2.4X	2	265	36
96	JUL	23	255	1.63	18	56.25	155	18.46	13.88	27		.12	2.4	.9	LOI	2.5X	1	261	29
96	JUL	23	257	32.18	18	48.89	155	14.25	9.42	37	1	.12	2.2	1.2	LOI	4.2D	1	294	45
96	JUL	23	259	52.47	18	55.24	155	16.35	14.93	38		.10	1.9	4.0	LOI	4.2D	1	244	33
96	JUL	23	305	52.19	18	52.58	155	15.59	13.84	26		.12	3.9	2.9	LOI	2.3X	2	273	38
96	JUL	23	308	44.65	18	48.50	155	12.79	11.49	23		.09	4.8	8.0	LOI	2.4X	2	295	47
96	JUL	23	310	56.61	18	55.73	155	16.81	14.69	28		.12	2.7	1.7	LOI	2.5X	1	258	32
96	JUL	23	320	5.45	18	57.18	155	18.05	24.32	13	1	.09	2.4	3.3	LOI	2.0X	1	258	29
96	JUL	23	320	21.22	18	55.24	155	15.07	12.64	23	2	.10	1.8	.9	LOI	3.1X	2	263	35
96	JUL	23	324	58.49	18	49.29	155	13.91	10.17	33	1	.10	2.2	.9	LOI	4.9D	1	293	45
96	JUL	23	330	41.78	18	53.93	155	15.52	13.82	31		.12	2.7	2.1	LOI	3.0X	2	250	36
96	JUL	23	406	48.76	19	4.15	155	20.76	34.97	7		.05	7.6	5.4	LOI	1.5D	1	284	20
96	JUL	23	440	9.88	18	52.40	155	15.10	13.95	25		.09	4.6	6.2	LOI	2.3X	2	285	39
96	JUL	23	501	45.90	18	37.50	155	11.09	7.00	18		.20	15.7	20.0	DIS -	2.8X	1	323	66
96	JUL	23	506	30.56	18	55.95	155	16.65	14.87	36		.11	1.5	2.2	LOI	2.8X	1	246	32
96	JUL	23	524	44.68	18	56.29	155	15.50	15.85	28		.09	4.0	14.4	LOI -	2.0X	3	277	33
96	JUL	23	525	29.12	19	1.65	155	18.71	31.02	18	2	.13	3.5	2.4	LOI	2.1X	2	246	22
96	JUL	23	541	16.99	18	56.20	155	16.06	14.93	35		.13	2.0	2.2	LOI	2.8X	2	245	32
96	JUL	23	609	54.13	18	52.68	155	15.73	13.33	25		.12	4.9	1.7	LOI	2.3X	2	270	38
96	JUL	23	621	27.20	18	52.75	155	15.77	13.35	17		.09	6.3	1.6	LOI	2.6X	1	302	37
96	JUL	23	623	16.63	18	51.24	155	14.65	12.15	28	1	.09	4.2	1.4	LOI	2.4X	2	275	41
96	JUL	23	626	3.80	18	53.17	155	14.12	6.77	20	1	.20	3.9	1.6	LOI	2.5X	1	271	39

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	23	642	21.89	18	52.09	155	14.96	10.94	21		.10	6.1	1.6	LOI	2.4X	1	304	39
96	JUL	23	658	2.60	18	49.04	155	13.54	10.32	16		.09	10.4	3.2	LOI -	2.0X	1	314	45
96	JUL	23	711	57.36	18	57.99	155	15.55	12.03	17		.14	4.8	.7	LOI	2.1X	1	295	30
96	JUL	23	722	21.28	18	55.73	155	15.79	12.36	20	2	.12	2.4	.9	LOI	2.0X	3	266	33
96	JUL	23	723	54.43	18	47.24	155	15.03	22.78	22		.10	6.5	5.7	LOI	2.7X	1	295	47
96	JUL	23	742	18.67	18	54.90	155	16.74	14.27	22		.08	2.7	1.7	LOI	2.1X	2	261	33
96	JUL	23	753	45.76	18	52.55	155	15.70	15.10	26		.14	4.2	16.1	LOI -	2.4X	1	270	38
96	JUL	23	845	34.72	18	51.59	155	15.00	12.27	23		.09	6.6	1.5	LOI	2.3X	2	305	40
96	JUL	23	850	15.09	19	0.26	155	18.43	13.52	18	3	.09	1.6	.7	LOI #	2.2X	3	280	24
96	JUL	23	852	31.09	19	2.85	155	16.42	6.76	17		.12	3.5	2.2	LOI	2.0X	2	273	24
96	JUL	23	859	13.12	18	53.35	155	16.47	24.86	21		.09	5.9	3.9	LOI	2.5X	2	300	36
96	JUL	23	914	46.86	18	47.05	155	14.23	26.68	31	5	.13	1.8	4.9	LOI	2.7X	2	285	48
96	JUL	23	925	17.01	19	4.34	155	14.04	22.96	18	3	.12	1.7	2.5	LOI	1.8X	3	269	23
96	JUL	23	952	58.76	18	56.30	155	16.91	14.13	8		.06	3.9	1.7	LOI	2.7D	1	269	31
96	JUL	23	1010	49.88	18	55.80	155	15.59	13.79	31		.10	2.3	1.2	LOI	2.9X	2	250	33
96	JUL	23	1013	45.47	18	51.11	155	16.20	13.36	13		.08	8.3	13.9	LOI -	2.3X	1	310	45
96	JUL	23	1017	25.44	18	50.78	155	14.84	12.40	22		.07	7.3	1.8	LOI	2.4X	2	306	41
96	JUL	23	1030	45.32	18	55.58	155	16.27	12.55	40		.12	2.0	.9	LOI	3.9D	1	243	33
96	JUL	23	1111	12.92	18	55.09	155	16.38	13.92	35		.11	2.8	1.2	LOI	3.4X	1	251	33
96	JUL	23	1118	24.96	18	55.36	155	16.61	14.38	24		.10	3.5	1.5	LOI	2.4X	2	260	33
96	JUL	23	1125	10.32	18	39.97	155	9.78	6.10	26		.12	10.4	12.9	DIS -	2.9X	1	324	63
96	JUL	23	1134	59.86	18	58.44	155	17.08	13.45	18	1	.09	2.5	.6	LOI	2.1X	1	268	28
96	JUL	23	1137	4.97	18	54.52	155	15.72	11.27	21	4	.12	1.3	.7	LOI	2.4X	2	299	35
96	JUL	23	1207	1.72	18	49.20	155	14.19	11.60	24	5	.10	1.7	1.6	LOI	3.1X	2	298	44
96	JUL	23	1211	44.53	18	52.66	155	16.12	13.17	37	4	.11	1.5	1.2	LOI	3.3X	1	275	37
96	JUL	23	1245	24.02	18	54.38	155	16.54	14.38	35		.09	2.0	3.2	LOI	2.7X	2	248	34
96	JUL	23	1245	54.20	18	54.33	155	16.54	16.26	37		.11	1.9	15.2	LOI -	4.0D	1	247	34
96	JUL	23	1250	17.98	18	49.08	155	13.65	10.67	24		.08	6.8	2.3	LOI	2.4X	1	294	45
96	JUL	23	1254	36.67	18	50.39	155	13.98	8.76	24	6	.11	1.5	.8	LOI	2.7X	2	308	43
96	JUL	23	1302	3.14	19	21.04	155	31.29	25.56	53	15	.08	.4	.7	DML	2.6X	2	37	7
96	JUL	23	1318	44.05	18	50.73	155	13.34	10.41	26		.11	8.4	1.9	LOI	2.6X	2	291	43
96	JUL	23	1328	20.60	18	55.39	155	16.16	16.70	21	6	.09	1.5	14.1	LOI -	2.5X	1	296	33
96	JUL	23	1347	31.86	18	53.14	155	15.82	20.44	43	4	.11	1.2	5.7	LOI	4.0D	1	266	37
96	JUL	23	1349	25.80	18	55.26	155	16.43	9.71	27		.10	2.9	1.3	LOI	2.8X	1	261	40
96	JUL	23	1357	22.70	18	55.42	155	16.80	21.55	11		.06	5.5	4.8	LOI	2.7X	1	296	32
96	JUL	23	1400	28.54	18	51.33	155	14.28	18.85	13		.09	8.7	12.8	LOI -	2.3X	1	306	41
96	JUL	23	1419	48.89	18	52.47	155	12.67	8.41	17	5	.13	1.4	1.3	LOI	4.0D	1	285	41
96	JUL	23	1423	46.34	18	50.52	155	16.42	17.33	24		.14	6.6	15.6	LOI -	2.5X	1	288	40
96	JUL	23	1431	17.37	18	56.38	155	16.69	14.37	31		.10	2.8	1.2	LOI	3.0X	2	247	31
96	JUL	23	1437	15.39	18	55.80	155	17.17	15.16	36		.10	2.2	3.7	LOI	3.3X	1	243	31
96	JUL	23	1443	23.39	18	51.81	155	14.65	12.63	31	1	.11	2.5	1.9	LOI	2.8X	2	274	40
96	JUL	23	1453	46.55	18	49.84	155	14.42	12.49	21		.08	6.9	4.7	LOI	2.5X	1	308	43
96	JUL	23	1457	47.79	18	54.98	155	17.41	17.29	14		.12	5.1	14.6	LOI -	2.3X	1	267	32
96	JUL	23	1503	20.32	19	0.35	155	17.81	10.33	7		.05	4.2	2.1	LOI	2.1X	1	276	24
96	JUL	23	1507	22.62	18	55.46	155	16.76	16.17	30		.11	2.4	15.6	LOI -	2.5X	2	259	32

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS		MAG	RD	GAP	DS
96	JUL	23	1518	34.59	18	51.45	155	15.09	10.41	30	4	.09	1.1	.5	LOI		2.5X	2	274	40
96	JUL	23	1518	43.48	18	56.47	155	16.52	17.23	36		.12	2.0	12.5	LOI	-	3.5X	1	240	31
96	JUL	23	1537	30.72	18	44.86	155	11.26	8.00	12		.09	11.9	5.6	LOI	-	2.5X	1	324	54
96	JUL	23	1548	27.96	18	49.96	155	14.74	13.46	25		.08	7.6	13.0	LOI	-	2.5X	1	307	43
96	JUL	23	1551	34.92	18	53.40	155	16.27	21.26	27		.10	4.0	5.4	LOI		2.5X	1	266	36
96	JUL	23	1629	22.34	18	53.35	155	15.91	13.32	33		.10	2.9	1.3	LOI		2.6X	2	267	36
96	JUL	23	1639	4.46	18	54.74	155	16.57	14.51	35		.11	1.8	2.3	LOI		3.1X	1	247	34
96	JUL	23	1642	42.98	18	55.76	155	14.70	9.07	17	1	.13	1.6	1.0	LOI		2.3X	1	279	34
96	JUL	23	1644	42.24	18	59.51	155	16.94	16.43	18	2	.11	2.2	15.0	LOI	-	2.4X	2	289	27
96	JUL	23	1647	30.17	18	53.51	155	15.45	13.32	17		.09	8.4	2.2	LOI		2.3X	1	301	37
96	JUL	23	1656	16.94	18	49.27	155	13.39	10.93	31	2	.10	2.7	1.5	LOI		2.9X	2	281	45
96	JUL	23	1657	39.39	18	55.12	155	16.11	13.87	39		.11	1.9	1.4	LOI		3.9D	1	244	34
96	JUL	23	1707	22.71	18	56.01	155	16.91	14.29	11		.13	4.3	1.9	LOI		2.3X	1	270	31
96	JUL	23	1725	26.29	18	57.62	155	18.04	12.45	13		.09	2.7	.8	LOI		2.0X	2	257	28
96	JUL	23	1735	46.66	18	55.15	155	16.90	17.75	18		.10	4.5	11.0	LOI	-	2.2X	1	278	33
96	JUL	23	1745	54.51	18	53.07	155	13.81	10.40	18	4	.14	1.8	.9	LOI		2.1X	2	257	39
96	JUL	23	1748	35.92	19	1.33	155	20.14	19.67	15		.13	3.5	3.6	LOI		2.3X	1	276	20
96	JUL	23	1758	18.45	18	53.81	155	16.23	27.99	26	4	.12	2.1	4.2	LOI		2.7X	2	284	35
96	JUL	23	1759	4.92	18	58.32	155	16.76	14.05	25	2	.13	2.0	1.1	LOI		3.1X	1	272	28
96	JUL	23	1802	15.26	18	54.98	155	15.83	13.73	18	3	.11	1.7	1.5	LOI		2.1X	2	297	34
96	JUL	23	1807	39.83	18	55.24	155	16.66	12.61	18		.15	4.5	1.1	LOI		2.3X	1	260	33
96	JUL	23	1825	11.74	18	55.57	155	14.84	12.83	27		.11	3.0	1.0	LOI		2.3X	1	263	34
96	JUL	23	1827	32.92	18	55.02	155	16.85	12.32	29		.11	3.2	.9	LOI		2.6X	2	261	33
96	JUL	23	1831	24.91	18	54.39	155	16.13	13.77	29		.10	3.4	1.4	LOI		2.6X	1	248	35
96	JUL	23	1837	36.81	18	50.13	155	13.22	10.34	25		.09	5.7	1.7	LOI		2.0X	2	292	44
96	JUL	23	1904	11.38	18	54.75	155	17.00	12.26	39		.11	2.5	.8	LOI		3.2X	2	262	33
96	JUL	23	1908	57.86	18	53.65	155	16.71	16.18	21	3	.13	2.7	13.1	LOI	-	2.3X	2	281	35
96	JUL	23	1940	25.42	18	54.07	155	14.81	11.67	25	6	.10	1.2	.7	LOI		2.1X	4	300	37
96	JUL	23	1942	37.99	18	50.77	155	13.52	8.61	18	4	.10	2.9	1.1	LOI		2.5X	3	329	47
96	JUL	23	1948	18.40	18	56.46	155	17.14	24.59	22	1	.08	2.5	3.7	LOI		2.8X	2	255	31
96	JUL	23	1948	38.01	18	55.20	155	15.94	14.03	25	2	.09	1.2	1.5	LOI		4.1D	1	244	34
96	JUL	23	2008	28.61	18	56.55	155	17.63	16.69	15		.11	3.4	15.1	LOI	-	2.3X	1	261	30
96	JUL	23	2009	49.62	18	53.78	155	15.40	11.58	18	3	.14	2.0	1.1	LOI		3.0X	1	282	36
96	JUL	23	2011	40.54	18	54.56	155	14.90	11.34	21	3	.16	3.3	.9	LOI		2.7X	1	265	36
96	JUL	23	2012	23.50	18	54.89	155	15.72	10.51	29	2	.11	1.7	.7	LOI		4.3D	1	246	34
96	JUL	23	2030	57.47	18	54.87	155	15.24	37.11	19	2	.10	3.6	2.8	LOI		2.5X	1	270	35
96	JUL	23	2034	27.47	18	52.88	155	17.98	14.83	22		.11	3.5	11.6	LOI	-	2.2X	3	266	35
96	JUL	23	2049	30.03	18	54.97	155	14.83	13.13	24	6	.12	1.7	1.0	LOI		2.3X	5	264	35
96	JUL	23	2103	58.42	18	57.47	155	15.55	13.50	22	3	.11	2.0	.7	LOI		2.5X	1	258	31
96	JUL	23	2106	57.74	18	52.15	155	13.75	10.94	22	3	.10	1.8	1.0	LOI		2.0X	3	274	40
96	JUL	23	2110	46.59	18	55.74	155	17.12	23.09	24		.08	2.5	4.6	LOI		2.9X	2	246	32
96	JUL	23	2127	18.83	18	54.54	155	15.90	16.30	23		.11	3.4	15.6	LOI	-	3.4X	2	263	35
96	JUL	23	2137	21.53	18	55.15	155	14.97	12.26	15		.10	4.4	1.0	LOI		1.9X	2	264	35
96	JUL	23	2144	32.70	18	58.13	155	18.75	13.05	17		.09	3.2	1.1	LOI		2.2X	4	254	36
96	JUL	23	2207	15.61	18	53.81	155	15.82	13.33	27	4	.10	1.4	1.0	LOI		2.7X	3	266	36

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS		MAG	RD	GAP	DS
96	JUL	23	2214	14.82	18	53.77	155	16.04	13.99	29		.10	3.3	2.1	LOI		2.6X	2	269	36
96	JUL	23	2217	40.04	18	53.99	155	15.47	13.10	28		.10	4.3	1.1	LOI		2.7X	1	266	36
96	JUL	23	2223	1.15	18	49.79	155	14.15	17.78	29	1	.09	2.2	13.3	LOI	-	2.0X	3	279	44
96	JUL	23	2239	28.13	19	0.79	155	16.52	12.55	17		.09	2.8	.7	LOI		1.9X	1	269	26
96	JUL	23	2251	53.72	18	53.55	155	15.66	13.54	36	1	.09	1.9	1.5	LOI		4.1D	1	266	36
96	JUL	23	2258	14.92	18	42.86	155	9.82	25.44	14		.12	12.5	10.0	LOI	-	1.4D	1	322	58
96	JUL	23	2304	6.35	18	49.30	155	13.62	8.81	20	5	.10	1.5	.9	LOI		2.4X	4	309	45
96	JUL	23	2304	33.08	18	58.27	155	15.59	12.13	20	1	.14	2.1	.9	LOI		3.1X	1	252	30
96	JUL	23	2313	28.09	18	56.51	155	17.34	14.99	27		.09	2.2	1.8	LOI		2.4X	1	254	30
96	JUL	23	2326	14.81	18	51.92	155	16.08	10.67	14		.10	6.0	1.6	LOI		2.6X	1	297	38
96	JUL	23	2342	41.48	18	54.56	155	15.83	13.65	26		.11	5.2	1.5	LOI		2.6X	1	280	35
96	JUL	23	2352	12.96	18	53.92	155	16.84	28.99	25	4	.12	1.7	4.3	LOI		2.5X	4	281	35
96	JUL	23	2358	45.74	18	49.13	155	14.92	9.22	31	1	.11	2.1	1.1	LOI		2.7X	2	296	49
96	JUL	24	3	55.34	19	15.99	155	30.45	0.03	25	4	.21	.5	.6	LSW	#	2.0X	5	87	12
96	JUL	24	5	8.18	18	52.48	155	16.12	10.58	30	1	.13	2.2	.8	LOI		3.2X	1	287	38
96	JUL	24	10	12.35	18	46.90	155	10.46	5.43	22	1	.14	3.5	1.8	LOI		2.6X	1	290	52
96	JUL	24	38	18.51	18	53.53	155	16.16	13.99	34		.10	3.3	1.9	LOI		2.5X	2	270	36
96	JUL	24	40	38.20	18	54.84	155	16.43	22.28	22	4	.10	1.7	7.1	LOI		2.3X	3	297	34
96	JUL	24	52	17.14	18	49.70	155	11.71	8.75	15	4	.10	1.4	1.0	LOI		1.9X	1	287	46
96	JUL	24	54	5.61	18	53.06	155	16.04	10.72	39		.10	2.6	.9	LOI		4.6D	1	251	37
96	JUL	24	58	41.04	18	49.11	155	13.64	9.60	35	3	.10	1.9	1.0	LOI		2.9X	4	264	45
96	JUL	24	124	47.52	18	51.16	155	15.89	12.58	19		.09	4.8	1.4	LOI		2.4X	2	287	40
96	JUL	24	151	15.60	18	49.96	155	15.22	10.16	20	5	.09	1.9	1.1	LOI		2.2X	3	315	42
96	JUL	24	154	34.99	18	52.14	155	15.09	13.95	27		.08	5.2	7.3	LOI		2.5X	2	286	39
96	JUL	24	208	59.87	18	53.00	155	16.20	13.44	35		.10	2.6	1.2	LOI		2.7X	2	271	37
96	JUL	24	215	53.05	18	54.14	155	15.53	12.65	25		.12	4.3	1.5	LOI		2.6X	1	287	36
96	JUL	24	226	32.60	18	53.57	155	15.98	26.09	15	2	.12	3.4	6.7	LOI		2.2X	2	306	41
96	JUL	24	250	45.56	18	53.06	155	15.11	14.84	34		.13	2.9	14.8	LOI	-	2.7X	2	267	38
96	JUL	24	303	53.47	18	52.35	155	14.77	10.60	17	4	.10	1.9	.8	LOI		2.2X	2	311	39
96	JUL	24	304	43.21	18	53.34	155	14.46	11.57	17		.07	7.5	1.2	LOI		2.0X	1	302	38
96	JUL	24	318	22.81	18	58.59	155	25.16	30.04	12	2	.09	2.4	3.8	DLS		2.0X	2	306	21
96	JUL	24	320	11.69	18	52.92	155	14.44	11.27	22		.10	7.6	2.0	LOI		2.5X	2	302	39
96	JUL	24	325	16.19	18	54.28	155	15.45	13.30	26		.10	5.3	1.5	LOI		2.2X	1	287	36
96	JUL	24	345	11.22	18	56.23	155	17.18	15.57	13		.08	3.7	11.5	LOI	-	2.2X	2	263	31
96	JUL	24	349	9.96	18	59.64	155	17.04	13.36	17	1	.11	2.1	.7	LOI		2.3X	2	294	26
96	JUL	24	351	2.74	18	52.39	155	15.09	13.05	32	1	.09	2.4	2.0	LOI		4.2D	1	271	39
96	JUL	24	420	34.57	18	53.16	155	16.47	13.67	22		.10	4.2	1.4	LOI		2.1X	1	282	36
96	JUL	24	426	23.34	18	51.44	155	13.84	13.46	29		.11	7.1	12.9	LOI	-	2.7X	1	305	41
96	JUL	24	430	1.91	18	55.57	155	16.52	14.09	25		.14	3.0	1.5	LOI		2.6X	1	259	33
96	JUL	24	445	39.86	18	54.52	155	17.09	15.01	19		.06	2.4	3.6	LOI		2.2X	2	265	33
96	JUL	24	451	22.32	18	56.53	155	16.80	14.97	26		.10	2.2	1.9	LOI		2.3X	3	256	31
96	JUL	24	452	38.46	18	54.38	155	16.45	14.34	36		.09	1.9	3.2	LOI		3.3X	1	248	34
96	JUL	24	511	8.82	18	56.15	155	16.67	32.39	32	5	.12	1.8	1.5	LOI		2.2X	3	257	32
96	JUL	24	525	42.18	18	55.89	155	16.35	10.68	31		.14	2.8	.6	LOI		2.4X	1	258	32
96	JUL	24	529	48.87	18	52.84	155	16.54	11.44	9		.14	8.5	2.2	LOI		2.0X	1	301	37

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	24	545	59.60	18	53.28	155	16.34	13.04	28		.08	2.8	1.0	LOI	2.8X	1	270	36
96	JUL	24	549	42.63	18	31.71	155	13.70	48.93	19	1	.11	8.8	5.7	DIS	3.2X	1	312	68
96	JUL	24	554	35.41	18	57.53	155	14.86	14.14	14	1	.10	2.3	3.3	LOI	1.7X	1	302	35
96	JUL	24	555	53.07	18	48.12	155	14.69	8.88	21	1	.11	2.8	1.9	LOI	2.7X	2	310	51
96	JUL	24	628	7.82	18	54.50	155	13.87	11.92	24	4	.11	1.6	.7	LOI	2.4X	3	268	37
96	JUL	24	650	28.22	19	0.58	155	17.38	6.14	10		.10	4.8	12.1	LOI -	2.1X	1	284	25
96	JUL	24	652	49.24	18	53.32	155	16.19	13.61	38	2	.11	1.5	1.2	LOI	4.1D	1	250	36
96	JUL	24	655	31.79	18	56.21	155	16.67	15.65	20		.10	3.5	14.6	LOI -	2.9X	1	257	31
96	JUL	24	659	5.91	18	51.72	155	15.12	12.41	23	2	.08	1.9	1.2	LOI	3.0X	2	287	40
96	JUL	24	705	52.70	18	54.18	155	15.94	14.75	32		.10	2.9	9.3	LOI	2.4X	2	265	35
96	JUL	24	707	8.32	18	52.54	155	15.77	13.53	23		.09	4.6	1.6	LOI	2.8X	1	285	38
96	JUL	24	722	37.14	18	53.63	155	13.72	11.33	17	5	.13	1.3	.6	LOI	2.0X	3	270	38
96	JUL	24	728	31.91	18	56.02	155	17.05	14.83	30		.11	1.8	1.9	LOI	2.8X	1	256	31
96	JUL	24	738	50.52	18	55.36	155	16.72	14.53	38		.10	1.5	1.6	LOI	4.9D	1	243	33
96	JUL	24	854	15.28	18	40.93	155	11.74	26.26	21		.14	10.0	8.3	LOI -	2.7X	1	320	65
96	JUL	24	918	42.20	18	50.71	155	11.89	17.56	16		.09	6.0	14.0	LOI -	2.2X	1	293	45
96	JUL	24	1015	42.80	18	49.45	155	14.29	11.27	18	1	.16	3.1	1.9	LOI	2.6X	2	308	44
96	JUL	24	1101	9.54	19	0.34	155	17.21	9.70	12		.04	3.2	.9	LOI	2.2X	1	262	25
96	JUL	24	1127	7.32	18	59.00	155	17.61	11.42	20	4	.10	1.6	.8	LOI	3.3X	1	244	34
96	JUL	24	1152	28.36	18	51.33	155	15.22	17.82	18		.09	6.3	13.2	LOI -	2.3X	1	299	40
96	JUL	24	1211	23.32	18	58.30	155	15.49	5.88	12		.12	6.0	12.6	LOI -	2.0X	2	294	30
96	JUL	24	1213	1.88	18	50.16	155	14.33	11.47	23		.11	7.3	1.7	LOI	2.3X	1	291	43
96	JUL	24	1232	3.13	18	51.03	155	16.33	21.89	15		.14	7.3	8.2	LOI	2.4X	1	287	40
96	JUL	24	1256	36.75	18	48.88	155	13.98	11.24	19		.08	6.0	2.4	LOI	2.3X	1	296	45
96	JUL	24	1312	13.86	18	54.33	155	15.94	13.97	33	1	.09	1.9	1.6	LOI	3.3X	1	248	35
96	JUL	24	1355	4.55	18	54.84	155	16.58	13.88	31		.13	3.0	1.5	LOI	2.9X	2	261	34
96	JUL	24	1416	2.50	18	48.52	155	13.69	4.84	28		.12	5.6	2.8	LOI	3.0D	1	297	46
96	JUL	24	1425	28.43	18	53.31	155	14.36	12.06	28	1	.15	3.1	1.2	LOI	2.1D	1	270	38
96	JUL	24	1443	53.30	19	1.10	155	16.43	8.58	14		.17	4.4	2.4	LOI	2.3X	1	282	25
96	JUL	24	1452	9.02	18	58.94	155	17.69	11.71	18	3	.07	1.1	.6	LOI	2.3X	2	285	26
96	JUL	24	1510	45.30	18	52.51	155	16.06	15.57	31		.10	3.7	15.0	LOI -	2.8X	1	272	38
96	JUL	24	1528	34.86	18	50.15	155	16.47	6.23	10		.08	5.3	3.1	LOI	2.3D	1	289	41
96	JUL	24	1546	55.48	18	54.09	155	16.71	11.49	26	2	.09	1.6	.8	LOI	3.1X	2	283	43
96	JUL	24	1601	47.68	18	56.70	155	17.06	15.93	13		.10	2.7	11.7	LOI -	2.2X	1	254	30
96	JUL	24	1624	22.43	18	52.17	155	13.17	11.48	13	3	.10	1.2	.7	LOI	2.7X	1	285	41
96	JUL	24	1633	41.48	18	43.18	155	15.55	2.49	13		.06	7.3	7.9	LOI -	2.5X	1	317	53
96	JUL	24	1637	55.51	18	57.77	155	15.02	0.01	13	1	.15	7.3	1.5	LOI #	2.5X	1	255	31
96	JUL	24	1644	7.41	18	57.15	155	16.82	26.52	19	4	.11	2.3	3.4	LOI	2.9X	1	261	30
96	JUL	24	1645	22.44	18	56.08	155	17.46	15.38	27		.10	2.4	6.9	LOI	4.2D	1	242	31
96	JUL	24	1657	54.27	18	54.90	155	16.56	14.36	26		.10	2.7	1.8	LOI	2.6X	1	250	33
96	JUL	24	1658	9.41	18	55.37	155	17.41	16.07	22		.08	2.0	14.3	LOI -	4.0D	1	243	32
96	JUL	24	1711	23.13	18	56.38	155	16.88	14.69	19		.11	2.6	1.2	LOI	2.3X	1	255	31
96	JUL	24	1727	18.07	18	49.97	155	14.17	11.38	20		.09	6.9	1.5	LOI	2.5X	1	307	43
96	JUL	24	1728	13.54	18	55.28	155	16.05	17.90	19		.11	3.8	11.8	LOI -	2.3X	1	261	33
96	JUL	24	1733	48.23	18	55.85	155	17.08	14.78	22		.11	2.9	1.6	LOI	2.2X	2	258	32

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	24	1737	45.51	18	54.95	155	16.36	13.49	11	1	.10	2.7	1.0	LOI	2.0X	1	274	34
96	JUL	24	1807	40.08	18	54.00	155	14.37	7.01	11		.13	4.1	12.5	LOI -	2.2X	1	268	37
96	JUL	24	1813	48.01	18	54.87	155	15.80	15.38	25	4	.10	4.2	7.7	LOI	4.0D	1	285	34
96	JUL	24	1825	4.95	18	55.89	155	16.77	14.59	39	1	.10	1.5	1.6	LOI	2.8X	3	242	32
96	JUL	24	1827	17.44	18	53.75	155	15.06	11.72	20		.14	2.9	1.0	LOI	2.4X	1	268	37
96	JUL	24	1829	59.72	18	46.72	155	17.28	17.29	19	8	.10	1.2	15.1	LOI -	2.8X	2	311	56
96	JUL	24	1849	55.49	18	59.71	155	19.02	17.97	23	3	.11	1.6	4.2	LOI	2.1X	2	238	24
96	JUL	24	1859	44.63	18	44.87	155	12.93	8.21	14		.09	10.3	3.7	LOI -	2.3X	1	315	52
96	JUL	24	1929	47.00	18	55.53	155	17.14	14.23	15		.12	3.0	1.5	LOI	2.5X	1	258	32
96	JUL	24	1945	57.87	18	55.64	155	16.42	13.52	28		.11	2.6	1.1	LOI	2.4X	2	259	33
96	JUL	24	2001	50.23	18	55.22	155	16.60	14.73	26	6	.12	.9	1.3	LOI	2.5X	2	260	33
96	JUL	24	2012	47.73	18	48.83	155	13.92	23.02	31	5	.13	1.8	6.2	LOI	2.4X	2	282	45
96	JUL	24	2016	15.19	18	55.89	155	16.78	17.53	15		.09	2.7	12.1	LOI -	2.4X	2	257	32
96	JUL	25	27	33.02	18	55.15	155	16.24	28.76	12		.11	3.0	4.8	LOI	2.2X	1	268	33
96	JUL	25	316	59.46	18	50.28	155	14.90	24.41	22	2	.10	1.9	5.0	LOI	2.7X	1	290	42
96	JUL	25	516	22.77	18	53.43	155	16.52	13.87	34		.11	3.4	1.9	LOI	2.7X	1	270	36
96	JUL	25	618	46.27	18	56.24	155	17.32	20.58	12		.09	2.8	6.9	LOI	1.9X	1	256	31
96	JUL	25	622	36.40	18	51.75	155	15.53	10.37	29	2	.13	1.7	.8	LOI	2.3X	4	287	39
96	JUL	25	703	23.31	18	53.79	155	16.27	13.94	27		.09	3.7	1.7	LOI	3.0X	1	271	35
96	JUL	25	721	6.71	18	55.28	155	16.22	14.52	24	3	.09	1.0	1.3	LOI	2.4X	2	261	33
96	JUL	25	809	39.40	18	50.24	155	12.49	9.48	22	5	.10	1.5	.9	LOI	2.9X	2	285	45
96	JUL	25	837	1.77	18	47.31	155	14.43	10.20	15	5	.11	1.6	1.3	LOI	2.1X	1	312	47
96	JUL	25	839	43.81	18	56.60	155	17.57	14.99	28		.12	1.9	2.1	LOI	2.2X	2	254	30
96	JUL	25	1132	3.87	19	38.32	156	16.76	17.90	21	4	.14	2.8	15.6	KON -	1.8X	1	309	41
96	JUL	25	1323	46.84	18	56.00	155	17.09	14.82	22		.10	2.9	1.6	LOI	2.1X	1	256	31
96	JUL	25	1416	18.04	18	55.16	155	16.68	14.63	34		.10	2.4	2.0	LOI	3.3X	1	245	33
96	JUL	25	1508	54.01	18	53.97	155	16.52	13.66	25		.10	3.1	1.1	LOI	2.4X	1	264	35
96	JUL	25	1536	35.64	18	54.57	155	17.38	6.35	30		.16	2.7	1.4	LOI	2.9X	2	264	42
96	JUL	25	1708	5.90	18	53.29	155	16.87	13.04	15		.09	3.8	1.7	LOI	2.2X	1	282	36
96	JUL	25	1813	11.37	18	52.05	155	15.37	12.84	31		.10	4.1	1.6	LOI	2.8X	1	286	39
96	JUL	25	1835	21.48	18	54.64	155	16.61	14.11	34		.11	2.3	1.4	LOI	2.9X	1	247	34
96	JUL	25	1902	1.00	18	53.95	155	15.13	12.25	25	5	.14	1.5	1.0	LOI	2.8X	3	253	36
96	JUL	25	2047	27.77	18	50.82	155	12.48	10.52	15	4	.12	1.3	.9	LOI	2.0X	2	279	44
96	JUL	25	2106	29.24	18	53.40	155	15.77	13.67	26		.09	2.9	1.5	LOI	2.1X	2	270	37
96	JUL	25	2157	29.17	18	55.30	155	15.98	5.60	16	2	.15	1.7	2.3	LOI	2.3X	1	268	33
96	JUL	25	2200	17.69	18	53.05	155	15.82	13.60	27		.10	3.5	1.5	LOI	2.4X	1	268	37
96	JUL	25	2209	11.48	19	16.70	155	17.17	13.08	35	3	.11	.4	.4	DEP	1.9X	3	150	3
96	JUL	25	2228	36.45	18	53.79	155	15.82	13.25	35		.13	2.8	1.3	LOI	2.8X	1	253	36
96	JUL	25	2303	8.12	18	48.41	155	14.40	13.33	27	9	.13	6.7	9.7	LOI -	2.5X	5	310	46
96	JUL	25	2311	13.70	18	51.76	155	16.01	7.54	29		.10	3.5	1.1	LOI	2.6X	1	274	47
96	JUL	25	2318	30.17	19	22.59	155	25.09	11.23	39	5	.10	.4	.5	KAO	1.3X	1	63	4
96	JUL	25	2339	26.18	18	46.86	155	13.00	9.57	21		.07	8.7	3.0	LOI	2.1X	1	313	49
96	JUL	26	125	2.06	18	53.73	155	16.15	13.54	33		.12	3.1	1.4	LOI	2.9X	1	253	36
96	JUL	26	131	28.61	18	51.49	155	15.02	9.28	26		.09	5.2	1.6	LOI	2.3X	2	288	40
96	JUL	26	219	38.84	18	53.74	155	16.24	13.71	36		.10	2.8	1.7	LOI	3.8D	1	266	36

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	26	232	48.08	18	51.18	155	14.56	12.14	24		.09	5.9	1.8	LOI	2.1X	2	289	41
96	JUL	26	316	19.99	18	53.77	155	16.04	9.33	38	1	.14	1.6	.7	LOI	2.8X	1	265	36
96	JUL	26	324	15.22	18	55.32	155	16.78	28.65	29	7	.13	1.5	3.0	LOI	2.2X	4	260	33
96	JUL	26	324	49.29	18	55.90	155	16.88	16.08	26		.08	1.9	14.0	LOI -	4.4D	1	241	32
96	JUL	26	336	6.39	18	54.63	155	15.26	12.47	24	1	.12	2.5	.9	LOI	2.1X	2	252	35
96	JUL	26	337	58.37	18	53.64	155	16.25	13.63	19		.09	3.7	1.2	LOI	2.4X	1	266	36
96	JUL	26	342	14.57	18	53.85	155	14.67	10.32	31		.15	2.1	.8	LOI	2.8X	1	254	37
96	JUL	26	436	44.16	18	57.71	155	16.58	16.31	20	4	.12	2.3	13.4	LOI -	2.0X	2	290	29
96	JUL	26	502	59.75	19	10.86	155	33.36	0.02	41	5	.16	.6	.3	LSW	2.4X	1	104	10
96	JUL	26	537	58.14	18	55.92	155	17.58	14.45	18		.10	2.5	1.1	LOI	1.9X	1	256	31
96	JUL	26	544	2.27	18	55.15	155	16.83	15.07	39		.11	2.0	4.8	LOI	3.9D	1	244	33
96	JUL	26	550	59.76	18	54.43	155	16.33	15.08	22		.07	3.1	9.1	LOI	2.8X	3	263	34
96	JUL	26	625	45.17	18	54.97	155	16.30	14.79	38		.11	2.0	3.8	LOI	3.6X	1	245	34
96	JUL	26	656	3.61	18	55.55	155	16.70	14.55	31	1	.10	2.2	1.4	LOI	2.2X	3	277	32
96	JUL	26	703	10.17	18	52.73	155	15.93	13.22	33	3	.10	1.6	1.0	LOI	2.6X	3	269	37
96	JUL	26	841	23.61	19	24.95	155	19.33	6.44	36	10	.11	.3	.7	KAO	1.8X	1	43	2
96	JUL	26	934	34.54	18	51.76	155	14.37	10.55	19	4	.09	1.1	.6	LOI	1.8X	3	305	40
96	JUL	26	939	2.05	18	57.19	155	15.36	13.27	25	1	.10	4.1	.8	LOI	2.7X	1	256	32
96	JUL	26	941	48.06	18	49.69	155	14.90	30.09	20		.10	8.6	6.5	LOI -	2.3X	2	308	43
96	JUL	26	950	38.99	18	54.40	155	15.26	12.67	26	1	.10	2.6	1.0	LOI	2.6X	2	265	36
96	JUL	26	955	57.18	18	56.10	155	16.56	22.35	19	4	.10	1.5	4.7	LOI	2.5X	1	257	32
96	JUL	26	1114	44.75	18	53.23	155	16.43	10.71	26		.16	5.8	1.4	LOI	2.4X	1	291	36
96	JUL	26	1145	48.26	18	51.90	155	14.84	12.45	26		.08	6.2	1.5	LOI	2.8X	1	304	40
96	JUL	26	1201	35.45	18	54.73	155	15.83	13.30	24	4	.10	1.3	.9	LOI	2.2X	2	263	34
96	JUL	26	1202	32.38	18	54.59	155	16.19	14.08	39	1	.10	1.8	1.8	LOI	4.1D	1	247	34
96	JUL	26	1303	36.68	18	52.64	155	15.62	13.04	20		.07	4.3	1.5	LOI	2.5X	1	284	38
96	JUL	26	1331	24.94	19	3.70	155	18.21	14.36	14	1	.13	1.8	.7	LOI	2.9X	1	230	20
96	JUL	26	1359	47.80	18	56.55	155	16.55	14.91	27	3	.09	1.2	2.0	LOI	3.3X	1	240	31
96	JUL	26	1428	23.38	18	54.00	155	16.40	13.52	21		.06	3.0	1.1	LOI	2.2X	1	265	35
96	JUL	26	1521	5.69	18	55.19	155	15.51	9.19	24		.11	2.8	.8	LOI	2.7X	2	263	34
96	JUL	26	1541	35.57	18	46.61	155	13.92	6.23	19	4	.13	1.4	.9	LOI	2.8X	3	313	49
96	JUL	26	1558	14.45	18	53.24	155	15.76	13.40	30		.12	3.2	1.5	LOI	2.6X	2	267	37
96	JUL	26	1559	45.84	18	45.04	155	13.71	9.75	24	1	.07	5.7	2.6	LOI	3.0X	1	291	52
96	JUL	26	1606	16.40	18	46.87	155	13.13	9.67	12		.06	10.2	3.7	LOI -	2.1X	1	312	49
96	JUL	26	1658	23.13	18	51.01	155	15.10	12.81	20		.08	6.7	2.3	LOI	2.3X	1	305	41
96	JUL	26	1715	14.50	18	49.37	155	15.58	12.13	16		.09	6.9	2.4	LOI	2.5X	1	296	43
96	JUL	26	1733	23.87	18	54.17	155	16.15	13.81	35		.11	2.2	1.5	LOI	3.8D	1	248	35
96	JUL	26	1805	16.72	18	51.10	155	14.01	10.88	19	5	.10	1.1	.9	LOI	2.3X	3	276	42
96	JUL	26	1805	41.32	18	52.20	155	17.16	9.45	27	6	.13	1.3	.8	LOI	4.3D	1	287	43
96	JUL	26	1819	22.35	18	55.02	155	16.92	13.93	20	3	.12	1.9	1.2	LOI	2.5X	1	261	33
96	JUL	26	1827	38.30	18	56.14	155	16.72	16.24	25		.09	2.0	14.3	LOI -	4.0D	1	241	31
96	JUL	26	1837	2.22	18	55.87	155	17.03	16.00	10		.09	3.4	14.5	LOI -	2.4X	1	258	32
96	JUL	26	1843	40.30	18	55.18	155	15.08	12.19	10	1	.08	4.5	.9	LOI	2.3X	1	264	35
96	JUL	26	1853	46.18	18	55.78	155	16.29	14.37	26		.13	2.5	1.3	LOI	3.5D	1	243	32
96	JUL	26	1921	27.79	18	56.69	155	16.76	14.74	20		.09	2.0	1.5	LOI	2.7X	3	240	31

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	26	1925	32.40	18	55.16	155	14.54	11.48	27		.12	1.9	.6	LOI	2.8X	1	250	35
96	JUL	26	1935	12.57	18	54.68	155	16.01	11.24	14	3	.10	1.7	.9	LOI	2.3X	1	263	34
96	JUL	26	1946	3.47	18	56.24	155	18.81	20.27	17	3	.14	1.8	5.2	LOI	2.5X	1	260	29
96	JUL	26	1950	29.77	18	52.49	155	15.83	9.92	31	8	.11	1.0	.7	LOI	3.4X	2	268	38
96	JUL	26	2015	9.43	18	55.34	155	16.27	16.98	14	3	.08	1.9	13.8	LOI -	2.0X	1	304	33
96	JUL	26	2033	25.24	18	48.65	155	13.72	8.73	29	1	.11	3.8	1.5	LOI	2.3X	2	269	46
96	JUL	26	2045	28.01	18	55.48	155	15.26	12.31	28		.11	2.3	.7	LOI	2.4X	2	245	34
96	JUL	26	2058	48.70	18	51.60	155	15.97	15.01	24		.10	5.1	15.1	LOI -	2.4X	1	272	39
96	JUL	26	2103	56.09	18	55.30	155	16.45	13.61	25		.11	2.4	.9	LOI	2.5X	1	260	33
96	JUL	26	2127	26.21	18	53.47	155	16.23	14.01	25		.10	2.7	1.5	LOI	2.3X	1	254	36
96	JUL	26	2130	50.79	18	54.80	155	15.64	7.01	11		.13	3.5	13.0	LOI -	2.3X	2	264	35
96	JUL	26	2135	27.94	18	54.03	155	16.30	14.03	32		.11	2.0	2.2	LOI	2.9X	1	253	35
96	JUL	26	2204	35.77	18	52.45	155	15.71	12.23	24		.11	4.8	1.0	LOI	2.7X	1	290	38
96	JUL	26	2205	39.17	18	54.47	155	16.46	14.25	36		.10	1.6	2.4	LOI	4.3D	1	247	34
96	JUL	26	2209	47.76	18	55.11	155	14.11	11.66	15	1	.11	2.3	.9	LOI	2.7X	2	265	36
96	JUL	26	2218	23.00	18	50.09	155	14.86	10.53	23		.09	5.0	1.3	LOI	2.5X	2	290	42
96	JUL	26	2236	32.31	18	51.78	155	14.59	10.72	24	8	.08	1.0	.6	LOI	2.3X	4	274	40
96	JUL	26	2304	57.28	18	52.75	155	15.84	13.16	22		.10	4.3	1.5	LOI	2.2X	2	289	37
96	JUL	26	2321	56.69	18	52.42	155	15.55	13.70	26		.09	4.7	3.6	LOI	2.5X	1	290	38
96	JUL	26	2324	24.35	18	49.93	155	15.52	15.00	28		.17	4.2	18.9	LOI -	3.1X	1	274	42
96	JUL	26	2355	28.54	18	52.02	155	15.57	12.64	25		.10	4.5	1.2	LOI	2.4X	2	273	39
96	JUL	27	9	27.29	18	55.43	155	16.29	14.47	38		.11	1.7	2.3	LOI	4.1D	1	243	33
96	JUL	27	15	2.16	18	54.61	155	15.96	12.96	23	2	.09	1.8	1.0	LOI	3.0X	3	251	35
96	JUL	27	25	47.40	18	54.84	155	16.28	14.67	36		.10	1.9	3.5	LOI	4.4D	1	245	34
96	JUL	27	43	49.39	18	52.63	155	15.73	10.15	21	5	.10	1.0	.6	LOI	2.7X	2	302	38
96	JUL	27	123	56.11	18	54.24	155	17.38	9.30	18		.09	3.1	.7	LOI	2.1X	1	278	43
96	JUL	27	132	12.77	18	53.49	155	15.67	14.18	19	3	.10	2.3	3.4	LOI	2.4X	2	282	36
96	JUL	27	141	1.37	18	53.00	155	15.60	12.19	27		.09	2.8	1.1	LOI	2.3X	1	269	37
96	JUL	27	145	37.35	18	50.44	155	14.60	11.47	25	7	.10	.9	.7	LOI	2.8X	3	264	42
96	JUL	27	159	6.21	18	54.64	155	16.15	14.01	38		.11	1.7	1.8	LOI	3.2X	1	246	34
96	JUL	27	203	25.80	18	51.83	155	16.15	15.69	24	7	.10	4.1	10.0	LOI -	3.4X	1	291	39
96	JUL	27	217	45.90	18	56.46	155	17.31	14.72	38		.13	1.6	1.2	LOI	4.0D	1	239	30
96	JUL	27	226	3.10	18	53.20	155	15.56	13.31	30		.09	3.2	1.4	LOI	2.5X	2	271	37
96	JUL	27	305	48.95	18	54.68	155	15.98	12.79	23		.10	2.9	1.1	LOI	2.6X	1	251	34
96	JUL	27	850	6.16	18	56.79	155	16.98	19.94	12		.08	2.7	7.0	LOI	2.3X	1	254	30
96	JUL	27	905	57.16	18	55.28	155	16.16	13.32	23	5	.11	1.1	.8	LOI	2.3X	3	261	33
96	JUL	27	914	3.21	18	52.83	155	15.47	13.53	31	1	.10	2.1	1.7	LOI	2.4X	4	259	38
96	JUL	27	920	38.39	18	52.14	155	17.07	17.66	19	7	.11	1.3	13.3	LOI -	2.9X	2	295	37
96	JUL	27	955	10.17	18	56.20	155	17.23	16.41	18	3	.08	1.4	11.7	LOI -	2.5X	1	269	31
96	JUL	27	1017	2.12	18	49.15	155	15.34	11.79	23		.09	5.7	1.6	LOI	2.5X	1	292	44
96	JUL	27	1022	5.14	18	54.89	155	15.20	18.80	22	6	.13	1.3	8.1	LOI	2.7X	3	263	35
96	JUL	27	1029	48.24	18	57.69	155	16.51	14.72	25	1	.10	1.4	1.3	LOI	3.3X	1	236	30
96	JUL	27	1032	18.92	18	55.62	155	14.99	30.96	24	7	.12	1.5	3.3	LOI	2.8X	2	261	34
96	JUL	27	1033	3.31	18	54.09	155	16.35	9.87	21	4	.11	1.5	.6	LOI	3.0X	3	265	35
96	JUL	27	1054	15.33	18	56.32	155	16.65	14.08	28		.10	1.4	1.2	LOI	2.8X	2	241	31

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	27	1131	34.35	18	52.93	155	16.24	13.58	26		.08	4.0	1.4	LOI	2.5X	1	284	37
96	JUL	27	1136	40.75	18	53.92	155	16.20	13.86	31		.08	2.6	1.5	LOI	2.9X	1	250	35
96	JUL	27	1147	58.47	18	55.42	155	14.88	12.04	26		.10	3.0	.7	LOI	2.7X	2	263	35
96	JUL	27	1202	13.82	18	55.15	155	16.61	14.42	38		.10	1.6	2.2	LOI	4.6D	1	244	33
96	JUL	27	1210	6.79	18	54.77	155	16.13	14.50	35		.11	2.3	4.6	LOI	4.4D	1	246	34
96	JUL	27	1214	49.22	18	45.90	155	7.10	28.68	20	7	.14	2.3	7.4	LOI	2.9X	2	294	57
96	JUL	27	1217	6.38	18	55.44	155	16.21	14.28	26		.08	2.4	1.8	LOI	2.2X	2	244	33
96	JUL	27	1218	26.90	18	53.65	155	16.07	13.47	39	2	.12	1.7	1.4	LOI	4.1D	1	250	36
96	JUL	27	1244	51.97	18	55.30	155	15.71	0.17	20	1	.19	2.7	.8	LOI	2.3X	1	261	34
96	JUL	27	1304	9.66	19	0.34	155	16.18	3.92	21		.10	3.3	2.2	LOI	2.4X	1	286	27
96	JUL	27	1308	6.74	18	54.57	155	17.57	10.58	21	4	.11	1.5	.7	LOI	2.7X	2	283	38
96	JUL	27	1325	23.53	18	47.05	155	13.31	7.60	12		.08	7.4	2.0	LOI	2.4X	2	312	49
96	JUL	27	1337	36.81	18	55.93	155	15.79	14.03	32		.10	2.1	1.2	LOI	2.8X	2	250	33
96	JUL	27	1350	52.38	18	55.78	155	14.67	5.35	10		.08	5.1	11.9	LOI -	2.1X	1	279	34
96	JUL	27	1354	39.16	18	53.68	155	14.32	11.62	21	5	.08	.9	.6	LOI	2.3X	2	269	38
96	JUL	27	1358	22.51	18	54.31	155	13.87	10.89	18	1	.09	3.6	.8	LOI	2.7X	2	268	37
96	JUL	27	1359	12.07	18	55.16	155	16.07	13.77	36		.11	1.8	1.2	LOI	3.8D	1	244	34
96	JUL	27	1423	50.60	18	53.73	155	15.49	26.65	26	10	.13	1.5	4.8	LOI	2.5X	3	267	36
96	JUL	27	1442	44.84	18	54.16	155	14.70	12.11	26	3	.11	1.5	1.0	LOI	2.5X	2	267	37
96	JUL	27	1445	49.27	18	51.19	155	14.85	12.07	17		.06	5.3	2.0	LOI	2.6X	1	291	41
96	JUL	27	1510	38.71	18	55.83	155	16.30	14.93	41	1	.09	1.5	2.6	LOI	3.3X	1	242	32
96	JUL	27	1513	1.90	18	45.83	155	12.55	20.80	27	4	.12	1.7	9.8	LOI	3.3X	2	282	51
96	JUL	27	1520	57.89	18	47.41	155	14.04	10.18	17		.10	9.0	2.2	LOI	2.4X	2	312	47
96	JUL	27	1525	51.33	18	53.38	155	15.26	11.54	31		.11	2.8	.6	LOI	3.3X	2	252	37
96	JUL	27	1539	54.34	18	55.17	155	16.52	14.42	17		.07	2.8	1.3	LOI	2.3X	1	260	33
96	JUL	27	1544	28.02	18	54.61	155	16.42	13.77	28		.10	2.8	1.3	LOI	4.2D	1	247	34
96	JUL	27	1546	22.56	18	52.90	155	15.55	13.64	30	1	.11	1.7	1.3	LOI	4.4D	1	268	37
96	JUL	27	1558	13.10	18	51.13	155	15.03	10.23	8		.05	8.1	2.3	LOI	2.0X	1	305	41
96	JUL	27	1615	10.00	18	48.85	155	13.78	10.16	36	4	.11	1.4	1.2	LOI	3.3X	1	294	45
96	JUL	27	1621	7.01	18	57.75	155	16.83	8.25	23		.16	2.2	1.4	LOI	2.5X	2	240	29
96	JUL	27	1637	41.10	18	55.08	155	16.58	13.68	24		.11	2.8	1.3	LOI	2.5X	1	260	33
96	JUL	27	1640	15.70	18	52.11	155	14.37	10.27	27	2	.08	1.6	.6	LOI	2.6X	2	273	40
96	JUL	27	1647	20.78	18	56.10	155	16.76	14.36	23		.10	2.3	1.1	LOI	2.3X	1	257	31
96	JUL	27	1702	55.35	18	42.59	155	12.60	7.27	34	6	.11	1.1	1.4	LOI	4.7D	1	296	56
96	JUL	27	1725	52.19	18	53.87	155	16.56	11.08	28		.12	3.8	1.0	LOI	2.7X	1	269	35
96	JUL	27	1737	24.88	18	47.53	155	14.18	10.91	26		.09	7.8	2.3	LOI	2.7X	1	311	47
96	JUL	27	1821	32.59	18	57.50	155	18.35	16.73	19		.10	1.7	13.8	LOI -	3.0X	2	235	28
96	JUL	27	1838	23.38	18	53.91	155	16.62	10.71	21	3	.10	1.2	.6	LOI	2.5X	1	283	40
96	JUL	27	1839	4.62	18	57.04	155	16.30	14.34	22	1	.08	1.4	1.1	LOI	3.3X	1	237	31
96	JUL	27	1851	49.18	18	54.74	155	16.06	14.17	38		.11	1.8	2.6	LOI	4.3D	1	246	34
96	JUL	27	1902	41.79	18	48.02	155	13.01	9.32	20		.09	9.0	2.8	LOI	2.4X	1	311	47
96	JUL	27	1919	40.62	18	48.98	155	14.87	16.91	12		.07	9.0	13.7	LOI -	2.2X	1	308	44
96	JUL	27	1931	33.14	18	53.88	155	15.67	9.76	28		.20	2.8	1.0	LOI	3.1X	1	250	36
96	JUL	27	1936	14.56	18	54.24	155	13.95	6.21	22	5	.16	1.2	2.0	LOI	2.6X	3	248	37
96	JUL	27	1937	6.70	18	54.70	155	16.49	10.79	38		.09	2.3	.8	LOI	3.8D	1	262	34

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	27	1939	16.66	18	48.51	155	15.24	11.90	23	2	.07	1.8	1.7	LOI	2.6X	1	281	45
96	JUL	27	2003	56.11	18	52.57	155	15.30	12.03	21		.07	2.9	1.2	LOI	3.5D	1	271	38
96	JUL	27	2010	31.14	18	54.97	155	14.21	11.47	21	7	.09	1.0	.6	LOI	2.5X	3	266	36
96	JUL	27	2018	28.52	18	54.59	155	15.88	13.71	22		.10	4.1	1.7	LOI	2.5X	2	282	35
96	JUL	27	2021	6.79	18	55.19	155	15.73	11.62	25	1	.11	2.1	.8	LOI	2.7X	1	245	34
96	JUL	27	2023	47.66	18	55.75	155	15.91	11.75	22	7	.09	1.1	.6	LOI	2.7X	3	259	33
96	JUL	27	2028	40.93	18	53.71	155	15.65	13.41	36		.11	2.5	1.3	LOI	2.8X	2	265	36
96	JUL	27	2034	19.66	18	59.93	155	15.95	10.43	13	1	.09	3.1	1.2	LOI	2.5X	1	245	27
96	JUL	27	2050	19.15	18	56.54	155	15.78	16.74	31		.12	1.8	15.2	LOI -	2.9X	2	241	32
96	JUL	27	2053	32.09	18	54.34	155	15.84	12.55	23		.11	3.4	1.5	LOI	2.4X	1	264	35
96	JUL	27	2057	27.54	18	51.46	155	15.25	10.89	22		.09	3.9	1.3	LOI	2.2X	1	275	40
96	JUL	27	2116	57.86	18	55.54	155	16.26	12.97	22		.12	2.8	.9	LOI	2.8X	1	244	33
96	JUL	27	2120	27.78	18	47.79	155	13.97	10.39	15		.08	7.6	1.9	LOI	2.2X	1	297	47
96	JUL	27	2134	26.92	18	50.36	155	14.00	8.19	23	8	.12	1.1	.8	LOI	2.8X	3	278	43
96	JUL	27	2137	17.67	18	51.22	155	14.74	10.50	28		.12	2.7	.9	LOI	2.7X	1	271	41
96	JUL	27	2142	2.40	18	54.49	155	16.08	13.91	38		.11	1.8	1.5	LOI	4.4D	1	247	35
96	JUL	27	2144	13.77	18	54.75	155	16.01	14.69	32	1	.10	2.3	5.3	LOI	4.4D	1	246	34
96	JUL	27	2152	34.51	18	53.29	155	14.02	6.33	18	5	.12	1.1	1.9	LOI	2.9X	2	252	39
96	JUL	27	2206	56.53	18	56.01	155	17.03	14.35	25		.12	2.6	1.4	LOI	2.3X	1	257	31
96	JUL	27	2228	11.38	18	53.29	155	15.85	13.55	25		.09	3.4	1.5	LOI	2.5X	1	267	37
96	JUL	27	2237	18.31	18	55.87	155	17.05	16.95	12		.11	3.6	14.6	LOI -	2.0X	1	258	32
96	JUL	27	2242	0.00	18	57.52	155	16.27	7.60	20	5	.11	1.0	1.7	LOI	2.8X	2	238	30
96	JUL	27	2254	27.65	18	51.37	155	15.18	9.68	26	2	.10	1.6	1.0	LOI	3.1X	2	271	40
96	JUL	27	2304	54.03	18	54.77	155	15.42	12.40	14	4	.09	1.3	.9	LOI	2.3X	2	271	35
96	JUL	27	2316	58.55	18	56.00	155	16.60	16.01	22		.09	2.0	14.5	LOI -	3.3X	1	241	32
96	JUL	27	2329	55.38	18	56.13	155	17.10	14.49	38	1	.09	1.0	1.0	LOI	2.9X	1	240	31
96	JUL	27	2330	21.32	18	53.19	155	15.46	7.09	51	15	.14	.8	.7	LOIF	4.9D	1	251	37
96	JUL	27	2338	42.15	18	54.69	155	16.13	14.37	38	1	.10	1.5	2.7	LOI	3.2X	1	247	34
96	JUL	28	49	22.15	18	57.02	155	16.50	13.67	24	1	.12	3.3	1.1	LOI	2.2X	2	254	30
96	JUL	28	52	11.64	18	55.22	155	16.87	15.55	34		.11	2.3	14.7	LOI -	3.0X	2	245	33
96	JUL	28	104	34.03	18	53.71	155	16.35	14.15	31		.11	2.0	2.7	LOI	2.8X	2	269	35
96	JUL	28	251	24.48	18	52.52	155	16.21	13.19	35	1	.12	2.1	1.6	LOI	3.1X	2	253	37
96	JUL	28	253	42.91	19	19.44	155	16.65	33.29	51	13	.11	.6	.7	DEP	2.2X	9	100	2
96	JUL	28	334	38.47	18	56.40	155	16.40	17.36	27	1	.11	3.0	11.7	LOI -	2.3X	3	275	31
96	JUL	28	428	41.11	18	53.55	155	15.46	12.42	20		.11	3.4	1.1	LOI	2.5X	2	255	37
96	JUL	28	502	17.59	18	53.40	155	16.05	13.52	34		.10	2.4	1.4	LOI	3.5D	1	251	36
96	JUL	28	519	57.43	18	52.79	155	15.39	12.67	38	2	.10	1.7	1.4	LOI	3.2X	2	268	38
96	JUL	28	538	57.43	18	54.96	155	17.02	12.71	36		.10	1.9	.9	LOI	3.0X	3	246	33
96	JUL	28	549	23.53	18	50.46	155	15.98	5.29	21		.09	4.1	1.5	LOI	2.3X	2	277	46
96	JUL	28	628	36.34	18	53.21	155	16.05	13.89	26		.09	3.3	2.0	LOI	2.5X	1	271	37
96	JUL	28	706	28.02	18	55.30	155	16.54	14.40	35		.10	1.8	1.4	LOI	2.7X	1	248	33
96	JUL	28	727	53.61	18	55.68	155	16.18	7.11	23	5	.14	.9	2.0	LOI	2.9X	2	244	33
96	JUL	28	731	35.53	18	50.41	155	14.93	10.69	29		.10	3.6	1.1	LOI	3.1D	1	277	42
96	JUL	28	807	19.49	18	53.82	155	16.27	10.83	36		.12	2.4	.8	LOI	3.1X	2	250	35
96	JUL	28	812	12.23	18	46.51	155	13.34	9.75	39	7	.11	1.3	1.5	LOI	4.4D	1	298	49

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	28	826	6.62	18	53.81	155	16.28	14.23	35	2	.10	1.7	3.0	LOI	3.0X	2	266	35
96	JUL	28	903	14.06	18	45.91	155	12.88	7.30	16		.08	9.1	3.1	LOI	2.2D	1	314	51
96	JUL	28	909	9.13	18	53.45	155	16.06	13.36	29		.09	3.2	1.2	LOI	2.7X	1	267	36
96	JUL	28	915	49.45	18	54.28	155	16.13	13.85	27	4	.08	1.1	1.3	LOI	3.2X	4	252	35
96	JUL	28	917	31.72	18	46.91	155	14.56	7.33	36	2	.13	1.7	.8	LOI	3.1X	3	280	48
96	JUL	28	922	52.06	18	55.55	155	14.69	11.94	21		.10	2.5	.8	LOI	2.5X	1	263	35
96	JUL	28	924	19.59	18	54.69	155	16.28	13.49	30	1	.11	2.0	1.2	LOI	2.9X	3	253	34
96	JUL	28	952	11.30	18	55.24	155	14.61	6.99	13	4	.11	1.3	11.7	LOI -	2.0X	2	304	35
96	JUL	28	1009	10.46	18	54.57	155	15.75	13.84	35		.12	1.9	1.4	LOI	3.1X	1	247	35
96	JUL	28	1022	12.72	18	52.34	155	14.13	11.34	28	8	.12	.9	.7	LOI	2.9X	3	260	40
96	JUL	28	1033	1.29	18	51.98	155	15.07	12.47	18		.08	5.8	1.2	LOI	2.3X	1	304	39
96	JUL	28	1041	19.73	18	53.80	155	16.22	14.03	19	2	.08	1.5	2.0	LOI	2.8X	2	265	35
96	JUL	28	1106	38.72	18	53.36	155	15.69	13.95	28		.12	3.0	2.2	LOI	2.3X	3	251	37
96	JUL	28	1106	49.53	18	55.04	155	14.94	7.98	29	1	.14	3.8	1.3	LOI	3.1X	3	253	35
96	JUL	28	1112	46.94	18	53.85	155	14.38	10.17	34	2	.12	1.3	.6	LOI	3.3X	1	250	37
96	JUL	28	1200	41.98	18	54.34	155	16.12	13.51	19		.10	3.9	1.0	LOI	2.3X	1	264	35
96	JUL	28	1204	42.57	18	53.48	155	15.34	11.53	32		.14	2.8	.8	LOI	4.1D	1	258	37
96	JUL	28	1209	27.45	18	52.49	155	15.90	13.37	23	4	.09	1.2	1.5	LOI	4.4D	1	269	38
96	JUL	28	1216	9.25	18	50.96	155	15.43	11.48	16		.11	5.8	2.0	LOI	2.3X	1	288	41
96	JUL	28	1244	47.09	18	56.63	155	15.72	11.23	22	5	.12	1.0	.6	LOI	4.1D	1	241	32
96	JUL	28	1253	33.48	18	54.79	155	16.86	14.97	35		.10	2.1	4.3	LOI	3.2X	1	246	33
96	JUL	28	1334	3.71	18	54.42	155	15.85	13.79	39		.10	2.1	1.5	LOI	3.9D	1	248	35
96	JUL	28	1339	51.11	18	51.64	155	14.67	13.19	21	8	.09	1.3	1.5	LOI	3.0X	2	274	40
96	JUL	28	1358	55.33	18	51.07	155	14.92	12.34	16		.06	6.8	1.6	LOI	2.3X	1	305	41
96	JUL	28	1435	13.45	18	50.65	155	15.71	12.90	37	6	.11	1.2	1.8	LOI	3.1X	1	272	41
96	JUL	28	1440	19.02	18	55.35	155	15.26	12.91	21	5	.09	1.3	.9	LOI	2.3X	1	262	34
96	JUL	28	1449	11.54	18	53.76	155	16.41	14.45	25		.09	3.4	6.9	LOI	2.7X	1	266	35
96	JUL	28	1515	24.66	19	21.31	155	20.51	32.58	39	2	.11	.6	1.1	DEP	3.0D	1	55	5
96	JUL	28	1546	4.35	18	53.56	155	15.52	12.87	31		.10	3.2	1.0	LOI	2.8X	1	251	37
96	JUL	28	1558	10.25	18	54.82	155	15.99	13.59	17	4	.11	1.6	1.1	LOI	2.2X	2	263	34
96	JUL	28	1610	39.99	18	50.40	155	14.31	10.33	16		.07	6.3	1.7	LOI	2.3X	1	291	43
96	JUL	28	1613	23.56	18	56.28	155	16.79	14.72	22		.09	2.3	1.8	LOI	3.0X	2	241	31
96	JUL	28	1631	14.05	18	55.70	155	15.88	11.33	23		.14	2.7	.6	LOI	2.8X	1	251	33
96	JUL	28	1644	28.82	18	51.60	155	14.78	10.34	29		.11	3.9	1.1	LOI	2.7X	1	264	40
96	JUL	28	1709	2.16	18	55.30	155	16.00	12.93	20	4	.11	1.4	.8	LOI	2.5X	2	261	33
96	JUL	28	1709	24.17	18	55.87	155	17.43	15.15	16	1	.10	2.0	3.6	LOI	3.2X	2	243	31
96	JUL	28	1718	21.98	18	43.68	155	12.28	8.04	31	4	.11	1.0	1.6	LOI	3.3X	2	295	55
96	JUL	28	1719	59.63	18	54.11	155	15.83	14.14	35		.09	1.9	2.9	LOI	4.4D	1	249	35
96	JUL	28	1722	17.75	18	55.63	155	15.70	13.27	26		.10	2.0	.9	LOI	2.4X	2	245	33
96	JUL	28	1725	44.53	18	47.55	155	14.18	10.77	16		.09	9.4	2.1	LOI	2.7X	1	311	47
96	JUL	28	1729	20.86	19	19.62	155	0.40	6.35	12		.14	2.0	5.2	SF5B	2.9X	1	222	11
96	JUL	28	1734	10.16	18	56.53	155	17.24	14.40	33		.10	1.8	1.1	LOI	4.0D	1	240	30
96	JUL	28	1736	42.68	18	44.90	155	12.31	30.03	28	5	.13	2.1	4.6	LOI	3.0X	3	292	53
96	JUL	28	1800	43.87	18	37.40	155	11.82	29.08	20	5	.10	2.2	7.3	DIS	3.1X	2	304	63
96	JUL	28	1820	14.65	18	53.69	155	15.55	11.95	25		.12	2.3	.9	LOI	2.8X	1	250	36

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	28	1825	16.72	18	55.11	155	16.77	14.17	20		.11	2.9	1.4	LOI	2.2X	1	260	33
96	JUL	28	1833	22.33	18	46.32	155	13.77	16.87	14		.11	11.3	15.2	LOI -	2.7X	1	313	49
96	JUL	28	1844	5.31	19	18.69	155	4.33	10.20	13	3	.17	1.0	1.5	SF5B	2.3X	2	205	7
96	JUL	28	1847	10.29	18	53.83	155	16.30	17.16	16		.09	4.2	13.3	LOI -	2.5X	1	277	35
96	JUL	28	1849	40.93	18	53.62	155	15.90	13.33	35		.10	2.5	1.5	LOI	4.0D	1	251	36
96	JUL	28	1920	26.40	18	52.77	155	15.38	16.59	28	4	.09	1.3	13.7	LOI -	2.8X	1	284	38
96	JUL	28	1938	5.62	18	50.53	155	13.99	9.13	24	6	.09	.9	.6	LOI	2.5X	4	277	43
96	JUL	28	1957	26.76	18	55.32	155	14.98	11.85	17		.11	6.5	1.3	LOI	2.1X	1	298	35
96	JUL	28	2005	35.79	18	52.93	155	15.50	12.76	25	5	.09	1.4	1.1	LOI	2.6X	4	269	37
96	JUL	28	2008	4.89	18	55.62	155	15.78	14.06	28		.10	1.6	1.5	LOI	3.3X	1	245	33
96	JUL	28	2032	21.99	18	49.31	155	14.96	13.92	26	3	.10	4.7	7.0	LOI	3.1X	2	279	44
96	JUL	28	2046	7.97	18	53.32	155	15.52	13.49	19		.08	5.0	1.7	LOI	2.7X	1	288	37
96	JUL	28	2055	56.24	18	55.03	155	16.77	14.59	37	1	.09	1.4	2.0	LOI	3.1X	2	246	33
96	JUL	28	2121	32.88	18	53.65	155	15.91	13.71	26		.08	2.4	1.2	LOI	3.7D	1	266	36
96	JUL	28	2124	4.80	18	58.48	155	17.36	10.14	29		.15	1.5	.8	LOI	3.8D	1	234	27
96	JUL	28	2130	25.87	18	51.58	155	15.36	11.71	22		.10	4.4	1.5	LOI	2.2D	1	261	40
96	JUL	28	2158	41.59	18	55.00	155	16.54	14.94	32	1	.11	1.9	4.2	LOI	2.6X	3	252	33
96	JUL	28	2220	53.82	18	54.96	155	14.96	11.94	31		.11	1.7	.7	LOI	3.9D	1	247	35
96	JUL	28	2231	4.51	18	54.29	155	16.00	15.39	38		.09	2.2	14.4	LOI -	4.4D	1	248	35
96	JUL	28	2303	30.12	18	55.21	155	14.94	9.56	26		.14	1.7	.7	LOI	3.9D	1	246	35
96	JUL	28	2327	36.54	18	52.30	155	15.84	17.27	21	6	.07	1.0	12.7	LOI -	2.7X	2	303	38
96	JUL	28	2343	16.11	18	49.36	155	14.79	11.52	14		.08	7.0	1.5	LOI	2.3X	1	308	44
96	JUL	28	2354	38.58	18	52.45	155	15.63	13.12	27		.09	4.5	1.9	LOI	2.6X	2	285	38
96	JUL	29	7	36.01	18	53.72	155	15.59	15.64	19	5	.09	4.5	10.4	LOI -	2.9X	3	300	36
96	JUL	29	14	58.15	18	56.85	155	15.58	12.34	18	3	.08	1.8	.7	LOI	2.4X	2	275	32
96	JUL	29	58	35.91	18	52.92	155	15.38	12.74	19		.09	5.2	1.5	LOI	2.5X	2	284	38
96	JUL	29	100	33.26	18	55.62	155	16.67	16.59	12		.09	2.3	14.5	LOI -	4.6D	1	244	32
96	JUL	29	113	7.56	18	54.55	155	15.93	12.01	22	5	.12	1.6	.9	LOI	3.1X	3	263	35
96	JUL	29	149	8.43	18	51.01	155	14.06	11.00	14		.08	6.2	1.3	LOI	2.3X	1	306	42
96	JUL	29	222	38.14	18	55.50	155	15.18	12.21	25		.10	4.1	.9	LOI	3.7D	1	271	34
96	JUL	29	343	23.60	18	50.27	155	14.55	11.30	18		.08	6.8	1.9	LOI	2.6X	1	290	42
96	JUL	29	346	47.07	18	54.61	155	15.86	13.51	37		.10	2.2	1.2	LOI	4.3D	1	247	35
96	JUL	29	407	5.17	18	44.46	155	12.84	4.23	17		.13	7.4	4.0	LOI	2.7X	1	301	53
96	JUL	29	428	35.55	18	52.24	155	15.34	11.75	35	1	.11	1.9	1.1	LOI	4.1D	1	270	39
96	JUL	29	539	42.24	18	57.21	155	16.41	8.95	12	4	.06	1.4	7.8	LOI	2.4X	1	298	30
96	JUL	29	617	9.17	18	44.06	155	11.87	7.23	8		.09	10.8	3.9	LOI -	2.6X	1	317	55
96	JUL	29	626	28.51	18	55.27	155	15.72	13.02	24	5	.11	1.1	.9	LOI	2.5X	3	249	34
96	JUL	29	630	44.27	18	54.43	155	15.67	13.56	24	6	.10	1.0	.8	LOI	2.3X	2	265	35
96	JUL	29	631	1.43	18	54.07	155	15.82	13.85	30	5	.11	.9	1.2	LOI	3.1X	2	252	35
96	JUL	29	647	46.10	18	51.42	155	15.82	9.12	11	3	.07	2.5	.9	LOI	2.6X	2	329	47
96	JUL	29	817	1.44	18	50.73	155	15.38	10.37	21	4	.09	1.9	1.1	LOI	3.3X	2	306	41
96	JUL	29	825	8.36	18	53.26	155	16.15	13.52	33	4	.11	1.2	.9	LOI	3.2X	2	283	36
96	JUL	29	826	7.90	18	55.87	155	15.68	7.57	32		.13	2.3	.9	LOI	4.1D	1	260	33
96	JUL	29	832	22.68	18	52.74	155	15.97	10.34	22	4	.08	1.3	.6	LOI	3.0X	3	286	42
96	JUL	29	922	23.06	18	55.13	155	16.07	12.37	18	3	.12	1.8	1.1	LOI	2.4X	2	278	34

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	29	1012	31.78	18	51.85	155	15.06	12.12	21	4	.08	1.5	1.1	LOI	3.1X	2	287	40
96	JUL	29	1131	6.01	18	49.46	155	14.45	11.38	25	3	.09	1.3	.9	LOI	3.2X	2	280	44
96	JUL	29	1248	49.69	18	51.22	155	13.20	10.56	15	3	.11	1.6	.9	LOI	2.4X	3	277	42
96	JUL	29	1315	4.33	18	54.05	155	15.93	12.59	46	10	.10	.9	.7	LOI	3.4X	3	266	35
96	JUL	29	1318	45.70	18	54.40	155	16.27	12.92	31		.11	2.4	1.0	LOI	2.9X	2	248	34
96	JUL	29	1435	16.64	18	56.62	155	16.20	10.90	14	4	.11	1.3	1.9	LOI	2.6X	3	269	31
96	JUL	29	1527	8.26	18	52.12	155	16.03	17.50	22	6	.08	1.3	13.3	LOI -	2.7X	4	303	38
96	JUL	29	1559	17.51	18	55.35	155	15.37	10.91	22	5	.13	1.3	.8	LOI	3.1X	2	245	34
96	JUL	29	1614	38.29	18	51.79	155	15.88	9.90	23	4	.10	1.5	.9	LOI	3.3X	1	274	39
96	JUL	29	1709	51.07	18	53.99	155	15.32	11.03	14	6	.11	1.0	.7	LOI	2.3X	2	307	36
96	JUL	29	1745	22.59	18	52.59	155	15.49	13.25	25	4	.08	1.3	1.7	LOI	3.3X	3	254	38
96	JUL	29	1752	38.25	18	55.59	155	16.86	14.53	28		.09	1.2	1.2	LOI	2.8X	2	244	32
96	JUL	29	1926	46.73	18	55.52	155	16.37	12.56	20	6	.10	1.0	.6	LOI	2.9X	3	259	33
96	JUL	29	1929	58.52	18	55.05	155	15.70	12.99	14	3	.13	1.4	1.4	LOI	2.5X	1	262	34
96	JUL	29	2033	56.32	18	53.76	155	14.62	12.20	36		.11	3.1	1.0	LOI	2.9X	3	255	37
96	JUL	29	2038	7.40	18	52.95	155	15.51	13.31	36	3	.09	1.2	1.1	LOI	4.4D	1	271	37
96	JUL	29	2105	24.62	18	54.77	155	15.34	13.37	24	2	.10	1.8	1.1	LOI	3.1X	2	248	35
96	JUL	29	2208	6.35	18	50.33	155	14.72	11.20	26	4	.09	1.2	1.2	LOI	2.5X	1	290	42
96	JUL	29	2254	26.38	18	54.53	155	16.15	17.45	25	7	.10	1.0	11.8	LOI -	2.5X	4	264	34
96	JUL	30	46	36.40	18	54.29	155	15.95	15.43	29	3	.10	2.3	5.1	LOI	3.0X	1	252	35
96	JUL	30	136	11.05	18	40.76	155	11.65	19.20	21	4	.10	1.9	12.3	LOI -	2.2X	2	320	60
96	JUL	30	147	30.26	18	53.14	155	16.10	16.13	24	3	.09	2.4	11.3	LOI -	2.7X	2	283	37
96	JUL	30	203	28.42	19	18.36	155	16.52	9.84	46	10	.12	.4	.5	SF1	2.0X	6	117	4
96	JUL	30	244	30.57	19	25.82	155	16.08	11.80	22	4	.12	1.0	.6	INTL	1.7X	4	138	2
96	JUL	30	321	25.39	18	54.05	155	16.24	13.49	25		.10	2.5	1.2	LOI	2.3X	3	253	35
96	JUL	30	326	26.59	18	55.14	155	16.89	14.98	18	2	.09	1.7	2.7	LOI	2.1X	3	260	33
96	JUL	30	329	54.32	18	53.69	155	15.82	13.74	36		.10	2.5	1.8	LOI	3.4X	1	250	36
96	JUL	30	341	11.51	18	59.53	155	17.76	14.83	15	4	.09	1.1	.7	LOI	2.4X	2	263	26
96	JUL	30	355	45.05	18	53.19	155	16.28	11.57	41	6	.11	1.3	.8	LOI	4.7D	1	267	36
96	JUL	30	718	3.68	18	54.07	155	15.77	13.54	25	3	.10	1.5	1.1	LOI	2.2X	2	265	36
96	JUL	30	1140	22.02	18	58.05	155	15.80	12.48	12	3	.09	1.1	.8	LOI	1.8X	1	289	30
96	JUL	30	1159	32.28	18	45.99	155	13.25	10.55	30	2	.09	1.9	4.0	LOI	3.3X	2	289	50
96	JUL	30	1406	28.00	18	54.16	155	15.82	13.57	42	6	.09	.8	1.0	LOI	3.2X	2	249	35
96	JUL	30	1556	20.39	19	23.15	155	14.79	3.31	13	4	.05	.4	.6	SEC	1.8X	2	86	2
96	JUL	30	1826	35.64	18	54.37	155	16.19	12.73	32		.11	2.6	1.1	LOI	2.5X	3	264	35
96	JUL	30	1938	55.59	18	53.98	155	16.51	13.66	29	6	.10	.9	.8	LOI	3.1X	3	249	35
96	JUL	30	1944	31.02	18	53.23	155	15.23	12.28	28	8	.12	.9	.7	LOI	3.2X	4	252	37
96	JUL	30	2103	49.54	18	56.19	155	15.32	7.00	10	2	.11	1.7	12.4	LOI -	2.0X	1	301	33
96	JUL	30	2157	2.22	18	56.03	155	16.93	22.91	15	3	.11	2.2	4.4	LOI	2.0X	2	264	31
96	JUL	30	2312	32.20	19	18.82	155	13.67	8.34	36	6	.09	.4	.6	SF2	1.5X	5	79	3
96	JUL	30	2344	53.01	18	55.16	155	16.41	14.57	17	3	.09	1.4	1.6	LOI	2.1X	3	261	33
96	JUL	30	2353	45.47	19	20.71	155	13.31	7.41	36	5	.10	.4	.4	SF2	1.4X	3	60	4
96	JUL	31	50	54.74	19	16.63	155	27.98	0.09	25	5	.14	.3	.4	LSW	2.3X	3	58	8
96	JUL	31	209	41.41	18	49.17	155	13.77	25.18	19	5	.12	1.8	5.4	LOI	2.5X	3	281	45
96	JUL	31	213	53.53	18	54.91	155	15.65	13.20	16	4	.08	1.1	1.0	LOI	2.0X	2	279	34

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	31	527	8.06	19	16.04	155	28.04	1.69	13	2	.09	.4	1.1	LSW	1.2X	1	71	8
96	JUL	31	556	33.36	18	51.85	155	14.80	12.14	24	5	.10	1.5	1.0	LOI	3.1X	3	273	40
96	JUL	31	637	1.91	18	55.26	155	17.16	17.92	18	3	.10	1.5	9.5	LOI	2.3X	2	259	32
96	JUL	31	650	2.26	18	55.76	155	15.67	13.64	26	5	.09	1.0	.9	LOI	3.1X	3	244	33
96	JUL	31	656	17.11	18	53.32	155	16.14	10.30	24	4	.08	1.2	.8	LOI	3.4X	1	267	41
96	JUL	31	751	9.86	19	23.10	155	2.57	0.00	40	8	.17	.8	.2	SSP #	1.7X	6	164	9
96	JUL	31	1016	58.87	18	53.88	155	14.81	12.37	16	4	.11	1.2	.8	LOI	2.4X	2	279	37
96	JUL	31	1026	5.90	18	51.80	155	12.75	37.24	12	4	.09	3.1	3.9	LOI	2.5X	1	276	42
96	JUL	31	1100	36.39	18	52.69	155	15.60	39.36	32	4	.09	1.4	1.9	LOI	2.4X	4	270	38
96	JUL	31	1359	32.33	18	56.51	155	17.09	18.22	16	2	.08	1.4	7.0	LOI	2.4X	2	255	31
96	JUL	31	1413	11.82	19	24.11	155	16.70	11.70	12	4	.10	1.6	1.1	INTL	1.7X	2	188	0
96	JUL	31	1459	31.14	18	55.47	155	16.64	13.58	37	5	.12	1.4	1.0	LOI	3.0X	4	259	33
96	JUL	31	1557	15.27	18	55.61	155	16.14	27.21	14	2	.09	2.0	2.9	LOI	2.6X	2	267	33
96	JUL	31	1558	10.88	18	55.05	155	15.51	31.60	12	3	.11	2.8	3.0	LOI	2.7X	1	263	34
96	JUL	31	1716	17.50	19	24.97	155	16.65	12.16	15		.08	.8	1.2	INTL	1.7X	2	143	2
96	JUL	31	1730	20.37	18	58.01	155	15.74	12.57	14	3	.08	1.0	.8	LOI	2.0X	2	290	30
96	JUL	31	1920	0.64	18	52.31	155	16.14	13.73	29		.11	4.1	2.4	LOI	2.8X	2	273	38
96	JUL	31	1956	15.49	18	56.84	155	17.45	23.18	17	3	.09	1.6	3.3	LOI	2.3X	1	266	30
96	JUL	31	2001	54.87	19	26.55	155	14.68	14.76	13	4	.10	1.8	.9	DEPL	1.8X	3	225	3
96	JUL	31	2128	42.96	18	53.96	155	15.84	14.38	24	4	.06	1.8	3.2	LOI	3.2X	2	266	36
96	AUG	1	28	28.01	19	25.28	155	17.31	11.77	13	4	.12	.9	.7	INTL	1.8X	4	88	1
96	AUG	1	210	45.86	18	54.14	155	16.15	13.63	29		.11	2.7	1.3	LOI	2.1X	3	264	35
96	AUG	1	214	27.17	18	53.95	155	16.20	13.93	29	7	.09	.9	1.2	LOI	3.3X	3	249	35
96	AUG	1	215	48.84	18	53.94	155	16.39	10.78	24	6	.10	1.3	.7	LOI	4.3D	1	265	40
96	AUG	1	259	10.58	18	55.09	155	16.91	15.73	32		.07	2.1	13.4	LOI -	2.3X	3	248	33
96	AUG	1	315	38.09	19	21.82	155	29.93	11.78	29	6	.11	.4	.6	KAO	1.5X	3	55	4
96	AUG	1	324	32.01	19	23.64	155	17.98	13.82	22	4	.11	1.1	.6	DEPL	1.8X	4	65	2
96	AUG	1	330	42.26	19	21.42	155	7.90	8.78	34	6	.10	.7	.4	SF4	1.6X	4	175	3
96	AUG	1	512	41.84	19	52.05	155	22.05	33.52	44	10	.10	.8	1.0	KEA	2.0X	6	157	4
96	AUG	1	546	29.40	18	55.42	155	16.26	16.03	19	5	.09	3.2	11.0	LOI -	1.9X	3	296	33
96	AUG	1	600	27.78	19	24.38	155	16.71	13.24	12	4	.06	2.0	1.0	DEPL	1.8X	2	122	1
96	AUG	1	628	20.25	18	52.39	155	15.88	16.53	20	3	.11	1.6	14.3	LOI -	2.7X	2	270	38
96	AUG	1	739	9.23	18	56.12	155	16.66	23.67	18	2	.08	1.5	3.5	LOI	2.3X	2	257	32
96	AUG	1	1119	42.08	18	56.70	155	15.62	12.67	20	5	.07	.9	.6	LOI #	2.3X	2	257	32
96	AUG	1	1121	0.52	18	57.32	155	18.84	19.53	12	3	.07	1.7	4.2	LOI	2.1X	1	275	28
96	AUG	1	1551	21.64	19	29.60	155	51.41	6.69	18	4	.14	.5	1.4	KON	1.3X	1	100	6
96	AUG	1	1558	38.36	18	56.64	155	17.66	16.60	17	4	.07	1.2	12.5	LOI -	2.4X	2	266	30
96	AUG	1	1623	32.63	18	51.48	155	16.21	10.16	41	5	.12	1.4	.9	LOI	3.2X	3	271	39
96	AUG	1	1626	31.84	18	49.89	155	15.41	25.95	26	4	.09	1.8	4.1	LOI	2.9X	3	278	42
96	AUG	1	1737	44.77	18	57.83	155	15.78	12.41	12	4	.06	1.0	1.0	LOI	2.0X	1	253	30
96	AUG	1	1801	38.82	18	53.85	155	16.32	11.32	27	5	.09	1.3	.7	LOI	3.0X	4	265	35
96	AUG	1	1813	52.87	18	54.25	155	15.59	19.34	20	5	.10	1.3	7.3	LOI	2.6X	3	265	35
96	AUG	1	1842	59.20	19	25.31	155	15.84	16.01	13	4	.07	1.5	.9	DEPL	1.8X	4	200	2
96	AUG	1	1845	3.80	18	55.72	155	17.53	32.79	15	3	.07	3.1	2.5	LOI	2.6X	2	264	31
96	AUG	1	2210	57.93	18	55.91	155	17.25	19.27	16	4	.07	1.5	5.6	LOI	2.2X	1	269	31

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	AUG	1	2232	12.26	18	55.42	155	16.00	13.94	20	4	.08	1.0	.8	LOI	2.2X	3	260	33
96	AUG	2	10	49.12	18	53.62	155	14.68	11.33	17	4	.09	1.1	.5	LOI	2.3X	2	301	37
96	AUG	2	52	10.30	19	25.36	155	16.26	13.73	29	8	.13	.7	.6	DEPL	1.7X	6	92	2
96	AUG	2	105	44.39	18	54.81	155	16.01	12.82	19	2	.08	1.1	.6	LOI	2.1X	2	263	34
96	AUG	2	337	29.78	19	26.01	155	16.61	14.29	14	4	.07	1.2	.9	DEPL	1.7X	3	123	2
96	AUG	2	443	25.06	19	21.72	155	28.76	5.77	31	7	.11	.4	.7	KAO	2.2X	4	54	2
96	AUG	2	450	51.26	19	19.44	155	6.83	8.42	17	5	.09	.7	.6	SF4	1.5X	2	219	4
96	AUG	2	610	12.67	18	52.71	155	16.09	16.85	21	3	.10	1.4	13.8	LOI -	2.7X	1	275	37
96	AUG	2	717	51.14	18	53.68	155	15.54	11.98	18	4	.08	1.1	.8	LOI	2.2X	2	267	36
96	AUG	2	735	23.14	18	52.90	155	14.13	11.78	32	2	.11	2.2	.9	LOI	2.5X	2	271	39
96	AUG	2	742	43.61	19	24.06	155	16.84	7.28	21	6	.08	.6	.4	INTL	1.8X	4	85	1
96	AUG	2	821	30.49	18	54.25	155	16.17	14.49	34		.10	2.2	6.8	LOI	2.9X	3	248	35
96	AUG	2	848	51.72	18	53.94	155	15.86	17.42	22	3	.07	1.3	11.5	LOI -	2.4X	3	266	36
96	AUG	2	902	3.53	18	55.73	155	16.45	17.03	15	3	.09	1.4	13.3	LOI -	2.1X	2	259	32
96	AUG	2	1001	40.23	18	51.73	155	15.73	10.05	28	6	.11	1.3	.8	LOI	4.4D	1	271	39
96	AUG	2	1008	27.59	19	24.75	155	14.40	15.91	13	4	.09	1.4	.8	DEPL	1.9X	3	156	0
96	AUG	2	1009	11.38	18	52.32	155	15.46	12.53	22	4	.08	1.0	1.4	LOI	3.1X	3	286	38
96	AUG	2	1050	58.25	19	14.84	155	31.26	14.32	17	5	.08	.4	1.1	DLS	2.4X	1	101	10
96	AUG	2	1113	35.49	19	25.80	155	15.55	10.60	15	4	.11	1.0	.7	INTL	2.0X	3	152	3
96	AUG	2	1217	19.40	18	55.21	155	16.68	23.73	24	5	.08	1.4	3.2	LOI	2.8X	2	260	33
96	AUG	2	1602	38.60	18	57.39	155	15.86	13.25	17	4	.11	1.4	.6	LOI	2.1X	2	291	31
96	AUG	2	1732	56.81	18	55.53	155	19.09	53.68	30	6	.09	1.7	1.1	LOI	2.3X	3	245	30
96	AUG	2	2154	52.96	18	53.04	155	15.95	16.89	19	5	.10	1.3	14.1	LOI -	2.4X	1	268	37
96	AUG	2	2229	43.42	18	48.17	155	13.66	9.14	21	5	.11	.9	1.1	LOI	2.3X	3	271	47
96	AUG	2	2304	20.72	18	53.35	155	15.65	13.96	33	8	.10	1.0	1.7	LOI	3.1X	4	251	37
96	AUG	2	2309	7.31	18	53.36	155	15.26	12.49	25	6	.08	1.0	.8	LOI	3.1X	2	255	37
96	AUG	2	2329	9.54	18	56.44	155	17.62	14.82	22	5	.09	.8	.9	LOI	2.7X	3	240	30
96	AUG	2	2336	35.20	18	59.78	155	15.50	7.03	12	4	.11	1.2	11.1	LOI -	1.7X	1	304	28
96	AUG	2	2343	52.81	19	20.73	155	13.39	8.50	21	2	.08	.5	.8	SF2	2.1X	1	59	4
96	AUG	3	34	26.11	19	28.45	155	26.92	7.44	22	5	.12	.7	1.8	KAO	1.8X	3	79	7
96	AUG	3	512	24.25	18	55.91	155	15.46	13.37	22	4	.11	1.2	1.1	LOI	2.6X	2	264	33
96	AUG	3	613	30.85	19	26.08	155	27.18	6.93	23	6	.10	.3	1.0	KAO	1.7X	3	74	7
96	AUG	3	622	38.98	18	48.01	155	14.78	5.84	19	6	.13	.8	1.7	LOI	2.3X	2	283	46
96	AUG	3	1403	6.89	18	54.55	155	17.26	21.22	20	3	.10	1.3	4.3	LOI	2.5X	3	261	33
96	AUG	3	1748	6.04	18	55.76	155	16.50	13.53	21	5	.12	1.1	.6	LOI	2.0X	2	259	32
96	AUG	3	1753	11.80	20	4.85	155	23.78	43.11	19	5	.06	.9	.9	KEA	2.5X	2	297	22
96	AUG	3	2011	28.03	19	25.37	155	17.02	18.66	12	4	.10	1.8	1.0	DEPL	1.9X	3	191	1
96	AUG	3	2126	0.59	18	53.45	155	16.05	27.73	31	9	.13	.9	2.8	LOI	2.3X	6	251	36
96	AUG	4	24	15.79	18	53.12	155	15.76	13.45	31	6	.11	.9	.7	LOI	3.1X	4	253	37
96	AUG	4	28	49.96	18	54.53	155	15.99	23.58	20	5	.09	1.7	3.7	LOI	2.5X	3	263	35
96	AUG	4	226	14.14	18	52.57	155	15.72	12.42	27	4	.10	.9	.8	LOI	3.0X	5	257	38
96	AUG	4	320	25.66	18	55.90	155	17.04	16.63	21	5	.08	1.0	12.1	LOI -	2.5X	2	257	31
96	AUG	4	619	38.91	19	25.15	155	16.32	13.97	14	6	.10	1.3	.6	DEPL	1.9X	2	181	1
96	AUG	4	1427	11.10	18	54.43	155	15.67	13.61	27	5	.09	1.1	.8	LOI	3.2X	3	249	35
96	AUG	4	1647	2.64	18	54.23	155	16.49	14.22	22	1	.07	1.5	1.4	LOI	2.5X	3	251	35
96	AUG	4	2117	27.84	19	23.43	155	14.77	3.76	37	9	.12	.3	.3	SEC	2.4X	5	59	2
96	AUG	4	2133	56.26	18	50.75	155	14.54	10.77	27		.09	3.7	1.1	LOI	2.1X	3	276	42
96	AUG	5	18	35.68	18	57.31	155	17.68	16.51	30		.12	2.2	15.9	LOI -	2.4X	3	240	29
96	AUG	5	704	49.98	18	52.48	155	15.03	10.01	23	4	.10	1.4	.6	LOI	3.0X	5	289	39
96	AUG	5	1018	52.86	18	38.79	155	7.52	12.95	21	5	.15	6.1	8.2	DIS	2.3X	2	300	67
96	AUG	5	1029	50.32	18	49.94	155	13.35	37.82	43	9	.14	1.2	2.1	LOI	4.8D	1	280	44
96	AUG	5	1137	54.80	18	54.22	155	15.24	12.39	28	7	.11	.9	.6	LOI	2.5X	4	266	36
96	AUG	5	1453	26.27	19	19.58	155	2.54	46.62	27	6	.07	1.9	.9	DEP	2.8X	3	200	10
96	AUG	5	1530	53.54	19	8.51	155	2.02	15.13	23	7	.08	.9	.6	LOI	2.3X	2	268	19
96	AUG	5	1741	4.45	18	54.96	155	16.66	14.20	29		.09	1.9	1.7	LOI	2.5X	3	250	33
96	AUG	5	1954	20.93	18	55.41	155	16.80	14.92	22		.06	1.8	1.8	LOI	3.1X	2	245	32
96	AUG	5	2119	6.56	19	53.83	156	11.53	2.74	38	4	.10	1.6	1.3	HUA	2.4X	6	296	44
96	AUG	6	533	11.36	19	58.85	156	42.68	1.53	25	2	.11	13.4	6.1	DIS -	2.1X	3	335	97
96	AUG	6	1213	49.20	18	54.99	155	15.57	12.79	33		.11	2.4	.9	LOI	2.8X	3	253	34
96	AUG	6	1245	22.21	19	19.81	155	8.07	8.38	42	9	.10	.5	.5	SF4	1.9X	7	118	5
96	AUG	6	1516	12.87	18	55.60	155	17.01	14.66	34		.09	1.3	1.7	LOI	2.9X	3	243	32
96	AUG	6	1602	9.84	18	54.95	155	16.11	16.55	36		.10	2.0	14.9	LOI -	4.4D	1	246	34
96	AUG	6	1705	48.11	19	44.00	156	19.07	40.14	39	3	.11	1.9	1.7	HUA	2.7X	6	300	50
96	AUG	6	1831	1.11	19	17.59	155	14.25	8.81	20	5	.07	.5	1.1	SF2	1.9X	3	171	7
96	AUG	7	437	46.44	18	54.41	155	16.28	13.69	31		.10	2.1	1.3	LOI	2.4X	3	251	34
96	AUG	7	537	54.14	20	52.01	155	26.38	16.30	46	8	.13	3.0	15.8	DIS -	3.6X	5	318	109
96	AUG	7	852	57.10	18	54.02	155	16.32	15.09	27		.11	3.8	12.2	LOI -	2.4X	3	265	35
96	AUG	7	1141	19.78	18	52.91	155	14.18	9.84	21	5	.11	.9	.9	LOI	2.3X	2	271	39
96	AUG	7	1435	12.87	19	24.46	155	29.64	9.93	41	7	.10	.3	.8	KAO	1.6X	5	44	5
96	AUG	7	1903	56.12	18	55.43	155	16.54	17.58	22	4	.09	1.3	10.9	LOI -	2.3X	4	259	33
96	AUG	8	23	35.78	18	51.71	155	15.48	12.29	25	6	.07	1.0	.8	LOI	3.1X	4	287	39
96	AUG	8	100	52.79	18	54.78	155	16.49	14.33	31		.10	1.7	2.2	LOI	2.4X	3	250	34
96	AUG	8	602	3.94	19	21.77	155	26.65	11.08	31	6	.09	.4	.8	KAO	2.4X	4	75	2
96	AUG	8	2224	54.83	19	22.20	155	3.96	4.00	47	12	.14	.5	31.6	SSFF-	3.9D	1	161	10
96	AUG	8	2232	42.64	18	49.56	155	14.73	11.86	26	1	.11	2.3	2.2	LOI	2.4X	3	291	43
96	AUG	8	2236	26.45	19	20.67	155	3.77	8.84	38	5	.12	.7	.4	SF5F	3.0X	5	178	8
96	AUG	8	2254	58.37	19	21.14	155	4.00	0.69	41	7	.12	.5	.3	SSF	1.9X	8	170	10
96	AUG	8	2324	4.30	19	20.84	155	2.46	6.97	47	14	.14	.8	.5	SF5	2.1X	8	264	10
96	AUG	9	45	48.07	19	20.84	155	3.75	1.16	49	14	.15	.5	.4	SSF	2.1X	7	176	8
96	AUG	9	117	11.11	18	52.37	155	15.61	13.99	38	6	.09	2.0	3.3	LOI	2.7X	4	273	38
96	AUG	9	137	28.80	19	20.75	155	6.68	8.59	42	9	.11	.4	.4	SF4	1.8X	6	142	5
96	AUG	9	232	28.38	18	54.19	155	16.18	13.94	33		.11	2.2	1.8	LOI	2.6X	4	252	35
96	AUG	9	652	6.17	18	54.02	155	14.81	12.86	30	1	.07	2.4	1.0	LOI	2.4X	3	283	37
96	AUG	9	1240	9.53	19	19.48	155	8.49	7.20	34	6	.12	.5	.7	SF4	1.5X	4	108	4
96	AUG	9	1513	53.80	19	21.57	155	4.69	8.50	45	13	.13	.6	.5	SF5	2.1X	8	160	6
96	AUG	9	1722	30.03	19	44.39	155	4.82	46.33	37	4	.08	1.0	1.4	HIL	2.1X	5	194	32
96	AUG	9	1915	4.37	19	18.74	155	13.18	32.57	52	13	.11	.6	.6	DEP	2.2X	8	85	3
96	AUG	9	1921	43.79	18	54.59	155	16.55	14.47	37		.10	1.7	2.6	LOI	3.1X	2	248	34
96	AUG	9	1947	45.45	18	54.27	155	15.75	13.61	38		.13	2.0	1.4	LOI	2.9X	2	249	35
96	AUG	9	1954	0.18	18	55.53	155	16.14	12.95	27	2	.10	1.6	.7	LOI	2.0X	2	260	33

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	AUG	9	1956	29.12	18	52.92	155	16.00	12.19	41	3	.11	1.5	1.2	LOI	4.7D	1	252	37
96	AUG	9	2300	44.12	19	22.25	155	30.00	10.10	38	6	.08	.3	.7	KAO	1.3X	6	53	4
96	AUG	10	12	3.15	19	18.47	155	14.97	7.01	32	5	.09	.4	.8	SF1	1.3X	5	110	4
96	AUG	10	237	31.10	18	52.19	155	15.33	14.46	22		.10	5.3	13.8	LOI -	2.1X	3	286	39
96	AUG	10	245	35.73	18	50.17	155	15.03	12.12	25	1	.09	2.2	2.3	LOI	2.2X	2	291	42
96	AUG	10	710	55.33	19	21.14	155	6.99	8.05	34	6	.12	.7	.3	SF4	1.6X	4	210	4
96	AUG	10	1250	52.42	19	25.97	155	19.17	6.28	30	10	.11	.4	.7	KAO	1.9X	6	72	3
96	AUG	10	1629	55.61	19	25.44	155	20.30	0.95	16	2	.11	.4	.8	KAO	1.6X	4	100	4
96	AUG	10	1742	55.68	18	50.82	155	15.45	10.59	28	1	.09	2.2	1.1	LOI	2.3X	3	288	41
96	AUG	10	1746	11.28	19	25.47	155	20.30	1.03	31	7	.09	.3	.4	KAO	1.6X	5	56	4
96	AUG	10	1903	15.01	19	23.83	155	17.97	7.08	22	2	.12	.6	.8	INTL	1.5X	5	62	2
96	AUG	11	939	20.46	19	23.71	155	17.65	12.26	18	4	.06	.6	.7	INTL	2.3X	1	98	2
96	AUG	11	1905	50.67	19	31.08	155	48.64	9.34	44	9	.16	.7	.4	KON	2.0X	8	98	5
96	AUG	11	2237	21.66	19	24.52	155	17.24	10.32	22	4	.14	.7	.6	INTL	2.2X	3	55	1
96	AUG	11	2324	14.16	19	20.76	155	4.82	5.81	29	2	.11	.6	1.2	SF5	1.6X	4	167	7
96	AUG	12	227	41.04	19	19.45	155	12.40	6.66	48	12	.17	.4	.7	SF2	1.6X	7	87	5
96	AUG	12	313	34.62	19	21.23	155	3.47	9.40	46	12	.10	.6	.4	SF5	1.9X	7	174	8
96	AUG	12	700	49.23	19	17.15	155	28.14	9.12	34	2	.13	.4	1.1	LSW	1.3X	3	67	9
96	AUG	12	751	10.69	18	46.07	155	14.04	7.08	44	8	.12	1.2	.7	LOI	4.4D	1	282	50
96	AUG	12	1045	13.25	18	53.83	155	15.94	13.24	32		.08	2.5	1.1	LOI	2.5X	2	266	36
96	AUG	12	2023	51.28	18	55.00	155	16.91	14.62	31		.08	2.0	1.5	LOI	2.7X	3	249	33
96	AUG	12	2151	43.65	19	21.52	155	7.88	9.29	43	11	.09	.4	.4	SF4	1.9X	7	118	3
96	AUG	13	58	27.10	19	19.48	155	8.47	6.46	26	2	.09	.8	1.2	SF4	1.4X	2	155	4
96	AUG	13	1449	16.15	18	50.67	155	14.78	11.08	24	6	.07	.9	.9	LOI	2.2X	2	290	42
96	AUG	13	2031	12.83	19	22.51	155	4.70	9.29	42	9	.10	.5	.4	SF5	1.9X	5	151	5
96	AUG	13	2236	51.30	19	35.49	155	7.50	10.79	45	10	.13	.4	.7	HIL	2.0X	7	142	21
96	AUG	14	1201	3.86	19	19.81	155	8.85	7.19	38	6	.12	.4	.7	SF4	1.9X	6	101	5
96	AUG	14	1955	40.84	19	25.36	155	16.33	13.15	12	2	.08	1.3	1.1	DEPL	1.8X	2	116	1
96	AUG	14	2027	1.99	19	24.65	155	15.48	10.66	13	4	.09	1.0	.8	INTL	1.9X	2	107	2
96	AUG	14	2036	30.17	19	25.02	155	16.46	12.74	13	4	.10	1.6	1.2	INTL	2.2X	3	103	1
96	AUG	14	2111	56.69	19	25.99	155	14.75	15.59	17	6	.16	1.4	1.0	DEPL	2.4X	2	175	3
96	AUG	14	2243	6.41	19	25.13	155	16.52	8.18	25	4	.12	.6	.5	INTL	1.8X	3	105	1
96	AUG	15	217	10.29	18	50.09	155	14.65	11.38	42	6	.10	.9	.9	LOI	3.0X	2	274	43
96	AUG	15	2354	35.89	18	54.93	155	16.67	15.13	22	4	.08	1.3	3.2	LOI	2.2X	1	261	33
96	AUG	16	18	53.86	19	25.75	155	26.65	8.80	41	6	.12	.3	.7	KAO	2.0X	3	38	6
96	AUG	16	425	21.54	19	20.04	155	11.51	9.82	37	6	.11	.5	.5	SF3	2.7X	3	84	5
96	AUG	16	540	32.88	18	54.90	155	15.97	13.69	30	3	.09	1.2	1.1	LOI	2.7X	2	247	34
96	AUG	16	1711	39.40	18	56.01	155	16.95	14.66	29		.12	2.0	1.4	LOI	2.1X	2	245	31
96	AUG	16	2000	42.64	19	24.93	155	16.28	2.77	19	3	.08	.3	.2	SNC	1.7X	4	104	1
96	AUG	16	2345	9.08	19	2.92	155	42.75	45.07	56	17	.09	.6	.9	DLS	2.4X	9	180	9
96	AUG	17	7	48.95	19	10.63	155	28.94	33.34	37	4	.08	.8	1.1	DLS	2.1X	2	129	3
96	AUG	17	617	52.36	19	23.95	155	15.05	3.79	23	6	.09	.3	.4	SEC	1.9X	5	64	2
96	AUG	17	1007	50.76	18	51.28	155	17.11	13.71	15	2	.10	1.9	3.8	LOI	2.2X	3	272	39
96	AUG	17	1156	49.55	19	17.53	155	12.83	9.70	40	10	.11	.4	.7	SF2	1.7X	8	149	9
96	AUG	17	1827	21.50	19	29.70	155	12.11	11.54	44	11	.10	.4	.4	GLNF	2.2X	4	107	9

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	AUG	18	54	25.46	18	53.92	155	15.49	12.65	26		.09	3.0	1.2	LOI	2.4X	3	267	36
96	AUG	18	533	33.99	19	23.12	155	27.02	6.57	24	4	.11	.4	.8	KAO	1.2X	4	94	2
96	AUG	18	1203	42.84	19	23.09	155	20.15	30.25	52	14	.11	.6	.7	DML	2.2X	9	39	6
96	AUG	19	433	34.64	19	55.23	156	7.12	37.82	45	9	.10	1.0	1.7	KOH	2.3X	4	292	39
96	AUG	19	652	10.72	19	35.51	155	8.05	0.24	39	8	.13	.6	.3	HILF	1.9X	7	141	21
96	AUG	19	838	23.34	19	20.87	155	30.26	9.61	32	2	.08	.4	.8	KAO	1.6X	5	60	6
96	AUG	19	852	43.45	18	53.50	155	16.29	12.25	25		.11	2.9	1.0	LOI	2.1X	3	266	36
96	AUG	19	1027	33.06	19	23.02	155	19.03	0.14	18	4	.12	.3	.6	KAOL	1.6X	3	61	5
96	AUG	19	1546	53.66	18	52.65	155	15.80	13.38	33	4	.09	1.2	1.3	LOI	3.2X	2	269	38
96	AUG	19	1548	30.58	18	53.20	155	15.38	11.74	30		.11	2.6	1.0	LOI	2.8X	3	268	37
96	AUG	19	2149	27.01	19	25.36	155	16.52	10.27	28	4	.13	.6	.5	INTL	1.9X	3	106	1
96	AUG	20	231	27.56	19	25.65	155	17.02	12.26	13	4	.14	1.6	.8	INTL	2.1X	2	102	1
96	AUG	20	452	41.12	19	19.14	155	8.26	8.71	30	4	.09	.5	.6	SF4	1.9X	2	115	3
96	AUG	20	836	45.89	18	53.95	155	15.98	13.08	20	4	.09	1.4	1.0	LOI	2.8X	2	265	35
96	AUG	20	908	50.63	19	26.15	155	52.04	12.80	36	6	.13	.8	.4	KONF	2.7X	6	136	8
96	AUG	20	1556	1.36	19	20.28	155	7.17	8.62	32	4	.06	.4	.5	SF4	1.9X	2	137	6
96	AUG	21	28	9.32	19	25.29	155	16.34	14.77	12	2	.12	1.5	1.4	DEPL	2.2X	2	114	1
96	AUG	21	113	49.58	18	46.03	155	12.79	26.65	21	3	.12	2.2	6.0	LOI	2.4X	2	289	51
96	AUG	21	348	45.97	19	29.06	155	27.90	10.11	45	12	.12	.3	.8	KAO	2.6X	7	65	5
96	AUG	21	439	0.55	18	47.82	155	12.57	8.77	18	6	.10	1.1	1.3	LOI	2.2X	1	286	48
96	AUG	21	734	21.05	19	12.83	155	16.76	45.92	28	4	.12	1.2	1.0	DEPL	2.1X	2	192	10
96	AUG	22	141	34.45	19	20.14	155	52.16	12.84	33	5	.13	.6	.3	KON	2.1X	3	162	8
96	AUG	22	429	38.07	19	19.41	155	12.98	10.00	34	4	.13	.5	.7	SF2	1.8X	2	123	6
96	AUG	22	1143	52.21	18	51.91	155	15.06	11.94	33	4	.11	1.0	1.0	LOI	3.0X	2	270	39
96	AUG	22	1259	7.42	18	54.38	155	15.51	13.52	26		.10	3.5	1.1	LOI	2.8X	2	265	35
96	AUG	22	1323	57.95	18	20.54	155	25.44	13.51	43	7	.10	6.0	8.5	DIS	2.8X	3	311	75
96	AUG	22	2127	31.40	18	54.56	155	16.40	21.73	38		.09	2.0	4.4	LOI	3.0X	3	248	34
96	AUG	22	2307	17.04	18	54.68	155	16.41	13.83	33		.09	2.0	1.3	LOI	2.3X	3	250	34
96	AUG	23	419	9.08	19	19.70	155	13.78	8.24	42	10	.12	.4	.6	SF2	1.5X	8	62	5
96	AUG	23	1626	41.92	18	56.63	155	16.81	14.55	31		.12	2.1	1.2	LOI	2.3X	4	245	31
96	AUG	23	1839	2.45	19	26.43	155	44.69	12.95	42	9	.11	.4	.3	KON	2.2X	7	72	8
96	AUG	24	2251	33.96	18	54.79	155	16.34	14.48	34		.10	1.8	2.6	LOI	2.6X	3	250	34
96	AUG	25	345	39.66	20	8.91	155	29.78	33.40	36	6	.10	1.1	1.4	KEA	1.9X	5	294	33
96	AUG	25	837	20.57	18	54.42	155	16.78	14.34	35		.11	2.0	1.9	LOI	2.6X	2	248	34
96	AUG	25	2301	8.97	19	21.07	155	12.97	9.53	35	6	.11	.4	.5	SF2	1.4X	6	70	3
96	AUG	26	403	7.99	19	28.70	155	3.86	47.32	42	9	.11	.8	.9	DEP	2.0X	4	130	12
96	AUG	27	140	59.38	18	51.89	155	15.52	12.20	31	2	.10	2.1	1.2	LOI	2.3X	2	274	39
96	AUG	27	920	4.57	19	23.63	155	16.93	3.18	17	5	.06	.4	.3	SSC	1.5X	3	78	1
96	AUG	27	1321	27.29	18	48.19	155	14.26	16.73	22	4	.07	1.4	13.7	LOI -	2.5X	2	310	46
96	AUG	27	2148	43.07	19	23.09	155	14.53	3.69	19	5	.11	.4	.4	SEC	1.9X	2	82	3
96	AUG	28	42	37.98	19	21.78	155	4.44	8.85	18	5	.08	.6	.9	SF5	1.7X	2	161	6
96	AUG	28	345	5.99	20	0.01	155	10.92	0.67	22	5	.14	1.9	.9	KEA	1.6X	2	280	21
96	AUG	28	746	10.02	18	54.99	155	16.92	14.59	30		.10	2.3	1.7	LOI	3.0X	3	261	33
96	AUG	28	1232	41.95	19	23.21	155	2.88	7.95	25	6	.14	.8	.5	SF5	1.6X	2	156	8
96	AUG	28	2113	37.93	18	54.35	155	16.96	17.51	19	2	.08	1.7	11.6	LOI -	2.1X	2	262	34

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	AUG	29	258	22.17	19	24.91	155	38.69	3.02	15	4	.11	.7	.5	MLO	1.5X	1	184	2
96	AUG	30	44	54.46	19	16.62	155	2.38	6.06	26	2	.16	.9	1.6	SF5B			223	10
96	AUG	30	45	11.24	19	15.62	155	8.83	2.12	29	2	.12	.8	.6	SSFB	1.9X	3	202	4
96	AUG	30	45	32.88	19	19.48	155	3.18	6.24	31		.14	.9	1.0	SF5B	2.1X	2	197	9
96	AUG	30	51	12.79	19	18.92	155	3.84	0.03	16	2	.14	1.2	.8	SSFB#			201	8
96	AUG	30	51	36.21	19	19.27	155	4.04	5.70	32		.15	.9	1.2	SF5B	2.2X	3	193	8
96	AUG	30	101	28.13	19	19.59	155	7.25	0.02	17	2	.13	.5	.9	SSFB#	1.9X	1	142	4
96	AUG	30	1614	45.08	19	28.83	156	18.67	34.33	42	6	.11	1.3	1.7	KON	2.6X	7	297	41
96	AUG	30	1741	5.00	18	54.14	155	16.32	13.78	31		.10	2.5	1.4	LOI	2.3X	3	253	35
96	AUG	31	1643	38.27	19	21.98	155	4.55	7.18	31	3	.12	.6	.8	SF5	1.5X	5	155	6
96	AUG	31	2053	7.08	19	17.64	155	13.04	10.30	41	10	.11	.4	.5	SF2	1.6X	8	148	9
96	AUG	31	2221	1.22	19	17.23	155	12.83	8.58	35	7	.12	.5	.8	SF2	1.4X	6	163	1
96	AUG	31	2229	27.05	19	20.06	155	6.93	8.38	39	10	.09	.4	.4	SF4	1.6X	7	143	5
96	AUG	31	2253	15.00	19	22.87	155	14.51	3.60	26	5	.11	.3	.3	SEC	1.7X	5	81	3
96	SEP	1	1418	6.95	19	19.63	155	11.47	8.82	36	7	.11	.4	.5	SF3	1.6X	6	93	5
96	SEP	2	153	42.51	19	22.38	155	4.50	7.28	43	8	.14	.6	.6	SF5	1.5X	6	154	6
96	SEP	2	231	38.92	19	9.90	155	33.48	42.72	39	6	.11	.8	1.6	DLST	1.9X	6	116	10
96	SEP	2	440	19.08	19	19.34	155	8.29	7.34	36	7	.11	.5	.7	SF4	1.5X	5	114	4
96	SEP	2	1320	56.00	19	20.31	155	7.19	8.45	38	9	.08	.4	.4	SF4	1.7X	7	135	6
96	SEP	3	231	34.54	19	22.13	155	26.71	10.39	41	7	.10	.3	.7	KAO	1.6X	7	73	2
96	SEP	3	932	13.91	19	21.83	154	51.33	44.13	60	21	.11	.9	.7	LER	2.8X	10	239	12
96	SEP	3	946	28.88	19	23.01	155	30.94	12.65	33		.13	.4	1.0	KAO	1.7X	5	49	5
96	SEP	3	1301	27.78	19	18.48	155	13.56	7.68	31	5	.10	.5	.8	SF2	1.4X	5	75	3
96	SEP	3	1956	35.21	19	25.23	155	30.58	10.03	43	9	.10	.3	.7	KAO	1.8X	8	41	7
96	SEP	3	2110	59.27	19	25.56	155	16.25	10.62	30	6	.12	.7	.5	INTL	1.8X	4	115	2
96	SEP	3	2302	51.47	19	12.90	155	27.74	0.42	37	5	.12	.3	.5	LSW	1.6X	4	107	6
96	SEP	4	35	8.61	19	13.70	155	32.92	6.87	44	9	.16	.4	1.5	LSW	1.7X	5	74	8
96	SEP	4	1525	3.73	19	25.46	155	17.81	11.47	11	3	.08	1.5	1.0	INTL	2.1X	3	154	0
96	SEP	4	2247	53.10	18	54.82	155	16.54	13.86	23		.11	2.3	1.5	LOI	2.1X	2	250	34
96	SEP	5	147	30.59	19	12.78	155	27.96	0.37	39	5	.13	.3	.5	LSW	1.9X	3	102	6
96	SEP	5	1408	21.35	19	20.41	155	7.33	8.64	36	5	.10	.4	.4	SF4	2.1X	4	132	5
96	SEP	5	2031	18.40	19	20.37	155	13.32	8.40	31	5	.11	.4	.6	SF2	1.7X	2	63	4
96	SEP	6	26	3.33	19	23.85	155	58.73	18.64	38	5	.12	1.0	1.2	KON	1.8X	6	240	12
96	SEP	6	139	33.88	18	53.17	155	15.52	11.92	41	7	.14	.8	.7	LOI	3.2X	2	252	37
96	SEP	6	819	27.63	18	52.91	155	16.06	13.21	35	3	.10	1.5	1.3	LOI	3.2X	2	267	37
96	SEP	6	1109	31.21	18	49.46	155	14.18	17.35	22	6	.08	1.2	13.4	LOI -	2.0X	2	309	44
96	SEP	6	1358	44.69	19	51.48	155	42.76	18.42	44	7	.15	1.1	4.3	KEA	2.3X	7	229	23
96	SEP	6	2129	35.91	18	55.17	155	16.64	14.89	24		.08	2.4	3.6	LOI	2.1X	3	260	33
96	SEP	7	126	54.81	18	58.52	155	34.49	39.01	56	19	.08	.6	.9	DLS	2.6X	10	222	10
96	SEP	7	1320	46.23	18	54.88	155	16.76	14.72	37		.09	1.9	2.9	LOI	2.9X	4	246	33
96	SEP	8	411	57.69	19	11.40	155	37.05	8.34	30	1	.13	.6	1.2	LSW	1.7X	4	91	6
96	SEP	8	2017	25.14	19	45.79	156	5.48	5.65	38	6	.13	.9	.6	HUA	2.1X	6	282	28
96	SEP	9	2108	54.09	19	25.38	155	31.14	15.21	21	5	.10	.4	1.0	DML	1.8X	2	61	3
96	SEP	10	216	30.42	19	8.50	155	33.27	53.66	32	7	.12	1.3	.9	DLST	1.7X	1	196	10
96	SEP	10	216	30.70	19	6.42	155	29.17	55.17	34	6	.13	1.5	1.0	DLST			219	6

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	SEP	10	217	22.05	19	8.16	155	30.25	46.54	20	3	.12	1.5	1.2	DLST			257	5
96	SEP	10	217	32.93	19	9.55	155	30.54	41.34	23	3	.13	1.0	1.8	DLST			129	5
96	SEP	10	217	36.70	19	5.97	155	27.86	57.63	25	3	.09	1.2	1.7	DLST			188	7
96	SEP	10	255	14.78	19	21.90	155	4.24	7.69	34	4	.13	.6	.5	SF5	1.6X	4	162	7
96	SEP	10	543	17.56	19	3.38	155	34.68	7.29	25	5	.13	.6	1.8	LSW	1.8X	2	174	12
96	SEP	10	753	46.43	19	12.86	155	32.65	37.40	33	4	.13	.9	1.5	DLST	2.2X	2	81	9
96	SEP	10	754	44.46	19	8.61	155	30.95	38.17	36	2	.13	.8	1.5	DLST			149	6
96	SEP	10	801	19.53	19	10.92	155	27.52	47.63	30		.12	1.1	3.6	DLST	2.5X	2	124	3
96	SEP	10	802	9.87	19	3.29	155	25.34	56.47	33		.13	2.1	3.7	DLST	3.2X	1	204	12
96	SEP	10	802	13.09	19	7.58	155	26.20	43.86	39	6	.14	.8	.9	DLST			177	5
96	SEP	10	1953	47.50	18	54.50	155	15.95	13.11	25	5	.11	1.1	1.1	LOI	2.7X	2	263	35
96	SEP	11	101	34.37	19	18.70	155	13.98	8.49	31	5	.09	.4	.6	SF2	1.6X	2	98	3
96	SEP	11	334	33.44	19	44.75	154	49.80	45.97	52	18	.11	.8	1.3	HILF	3.5X	6	256	27
96	SEP	11	818	55.38	19	12.89	155	16.07	32.75	49	11	.10	.7	.9	DEPF	3.3X	2	180	9
96	SEP	11	1022	41.71	18	53.18	155	14.94	12.41	29	5	.11	1.1	1.0	LOI	2.0X	3	269	38
96	SEP	11	1531	35.63	19	23.32	155	14.86	3.46	38	8	.11	.3	.3	SEC	2.2X	2	53	2
96	SEP	11	1543	1.93	19	23.24	155	14.96	3.89	32	8	.13	.3	.4	SEC	2.0X	5	67	2
96	SEP	11	2206	23.34	18	55.83	155	16.27	12.47	22	3	.09	1.4	.7	LOI	2.0X	3	258	32
96	SEP	12	910	30.44	19	45.46	154	49.34	46.59	49	14	.10	.8	1.1	HIL	2.8X	8	259	29
96	SEP	12	924	24.46	19	19.13	155	13.79	8.74	28	5	.11	.5	.7	SF2	1.5X	2	73	4
96	SEP	12	2202	23.82	19	15.59	155	29.92	7.58	30	4	.16	.4	1.3	LSW	1.9X	3	86	11
96	SEP	12	2210	21.46	18	46.33	155	15.04	17.64	22	4	.08	1.5	13.4	LOI -	2.3X	2	296	48
96	SEP	13	1041	26.38	19	20.23	155	7.57	7.50	36	5	.12	.5	.4	SF4	2.4X	2	129	5
96	SEP	13	1936	5.15	19	59.64	156	14.86	12.56	41	6	.12	5.4	8.0	KOH	2.9X	7	305	74
96	SEP	13	2248	20.78	18	51.22	155	15.45	9.88	40	7	.11	1.1	.8	LOI	3.4X	3	271	40
96	SEP	14	102	29.40	19	18.70	155	27.10	7.35	35	4	.14	.4	1.0	LSW	1.0X	4	58	7
96	SEP	14	314	58.94	19	17.90	155	14.90	7.84	36	6	.09	.4	.6	SF1	1.3X	5	114	3
96	SEP	14	348	56.96	18	54.81	155	16.15	13.52	26		.11	2.8	1.2	LOI	2.1X	2	262	34
96	SEP	14	913	57.35	19	28.88	155	37.91	15.00	19	4	.12	.6	.9	DML	1.3X	3	115	3
96	SEP	14	2136	10.53	19	19.11	155	10.79	7.26	32	2	.09	.4	.6	SF3	1.5X	3	108	6
96	SEP	15	724	55.11	19	21.98	155	24.41	11.21	37	4	.10	.4	.7	SWR	1.4X	5	44	4
96	SEP	15	952	18.46	19	19.03	155	13.21	10.31	45	11	.13	.4	.5	SF2	2.1X	8	128	7
96	SEP	15	953	6.20	19	18.01	155	13.12	8.55	33	5	.10	.5	.8	SF2	1.7X	5	102	2
96	SEP	16	408	32.51	18	54.18	155	16.31	13.84	34		.09	2.0	1.4	LOI	2.5X	3	252	35
96	SEP	16	1142	11.63	19	20.20	155	7.94	7.45	18	5	.06	.5	.9	SF4	1.7X	2	121	5
96	SEP	16	1654	20.47	19	19.97	155	13.33	8.61	31	7	.10	.4	.6	SF2	1.7X	3	66	5
96	SEP	17	526	25.09	18	51.92	155	15.79	12.79	29	4	.09	1.3	1.0	LOI	2.5X	3	286	39
96	SEP	17	632	41.39	22	4.22	156	33.35	34.32	51	18	.11	3.5	2.7	DIS	3.9X	7	342	274
96	SEP	17	1138	13.25	19	23.15	155	14.71	3.32	16	5	.07	.3	.4	SEC	1.8X	2	75	2
96	SEP	17	1514	58.64	19	23.03	155	14.76	3.73	25	6	.11	.4	.4	SEC	2.0X	3	74	2
96	SEP	17	1828	56.82	19	20.48	155	13.02	7.14	30	6	.09	.4	.7	SF2	1.5X	2	64	4
96	SEP	17	2244	4.23	19	28.06	154	53.09	0.00	35	3	.15	1.1	.5	SLEF#	2.2X	3	182	4
96	SEP	18	15	5.42	19	19.91	155	8.36	7.38	21	5	.07	.6	.9	SF4	1.8X	2	161	5
96	SEP	18	651	52.07	19	21.99	155	27.43	13.41	27	3	.09	.5	.9	DML	1.6X	2	77	8
96	SEP	18	1419	45.95	19	27.52	155	51.46	12.03	28	2	.14	1.4	.5	KON	1.8X	4	201	11

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	SEP	19	506	26.55	19	19.39	155	3.35	7.52	30	1	.15	1.0	.8	SF5E	1.6X	1	198	9
96	SEP	19	726	13.72	19	22.66	155	9.12	3.20	24	4	.09	.5	.3	SER	1.9X	2	118	2
96	SEP	19	911	13.29	19	24.48	155	16.23	10.47	18	5	.14	.8	.8	INTL	2.0X	3	90	1
96	SEP	19	1006	16.94	19	19.37	155	10.20	7.20	32	6	.10	.4	.6	SF3	1.6X	4	100	5
96	SEP	19	1420	33.62	19	23.27	155	14.86	2.73	15	6	.09	.3	.5	SEC	1.7X	3	104	2
96	SEP	19	1750	16.68	19	19.47	155	15.20	8.59	33	5	.11	.4	.6	SF1	2.2X	3	124	4
96	SEP	19	1805	7.88	19	30.67	154	48.38	10.33	19	4	.10	2.2	.6	LER	1.5X	2	322	4
96	SEP	19	1924	25.53	19	24.52	155	16.64	11.83	25	3	.12	.6	.7	INTL	1.7X	3	98	1
96	SEP	19	2105	5.25	18	47.51	155	14.42	9.24	28	7	.12	.9	1.0	LOI	1.7X	2	285	47
96	SEP	19	2123	7.90	19	25.95	155	16.46	6.88	20	3	.10	.6	.5	INTL	1.7X	3	113	2
96	SEP	20	154	58.23	20	2.27	155	46.14	27.24	39	6	.10	1.4	2.0	KOH	2.2X	4	279	39
96	SEP	20	714	3.30	19	20.48	155	24.75	10.02	23	4	.09	.5	.9	SWR	1.3X	2	68	3
96	SEP	20	810	9.12	19	17.65	155	30.18	10.54	24	5	.12	.4	1.1	LSW	1.3X	2	77	10
96	SEP	21	414	31.37	18	53.41	155	16.38	16.19	32		.09	2.7	14.6	LOI -	3.0X	3	251	36
96	SEP	21	535	44.49	19	19.77	155	13.60	8.55	36	6	.11	.4	.7	SF2	1.6X	6	63	5
96	SEP	21	748	12.25	20	19.48	155	54.05	7.47	27	6	.12	7.1	8.9	KOH -	1.9X	3	316	76
96	SEP	21	1248	26.62	18	46.49	155	14.33	48.42	34	2	.09	1.9	2.3	LOI	2.4X	1	271	49
96	SEP	21	1641	23.31	19	45.77	155	34.69	14.48	35	7	.14	.7	.4	KEA	1.6X	4	166	13
96	SEP	21	1901	28.85	19	12.14	155	27.28	5.84	43	8	.11	.3	1.2	LSW	1.7X	6	119	5
96	SEP	21	1906	23.57	19	12.22	155	27.43	5.83	38	3	.12	.4	1.1	LSW	1.5X	5	115	5
96	SEP	22	327	34.50	19	24.50	155	15.73	8.46	20	5	.10	.8	.6	INTL	1.7X	4	97	2
96	SEP	22	1036	33.28	19	32.36	155	55.58	10.45	31	6	.18	1.2	.5	KON	1.5X	4	231	17
96	SEP	22	1714	11.51	19	20.70	155	3.58	9.34	45	11	.10	.6	.4	SF5	2.4X	7	179	9
96	SEP	23	1337	58.95	19	29.01	155	50.52	12.57	27	5	.10	.8	.3	KON	1.9X	3	193	23
96	SEP	23	1921	16.50	19	20.05	155	11.75	7.96	40	7	.14	.5	.6	SF3	1.9X	3	83	5
96	SEP	24	2208	11.92	19	23.45	155	15.27	13.47	31	6	.10	.7	.3	DEPL	2.2X	4	69	2
96	SEP	25	136	44.65	19	28.43	155	37.95	14.07	17		.10	1.1	.8	DML	1.2D	1	192	4
96	SEP	25	700	39.75	19	18.92	155	12.65	7.91	29	5	.12	.5	.8	SF2	1.4X	3	94	4
96	SEP	25	1011	8.23	19	16.57	155	13.05	8.17	32	6	.12	.6	.9	SF2	1.9X	4	177	1
96	SEP	25	1325	47.56	18	47.17	155	14.68	10.56	20	3	.06	1.5	.8	LOI	2.2X	2	312	47
96	SEP	25	1624	29.48	19	25.14	155	17.17	4.88	16	4	.10	.7	.5	SNCL	1.6X	3	112	1
96	SEP	25	2131	1.28	19	17.29	155	30.22	0.03	35	4	.18	.4	.6	LSW #	1.9X	2	79	11
96	SEP	26	55	20.10	19	19.34	155	18.62	33.40	43	9	.09	.7	.9	DEP	1.7X	6	66	3
96	SEP	26	1925	26.47	19	17.78	155	13.04	10.43	45	13	.11	.4	.4	SF2	2.4X	9	145	9
96	SEP	27	533	52.85	19	19.86	155	7.87	8.23	42	10	.11	.4	.5	SF4	1.8X	6	125	5
96	SEP	27	930	41.06	19	25.16	155	19.34	6.49	33	6	.12	.4	.8	KAO	2.3X	5	70	3
96	SEP	27	1114	39.56	19	16.61	155	30.00	12.55	32	4	.14	.4	1.2	LSW	2.1X	3	80	11
96	SEP	27	1536	50.24	19	39.00	155	7.55	7.00	21		.13	4.5	1.5	HILB	2.3X	2	285	26
96	SEP	28	1249	23.00	19	20.42	155	7.27	9.34	45	11	.10	.4	.4	SF4	1.9X	8	133	5
96	SEP	28	1614	22.41	19	50.87	156	7.31	43.57	46	9	.11	1.3	1.1	HUA	2.6X	8	293	35
96	SEP	29	435	25.47	19	24.52	155	16.83	1.56	17	4	.12	.4	.2	SSCL	1.6X	3	84	1
96	SEP	29	940	42.57	19	27.11	155	35.46	48.10	28	7	.10	1.0	1.0	DMLL	2.0X	3	62	2
96	SEP	29	1525	59.80	19	29.52	155	15.50	6.81	28	3	.11	.6	1.5	GLNL	1.7X	4	140	8
96	SEP	29	1804	38.08	19	20.33	155	7.92	7.07	35	4	.13	.6	.8	SF4	1.6X	4	122	5
96	SEP	30	303	40.37	19	21.87	155	4.48	7.26	34	4	.12	.6	.7	SF5	1.6X	4	160	6

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	SEP	30	1125	11.32	19	19.25	155	13.12	7.08	34	4	.09	.4	.8	SF2	1.3X	4	78	4
96	SEP	30	1418	30.70	19	26.57	155	34.22	57.92	16	3	.07	1.8	1.4	DMLL	1.6X	2	53	3
96	OCT	1	650	6.03	19	29.68	155	39.52	50.46	32	10	.11	1.0	.7	DML	2.1X	4	137	6
96	OCT	2	105	55.93	20	0.15	156	29.64	12.31	36	7	.10	6.8	9.9	DIS -	2.1X	5	313	77
96	OCT	2	435	34.78	19	28.99	155	38.41	21.13	28	8	.11	.6	.8	DML	1.8X	3	121	4
96	OCT	2	1911	19.53	19	25.37	155	20.68	1.99	19	5	.09	.3	.8	KAO	1.5X	4	89	4
96	OCT	3	852	13.88	19	25.85	155	19.27	7.35	22	5	.14	.6	1.0	KAO	1.6X	4	88	3
96	OCT	3	910	11.72	19	29.19	155	38.05	15.69	17	4	.13	1.5	.6	DML	1.8X	1	208	4
96	OCT	3	1002	26.89	19	20.32	155	12.91	7.90	28	5	.09	.4	.8	SF2	1.5X	3	68	4
96	OCT	3	2157	3.36	19	24.63	155	17.08	1.86	15	4	.10	.4	.2	SNC	1.6X	3	77	1
96	OCT	4	1344	48.66	19	20.51	155	20.85	29.01	48	12	.11	.6	.8	DEP	2.1X	8	67	4
96	OCT	5	1953	10.55	19	29.82	155	27.05	6.00	25	5	.09	.3	1.0	KAO	1.4X	3	76	4
96	OCT	5	2313	13.36	19	21.70	154	48.80	42.16	54	18	.12	1.0	.7	LER	2.6X	9	263	16
96	OCT	6	520	36.64	19	25.20	155	38.85	2.75	23	5	.11	.6	.4	MLO	1.7X	2	183	2
96	OCT	6	617	24.39	19	10.23	155	31.35	0.79	36	5	.13	.4	.5	LSW	1.7X	4	114	6
96	OCT	6	651	41.98	19	12.75	155	44.36	9.54	23		.14	1.0	.9	KON	1.6X	4	181	7
96	OCT	6	713	24.40	19	10.73	155	5.61	52.81	48	11	.11	.8	1.0	DEP	2.0X	7	215	13
96	OCT	6	1648	24.05	19	20.98	155	7.79	7.88	38	8	.09	.4	.6	SF4	1.4X	6	122	4
96	OCT	6	1723	17.36	19	18.97	155	47.18	0.21	43	11	.15	.6	.3	KON	2.1X	9	180	13
96	OCT	6	2147	36.91	19	24.65	155	16.75	1.57	21	6	.10	.3	.2	SNCL	1.8X	5	88	1
96	OCT	7	1320	18.90	19	22.11	155	2.68	7.47	41	10	.13	.6	.6	SF5	1.7X	6	172	9
96	OCT	7	1532	57.26	19	20.60	155	10.80	8.84	33	6	.10	.4	.6	SF3	2.2X	3	76	3
96	OCT	7	2215	55.41	19	16.38	155	22.23	7.70	34	4	.13	.4	.9	SWR	1.5X	3	133	5
96	OCT	7	2300	20.29	19	25.52	155	14.77	8.82	11	5	.09	1.0	1.8	INTL	1.9X	4	189	2
96	OCT	8	525	56.51	19	30.97	155	56.16	20.70	28	5	.09	1.0	1.4	KON	2.2X	2	233	18
96	OCT	8	959	23.95	19	28.30	155	6.08	14.55	40	10	.09	.6	.4	DEP	1.9X	7	111	10
96	OCT	8	1853	11.21	19	26.24	155	15.14	1.57	22	6	.12	.3	.5	SNCL	1.5X	4	155	3
96	OCT	8	2240	30.28	19	23.47	155	16.90	3.38	22	4	.12	.3	.3	SSCL	1.9X	4	45	1
96	OCT	8	2250	50.37	19	25.31	155	16.37	11.00	19	4	.10	.9	.7	INTL	2.1X	4	113	1
96	OCT	9	8	21.59	19	24.74	155	17.11	10.76	13	3	.16	1.1	.8	INTL	2.3X	2	127	0
96	OCT	9	16	26.29	19	25.83	155	15.50	16.34	19	4	.09	1.3	.8	DEPL	2.3X	3	154	3
96	OCT	9	112	27.82	19	25.63	155	15.12	2.45	20	3	.09	.3	.4	SNCL	1.9X	3	159	2
96	OCT	9	121	43.02	19	15.77	155	31.83	8.04	37	6	.14	.4	1.7	LSW	2.2X	3	95	13
96	OCT	9	603	6.35	19	24.21	155	17.10	1.02	13	4	.09	.6	.3	SSCL	1.6X	2	105	1
96	OCT	9	701	3.24	19	25.56	155	15.61	8.10	12	2	.06	1.0	.8	INTL	2.5X	2	181	3
96	OCT	9	719	22.48	19	23.98	155	15.99	0.04	19	4	.10	.2	.3	SECL	1.7X	4	112	1
96	OCT	9	843	27.46	19	25.32	155	14.90	15.66	20	3	.10	1.3	.8	DEPL	2.2X	1	140	2
96	OCT	9	946	43.72	19	23.11	155	17.70	6.61	19	3	.10	.5	.9	INTL	1.8X	3	72	2
96	OCT	9	1431	52.09	20	13.56	155	40.88	7.77	38	8	.12	2.0	2.5	KOH	2.0X	6	296	55
96	OCT	9	2206	28.72	18	54.62	155	13.30	49.11	36	4	.09	1.4	1.8	LOI	1.8X	4	265	38
96	OCT	9	2346	45.59	19	25.98	155	18.80	6.09	39	10	.12	.4	.6	INT	1.7X	6	69	2
96	OCT	10	103	14.11	19	24.01	155	16.58	11.47	18	3	.09	.9	.9	INTL	1.4X	3	110	0
96	OCT	10	145	17.70	19	24.60	155	17.26	13.13	19	3	.12	.7	1.0	DEPL	1.2X	4	74	1
96	OCT	10	335	1.12	19	24.91	155	16.07	13.61	22	3	.09	.6	.7	DEPL	1.5X	4	108	2
96	OCT	10	1103	50.94	19	16.54	155	28.99	4.10	24		.20	.6	6.2	LSW	1.5X	2	75	10

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF N		AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	OCT	11	309	19.58	19	11.08	155	41.59	8.35	29	3	.14	.5	.9	LSW	2.0X	2	122	8
96	OCT	13	351	55.33	19	29.79	155	31.22	23.06	37	8	.10	.4	.8	DML	1.5X	7	65	7
96	OCT	13	747	21.31	19	14.65	155	31.60	33.79	5217		.08	.5	.9	DLS	2.2X	9	62	10
96	OCT	13	839	43.09	19	19.29	155	13.58	8.84	29	5	.07	.4	.6	SF2	1.5X	6	135	6
96	OCT	13	1054	29.42	19	8.31	155	57.72	43.87	32	7	.08	1.4	1.1	KON	2.0X	4	253	21
96	OCT	13	1854	29.93	19	21.98	155	15.98	26.08	4714		.11	.6	.6	DEP	2.0X	8	92	1
96	OCT	15	1146	28.72	19	27.28	155	26.00	6.03	30	6	.12	.3	1.6	KAO	1.4X	6	63	7
96	OCT	15	1147	55.56	19	12.42	155	42.16	0.06	39	7	.19	.5	.3	LSW #	1.8X	6	117	9
96	OCT	15	2048	45.48	19	20.96	155	7.75	9.53	4412		.10	.5	.4	SF4F	2.9X	7	122	4
96	OCT	16	9	13.70	19	19.73	155	6.84	8.65	37	6	.11	.6	.4	SF4	2.2X	4	150	5
96	OCT	16	541	33.61	19	20.57	155	8.94	7.80	32	4	.12	.6	.7	SF4	1.7X	4	102	3
96	OCT	16	614	29.89	19	20.54	155	8.69	8.04	4513		.09	.4	.5	SF4	1.9X	8	106	3
96	OCT	16	732	56.75	19	15.72	155	31.51	10.39	35	5	.19	.5	1.4	LSW	2.1X	2	56	10
96	OCT	16	1151	55.86	19	25.05	155	37.89	2.77	25	5	.12	.3	.3	MLO	1.9X	3	131	1
96	OCT	16	1243	57.43	19	21.83	155	26.46	11.94	28	4	.10	.4	.9	KAO	1.3X	2	74	2
96	OCT	16	2045	12.91	19	20.11	155	6.73	8.02	35	8	.11	.5	.5	SF4	1.8X	3	148	6
96	OCT	16	2212	20.43	19	16.77	155	28.73	10.77	4612		.12	.3	.6	LSWF	3.0X	6	55	9
96	OCT	17	541	12.90	19	17.55	155	13.03	8.25	25	5	.09	.5	.9	SF2	1.8X	4	172	9
96	OCT	17	918	35.95	19	17.08	155	27.07	5.54	29	1	.13	.5	2.6	LSW	1.2X	4	61	7
96	OCT	17	1109	55.61	19	20.00	155	8.02	6.80	26	5	.09	.7	.8	SF4	1.8X	3	173	5
96	OCT	17	1134	31.38	19	7.90	155	34.97	0.03	19	3	.26	4.0	.9	LSW #	2.3X	1	260	13
96	OCT	18	42	50.93	19	19.96	155	46.68	11.27	33	6	.12	.8	.5	KON	1.4X	5	175	12
96	OCT	18	249	30.72	19	11.71	155	37.55	11.07	25	5	.14	.5	1.0	LSW	2.1X	1	87	6
96	OCT	18	258	40.16	19	26.38	155	26.14	8.76	27	5	.12	.4	1.2	KAO	1.3X	3	50	8
96	OCT	18	425	35.01	19	11.70	155	41.62	0.01	4011		.18	.5	.3	LSW #	1.9X	7	106	9
96	OCT	19	208	12.38	19	20.83	155	8.27	9.77	38	8	.09	.5	.4	SF4	1.5X	6	113	4
96	OCT	19	331	8.79	19	25.84	155	27.46	8.55	38	8	.09	.3	1.0	KAO	1.7X	6	44	10
96	OCT	19	1112	45.86	19	3.03	155	13.00	26.28	43	8	.09	.9	1.6	LOI	2.0X	6	223	28
96	OCT	19	2050	53.87	19	23.24	155	15.15	2.78	22	8	.10	.3	.3	SEC	1.4X	5	106	2
96	OCT	19	2205	29.44	19	20.71	155	4.80	8.15	38	7	.09	.5	.5	SF5	1.7X	6	167	7
96	OCT	20	834	18.16	19	9.74	155	35.97	0.24	4411		.17	.4	.3	LSW	1.9X	7	109	10
96	OCT	20	913	34.06	19	9.19	155	35.90	8.12	33	4	.17	.6	1.3	LSW	1.8X	3	114	11
96	OCT	20	934	27.44	19	20.47	155	6.99	8.95	35	7	.09	.5	.5	SF4	1.5X	6	139	5
96	OCT	20	2312	54.01	20	56.39	156	27.06	16.10	37	6	.12	4.2	15.2	DIS -	2.6X	5	341	153
96	OCT	21	125	16.63	19	20.19	155	7.99	7.91	36	6	.10	.5	.6	SF4	1.5X	6	120	5
96	OCT	21	319	49.96	19	19.99	155	13.42	6.20	33	7	.08	.3	.7	SF2	1.1X	6	117	5
96	OCT	21	909	18.81	19	24.80	155	20.21	7.03	30	7	.11	.4	1.0	KAO	1.4X	6	57	5
96	OCT	21	1713	45.75	19	22.43	155	19.64	30.04	5116		.12	.5	.6	DML	3.2X	8	71	6
96	OCT	21	1727	4.54	19	21.89	155	9.20	3.32	8		.06	2.1	.6	SER	1.1D	1	213	1
96	OCT	21	1727	52.79	19	22.32	155	19.60	30.62	4211		.12	.6	.8	DML	2.3X	7	72	6
96	OCT	22	1610	25.42	19	19.77	155	9.58	9.54	35	8	.11	.5	.6	SF3	1.5X	5	120	4
96	OCT	22	2143	33.47	19	49.27	155	32.60	22.31	42	9	.13	.9	1.3	KEA	2.0X	7	231	10
96	OCT	23	832	53.72	19	22.32	155	19.63	29.35	4816		.12	.6	.8	DML	2.4X	7	72	6
96	OCT	23	1457	5.26	19	25.32	155	15.47	14.47	18	4	.09	1.1	.9	DEPL	2.0X	4	130	2
96	OCT	24	1003	26.01	19	23.66	155	30.44	11.74	40	9	.09	.3	.8	KAO	1.5X	5	46	5

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF N		AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	OCT	24	2238	7.91	19	20.60	155	7.41	7.56	36	4	.12	.6	.7	SF4	1.5X	3	131	5
96	OCT	25	130	49.96	19	22.44	155	12.49	3.69	33	6	.14	.4	.4	SER	1.9X	6	108	1
96	OCT	25	138	23.45	19	21.71	155	12.79	2.63	14	2	.07	.5	.5	SER	1.5X	2	103	2
96	OCT	25	417	44.18	19	25.39	155	16.83	6.94	23	5	.11	.4	.5	INTL	2.1X	5	103	1
96	OCT	25	2141	53.48	19	23.64	155	14.97	3.86	22	8	.10	.4	.5	SEC	1.6X	4	93	2
96	OCT	25	2142	30.74	19	23.34	155	15.02	3.20	22	8	.12	.3	.4	SEC	1.5X	5	102	2
96	OCT	25	2142	59.04	19	23.69	155	15.25	3.58	4210		.09	.3	.3	SECF	2.2X	5	74	2
96	OCT	25	2149	46.94	19	23.30	155	14.86	2.13	17	6	.09	.2	.3	SEC	1.6X	5	102	2
96	OCT	25	2150	55.97	19	24.09	155	14.70	2.62	27	4	.10	.3	.4	SECF	2.1X	5	123	3
96	OCT	25	2152	13.23	19	23.41	155	15.16	3.04	22	8	.08	.3	.3	SEC	1.8X	4	101	2
96	OCT	25	2152	25.54	19	23.11	155	15.02	2.19	21	8	.13	.2	.4	SEC	1.8X	4	109	2
96	OCT	25	2152	57.01	19	23.46	155	14.91	1.86	18	7	.10	.2	.4	SEC	1.5X	2	98	2
96	OCT	25	2153	42.44	19	23.20	155	15.10	2.80	19	8	.11	.3	.4	SEC	1.9X	4	106	2
96	OCT	25	2155	19.27	19	23.73	155	15.10	3.42	4011		.12	.3	.3	SECF	2.5X	6	77	2
96	OCT	25	2157	40.69	19	23.72	155	15.07	3.63	3811		.12	.3	.3	SECF	2.3X	5	91	2
96	OCT	25	2159	14.81	19	23.14	155	14.95	2.65	20	7	.13	.3	.4	SEC	1.6X	4	108	2
96	OCT	25	2211	51.43	19	22.93	155	14.74	3.50	19	8	.10	.3	.4	SEC	1.4X	4	116	2
96	OCT	25	2212	44.14	19	23.29	155	15.03	2.95	19	8	.11	.3	.4	SEC	1.1X	5	103	2
96	OCT	25	2218	27.47	19	23.35	155	14.84	3.00	19	6	.09	.3	.4	SEC	1.6X	4	82	3
96	OCT	25	2221	0.14	19	23.31	155	14.92	2.52	19	8	.09	.3	.4	SEC	1.7X	4	103	2
96	OCT	26	32	33.38	19	23.35	155	14.36	2.49	30	6	.11	.3	.3	SEC	2.1X	5	96	2
96	OCT	26	38	55.94	19	23.10	155	14.84	2.95	19	7	.11	.3	.4	SEC	1.6X	3	109	2
96	OCT	26	418	4.86	19	22.89	155	14.96	3.07	22	9	.10	.3	.3	SEC	1.9X	4	117	2
96	OCT	26	555	31.66	19	23.21	155	14.94	3.15	30	9	.10	.3	.3	SEC	2.2X	5	106	2
96	OCT	26	844	58.33	19	22.97	155	14.85	3.29	22	9	.10	.3	.3	SEC	1.7X	6	114	2
96	OCT	26	1220	5.49	19	23.79	155	18.65	6.61	21	6	.09	.5	.7	INTL	2.1X	5	110	3
96	OCT	26	1244	56.88	19	23.15	155	14.86	3.59	35	9	.12	.3	.3	SEC	2.3X	5	84	2
96	OCT	26	1246	5.32	19	22.90	155	14.93	3.29	20	8	.11	.3	.3	SEC	2.0X	4	117	2
96	OCT	26	1813	40.27	19	24.25	155	16.80	9.74	16	4	.13	.7	1.0	INTL	1.8X	3	78	1
96	OCT	27	555	48.76	19	20.98	155	29.87	10.41	31	1	.07	.4	1.1	KAO	1.6X	3	59	5
96	OCT	27	1253	4.71	19	20.61	155	2.61	8.51	36	7	.11	.7	.5	SF5	1.7X	6	193	7
96	OCT	27	1718	18.33	19	25.80	155	14.60	11.24	18	6	.07	.7	.6	INTL	2.0X	4	174	2
96	OCT	27	1909	21.45	19	23.54	155	15.08	3.70	28	7	.13	.3	.4	SEC	1.7X	5	80	2
96	OCT	27	1942	36.22	19	24.27	155	17.21	12.38	23	6	.12	.5	.6	INTL	1.9X	4	64	1
96	OCT	27	1956	47.49	19	19.52	155	11.51	9.29	37	8	.08	.4	.6	SF3	1.2X	5	125	6
96	OCT	27	2036	53.44	19	24.02	155	15.68	3.31	37	9	.11	.3	.3	SECF	2.2X	6	76	2
96	OCT	27	2252	49.95	19	23.67	155	18.04	11.14	16	4	.08	.9	1.0	INTL	2.0X	3	142	3
96	OCT	27	2332	43.29	19	19.09	155	9.89	6.92	31	5	.09	.4	1.0	SF3	1.5X	4	118	5
96	OCT	28	158	23.25	19	22.46	155	18.08	7.82	19	6	.11	.5	.8	INTL	2.1X	5	72	4
96	OCT	28	518	33.08	19	19.79	155	11.10	5.78	30	3	.11	.5	1.2	SF3	1.5X	3	118	5
96	OCT	28	638	16.70	19	24.30	155	15.94	0.23	16	4	.12	.2	.3	SECL	1.3X	2	86	1
96	OCT	28	1459	44.46	19	24.75	155	16.09	10.31	22	4	.11	.7	.6	INTL	2.1X	3	102	2
96	OCT	28	1825	58.91	19	24.84	155	16.95	12.36	20	5	.10	.8	.7	INTL	2.1X	5	89	0
96	OCT	28	2219	22.75	19	25.21	155	16.76	10.81	24	6	.12	.6	.6	INTL	1.8X	5	101	1
96	OCT	28	2355	55.20	19	20.13	155	8.44	9.57	4613		.11	.5	.3	SF4	2.6X	7	111	4

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	OCT	29	22	42.04	19	23.92	155	14.48	2.93	22	3	.13	.3	.3	SECL	2.1X	4	80	1
96	OCT	29	155	57.29	19	25.13	155	16.85	7.13	18	3	.10	.6	.6	INTL	1.9X	4	97	0
96	OCT	29	518	33.04	19	23.36	155	17.86	8.80	25	4	.11	.5	.6	INTL	2.1X	4	58	2
96	OCT	29	654	55.42	19	25.29	155	16.21	10.42	26	4	.12	.6	.5	INTL	2.1X	3	113	2
96	OCT	29	937	37.11	19	25.86	155	16.04	9.46	21	5	.11	.6	.6	INTL	2.1X	5	124	2
96	OCT	29	1034	34.98	20	7.91	156	35.73	29.68	5216		.11	1.4	2.7	DISF	3.2X	8	319	93
96	OCT	29	1146	47.73	19	23.93	155	16.96	10.24	20	5	.12	.9	.6	INTL	1.9X	3	92	1
96	OCT	29	1320	37.54	19	24.46	155	16.90	9.44	24	6	.10	.5	.6	INTL	2.0X	4	81	1
96	OCT	29	1503	3.37	19	24.63	155	15.82	11.42	20	5	.10	.8	.6	INTL	2.1X	3	101	2
96	OCT	29	1630	8.50	19	18.83	155	13.36	9.90	28	3	.09	.6	.8	SF2	1.4X	3	155	7
96	OCT	29	1940	40.83	19	25.12	155	16.73	10.58	24	6	.12	.5	.5	INTL	2.1X	5	100	1
96	OCT	29	2230	21.75	19	24.17	155	15.12	12.19	18	3	.10	1.1	.9	INTL	1.7X	4	77	2
96	OCT	30	224	40.01	19	24.90	155	17.51	9.32	24	6	.11	.5	.6	INTL	1.9X	4	75	1
96	OCT	30	321	44.64	19	19.38	155	12.99	9.28	33	5	.10	.4	.8	SF2	1.5X	5	124	6
96	OCT	30	1320	39.74	19	24.94	155	15.61	7.47	25	5	.14	.7	.6	INTL	2.0X	4	121	2
96	OCT	30	1438	32.73	19	24.98	155	16.51	10.22	12	3	.06	1.0	.9	INTL	1.7X	3	154	1
96	OCT	30	1625	41.69	19	24.22	155	16.44	11.86	17	4	.09	.8	.7	INTL	1.8X	5	115	1
96	OCT	30	1655	38.94	19	25.61	155	19.37	6.05	20	6	.06	.4	.8	KAO	1.7X	4	81	3
96	OCT	30	1733	59.92	19	21.99	155	4.62	6.79	34	4	.11	.6	.7	SF5	1.8X	4	157	4
96	OCT	30	1852	0.60	19	24.86	155	17.80	11.89	18	5	.13	.7	.9	INTL	1.8X	5	79	1
96	OCT	31	706	0.97	19	27.11	155	29.64	12.68	35	6	.11	.3	.8	KAO	1.5X	7	46	7
96	OCT	31	1934	48.48	19	18.62	156	2.99	46.20	42	8	.09	1.1	1.3	KON	2.2X	7	256	35
96	OCT	31	2324	20.03	19	24.09	155	18.90	16.38	27	6	.13	.7	.6	DEPL	2.3X	5	54	3
96	NOV	1	1042	30.29	19	25.15	155	16.59	9.48	28	6	.12	.6	.5	INTL	2.1X	5	103	1
96	NOV	1	1119	38.40	19	26.35	155	22.17	8.96	33	8	.08	.3	.8	KAO	1.5X	5	45	3
96	NOV	1	2035	58.16	19	23.89	155	16.88	5.82	26	4	.13	.4	.6	INTL	1.9X	5	69	0
96	NOV	1	2144	42.57	19	24.54	155	16.52	0.90	19	6	.14	.3	.2	SSCL	1.5X	4	88	1
96	NOV	2	500	8.41	19	25.30	155	31.46	12.96	38	8	.11	.3	.7	KAO	1.5X	7	41	3
96	NOV	2	506	23.32	19	24.92	155	17.23	7.53	29	5	.11	.4	.4	INTL	2.0X	4	72	0
96	NOV	2	546	24.36	19	19.46	155	7.19	6.87	37	8	.10	.5	.7	SF4	1.5X	6	143	4
96	NOV	2	733	18.21	19	25.61	155	17.59	11.87	20	5	.11	.8	.7	INTL	1.6X	4	82	0
96	NOV	2	843	20.23	19	22.60	155	26.92	10.91	4613		.10	.3	.6	KAO	1.5X	8	48	1
96	NOV	2	1405	44.69	19	25.83	155	30.81	12.21	5015		.10	.3	.4	KAO	2.3X	9	39	8
96	NOV	2	1623	37.63	19	30.63	155	47.83	8.87	4512		.15	.6	.4	KON	2.6X	9	173	3
96	NOV	2	1837	44.20	19	24.87	155	14.89	12.95	29	6	.10	.8	.5	INTL	2.2X	4	132	1
96	NOV	3	429	8.33	19	24.84	155	16.76	9.69	24	6	.12	.6	.6	INTL	2.0X	4	93	0
96	NOV	3	1725	18.76	19	20.06	155	12.29	9.44	4612		.13	.3	.4	SF3	2.2X	8	112	5
96	NOV	3	1822	51.74	19	48.06	155	32.44	22.14	33	3	.10	1.0	1.4	KEA	2.2X	4	215	9
96	NOV	3	1912	48.56	19	24.79	155	16.18	15.24	23	6	.11	1.0	.6	DEPL	2.1X	5	102	1
96	NOV	3	2024	11.26	19	24.74	155	38.16	3.07	22	4	.14	.5	.5	MLO	1.7X	1	100	1
96	NOV	3	2347	33.35	19	23.90	155	15.81	0.16	22	5	.11	.2	.3	SECL	1.7X	4	72	1
96	NOV	4	426	16.27	19	47.84	155	40.02	21.47	24	6	.14	1.0	1.6	KEA	1.8X	2	218	22
96	NOV	4	628	13.94	19	25.34	155	16.08	9.18	28	6	.12	.5	.4	INTL	2.1X	5	117	2
96	NOV	4	2054	23.36	19	24.60	155	17.05	7.78	25	5	.11	.5	.4	INTL	2.2X	5	79	1
96	NOV	4	2123	12.78	19	25.15	155	16.71	10.53	19	5	.09	.6	.6	INTL	1.8X	5	154	1

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	NOV	4	2142	5.33	19	25.24	155	15.91	11.77	25	5	.10	.5	.5	INTL	2.2X	3	99	2
96	NOV	4	2257	51.27	19	25.36	155	16.43	8.55	16	5	.08	.8	.8	INTL	1.8X	4	163	1
96	NOV	5	33	53.62	19	24.97	155	15.78	4.62	35	6	.13	.4	.5	SNCL	2.0X	4	98	2
96	NOV	5	242	7.54	19	24.20	155	17.57	8.16	24	6	.12	.5	.7	INTL	2.1X	4	44	2
96	NOV	5	520	49.44	19	18.77	155	16.14	8.07	33	4	.11	.4	.9	SF1	1.4X	5	131	3
96	NOV	5	606	37.83	19	19.58	155	7.93	7.80	30	4	.11	.7	.9	SF4	1.5X	3	178	4
96	NOV	5	805	57.39	19	23.89	155	16.27	10.07	23	6	.09	.5	.4	INTL	2.0X	4	100	1
96	NOV	5	1122	17.31	19	21.31	155	29.76	10.10	40	9	.09	.3	.7	KAO	1.7X	6	57	4
96	NOV	5	1830	53.94	19	24.57	155	16.45	9.91	28	8	.13	.5	.5	INTL	2.1X	6	89	1
96	NOV	5	2208	48.49	19	24.22	155	17.84	10.97	20	6	.11	.6	.7	INTL	1.8X	5	77	2
96	NOV	6	125	58.22	19	23.68	155	17.00	10.09	22	6	.12	.5	.5	INTL	2.0X	5	69	1
96	NOV	6	1039	41.63	19	25.32	155	15.71	12.52	11	2	.10	1.3	1.4	INTL	2.2X	2	136	2
96	NOV	6	1101	27.74	19	29.83	155	27.37	7.91	32	6	.11	.3	.9	KAO	1.7X	4	75	4
96	NOV	6	1239	16.85	19	20.14	155	12.29	8.62	35	5	.13	.5	.4	SF3	2.0X	3	127	5
96	NOV	6	1707	32.76	19	23.89	155	15.63	16.12	9	3	.11	2.7	1.4	DEPL	2.0X	1	133	2
96	NOV	6	2315	42.95	19	24.53	155	17.39	8.23	13	3	.11	.9	.8	INTL	2.1X	3	81	1
96	NOV	7	434	34.05	19	23.61	155	17.72	6.18	14	2	.14	.7	1.2	INTL	2.0X	3	82	2
96	NOV	7	445	25.31	19	22.85	155	15.79	10.11	13	5	.10	1.3	.8	INTL	2.1X	2	156	1
96	NOV	7	608	4.00	19	24.59	155	17.05	11.76	11	2	.10	1.1	1.5	INTL	1.9X	3	119	1
96	NOV	7	653	32.52	19	20.24	155	5.42	10.02	16	3	.12	1.7	.5	SF4	1.7X	1	254	7
96	NOV	7	958	20.17	19	26.06	155	15.43	11.30	26	6	.13	.8	.5	INTL	2.1X	5	161	3
96	NOV	7	1010	52.08	19	23.43	155	14.73	3.80	20	5	.10	.4	.5	SEC	2.2X	3	98	2
96	NOV	7	1421	47.17	19	24.48	155	16.76	7.53	11	2	.10	1.1	.7	INTL	2.3X	2	84	1
96	NOV	7	1524	42.50	19	15.74	155	32.82	11.88	23	3	.10	.4	1.2	LSW	2.7X	1	100	8
96	NOV	7	1627	17.18	19	24.25	155	16.05	9.03	29	6	.11	.5	.4	INTL	2.1X	4	84	1
96	NOV	7	1657	29.60	19	23.59	155	17.12	4.23	24	6	.13	.3	.5	SSCL	1.5X	5	53	1
96	NOV	7	1845	0.69	19	9.76	155	18.78	36.64	34	4	.11	1.2	1.1	LOI	1.8X	2	216	12
96	NOV	7	2049	23.54	19	25.65	155	15.53	13.41	15	3	.11	1.1	.9	DEPL	2.4X	2	157	3
96	NOV	8	217	21.02	19	26.10	155	16.28	9.79	12	2	.09	1.0	1.2	INTL	1.6X	2	139	3
96	NOV	8	449	28.67	19	24.02	155	17.15	9.88	16	4	.11	.7	.9	INTL	2.3X	2	121	1
96	NOV	8	714	17.44	19	24.32	155	16.56	9.10	13	3	.10	.8	.9	INTL	2.2X	2	81	1
96	NOV	8	919	22.76	19	22.45	155	47.96	13.20	26	4	.09	.9	.4	KON	2.0X	3	228	14
96	NOV	8	941	55.95	19	19.71	155	11.83	6.36	27	5	.10	.5	1.2	SF3	1.7X	2	133	6
96	NOV	8	1008	58.84	19	24.01	155	16.44	8.17	14	5	.13	1.8	.8	INTL	2.1X	2	101	0
96	NOV	8	1104	8.23	19	20.82	155	11.57	9.16	36	6	.13	.5	.5	SF3	2.2X	4	99	4
96	NOV	8	1117	53.49	19	24.14	155	16.87	12.61	25	6	.14	.6	.7	INTL	2.2X	5	75	1
96	NOV	8	1431	36.14	19	24.64	155	15.60	2.34	24	6	.16	.3	.3	SNCL	1.9X	5	106	2
96	NOV	8	1725	32.43	19	23.87	155	16.57	10.61	19	5	.09	.6	.7	INTL	1.4X	4	70	0
96	NOV	8	2352	20.20	19	24.49	155	16.80	9.02	25	6	.12	.5	.5	INTL	2.2X	5	84	1
96	NOV	9	347	33.04	19	16.25	155	22.87	8.35	27	2	.10	.4	1.1	SWR	1.3X	3	125	4
96	NOV	9	503	39.99	19	22.17	155	17.32	12.54	21	8	.13	.6	.9	INTL	2.0X	6	107	3
96	NOV	9	1835	13.90	19	20.75	155	30.25	10.58	4714		.08	.3	.6	KAO	1.7X	11	61	6
96	NOV	9	1910	17.01	19	22.32	155	30.54	11.06	38	5	.10	.3	1.0	KAO	1.5X	5	53	5
96	NOV	10	226	28.03	19	12.11	155	35.59	31.64	5115		.08	.4	.9	DLS	2.6X	9	89	6
96	NOV	10	1641	8.49	19	20.11	155	7.26	7.72	35	8	.09	.5	.6	SF4	1.5X	7	137	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	NOV	10	1902	30.34	19	24.44	155	17.33	8.99	28	8	.12	.4	.6	INTL	2.3X	6	51	1
96	NOV	10	2122	8.11	19	17.25	155	13.51	10.19	31	3	.09	.6	.8	SF2	1.5X	5	153	9
96	NOV	11	609	58.51	19	25.19	155	19.95	3.36	33	9	.08	.3	.6	KAO	1.5X	5	66	4
96	NOV	11	629	29.71	19	28.03	155	18.90	1.84	4815		.11	.3	.3	GLNF	2.7X	5	114	3
96	NOV	11	659	48.36	19	25.49	155	19.43	5.98	3810		.10	.3	.7	KAO	2.0X	6	77	3
96	NOV	11	1105	43.69	19	25.50	155	19.34	6.74	33	7	.11	.4	.8	KAO	1.8X	4	49	3
96	NOV	11	2126	37.32	19	23.26	155	16.39	11.36	23	6	.11	.7	.6	INTL	2.2X	4	57	1
96	NOV	12	202	24.57	19	20.84	155	11.60	10.00	34	7	.12	.5	.5	SF3	1.4X	5	112	4
96	NOV	12	257	26.68	19	26.56	155	29.30	10.59	4512		.11	.3	.8	KAO	2.0X	8	45	8
96	NOV	12	1818	46.28	19	24.62	155	15.63	13.00	13	4	.08	1.6	1.0	DEPL	1.8X	2	204	2
96	NOV	12	1819	7.33	19	21.93	155	8.94	3.45	17	4	.08	.5	.4	SER	1.8X	2	127	2
96	NOV	12	1935	20.53	19	26.74	155	23.38	10.35	31	5	.11	.4	.8	KAO	1.7X	3	70	5
96	NOV	12	2331	0.94	19	33.80	155	41.88	10.52	29	4	.11	.5	.9	MLO	1.8X	2	93	9
96	NOV	13	50	19.16	19	25.00	155	17.05	11.86	16	4	.07	.8	.9	INTL	1.6X	2	90	0
96	NOV	13	643	6.99	19	19.65	155	7.57	9.23	16	6	.04	.6	1.0	SF4	1.8X	3	191	4
96	NOV	13	1337	57.52	19	20.76	155	4.23	8.13	33	3	.10	.6	.6	SF5	2.1X	2	173	8
96	NOV	13	1340	9.52	19	20.86	155	4.38	7.60	27	2	.10	.7	.6	SF5	1.9X	2	169	7
96	NOV	13	1922	46.38	19	24.15	155	17.17	6.07	25	6	.09	.4	.4	INTL	1.9X	5	67	1
96	NOV	14	117	56.63	19	24.21	155	17.49	15.44	10	1	.09	1.2	2.1	DEPL	1.8X	2	85	2
96	NOV	14	332	5.57	19	24.63	155	16.94	12.85	22	4	.11	.7	.8	INTL	1.8X	4	84	1
96	NOV	14	514	18.52	19	11.24	155	20.57	31.89	32	4	.11	1.0	1.1	DEP	1.8X	2	194	8
96	NOV	14	550	42.87	19	24.04	155	16.80	14.22	24	5	.11	.6	.4	DEPL	1.6X	4	73	0
96	NOV	14	601	17.13	19	25.40	155	18.33	6.20	37	9	.11	.4	.6	INT	1.9X	6	76	1
96	NOV	14	635	31.84	19	20.42	155	11.72	9.23	33	6	.12	.5	.8	SF3	1.8X	2	105	4
96	NOV	14	746	54.26	19	24.45	155	17.72	13.53	12	2	.12	1.2	1.5	DEPL	1.9X	2	87	2
96	NOV	14	1018	23.72	19	27.16	155	15.48	7.36	13	2	.13	1.3	1.0	INTL	1.5X	2	194	2
96	NOV	14	1316	0.34	19	15.00	155	29.36	0.08	34	7	.15	.3	.4	LSW	1.8X	2	85	9
96	NOV	14	1323	5.61	19	15.35	155	29.55	0.03	37	3	.17	.4	.7	LSW #	2.2X	3	64	10
96	NOV	14	1329	55.13	19	25.76	155	16.98	13.50	14	3	.12	.9	1.2	DEPL	1.9X	2	105	1
96	NOV	14	1736	59.19	19	21.79	155	3.57	6.97	33	5	.14	.6	.6	SF5	2.0X	3	168	8
96	NOV	14	1754	14.97	19	25.22	155	16.96	12.83	13	3	.09	.8	1.0	INTL	1.6X	2	96	1
96	NOV	15	217	47.41	19	25.63	155	16.02	6.07	17	5	.08	.5	.7	INTL	1.5X	4	122	2
96	NOV	15	819	56.58	19	25.02	155	15.81	12.66	8	1	.11	2.3	2.0	INTL	1.6X	1	119	2
96	NOV	15	1639	20.58	19	26.96	155	28.46	10.38	43	9	.10	.3	.8	KAO	1.8X	6	51	8
96	NOV	15	1731	50.29	19	18.62	155	30.80	11.97	5017		.11	.3	.7	LSW	2.8X	8	42	9
96	NOV	15	1812	32.25	19	23.20	155	18.03	7.23	20	6	.09	.5	.6	INTL	2.0X	5	127	3
96	NOV	16	159	9.32	19	22.71	155	20.29	8.41	19	6	.12	.7	1.3	KAOL	2.1X	5	162	7
96	NOV	16	207	46.30	19	25.71	155	16.86	2.91	30	5	.10	.3	.2	SNCL	1.7X	5	80	1
96	NOV	16	1204	56.85	19	28.95	155	27.12	6.38	30	8	.11	.3	1.4	KAO	1.4X	6	85	6
96	NOV	16	1430	59.51	19	24.73	155	16.79	1.91	20	6	.14	.5	.2	SNC	1.6X	4	90	0
96	NOV	16	2146	20.43	19	24.77	155	16.17	5.34	19	5	.07	.4	.5	INTL	1.6X	5	102	1
96	NOV	17	330	3.18	19	16.81	155	29.44	11.94	38	8	.12	.4	.9	LSW	1.7X	5	77	11
96	NOV	17	729	10.90	19	28.99	156	12.85	37.18	4914		.12	.9	1.3	KONF	3.8X	5	294	31
96	NOV	17	1511	40.31	19	42.20	155	21.76	46.88	4511		.08	.7	.7	KEA	2.5X	7	161	13
96	NOV	17	2039	56.76	19	25.49	155	27.93	10.47	5017		.11	.3	.6	KAOF	2.9X	6	43	6

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	NOV	17	2234	6.58	19	24.79	155	17.50	13.17	13	2	.08	.8	1.2	DEPL	1.7X	2	82	1
96	NOV	17	2349	40.25	19	20.06	155	11.54	8.14	4011		.14	.4	.7	SF3	1.9X	8	108	5
96	NOV	18	47	4.89	19	23.28	155	17.24	1.73	22	5	.12	.3	.3	SSCL	1.8X	5	59	2
96	NOV	18	314	25.86	19	25.17	155	39.37	2.65	19	5	.09	.6	.4	MLO	1.7X	1	208	3
96	NOV	18	519	52.76	19	25.49	155	16.11	9.60	16	3	.15	1.1	.8	INTL	1.8X	2	128	2
96	NOV	18	723	54.70	19	11.42	155	16.14	50.93	29	5	.11	1.3	1.6	DEPL	1.7X	3	232	13
96	NOV	18	816	17.35	19	25.17	155	16.75	10.45	20	5	.09	.6	.7	INTL	1.8X	3	101	1
96	NOV	18	1114	10.37	19	24.80	155	16.43	12.06	13	2	.13	1.1	1.5	INTL	1.8X	1	97	1
96	NOV	18	1137	56.41	19	19.89	155	7.33	8.44	26	3	.09	.8	.6	SF4	1.9X	2	198	5
96	NOV	18	1656	37.98	19	22.86	155	28.43	10.78	33	2	.10	.4	.7	KAO	1.6X	3	49	2
96	NOV	18	1723	8.97	19	25.38	155	16.63	12.69	10	3	.07	1.3	1.0	INTL	1.7X	1	108	1
96	NOV	18	2014	10.57	19	24.35	155	17.05	7.21	23	3	.15	.5	.7	INTL	1.6X	4	77	1
96	NOV	18	2333	52.18	19	18.49	155	13.05	9.89	34	5	.10	.5	.7	SF2	1.6X	4	135	8
96	NOV	18	2341	24.30	19	26.18	155	16.36	14.57	14	2	.12	1.1	1.4	DEPL	1.8X	2	133	3
96	NOV	19	231	19.54	19	24.97	155	16.47	11.58	24	5	.10	.5	.6	INTL	1.8X	5	102	1
96	NOV	19	419	32.45	19	25.02	155	16.57	10.64	16	2	.10	.6	.7	INTL	1.8X	3	101	1
96	NOV	19	845	49.47	19	25.28	155	17.02	12.04	11	2	.12	1.5	1.1	INTL	1.8X	2	96	1
96	NOV	19	1730	31.50	19	23.15	155	16.88	8.19	10	3	.08	1.3	2.0	INTL	1.7X	2	154	1
96	NOV	19	1843	24.95	19	25.74	155	16.51	12.95	26	6	.13	.9	.4	INTL	2.3X	5	110	2
96	NOV	19	1922	8.64	19	24.40	155	16.28	13.95	26	5	.11	.7	.4	DEPL	2.1X	5	87	1
96	NOV	19	2242	43.49	19	24.16	155	17.32	8.69	9	2	.14	1.6	1.6	INTL	1.7X	2	136	1
96	NOV	19	2320	11.49	19	24.39	155	16.87	13.06	11	3	.16	2.3	1.7	DEPL	1.9X	2	125	1
96	NOV	20	17	46.91	19	26.19	155	16.31	11.44	11	4	.17	2.4	1.1	INTL	1.8X	2	140	3
96	NOV	20	120	13.70	19	22.83	155	19.36	9.00	18	6	.09	.6	.7	KAOL	1.9X	4	175	5
96	NOV	20	210	8.11	19	25.90	155	17.25	8.97	11	2	.12	1.6	1.1	INTL	1.7X	3	97	1
96	NOV	20	253	9.77	19	20.17	155	7.37	9.02	32	5	.09	.8	.4	SF4	1.9X	2	196	5
96	NOV	20	326	19.62	19	24.49	155	16.98	9.71	22	6	.10	.5	.6	INTL	1.8X	5	81	1
96	NOV	20	402	29.59	19	19.66	155	9.81	6.74	16	4	.05	.5	1.1	SF3	1.4X	2	117	4
96	NOV	20	426	28.95	19	23.58	155	15.49	10.04	20	5	.12	.6	.9	INTL	1.8X	5	87	2
96	NOV	20	520	11.13	19	22.92	155	18.80	8.54	9	3	.06	2.0	1.3	INTL	2.0X	2	239	4
96	NOV	20	641	31.20	19	25.14	155	15.00	6.58	8	2	.03	3.0	1.3	INTL	1.8X	3	263	4
96	NOV	20	653	30.09	19	20.38	155	8.20	8.79	4212		.12	.4	.4	SF4	2.1X	8	115	4
96	NOV	20	1316	27.34	19	23.87	155	15.67	7.85	19	6	.08	.6	.7	INTL	2.1X	4	72	2
96	NOV	20	1558	35.06	19	24.99	155	17.30	11.43	13	3	.12	1.3	1.0	INTL	2.1X	3	85	1
96	NOV	20	1905	23.05	19	25.64	155	16.17	9.27	13	3	.11	1.2	.9	INTL	2.0X	3	176	2
96	NOV	20	2127	26.34	19	24.67	155	17.02	9.65	12	4	.11	.9	.8	INTL	1.6X	2	126	0
96	NOV	21	205	5.92	19	25.72	155	13.89	16.07	11	2	.10	2.5	1.3	DEPL	2.2X	2	218	2
96	NOV	21	631	8.79	19	24.48	155	16.85	0.61	12	2	.15	.4	.3	SSCL	1.8X	3	124	1
96	NOV	21	819	34.89	19	24.99	155	18.21	8.54	12	3	.10	1.1	.6	INTL	2.0X	2	134	1
96	NOV	21	1232	47.04	19	13.39	155	24.49	47.00	22	3	.09	1.231	.6	DEPL-	2.2X	1	202	2
96	NOV	21	1756	57.93	19	24.76	155	15.18	9.06	10	3	.09	1.1	1.3	INTL	1.8X	3	120	2
96	NOV	22	600	40.58	19	24.12	155	17.63	7.12	10	2	.12	.9	1.3	INTL	1.8X	3	87	2
96	NOV	23	119	3.61	20	1.81	156	11.64	37.35	36	6	.11	1.2	2.2	KOH	2.3X	6	311	53
96	NOV	23	1402	42.25	19	26.61	155	20.45	6.38	3910		.13	.4	.8	KAO	1.7X	7	71	2
96	NOV	23	1414	40.10	19	26.67	155	20.25	6.49	31	7	.12	.4	.8	KAO	1.3X	6	95	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	NOV	23	1511	20.79	19	15.27	155	27.70	12.97	35	4	.11	.4	.6	LSW	1.6X	6	77	7
96	NOV	23	1630	55.91	19	25.27	155	15.88	14.45	40	9	.11	.6	.3	DEP	1.5X	7	99	2
96	NOV	23	1639	24.34	19	19.90	155	12.34	10.50	49	10	.11	.4	.3	SF2F	4.3D	1	111	5
96	NOV	23	2304	56.26	19	21.78	155	29.90	8.83	33	2	.12	.4	1.1	KAO	1.3X	3	54	4
96	NOV	24	146	30.52	19	20.10	155	12.21	8.90	42	11	.13	.4	.5	SF3	1.7X	6	111	5
96	NOV	24	851	0.89	19	19.55	155	7.93	7.61	34	5	.10	.5	.6	SF4	1.4X	4	125	4
96	NOV	24	1247	27.31	19	18.41	155	13.07	8.80	34	4	.14	.6	.7	SF2	1.9X	3	136	8
96	NOV	24	1442	16.26	19	18.50	155	13.36	6.60	30	5	.10	.5	1.1	SF2	1.7X	3	135	8
96	NOV	24	2129	21.93	19	17.85	155	12.81	9.68	32	5	.12	.6	.9	SF2	1.3X	6	144	9
96	NOV	24	2307	13.60	19	23.65	155	2.12	0.03	38	8	.16	.8	.3	SME #	1.8X	7	163	10
96	NOV	25	123	11.89	19	24.73	155	16.68	1.62	14	3	.12	.4	.2	SNCL	1.6X	3	91	1
96	NOV	25	522	4.97	19	20.80	155	12.55	10.44	33	4	.11	.5	.4	SF2	1.8X	2	112	4
96	NOV	25	1249	50.43	19	34.76	156	22.95	29.72	35	5	.12	1.3	2.9	DIS	2.2X	5	307	50
96	NOV	26	526	47.51	19	19.85	155	11.71	9.96	23	5	.09	.6	.8	SF3	2.1X	3	129	5
96	NOV	26	1401	48.88	19	31.02	155	41.68	4.25	20	3	.11	.6	6.6	MLO	2.0X	2	162	7
96	NOV	26	1459	15.36	19	19.20	155	12.55	4.46	25	7	.07	.4	3.1	SSF	1.5X	3	146	6
96	NOV	26	2109	14.50	19	26.19	155	17.10	11.98	12	3	.12	1.7	.9	INTL	2.1X	2	105	2
96	NOV	27	1911	7.22	19	25.61	155	27.73	12.04	31	4	.13	.4	.9	KAO	1.4X	6	45	6
96	NOV	27	2231	7.76	19	23.81	155	16.34	9.72	24	5	.12	.7	.5	INTL	1.5X	5	94	0
96	NOV	27	2301	3.80	18	50.05	155	15.37	12.09	35	3	.12	1.5	1.7	LOI	2.8X	4	274	42
96	NOV	28	1831	19.00	19	18.92	155	15.09	9.02	40	10	.11	.4	.7	SF1	1.5X	8	131	5
96	NOV	29	2147	58.46	19	27.86	155	17.10	12.91	52	18	.11	.4	.3	INT	2.2X	8	112	1
96	NOV	30	1830	30.80	19	18.88	155	13.25	9.18	33	6	.12	.5	.7	SF2	1.4X	7	131	7
96	DEC	1	1235	50.29	19	19.40	155	15.51	8.36	36	6	.12	.4	.7	SF1	1.5X	6	125	4
96	DEC	1	2201	27.20	19	19.87	155	11.13	8.30	37	7	.10	.4	.8	SF3	1.7X	5	108	5
96	DEC	2	27	17.67	19	22.19	155	29.90	10.20	47	12	.09	.3	.7	KAO	2.1X	7	33	4
96	DEC	2	105	38.11	19	19.75	155	8.81	6.12	30	4	.08	.4	.9	SF4	1.4X	4	103	5
96	DEC	2	252	45.96	19	21.03	155	30.18	10.34	36	5	.08	.3	.8	KAO	1.8X	6	59	5
96	DEC	2	259	19.62	19	19.58	155	13.94	8.68	38	8	.12	.4	.6	SF2	1.7X	7	122	6
96	DEC	2	656	17.91	19	24.01	155	15.92	2.60	19	5	.13	.4	.3	SECL	1.9X	4	114	1
96	DEC	3	509	16.91	19	38.56	155	57.55	19.34	29	6	.09	1.0	1.1	KON	1.9X	3	261	14
96	DEC	3	714	37.35	19	12.26	155	29.44	35.23	39	7	.07	.6	1.1	DLS	1.7X	5	76	6
96	DEC	3	1240	5.08	19	11.97	156	11.58	26.73	24	4	.10	1.8	2.8	KON	1.7X	1	281	35
96	DEC	3	1831	18.46	19	12.80	155	31.97	13.51	27	5	.11	.5	.8	DLS	1.8X	2	125	9
96	DEC	4	6	12.07	19	26.59	155	30.29	13.00	30	7	.10	.4	.7	KAO	1.8X	3	43	6
96	DEC	4	238	19.74	19	26.85	155	14.82	31.37	38	7	.11	.6	.8	DEP	2.2X	4	118	4
96	DEC	5	648	26.07	19	30.76	155	27.38	4.93	15	5	.08	.4	.9	MLO	1.9X	2	115	2
96	DEC	5	1340	11.45	19	23.25	155	14.69	3.47	40	9	.13	.3	.3	SECF	2.4X	2	88	3
96	DEC	5	1341	35.66	19	22.95	155	14.85	3.10	20	4	.10	.3	.3	SEC	2.0X	4	86	2
96	DEC	5	1425	31.64	19	23.38	155	14.74	3.61	34	8	.12	.4	.4	SEC	2.2X	1	82	3
96	DEC	5	1427	4.52	19	22.77	155	14.79	3.06	20	6	.11	.3	.4	SEC	1.6X	3	89	2
96	DEC	5	1548	39.39	19	22.84	155	15.05	2.87	21	7	.12	.3	.4	SEC	1.5X	5	86	2
96	DEC	5	1638	36.03	19	24.97	155	38.31	2.90	40	10	.12	.3	.4	MLO	2.2X	8	75	1
96	DEC	5	1729	44.33	19	23.61	155	27.17	10.59	40	8	.10	.3	.6	KAO	1.5X	6	32	2
96	DEC	5	1944	59.56	19	19.55	155	8.85	6.52	33	8	.09	.5	.8	SF4	1.4X	5	142	4

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	DEC	8	905	44.31	19	19.73	155	18.68	6.16	41	7	.13	.4	.8	SWR	2.0X	7	75	2
96	DEC	8	909	53.61	19	19.26	155	18.68	6.09	33	4	.11	.4	.9	SWR	1.7X	5	106	2
96	DEC	8	947	19.97	19	19.13	155	18.70	5.93	39	8	.13	.4	.9	SWR	1.6X	7	77	2
96	DEC	8	1027	3.41	19	19.14	155	18.62	5.57	35	6	.11	.5	1.0	SWR	1.9X	6	151	3
96	DEC	8	1037	34.22	19	25.15	155	16.14	2.80	20	5	.09	.3	.3	SNC	1.6X	4	112	2
96	DEC	8	1046	21.95	19	19.96	155	19.60	1.25	19	1	.08	.3	.8	SWR	1.2X	3	69	4
96	DEC	8	1158	44.60	19	20.26	155	19.11	2.63	27	5	.14	.5	.8	SWR	1.2X	4	73	3
96	DEC	8	1250	22.50	19	19.74	155	18.84	6.12	40	10	.12	.4	.9	SWR	2.1X	8	121	3
96	DEC	8	1340	31.15	19	19.83	155	18.85	3.88	24	5	.09	.5	.9	SWR	1.4X	5	95	3
96	DEC	8	2035	31.68	19	20.27	155	19.68	0.76	29	5	.14	.3	.6	SWR	1.3X	5	62	4
96	DEC	8	2122	59.85	19	19.98	155	19.02	3.06	32	6	.13	.5	.8	SWR	1.3X	5	84	3
96	DEC	9	1321	51.50	19	19.87	155	10.85	8.08	36	8	.07	.4	.6	SF3	1.5X	5	106	4
96	DEC	9	1913	1.36	18	54.33	155	33.64	41.67	38	6	.09	1.7	1.1	DLS	2.2X	3	269	14
96	DEC	9	2023	18.21	19	18.17	155	12.98	8.68	29	4	.10	.6	.7	SF2	1.7X	2	140	8
96	DEC	10	1339	26.83	19	18.83	155	13.26	9.53	44	9	.13	.4	.5	SF2	2.2X	4	131	7
96	DEC	11	40	31.42	19	13.82	155	30.59	1.58	34	3	.17	.6	1.3	LSW	2.1X	3	128	9
96	DEC	11	1342	39.53	19	26.51	155	21.98	9.08	29	4	.11	.4	.8	KAO	1.8X	4	45	3
96	DEC	11	2134	23.56	19	25.89	155	16.48	1.41	13	4	.12	.3	.5	SNCL	1.4X	2	125	2
96	DEC	13	550	36.59	19	11.25	155	30.11	7.80	33	7	.19	.7	1.5	LSW	1.4X	5	154	5
96	DEC	13	736	44.02	19	22.21	155	4.91	7.15	35	4	.11	.6	.7	SF5	1.7X	5	151	5
96	DEC	13	1832	32.27	20	42.04	155	46.26	19.87	33	4	.11	1.8	9.9	DIS	2.6X	6	319	107
96	DEC	14	152	16.85	19	58.38	155	37.64	12.41	31	6	.15	1.3	.8	KOH	1.9X	5	284	28
96	DEC	14	653	32.26	19	30.60	155	56.11	17.94	25	4	.14	2.2	2.4	KON	1.6X	5	271	3
96	DEC	15	8	30.29	19	20.17	155	11.71	9.81	46	14	.11	.3	.4	SF3	2.3X	8	108	5
96	DEC	15	37	28.45	19	19.21	155	13.76	31.72	39	8	.11	.8	1.0	DEP	1.9X	7	127	7
96	DEC	15	1015	57.71	19	19.45	155	8.55	9.75	32	6	.11	.5	.6	SF4	1.7X	5	107	4
96	DEC	15	1035	43.23	19	21.88	155	13.24	3.02	16	5	.07	.4	.9	SER	1.4X	3	147	5
96	DEC	15	2003	54.80	19	20.91	155	6.88	8.40	33	8	.11	.6	.6	SF4	1.9X	6	137	5
96	DEC	15	2004	52.11	19	20.51	155	7.76	5.98	28	5	.11	.5	.9	SF4	1.9X	5	125	5
96	DEC	16	52	25.12	19	25.68	155	16.63	1.96	32	8	.11	.3	.2	SNCF	2.4X	3	106	2
96	DEC	16	422	3.73	19	24.10	155	27.34	10.67	43	13	.11	.3	.7	KAO	2.0X	7	36	3
96	DEC	16	1549	11.87	19	20.67	155	8.49	7.78	21	4	.09	.8	.9	SF4	1.9X	2	155	4
96	DEC	16	1622	46.50	19	20.36	155	3.36	6.68	23	1	.13	2.0	.7	SF5	1.7X	3	262	9
96	DEC	16	1855	35.53	20	44.97	154	49.23	7.04	16	5	.11	8.7	11.0	DIS -	2.2X	1	338	110
96	DEC	16	2019	59.95	19	29.23	154	53.66	0.03	28	2	.14	.7	.5	SLEF#	2.1X	2	147	4
96	DEC	16	2053	26.00	19	56.91	155	34.99	21.05	14	5	.10	1.3	2.4	KOH	1.5X	1	281	23
96	DEC	16	2320	14.62	19	19.86	155	8.08	8.08	30	2	.10	.5	.5	SF4	2.0X	2	120	5
96	DEC	17	618	34.28	19	25.77	155	16.10	12.14	10	1	.10	1.2	1.4	INTL	1.5X	1	136	2
96	DEC	17	750	46.17	19	25.64	155	23.62	8.99	30	3	.11	.4	1.1	KAO	1.8X	2	50	6
96	DEC	17	1324	58.41	19	21.81	155	5.05	5.79	27	3	.14	.7	1.3	SF5	1.9X	1	151	5
96	DEC	17	1328	27.05	19	36.31	155	5.93	15.27	37	5	.11	.5	.8	HIL	1.8X	8	152	24
96	DEC	18	158	21.30	19	45.85	155	53.70	0.46	46	14	.14	1.2	.4	HUA	2.8X	9	262	31
96	DEC	18	551	34.33	19	44.16	155	56.46	7.48	18	4	.09	1.1	1.1	HUA	1.9X	1	295	31
96	DEC	18	552	17.72	19	44.81	155	53.00	7.83	23	2	.11	2.0	.9	HUA	1.9X	2	257	29
96	DEC	18	1601	0.13	19	20.20	155	7.61	7.22	22	4	.09	.5	.9	SF4	1.6X	2	128	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	DEC	18	1745	51.70	19	22.07	155	28.67	10.42	35	4	.11	.4	.8	KAO	1.7X	2	53	2
96	DEC	18	2241	54.95	19	24.80	155	16.53	8.44	30	7	.11	.4	.4	INTL	1.6X	6	95	1
96	DEC	19	2119	6.99	19	20.46	155	11.40	8.92	36	6	.11	.5	.7	SF3	1.4X	5	103	4
96	DEC	20	11	26.39	19	20.74	155	6.67	6.98	36	4	.12	.6	.6	SF4	1.3X	4	141	5
96	DEC	20	759	4.64	19	24.80	155	15.73	10.36	25	5	.13	.8	.5	INTL	1.6X	4	104	2
96	DEC	20	1025	6.74	20	4.73	155	21.36	7.00	35	5	.14	1.1	.7	KEA	2.2X	5	281	21
96	DEC	21	712	37.38	19	33.19	155	55.52	10.09	29	4	.13	.9	.4	KON	1.7X	5	218	7
96	DEC	21	1020	35.68	19	17.06	155	30.08	4.95	32	2	.20	.5	3.6	LSW	1.2X	2	79	11
96	DEC	21	1806	18.38	19	27.76	155	25.43	14.92	40	9	.11	.3	.4	DML	1.9X	7	45	5
96	DEC	22	1430	49.09	19	20.21	155	10.69	8.56	28	3	.10	.6	.7	SF3	1.4X	3	117	4
96	DEC	22	1910	24.38	19	21.22	155	13.13	8.56	38	4	.12	.4	.6	SF2	1.5X	4	103	5
96	DEC	24	1230	15.10	19	34.61	156	6.29	29.91	27	6	.10	1.3	1.4	KON	2.3X	3	282	22
96	DEC	25	3	20.15	19	25.62	155	16.13	8.86	18	4	.10	.8	.6	INTL	2.0X	4	119	2
96	DEC	25	1429	14.22	19	24.81	155	18.75	4.46	34	9	.12	.3	.6	SNC	2.0X	6	66	2
96	DEC	25	1711	31.79	19	28.09	154	52.90	5.29	25	3	.13	1.3	.8	LER	1.5X	3	185	4
96	DEC	25	1825	20.56	19	22.54	155	25.72	12.06	30	3	.10	.4	.7	KAO	1.3X	4	46	3
96	DEC	25	2019	52.10	19	22.72	155	16.12	31.60	4310		.12	.7	.7	DEP	2.3X	6	59	1
96	DEC	25	2341	18.87	19	42.74	156	1.57	5.97	25	3	.19	1.8	.9	HUA	2.0X	3	273	20
96	DEC	26	904	32.63	19	47.88	156	2.04	42.33	38	6	.07	1.4	1.2	HUA	2.6X	4	278	24
96	DEC	26	1411	8.27	19	22.62	155	30.44	9.49	29	4	.08	.4	.8	KAO	1.5X	3	53	5
96	DEC	26	1526	15.20	19	19.97	155	7.26	8.83	35	6	.11	.6	.6	SF4	1.5X	6	137	5
96	DEC	26	1744	19.81	19	19.27	155	8.04	9.22	30	5	.09	.5	.6	SF4	1.5X	4	121	4
96	DEC	27	1609	16.56	19	19.10	155	13.20	8.16	24	4	.12	.5	1.0	SF2	1.4X	5	127	6
96	DEC	27	2059	42.84	19	21.46	155	4.85	7.46	22	2	.11	.7	.9	SF5	1.4X	3	159	6
96	DEC	27	2300	21.64	19	22.93	155	15.02	3.04	18	7	.11	.4	.4	SEC	1.8X	4	116	2
96	DEC	28	1023	2.40	19	19.54	155	9.01	7.95	19	3	.11	.7	1.0	SF4	1.5X	3	137	4
96	DEC	28	1025	30.38	19	19.41	155	9.17	8.07	25	5	.06	.5	.8	SF3	1.7X	5	91	4
96	DEC	30	204	35.72	19	26.82	155	25.86	2.34	6		.04	1.3	5.6	KAO	.6D	1	131	7
96	DEC	30	2225	15.44	19	19.31	155	15.21	6.59	21	3	.10	.5	1.1	SF1	1.3X	6	126	4
96	DEC	30	2244	13.01	19	20.31	155	13.15	7.18	22	3	.12	.6	.9	SF2	1.4X	3	113	4

Table 6.

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JAN	8	40	7.25	18	57.06	155	34.63	41.88	5211		.09	.8	1.0	DLSF	3.5X	6	240	10
96	JAN	9	1422	47.81	17	2.38	153	53.16	31.34	43	3	.13	3.2	2.7	DIS	3.3X	4	343	282
96	JAN	20	2300	22.73	19	20.91	155	7.76	8.60	5718		.14	.3	.3	SF4F	3.2X	4	120	4
96	JAN	21	1109	1.74	19	50.83	155	31.37	20.71	5518		.10	.6	1.3	KEAF	4.4D	1	193	10
96	JAN	21	1558	46.87	19	50.27	155	31.66	16.43	5719		.11	.6	2.3	KEAF	3.1X	4	189	10
96	JAN	30	1839	41.21	19	21.74	155	2.86	4.09	10	2	.15	6.1	14.4	SSFE-	3.3D	1	299	9
96	MAR	2	2228	53.42	19	21.45	155	6.83	10.48	5115		.11	.5	.3	SF4F	3.2X	2	174	4
96	MAR	5	107	53.71	19	28.62	155	15.92	24.93	5717		.12	.5	.6	DEPF	4.0D	1	54	2
96	MAR	8	2015	20.91	19	49.36	155	33.70	28.08	5917		.10	.5	1.0	KEAF	3.5X	4	104	11
96	MAR	14	659	33.94	20	23.86	156	24.07	33.46	5512		.15	.9	1.7	DIS	3.2X	5	148	38
96	MAR	17	918	14.95	19	49.59	156	8.91	40.20	5311		.11	.9	1.3	HUAF	3.2X	8	291	36
96	MAR	31	721	26.34	17	31.28	154	43.88	6.92	24	4	.13	10.3	12.6	DIS -	3.0X	2	341	189
96	APR	4	2227	20.70	19	37.95	155	49.10	15.14	46	8	.12	.6	.4	KONF	3.1X	6	127	6
96	APR	10	1208	35.01	20	11.88	157	48.11	2.14	37	5	.12	13.6	7.4	DIS -	3.2X	6	339	212
96	APR	16	1855	24.30	19	45.46	155	26.86	25.65	4912		.09	.5	.9	KEA	3.1X	8	78	3
96	MAY	17	127	1.16	20	9.95	155	57.40	29.27	5314		.11	.8	2.7	KOH	3.1X	7	299	54
96	JUN	9	1238	37.57	18	47.11	155	13.80	10.52	33	2	.09	2.0	1.1	LOI	3.0X	3	302	48
96	JUN	14	11	23.42	18	55.79	155	9.68	49.57	5711		.11	.9	1.4	LOIF	4.8D	1	249	40
96	JUN	29	1232	5.26	19	15.77	155	13.79	34.33	5110		.10	.7	.9	DEPF	4.4D	1	162	2
96	JUL	16	2350	9.59	18	49.75	155	17.30	13.24	46	9	.12	1.5	2.7	LOI	3.1X	4	273	41
96	JUL	17	39	13.97	18	47.65	155	16.50	11.16	42	5	.12	1.0	1.2	LOI	3.0X	3	278	45
96	JUL	17	105	29.89	18	51.58	155	13.52	12.86	43	6	.12	1.4	2.0	LOI	3.0X	3	270	42
96	JUL	17	653	32.09	18	53.21	155	13.47	13.11	46	8	.12	1.0	1.8	LOI	3.8X	1	253	39
96	JUL	18	739	52.24	19	53.44	155	35.03	14.21	51	8	.10	.9	.6	KEAF	4.4D	1	220	18
96	JUL	18	2014	59.13	18	47.35	155	12.51	9.31	40	8	.12	1.0	1.2	LOI	3.1X	3	297	49
96	JUL	21	723	58.62	18	57.53	155	13.52	13.21	30	1	.12	1.7	.8	LOI	3.1X	1	241	33
96	JUL	21	726	18.07	18	54.73	155	16.61	14.29	39		.11	2.1	1.6	LOI	3.2X	1	245	34
96	JUL	21	1219	36.43	18	50.78	155	11.32	10.96	33	3	.11	1.3	.7	LOI	3.4D	1	294	45
96	JUL	21	1301	9.22	18	54.32	155	16.45	13.84	40		.09	1.5	1.4	LOI	3.0X	3	247	34
96	JUL	21	1804	49.36	18	53.30	155	16.54	13.34	40	4	.11	1.1	.9	LOI	4.2D	1	265	36
96	JUL	21	1805	17.67	18	54.76	155	16.81	13.93	39	2	.09	1.2	1.1	LOI	3.0X	1	245	33
96	JUL	21	1909	36.02	18	53.86	155	16.09	13.84	38	1	.12	2.0	1.9	LOI	3.0X	2	248	35
96	JUL	21	2045	45.32	18	55.13	155	17.10	14.74	39		.10	1.8	2.2	LOI	3.1X	1	245	33
96	JUL	21	2141	33.21	18	53.91	155	16.34	11.33	35	1	.12	1.9	.8	LOI	3.3X	1	264	35
96	JUL	21	2223	41.84	18	53.39	155	15.40	13.23	34		.09	2.9	1.3	LOI	3.0X	2	268	37
96	JUL	21	2247	2.03	18	54.78	155	16.08	14.26	36		.09	1.7	2.4	LOI	3.0X	2	246	34
96	JUL	21	2319	20.20	18	54.41	155	16.51	14.19	38		.09	1.6	2.4	LOI	3.1X	3	248	34
96	JUL	22	7	8.84	18	50.97	155	14.03	11.62	29	6	.10	1.3	1.4	LOI	3.0X	3	306	42
96	JUL	22	13	56.31	18	54.07	155	16.19	13.48	37		.10	2.3	1.1	LOI	3.0X	2	249	35
96	JUL	22	56	59.55	18	51.69	155	16.01	12.52	30	3	.11	1.4	1.1	LOI	3.0X	4	270	39

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	22	116	53.48	18	52.54	155	15.91	10.28	42	5	.13	1.3	.8	LOI	4.1D	1	268	38
96	JUL	22	205	19.81	18	55.95	155	16.37	14.62	26		.10	2.2	1.8	LOI	3.1X	2	243	32
96	JUL	22	231	23.53	18	53.84	155	16.75	10.29	39	3	.11	1.4	1.0	LOI	3.2X	2	265	45
96	JUL	22	409	49.29	18	53.83	155	15.79	12.82	41	2	.11	2.0	1.3	LOI	4.0D	1	250	36
96	JUL	22	450	59.23	18	56.45	155	16.28	14.59	38		.11	1.4	1.7	LOI	4.1D	1	240	32
96	JUL	22	517	37.41	18	55.53	155	16.62	14.08	22		.08	3.0	1.6	LOI	4.2D	1	259	32
96	JUL	22	646	56.44	18	54.59	155	16.13	14.44	39		.10	2.2	4.5	LOI	4.2D	1	246	34
96	JUL	22	725	23.75	18	57.85	155	16.48	15.18	28	1	.09	1.6	2.6	LOI	3.0X	2	235	29
96	JUL	22	728	20.50	18	48.74	155	13.66	10.19	38	4	.11	1.4	1.1	LOI	4.0D	1	294	46
96	JUL	22	804	0.97	18	51.85	155	14.90	12.15	38	2	.09	1.8	1.3	LOI	3.3X	1	260	40
96	JUL	22	859	19.02	18	55.83	155	17.27	15.63	23		.08	2.7	13.1	LOI -	3.0X	2	257	31
96	JUL	22	910	7.46	18	48.68	155	14.15	9.37	45	7	.14	1.3	.9	LOI	4.4D	1	281	45
96	JUL	22	1021	17.22	18	54.21	155	16.35	14.23	34		.10	1.9	2.9	LOI	3.0X	2	254	35
96	JUL	22	1033	28.34	18	54.93	155	15.82	14.18	39	1	.10	1.6	2.1	LOI	3.1X	2	246	34
96	JUL	22	1107	28.33	18	55.79	155	16.23	13.93	36		.13	1.8	1.1	LOI	4.2D	1	242	33
96	JUL	22	1131	52.89	18	49.84	155	17.19	21.89	46	9	.14	1.1	6.1	LOI	4.7D	1	273	41
96	JUL	22	1235	37.83	18	56.69	155	16.16	14.44	41	2	.10	1.3	1.1	LOI	3.1X	2	239	31
96	JUL	22	1236	43.03	18	56.09	155	16.33	17.12	34		.10	1.8	12.7	LOI -	4.2D	1	241	32
96	JUL	22	1311	39.49	18	55.89	155	15.70	13.84	36		.11	2.6	1.4	LOI	3.2X	1	244	33
96	JUL	22	1410	46.14	18	55.47	155	16.76	12.52	38		.12	1.7	1.0	LOI	4.0D	1	242	32
96	JUL	22	1442	7.12	18	53.68	155	15.84	13.75	26	3	.10	1.5	1.4	LOI	3.0X	3	266	36
96	JUL	22	1449	0.45	18	55.71	155	16.62	19.58	26		.09	2.2	6.5	LOI	4.3D	1	242	32
96	JUL	22	1639	18.46	18	56.17	155	15.69	33.21	37		.14	1.9	3.0	LOI	3.0X	3	242	33
96	JUL	22	1646	10.38	18	56.86	155	16.04	14.52	38		.11	1.2	1.3	LOI	3.0X	1	239	31
96	JUL	22	1712	29.81	18	55.00	155	16.39	14.03	40		.10	1.9	1.3	LOIF	4.5D	1	244	33
96	JUL	22	1734	47.06	18	55.40	155	16.07	14.27	39		.12	1.6	1.9	LOI	4.3D	1	243	33
96	JUL	22	1739	39.98	18	51.00	155	15.37	10.37	42	4	.12	1.4	.9	LOI	4.0D	1	272	41
96	JUL	22	1812	24.56	18	54.71	155	15.94	12.34	38		.12	2.1	.9	LOI	3.8D	1	247	34
96	JUL	22	1855	56.46	18	54.43	155	16.33	13.92	40		.11	1.7	1.8	LOI	3.9D	1	248	34
96	JUL	22	1909	7.24	18	55.36	155	15.87	12.63	36	2	.13	1.5	.9	LOI	3.0X	2	243	34
96	JUL	22	1913	53.67	18	54.60	155	16.15	14.31	41		.11	2.0	3.5	LOI	4.1D	1	246	34
96	JUL	22	1939	20.56	18	51.25	155	15.18	14.83	36	1	.11	3.0	4.4	LOI	3.0X	2	262	40
96	JUL	22	2104	6.71	18	53.63	155	14.95	12.03	41	2	.11	1.5	1.0	LOI	3.0X	1	265	37
96	JUL	22	2250	8.65	18	55.50	155	16.63	14.67	40		.10	1.7	2.0	LOI	4.2D	1	242	32
96	JUL	22	2339	14.47	18	53.86	155	15.00	13.11	30		.08	4.4	1.5	LOI	3.0X	1	287	37
96	JUL	22	2341	37.74	18	54.12	155	15.89	13.84	41	3	.11	1.2	1.5	LOI	4.3D	1	247	35
96	JUL	22	2343	50.14	18	58.32	155	19.92	27.83	33	1	.14	1.6	2.0	LOI	3.0X	1	231	25
96	JUL	23	46	48.19	18	55.45	155	16.60	14.38	39		.10	2.0	1.4	LOI	4.2D	1	244	33
96	JUL	23	59	45.38	18	54.85	155	16.74	11.24	24		.11	3.8	.8	LOI	3.2X	1	278	33
96	JUL	23	115	32.11	18	53.07	155	15.25	10.07	40	2	.11	1.5	.7	LOI	4.1D	1	267	38
96	JUL	23	132	3.64	18	54.44	155	16.27	14.41	28	3	.08	1.6	2.9	LOI	4.1D	1	263	34
96	JUL	23	136	14.53	18	55.67	155	16.17	15.45	26		.07	2.5	13.8	LOI -	3.0X	1	243	33
96	JUL	23	257	32.18	18	48.89	155	14.25	9.42	37	1	.12	2.2	1.2	LOI	4.2D	1	294	45
96	JUL	23	259	52.47	18	55.24	155	16.35	14.93	38		.10	1.9	4.0	LOI	4.2D	1	244	33
96	JUL	23	320	21.22	18	55.24	155	15.07	12.64	23	2	.10	1.8	.9	LOI	3.1X	2	263	35

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	23	324	58.49	18	49.29	155	13.91	10.17	33	1	.10	2.2	.9	LOI	4.9D	1	293	45
96	JUL	23	330	41.78	18	53.93	155	15.52	13.82	31		.12	2.7	2.1	LOI	3.0X	2	250	36
96	JUL	23	1030	45.32	18	55.58	155	16.27	12.55	40		.12	2.0	.9	LOI	3.9D	1	243	33
96	JUL	23	1111	12.92	18	55.09	155	16.38	13.92	35		.11	2.8	1.2	LOI	3.4X	1	251	33
96	JUL	23	1207	1.72	18	49.20	155	14.19	11.60	24	5	.10	1.7	1.6	LOI	3.1X	2	298	44
96	JUL	23	1211	44.53	18	52.66	155	16.12	13.17	37	4	.11	1.5	1.2	LOI	3.3X	1	275	37
96	JUL	23	1245	54.20	18	54.33	155	16.54	16.26	37		.11	1.9	15.2	LOI -	4.0D	1	247	34
96	JUL	23	1347	31.86	18	53.14	155	15.82	20.44	43	4	.11	1.2	5.7	LOI	4.0D	1	266	37
96	JUL	23	1419	48.89	18	52.47	155	12.67	8.41	17	5	.13	1.4	1.3	LOI	4.0D	1	285	41
96	JUL	23	1431	17.37	18	56.38	155	16.69	14.37	31		.10	2.8	1.2	LOI	3.0X	2	247	31
96	JUL	23	1437	15.39	18	55.80	155	17.17	15.16	36		.10	2.2	3.7	LOI	3.3X	1	243	31
96	JUL	23	1518	43.48	18	56.47	155	16.52	17.23	36		.12	2.0	12.5	LOI -	3.5X	1	240	31
96	JUL	23	1639	4.46	18	54.74	155	16.57	14.51	35		.11	1.8	2.3	LOI	3.1X	1	247	34
96	JUL	23	1657	39.39	18	55.12	155	16.11	13.87	39		.11	1.9	1.4	LOI	3.9D	1	244	34
96	JUL	23	1759	4.92	18	58.32	155	16.76	14.05	25	2	.13	2.0	1.1	LOI	3.1X	1	272	28
96	JUL	23	1904	11.38	18	54.75	155	17.00	12.26	39		.11	2.5	.8	LOI	3.2X	2	262	33
96	JUL	23	1948	38.01	18	55.20	155	15.94	14.03	25	2	.09	1.2	1.5	LOI	4.1D	1	244	34
96	JUL	23	2009	49.62	18	53.78	155	15.40	11.58	18	3	.14	2.0	1.1	LOI	3.0X	1	282	36
96	JUL	23	2012	23.50	18	54.89	155	15.72	10.51	29	2	.11	1.7	.7	LOI	4.3D	1	246	34
96	JUL	23	2127	18.83	18	54.54	155	15.90	16.30	23		.11	3.4	15.6	LOI -	3.4X	2	263	35
96	JUL	23	2251	53.72	18	53.55	155	15.66	13.54	36	1	.09	1.9	1.5	LOI	4.1D	1	266	36
96	JUL	23	2304	33.08	18	58.27	155	15.59	12.13	20	1	.14	2.1	.9	LOI	3.1X	1	252	30
96	JUL	24	5	8.18	18	52.48	155	16.12	10.58	30	1	.13	2.2	.8	LOI	3.2X	1	287	38
96	JUL	24	54	5.61	18	53.06	155	16.04	10.72	39		.10	2.6	.9	LOI	4.6D	1	251	37
96	JUL	24	351	2.74	18	52.39	155	15.09	13.05	32	1	.09	2.4	2.0	LOI	4.2D	1	271	39
96	JUL	24	452	38.46	18	54.38	155	16.45	14.34	36		.09	1.9	3.2	LOI	3.3X	1	248	34
96	JUL	24	549	42.63	18	31.71	155	13.70	48.93	19	1	.11	8.8	5.7	DIS	3.2X	1	312	68
96	JUL	24	652	49.24	18	53.32	155	16.19	13.61	38	2	.11	1.5	1.2	LOI	4.1D	1	250	36
96	JUL	24	659	5.91	18	51.72	155	15.12	12.41	23	2	.08	1.9	1.2	LOI	3.0X	2	287	40
96	JUL	24	738	50.52	18	55.36	155	16.72	14.53	38		.10	1.5	1.6	LOI	4.9D	1	243	33
96	JUL	24	1127	7.32	18	59.00	155	17.61	11.42	20	4	.10	1.6	.8	LOI	3.3X	1	244	34
96	JUL	24	1312	13.86	18	54.33	155	15.94	13.97	33	1	.09	1.9	1.6	LOI	3.3X	1	248	35
96	JUL	24	1416	2.50	18	48.52	155	13.69	4.84	28		.12	5.6	2.8	LOI	3.0D	1	297	46
96	JUL	24	1546	55.48	18	54.09	155	16.71	11.49	26	2	.09	1.6	.8	LOI	3.1X	2	283	43
96	JUL	24	1645	22.44	18	56.08	155	17.46	15.38	27		.10	2.4	6.9	LOI	4.2D	1	242	31
96	JUL	24	1658	9.41	18	55.37	155	17.41	16.07	22		.08	2.0	14.3	LOI -	4.0D	1	243	32
96	JUL	24	1813	48.01	18	54.87	155	15.80	15.38	25	4	.10	4.2	7.7	LOI	4.0D	1	285	34
96	JUL	25	703	23.31	18	53.79	155	16.27	13.94	27		.09	3.7	1.7	LOI	3.0X	1	271	35
96	JUL	25	1416	18.04	18	55.16	155	16.68	14.63	34		.10	2.4	2.0	LOI	3.3X	1	245	33
96	JUL	26	219	38.84	18	53.74	155	16.24	13.71	36		.10	2.8	1.7	LOI	3.8D	1	266	36
96	JUL	26	324	49.29	18	55.90	155	16.88	16.08	26		.08	1.9	14.0	LOI -	4.4D	1	241	32
96	JUL	26	544	2.27	18	55.15	155	16.83	15.07	39		.11	2.0	4.8	LOI	3.9D	1	244	33
96	JUL	26	625	45.17	18	54.97	155	16.30	14.79	38		.11	2.0	3.8	LOI	3.6X	1	245	34
96	JUL	26	1202	32.38	18	54.59	155	16.19	14.08	39	1	.10	1.8	1.8	LOI	4.1D	1	247	34
96	JUL	26	1359	47.80	18	56.55	155	16.55	14.91	27	3	.09	1.2	2.0	LOI	3.3X	1	240	31

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	26	1559	45.84	18	45.04	155	13.71	9.75	24	1	.07	5.7	2.6	LOI	3.0X	1	291	52
96	JUL	26	1733	23.87	18	54.17	155	16.15	13.81	35		.11	2.2	1.5	LOI	3.8D	1	248	35
96	JUL	26	1805	41.32	18	52.20	155	17.16	9.45	27	6	.13	1.3	.8	LOI	4.3D	1	287	43
96	JUL	26	1827	38.30	18	56.14	155	16.72	16.24	25		.09	2.0	14.3	LOI -	4.0D	1	241	31
96	JUL	26	1853	46.18	18	55.78	155	16.29	14.37	26		.13	2.5	1.3	LOI	3.5D	1	243	32
96	JUL	26	1950	29.77	18	52.49	155	15.83	9.92	31	8	.11	1.0	.7	LOI	3.4X	2	268	38
96	JUL	26	2205	39.17	18	54.47	155	16.46	14.25	36		.10	1.6	2.4	LOI	4.3D	1	247	34
96	JUL	26	2324	24.35	18	49.93	155	15.52	15.00	28		.17	4.2	18.9	LOI -	3.1X	1	274	42
96	JUL	27	9	27.29	18	55.43	155	16.29	14.47	38		.11	1.7	2.3	LOI	4.1D	1	243	33
96	JUL	27	15	2.16	18	54.61	155	15.96	12.96	23	2	.09	1.8	1.0	LOI	3.0X	3	251	35
96	JUL	27	25	47.40	18	54.84	155	16.28	14.67	36		.10	1.9	3.5	LOI	4.4D	1	245	34
96	JUL	27	159	6.21	18	54.64	155	16.15	14.01	38		.11	1.7	1.8	LOI	3.2X	1	246	34
96	JUL	27	203	25.80	18	51.83	155	16.15	15.69	24	7	.10	4.1	10.0	LOI -	3.4X	1	291	39
96	JUL	27	217	45.90	18	56.46	155	17.31	14.72	38		.13	1.6	1.2	LOI	4.0D	1	239	30
96	JUL	27	1029	48.24	18	57.69	155	16.51	14.72	25	1	.10	1.4	1.3	LOI	3.3X	1	236	30
96	JUL	27	1033	3.31	18	54.09	155	16.35	9.87	21	4	.11	1.5	.6	LOI	3.0X	3	265	35
96	JUL	27	1202	13.82	18	55.15	155	16.61	14.42	38		.10	1.6	2.2	LOI	4.6D	1	244	33
96	JUL	27	1210	6.79	18	54.77	155	16.13	14.50	35		.11	2.3	4.6	LOI	4.4D	1	246	34
96	JUL	27	1218	26.90	18	53.65	155	16.07	13.47	39	2	.12	1.7	1.4	LOI	4.1D	1	250	36
96	JUL	27	1359	12.07	18	55.16	155	16.07	13.77	36		.11	1.8	1.2	LOI	3.8D	1	244	34
96	JUL	27	1510	38.71	18	55.83	155	16.30	14.93	41	1	.09	1.5	2.6	LOI	3.3X	1	242	32
96	JUL	27	1513	1.90	18	45.83	155	12.55	20.80	27	4	.12	1.7	9.8	LOI	3.3X	2	282	51
96	JUL	27	1525	51.33	18	53.38	155	15.26	11.54	31		.11	2.8	.6	LOI	3.3X	2	252	37
96	JUL	27	1544	28.02	18	54.61	155	16.42	13.77	28		.10	2.8	1.3	LOI	4.2D	1	247	34
96	JUL	27	1546	22.56	18	52.90	155	15.55	13.64	30	1	.11	1.7	1.3	LOI	4.4D	1	268	37
96	JUL	27	1615	10.00	18	48.85	155	13.78	10.16	36	4	.11	1.4	1.2	LOI	3.3X	1	294	45
96	JUL	27	1702	55.35	18	42.59	155	12.60	7.27	34	6	.11	1.1	1.4	LOI	4.7D	1	296	56
96	JUL	27	1821	32.59	18	57.50	155	18.35	16.73	19		.10	1.7	13.8	LOI -	3.0X	2	235	28
96	JUL	27	1839	4.62	18	57.04	155	16.30	14.34	22	1	.08	1.4	1.1	LOI	3.3X	1	237	31
96	JUL	27	1851	49.18	18	54.74	155	16.06	14.17	38		.11	1.8	2.6	LOI	4.3D	1	246	34
96	JUL	27	1931	33.14	18	53.88	155	15.67	9.76	28		.20	2.8	1.0	LOI	3.1X	1	250	36
96	JUL	27	1937	6.70	18	54.70	155	16.49	10.79	38		.09	2.3	.8	LOI	3.8D	1	262	34
96	JUL	27	2003	56.11	18	52.57	155	15.30	12.03	21		.07	2.9	1.2	LOI	3.5D	1	271	38
96	JUL	27	2142	2.40	18	54.49	155	16.08	13.91	38		.11	1.8	1.5	LOI	4.4D	1	247	35
96	JUL	27	2144	13.77	18	54.75	155	16.01	14.69	32	1	.10	2.3	5.3	LOI	4.4D	1	246	34
96	JUL	27	2254	27.65	18	51.37	155	15.18	9.68	26	2	.10	1.6	1.0	LOI	3.1X	2	271	40
96	JUL	27	2316	58.55	18	56.00	155	16.60	16.01	22		.09	2.0	14.5	LOI -	3.3X	1	241	32
96	JUL	27	2330	21.32	18	53.19	155	15.46	7.09	51	15	.14	.8	.7	LOIF	4.9D	1	251	37
96	JUL	27	2338	42.15	18	54.69	155	16.13	14.37	38	1	.10	1.5	2.7	LOI	3.2X	1	247	34
96	JUL	28	52	11.64	18	55.22	155	16.87	15.55	34		.11	2.3	14.7	LOI -	3.0X	2	245	33
96	JUL	28	251	24.48	18	52.52	155	16.21	13.19	35	1	.12	2.1	1.6	LOI	3.1X	2	253	37
96	JUL	28	502	17.59	18	53.40	155	16.05	13.52	34		.10	2.4	1.4	LOI	3.5D	1	251	36
96	JUL	28	519	57.43	18	52.79	155	15.39	12.67	38	2	.10	1.7	1.4	LOI	3.2X	2	268	38
96	JUL	28	538	57.43	18	54.96	155	17.02	12.71	36		.10	1.9	.9	LOI	3.0X	3	246	33
96	JUL	28	731	35.53	18	50.41	155	14.93	10.69	29		.10	3.6	1.1	LOI	3.1D	1	277	42

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	28	807	19.49	18	53.82	155	16.27	10.83	36		.12	2.4	.8	LOI	3.1X	2	250	35
96	JUL	28	812	12.23	18	46.51	155	13.34	9.75	39	7	.11	1.3	1.5	LOI	4.4D	1	298	49
96	JUL	28	826	6.62	18	53.81	155	16.28	14.23	35	2	.10	1.7	3.0	LOI	3.0X	2	266	35
96	JUL	28	915	49.45	18	54.28	155	16.13	13.85	27	4	.08	1.1	1.3	LOI	3.2X	4	252	35
96	JUL	28	917	31.72	18	46.91	155	14.56	7.33	36	2	.13	1.7	.8	LOI	3.1X	3	280	48
96	JUL	28	1009	10.46	18	54.57	155	15.75	13.84	35		.12	1.9	1.4	LOI	3.1X	1	247	35
96	JUL	28	1106	49.53	18	55.04	155	14.94	7.98	29	1	.14	3.8	1.3	LOI	3.1X	3	253	35
96	JUL	28	1112	46.94	18	53.85	155	14.38	10.17	34	2	.12	1.3	.6	LOI	3.3X	1	250	37
96	JUL	28	1204	42.57	18	53.48	155	15.34	11.53	32		.14	2.8	.8	LOI	4.1D	1	258	37
96	JUL	28	1209	27.45	18	52.49	155	15.90	13.37	23	4	.09	1.2	1.5	LOI	4.4D	1	269	38
96	JUL	28	1244	47.09	18	56.63	155	15.72	11.23	22	5	.12	1.0	.6	LOI	4.1D	1	241	32
96	JUL	28	1253	33.48	18	54.79	155	16.86	14.97	35		.10	2.1	4.3	LOI	3.2X	1	246	33
96	JUL	28	1334	3.71	18	54.42	155	15.85	13.79	39		.10	2.1	1.5	LOI	3.9D	1	248	35
96	JUL	28	1339	51.11	18	51.64	155	14.67	13.19	21	8	.09	1.3	1.5	LOI	3.0X	2	274	40
96	JUL	28	1435	13.45	18	50.65	155	15.71	12.90	37	6	.11	1.2	1.8	LOI	3.1X	1	272	41
96	JUL	28	1515	24.66	19	21.31	155	20.51	32.58	39	2	.11	.6	1.1	DEP	3.0D	1	55	5
96	JUL	28	1613	23.56	18	56.28	155	16.79	14.72	22		.09	2.3	1.8	LOI	3.0X	2	241	31
96	JUL	28	1709	24.17	18	55.87	155	17.43	15.15	16	1	.10	2.0	3.6	LOI	3.2X	2	243	31
96	JUL	28	1718	21.98	18	43.68	155	12.28	8.04	31	4	.11	1.0	1.6	LOI	3.3X	2	295	55
96	JUL	28	1719	59.63	18	54.11	155	15.83	14.14	35		.09	1.9	2.9	LOI	4.4D	1	249	35
96	JUL	28	1734	10.16	18	56.53	155	17.24	14.40	33		.10	1.8	1.1	LOI	4.0D	1	240	30
96	JUL	28	1736	42.68	18	44.90	155	12.31	30.03	28	5	.13	2.1	4.6	LOI	3.0X	3	292	53
96	JUL	28	1800	43.87	18	37.40	155	11.82	29.08	20	5	.10	2.2	7.3	DIS	3.1X	2	304	63
96	JUL	28	1849	40.93	18	53.62	155	15.90	13.33	35		.10	2.5	1.5	LOI	4.0D	1	251	36
96	JUL	28	2008	4.89	18	55.62	155	15.78	14.06	28		.10	1.6	1.5	LOI	3.3X	1	245	33
96	JUL	28	2032	21.99	18	49.31	155	14.96	13.92	26	3	.10	4.7	7.0	LOI	3.1X	2	279	44
96	JUL	28	2055	56.24	18	55.03	155	16.77	14.59	37	1	.09	1.4	2.0	LOI	3.1X	2	246	33
96	JUL	28	2121	32.88	18	53.65	155	15.91	13.71	26		.08	2.4	1.2	LOI	3.7D	1	266	36
96	JUL	28	2124	4.80	18	58.48	155	17.36	10.14	29		.15	1.5	.8	LOI	3.8D	1	234	27
96	JUL	28	2220	53.82	18	54.96	155	14.96	11.94	31		.11	1.7	.7	LOI	3.9D	1	247	35
96	JUL	28	2231	4.51	18	54.29	155	16.00	15.39	38		.09	2.2	14.4	LOI -	4.4D	1	248	35
96	JUL	28	2303	30.12	18	55.21	155	14.94	9.56	26		.14	1.7	.7	LOI	3.9D	1	246	35
96	JUL	29	100	33.26	18	55.62	155	16.67	16.59	12		.09	2.3	14.5	LOI -	4.6D	1	244	32
96	JUL	29	113	7.56	18	54.55	155	15.93	12.01	22	5	.12	1.6	.9	LOI	3.1X	3	263	35
96	JUL	29	222	38.14	18	55.50	155	15.18	12.21	25		.10	4.1	.9	LOI	3.7D	1	271	34
96	JUL	29	346	47.07	18	54.61	155	15.86	13.51	37		.10	2.2	1.2	LOI	4.3D	1	247	35
96	JUL	29	428	35.55	18	52.24	155	15.34	11.75	35	1	.11	1.9	1.1	LOI	4.1D	1	270	39
96	JUL	29	631	1.43	18	54.07	155	15.82	13.85	30	5	.11	.9	1.2	LOI	3.1X	2	252	35
96	JUL	29	817	1.44	18	50.73	155	15.38	10.37	21	4	.09	1.9	1.1	LOI	3.3X	2	306	41
96	JUL	29	825	8.36	18	53.26	155	16.15	13.52	33	4	.11	1.2	.9	LOI	3.2X	2	283	36
96	JUL	29	826	7.90	18	55.87	155	15.68	7.57	32		.13	2.3	.9	LOI	4.1D	1	260	33
96	JUL	29	832	22.68	18	52.74	155	15.97	10.34	22	4	.08	1.3	.6	LOI	3.0X	3	286	42
96	JUL	29	1012	31.78	18	51.85	155	15.06	12.12	21	4	.08	1.5	1.1	LOI	3.1X	2	287	40
96	JUL	29	1131	6.01	18	49.46	155	14.45	11.38	25	3	.09	1.3	.9	LOI	3.2X	2	280	44
96	JUL	29	1315	4.33	18	54.05	155	15.93	12.59	46	10	.10	.9	.7	LOI	3.4X	3	266	35

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	JUL	29	1559	17.51	18	55.35	155	15.37	10.91	22	5	.13	1.3	.8	LOI	3.1X	2	245	34
96	JUL	29	1614	38.29	18	51.79	155	15.88	9.90	23	4	.10	1.5	.9	LOI	3.3X	1	274	39
96	JUL	29	1745	22.59	18	52.59	155	15.49	13.25	25	4	.08	1.3	1.7	LOI	3.3X	3	254	38
96	JUL	29	2038	7.40	18	52.95	155	15.51	13.31	36	3	.09	1.2	1.1	LOI	4.4D	1	271	37
96	JUL	29	2105	24.62	18	54.77	155	15.34	13.37	24	2	.10	1.8	1.1	LOI	3.1X	2	248	35
96	JUL	30	46	36.40	18	54.29	155	15.95	15.43	29	3	.10	2.3	5.1	LOI	3.0X	1	252	35
96	JUL	30	329	54.32	18	53.69	155	15.82	13.74	36		.10	2.5	1.8	LOI	3.4X	1	250	36
96	JUL	30	355	45.05	18	53.19	155	16.28	11.57	41	6	.11	1.3	.8	LOI	4.7D	1	267	36
96	JUL	30	1159	32.28	18	45.99	155	13.25	10.55	30	2	.09	1.9	4.0	LOI	3.3X	2	289	50
96	JUL	30	1406	28.00	18	54.16	155	15.82	13.57	42	6	.09	.8	1.0	LOI	3.2X	2	249	35
96	JUL	30	1938	55.59	18	53.98	155	16.51	13.66	29	6	.10	.9	.8	LOI	3.1X	3	249	35
96	JUL	30	1944	31.02	18	53.23	155	15.23	12.28	28	8	.12	.9	.7	LOI	3.2X	4	252	37
96	JUL	31	556	33.36	18	51.85	155	14.80	12.14	24	5	.10	1.5	1.0	LOI	3.1X	3	273	40
96	JUL	31	650	2.26	18	55.76	155	15.67	13.64	26	5	.09	1.0	.9	LOI	3.1X	3	244	33
96	JUL	31	656	17.11	18	53.32	155	16.14	10.30	24	4	.08	1.2	.8	LOI	3.4X	1	267	41
96	JUL	31	1459	31.14	18	55.47	155	16.64	13.58	37	5	.12	1.4	1.0	LOI	3.0X	4	259	33
96	JUL	31	2128	42.96	18	53.96	155	15.84	14.38	24	4	.06	1.8	3.2	LOI	3.2X	2	266	36
96	AUG	1	214	27.17	18	53.95	155	16.20	13.93	29	7	.09	.9	1.2	LOI	3.3X	3	249	35
96	AUG	1	215	48.84	18	53.94	155	16.39	10.78	24	6	.10	1.3	.7	LOI	4.3D	1	265	40
96	AUG	1	1623	32.63	18	51.48	155	16.21	10.16	41	5	.12	1.4	.9	LOI	3.2X	3	271	39
96	AUG	1	1801	38.82	18	53.85	155	16.32	11.32	27	5	.09	1.3	.7	LOI	3.0X	4	265	35
96	AUG	2	1001	40.23	18	51.73	155	15.73	10.05	28	6	.11	1.3	.8	LOI	4.4D	1	271	39
96	AUG	2	1009	11.38	18	52.32	155	15.46	12.53	22	4	.08	1.0	1.4	LOI	3.1X	3	286	38
96	AUG	2	2304	20.72	18	53.35	155	15.65	13.96	33	8	.10	1.0	1.7	LOI	3.1X	4	251	37
96	AUG	2	2309	7.31	18	53.36	155	15.26	12.49	25	6	.08	1.0	.8	LOI	3.1X	2	255	37
96	AUG	4	24	15.79	18	53.12	155	15.76	13.45	31	6	.11	.9	.7	LOI	3.1X	4	253	37
96	AUG	4	226	14.14	18	52.57	155	15.72	12.42	27	4	.10	.9	.8	LOI	3.0X	5	257	38
96	AUG	4	1427	11.10	18	54.43	155	15.67	13.61	27	5	.09	1.1	.8	LOI	3.2X	3	249	35
96	AUG	5	704	49.98	18	52.48	155	15.03	10.01	23	4	.10	1.4	.6	LOI	3.0X	5	289	39
96	AUG	5	1029	50.32	18	49.94	155	13.35	37.82	43	9	.14	1.2	2.1	LOI	4.8D	1	280	44
96	AUG	5	1954	20.93	18	55.41	155	16.80	14.92	22		.06	1.8	1.8	LOI	3.1X	2	245	32
96	AUG	6	1602	9.84	18	54.95	155	16.11	16.55	36		.10	2.0	14.9	LOI -	4.4D	1	246	34
96	AUG	7	537	54.14	20	52.01	155	26.38	16.30	46	8	.13	3.0	15.8	DIS -	3.6X	5	318	109
96	AUG	8	23	35.78	18	51.71	155	15.48	12.29	25	6	.07	1.0	.8	LOI	3.1X	4	287	39
96	AUG	8	2224	54.83	19	22.20	155	3.96	4.00	47	12	.14	.5	31.6	SSFF-	3.9D	1	161	10
96	AUG	8	2236	26.45	19	20.67	155	3.77	8.84	38	5	.12	.7	.4	SF5F	3.0X	5	178	8
96	AUG	9	1921	43.79	18	54.59	155	16.55	14.47	37		.10	1.7	2.6	LOI	3.1X	2	248	34
96	AUG	9	1956	29.12	18	52.92	155	16.00	12.19	41	3	.11	1.5	1.2	LOI	4.7D	1	252	37
96	AUG	12	751	10.69	18	46.07	155	14.04	7.08	44	8	.12	1.2	.7	LOI	4.4D	1	282	50
96	AUG	15	217	10.29	18	50.09	155	14.65	11.38	42	6	.10	.9	.9	LOI	3.0X	2	274	43
96	AUG	19	1546	53.66	18	52.65	155	15.80	13.38	33	4	.09	1.2	1.3	LOI	3.2X	2	269	38
96	AUG	22	1143	52.21	18	51.91	155	15.06	11.94	33	4	.11	1.0	1.0	LOI	3.0X	2	270	39
96	AUG	22	2127	31.40	18	54.56	155	16.40	21.73	38		.09	2.0	4.4	LOI	3.0X	3	248	34
96	AUG	28	746	10.02	18	54.99	155	16.92	14.59	30		.10	2.3	1.7	LOI	3.0X	3	261	33
96	SEP	6	139	33.88	18	53.17	155	15.52	11.92	41	7	.14	.8	.7	LOI	3.2X	2	252	37

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
96	SEP	6	819	27.63	18	52.91	155	16.06	13.21	35	3	.10	1.5	1.3	LOI	3.2X	2	267	37
96	SEP	10	802	9.87	19	3.29	155	25.34	56.47	33		.13	2.1	3.7	DLST	3.2X	1	204	12
96	SEP	11	334	33.44	19	44.75	154	49.80	45.97	5218		.11	.8	1.3	HILF	3.5X	6	256	27
96	SEP	11	818	55.38	19	12.89	155	16.07	32.75	4911		.10	.7	.9	DEPF	3.3X	2	180	9
96	SEP	13	2248	20.78	18	51.22	155	15.45	9.88	40	7	.11	1.1	.8	LOI	3.4X	3	271	40
96	SEP	17	632	41.39	22	4.22	156	33.35	34.32	5118		.11	3.5	2.7	DIS	3.9X	7	342	274
96	SEP	21	414	31.37	18	53.41	155	16.38	16.19	32		.09	2.7	14.6	LOI -	3.0X	3	251	36
96	OCT	16	2212	20.43	19	16.77	155	28.73	10.77	4612		.12	.3	.6	LSWF	3.0X	6	55	9
96	OCT	21	1713	45.75	19	22.43	155	19.64	30.04	5116		.12	.5	.6	DML	3.2X	8	71	6
96	OCT	29	1034	34.98	20	7.91	156	35.73	29.68	5216		.11	1.4	2.7	DISF	3.2X	8	319	93
96	NOV	17	729	10.90	19	28.99	156	12.85	37.18	4914		.12	.9	1.3	KONF	3.8X	5	294	31
96	NOV	23	1639	24.34	19	19.90	155	12.34	10.50	4910		.11	.4	.3	SF2F	4.3D	1	111	5