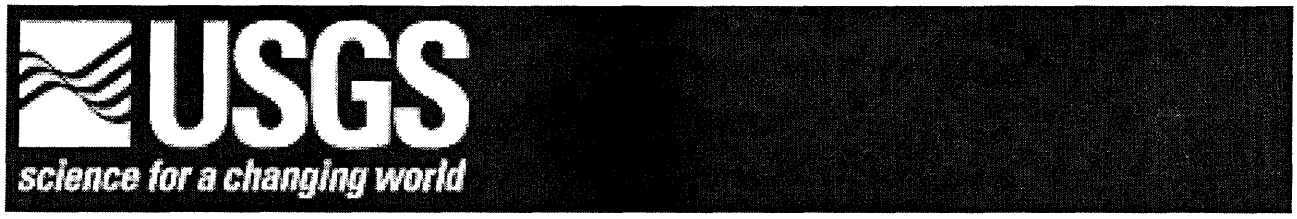

Hawaiian Volcano Observatory Summary 97; Part I, Seismic Data, January to December 1997

by Jennifer S. Nakata

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

Open-File Report 00-408

2000

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

Hawaiian Volcano Observatory
Hawai'i Volcanoes National Park, Hawai'i 96718

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* Left during 1997

INTRODUCTION

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

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

A report tabulating instrumentation, calibration, and recording history of each seismic station in the network by Klein and Koyanagi is available as a USGS Open-File Report [1]. It is designed as a reference for users of seismograms and phase data and includes and augments the information in the station table 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 1997

by

Christina Heliker, Dave Sherrod, and Carl Thornber

1997 saw the end of the four-year-long episode 53 (February 20, 1993 - January 29, 1997). This was a relatively stable chapter of the Pu'u 'O'o - Kupaianaha eruption, which is now in its 16th year. From 1993 through 1996, vents on the west and southwest flank of Pu'u 'O'o cone fed lava to the ocean almost continuously. This period of steady-state effusion ended on the night of January 29, 1997, when an intrusion beneath Napau Crater diverted magma away the eruption site, depressurizing the conduit at Pu'u 'O'o and causing the lava pond in the crater to drain. Over the next few hours, first the crater floor, and then the west wall of the crater, collapsed. Shortly thereafter, a fissure eruption (episode 54) began in, and downrift of, Napau Crater (fig. C-1). This episode lasted only 22 hours and was followed by a 23-day hiatus in the eruption, the longest since 1986.

On February 24, 1997, lava returned to the bottom of the 210 m-deep Pu'u 'O'o crater. The eruption started up slowly, and it was March 23 before flank vents produced the first flows of episode 55. During the next three months, the eruption shifted among four main "vents" on the west and south flanks of the Pu'u 'O'o cone: the episode 55 spatter cone, episode 55 uplift, May 12th vent, and the south shield. Some of these apparent vents, particularly the episode 55 uplift and the south shield, may have been fed by a shallow connection from the episode 55 spatter cone area, which was the site of the old episode 51 vent that was active until the end of episode 53.

In the first three months of episode 55, flows extended less than 4 km from Pu'u 'O'o, both because activity at any one vent was erratic and because the eruption was interrupted by ten pauses, ranging in duration from 3 to 15 hrs. As a result of the numerous short flows, the episode 50-55 shield, which abuts the west flank of the Pu'u 'O'o cone, gained 35 m in height.

In late April, the active lava pond that had occupied Pu'u 'O'o crater almost continuously since 1990 was replaced by a single vent on the west side of the crater floor. Flows from the"ìcrater vent" intermittently formed a rootless lava pond. In mid-June, the pond rose until it overtopped the gap in the west wall of Pu'u 'O'o formed by the January 1997 collapse. Lava spilled from the crater for the first time in 11 years. In early August, lava also overtopped the east crater rim, sending flows 1.5 km downrift. The largest crater overflow took place in October; in all, the crater overflowed 19 times by the end of the year. These spillovers lasted less than 4 hrs, ending when the lava drained through conduits in the crater floor.

By July, the main "vent" outside the cone was the south shield, which formed in June, 300 m south of Pu`u `O`o. Sustained effusion from this source fed flows that finally reached the ocean on July 12, east of the Kamokuna site near the east boundary of Hawaii Volcanoes National Park (fig. C-1). Lava entered the ocean here until July 29, when the flows from the south shield temporarily stopped. Flows reentered the ocean at East Kamokuna on August 5 and at Waha`ula on August 11, after overrunning the remains of Waha'ula heiau. These two entries remained active through the end of the year.

From August through December, the lava flux averaged about 600,000 m^3/day (determined by J. Kauahikaua's geoelectrical measurements using Very Low Frequency profiles over lava tubes). This is considerably higher than the flux in episode 53, which averaged 300,000-400,000 m^3/day. Episode 55 rates have also shown much more fluctuation, ranging from 250,000-1,000,000 m^3/day.

From April through December 1997, the MgO content of episode 55 whole-rock samples increased from ~7.7 to 9.0 wt % (fig. C-2a). This lava is less fractionated than the rift-stored lava of episode 54 (~5.5-6.5 wt % MgO) and has approached and exceeded the more primitive olivine-saturated compositions erupted late in episode 53 (~8.4-8.8 wt % MgO).

Figure C-2a summarizes seismic, petrologic, and gasflux changes throughout 1997.
Figure C-2b shows the seismicity vs. time for Mauna Loa, which was not erupting in 1997.

Table C-1. Eruption Statistics

Areas

Total area covered by lava, 3/83 - 12/97: 99.5 sq km (38.4 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 (10.3 sq mi)
Episode 54 flows	0.24 sq km (0.09 sq mi)
Episode 55 flows	2.6 sq km (1.0 sq mi) = new territory covered
	17.4 sq km = total area covered by episode 55

Total New land created, Dec 86 - Dec 97: approx 230 hectares (570 acres)#
Kamoamoa delta (11/92-12/97): approx 100 hectares (250 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 thru 12/97 Approximately: 1622 x 106 m3 (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 - 1/97)	535 x 106 m3
Episode 54 (1/97)	0.3 x 10^6 m^3
Episode 55 (2/97 - ongoing)	162 x 10^6 m^3

Other fascinating facts

Height of Pu'u 'O'o cone, Jan 31, 97: ~198 m (650 ft) Cone has lost 57 m due to collapse since 1986.
Dimensions of Pu'u 'O'o crater, Jan 98: ~250 m x 350 m
Depth of Pu'u 'O'o crater floor, Jan 98: ~30 m

Dimensions of Episode 50-55 lava shield: 1800 m x 700 m
Height of Episode 50-55 lava shield: ~80 m

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

Thickness of lava at the coast:
~15-25 m (50-80 ft) over Kalapana Gardens
~25 m (80 ft) over Chain of Craters Road at Kamoamoa
Highway covered by lava flows from this eruption: 13 km (8 mi)

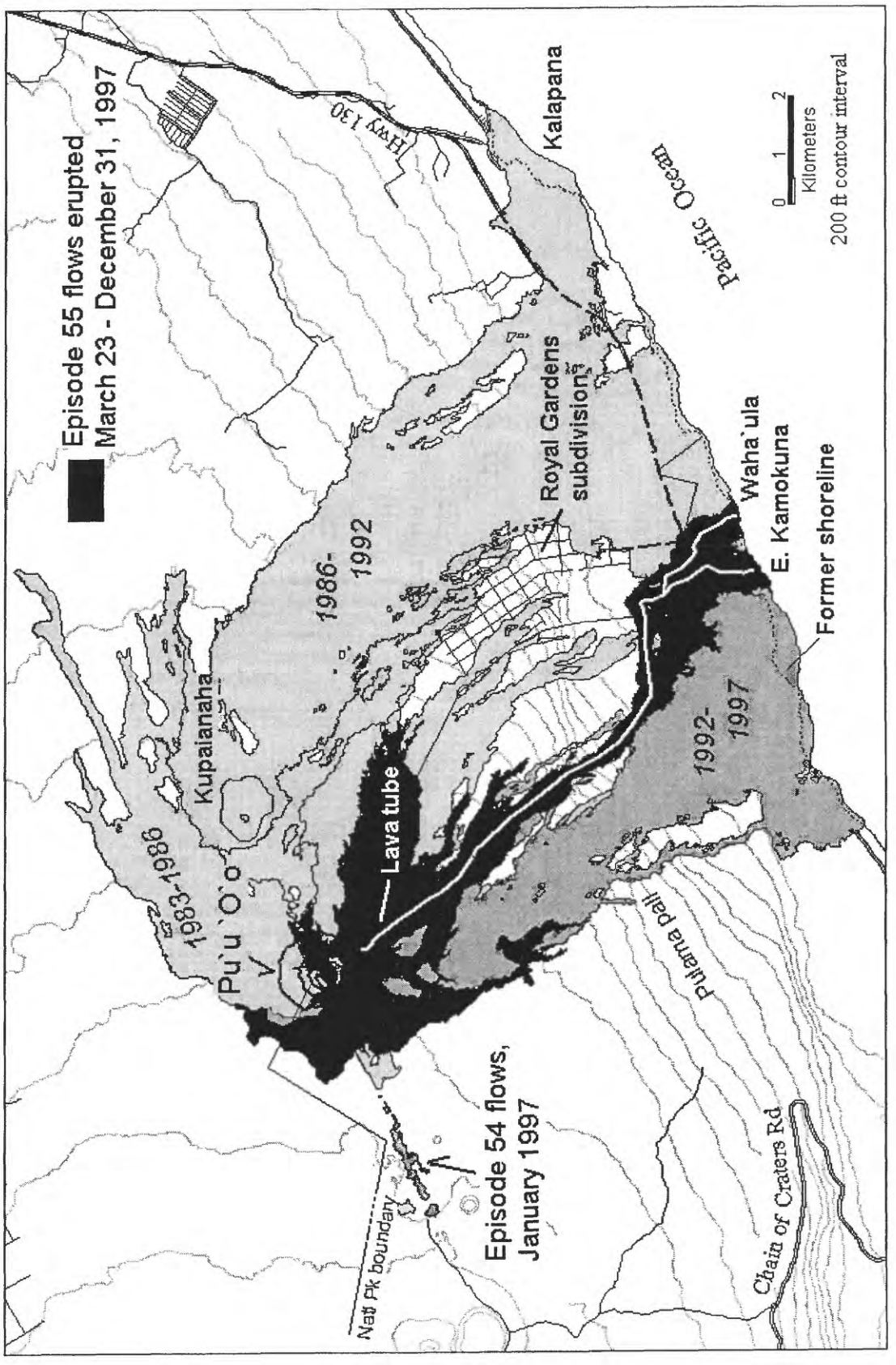


Figure C-1. Lava flows produced from 1983 through 1997.

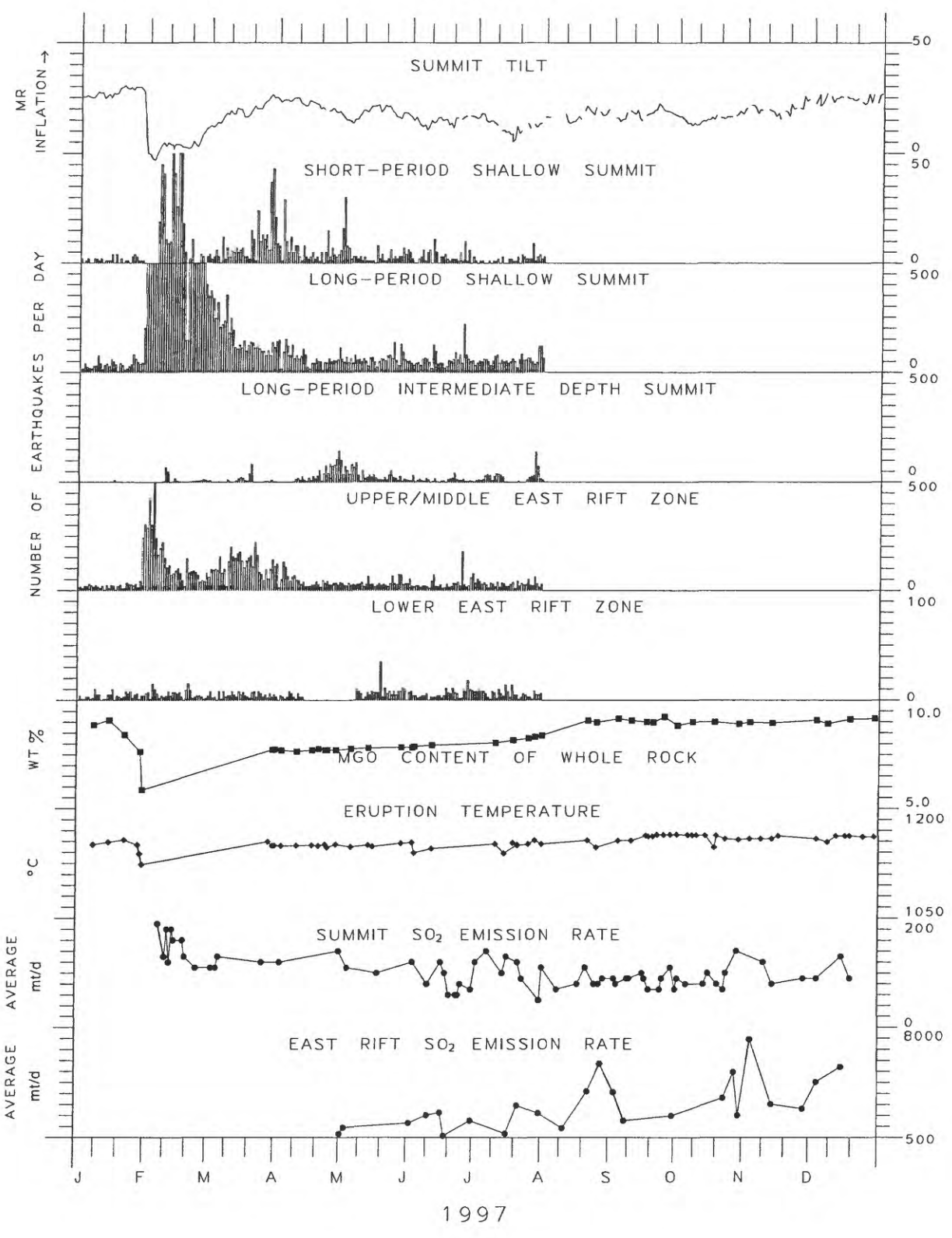


Figure C-2a. Selected seismic, geodetic, petrologic and geochemical data for Kilauea, 1997.

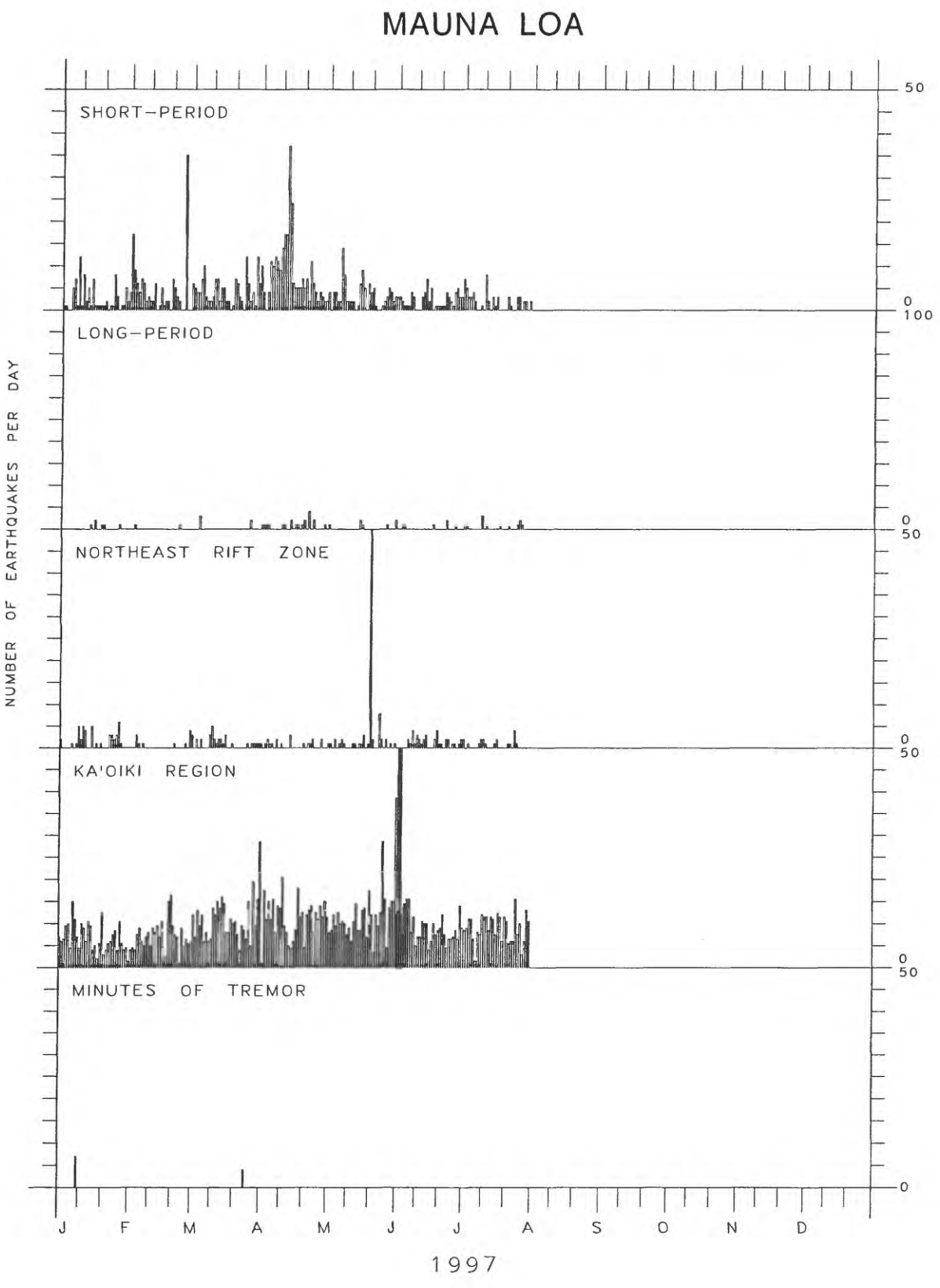


Figure C-2b. Selected seismic data for Mauna Loa, 1997.

SEISMIC INSTRUMENTATION

The network. The Hawaiian Volcano Observatory maintains an extensive telemetered seismic network on the Island of Hawai'i. The standard HVO field sensors, 1-Hz geophone, are deployed as single-component, vertical-only units or as three-component combinations of 1-vertical and 2 orthogonally-placed horizontal units. The 1997 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 1997. 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 1997. 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.

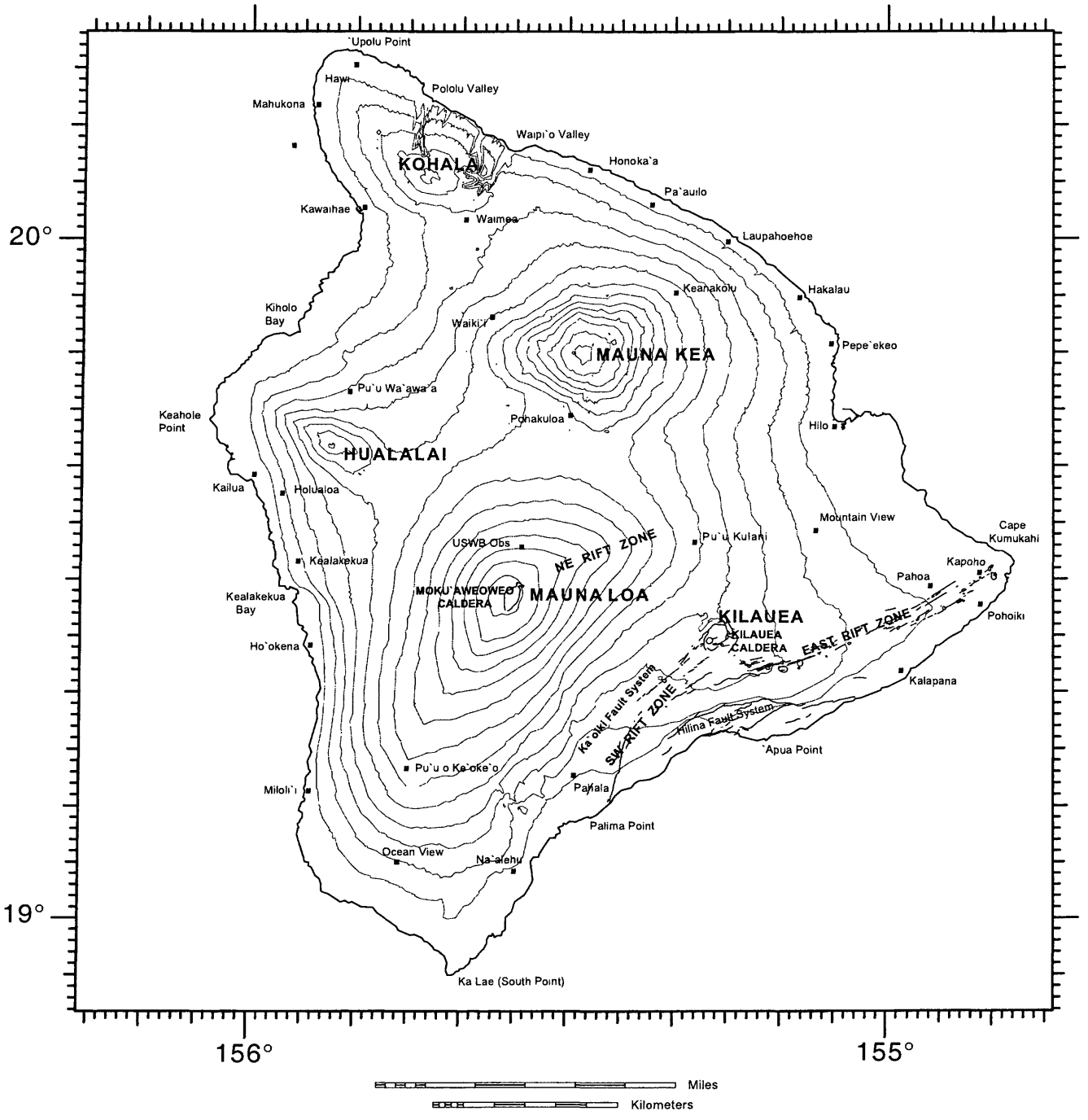


Figure 1. Map of the Island of Hawai'i, showing principal settlements and selected geographic and geologic features.

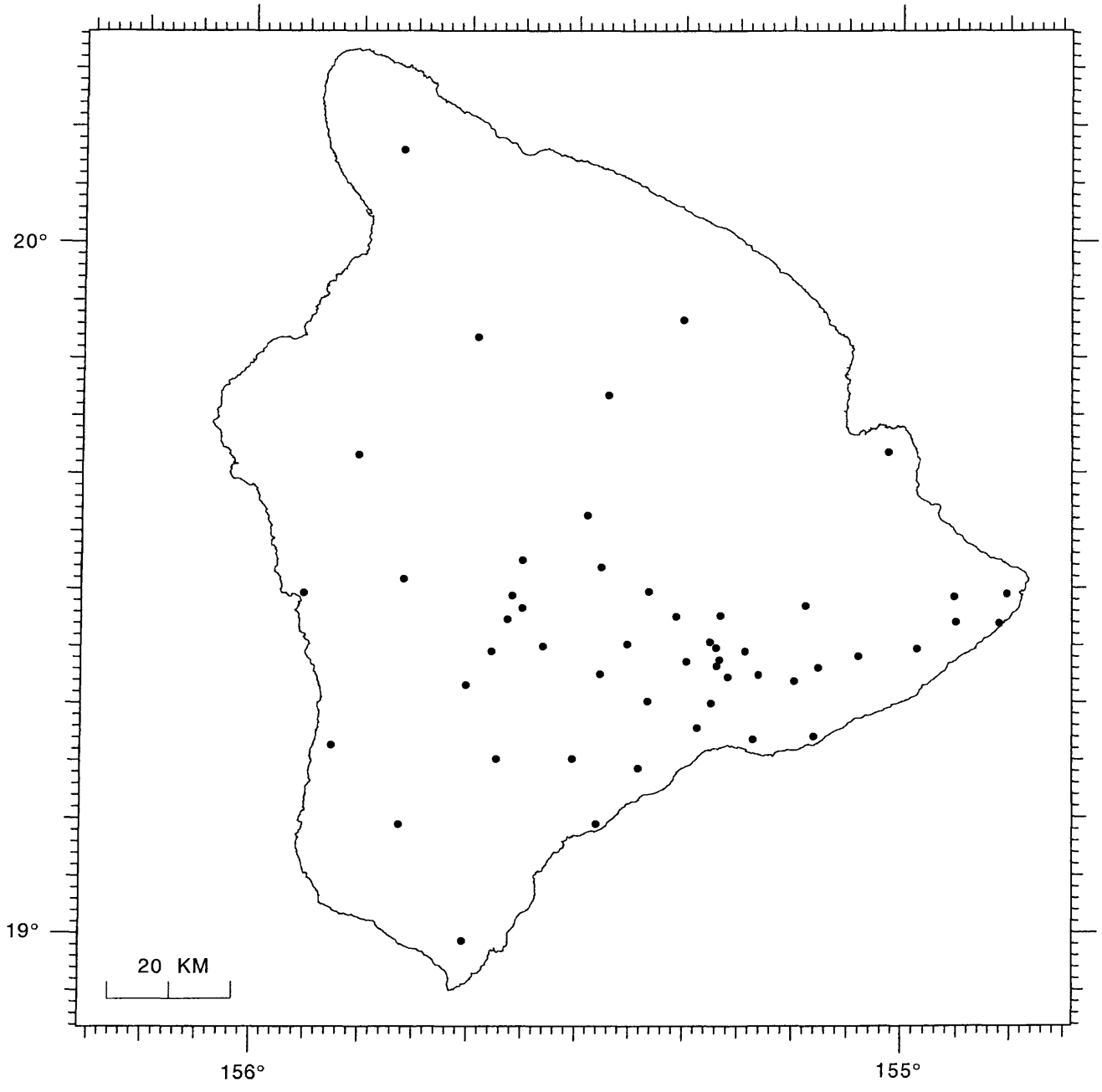


Figure 2. Seismic stations operational during 1997 on the Island of Hawai'i.

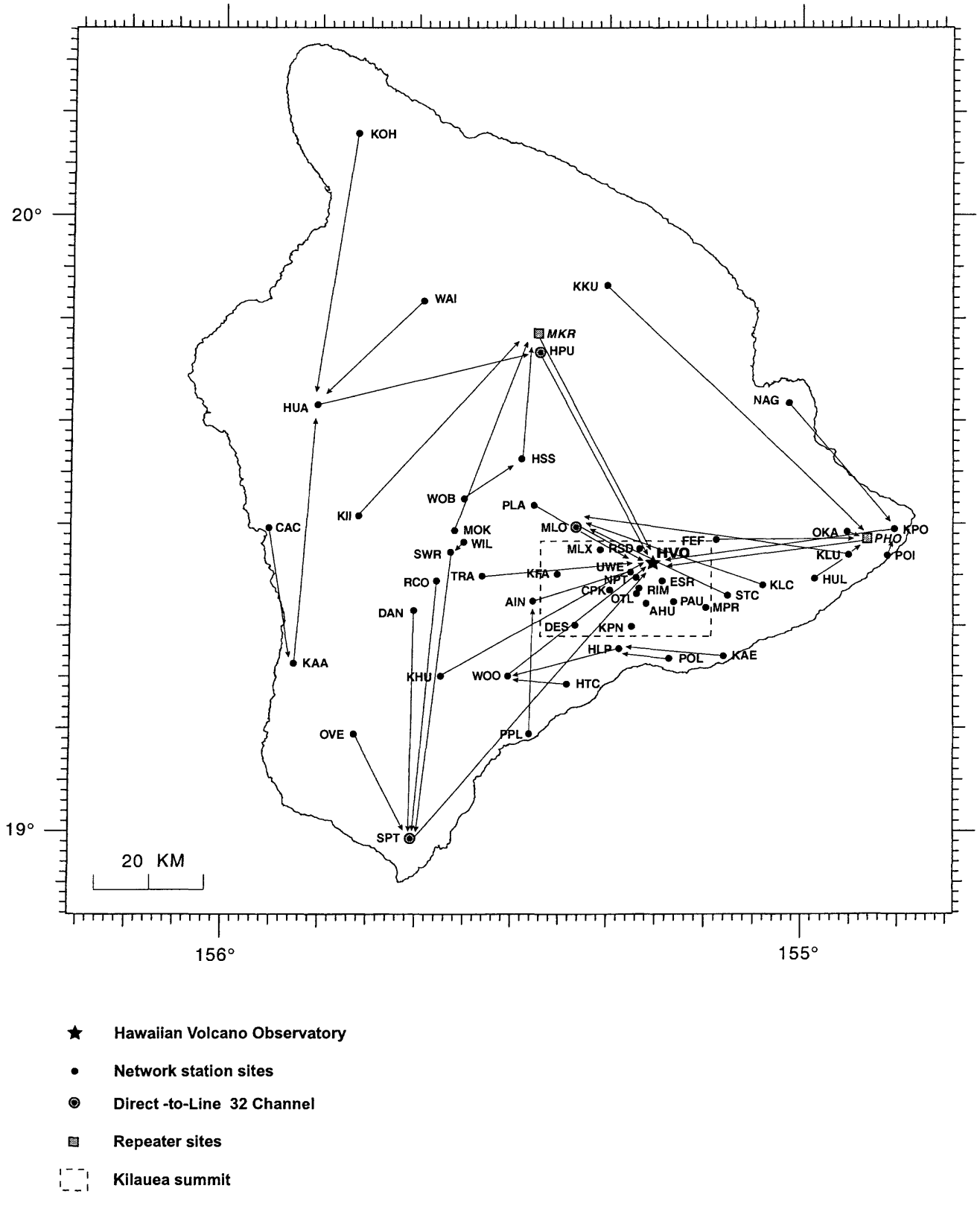
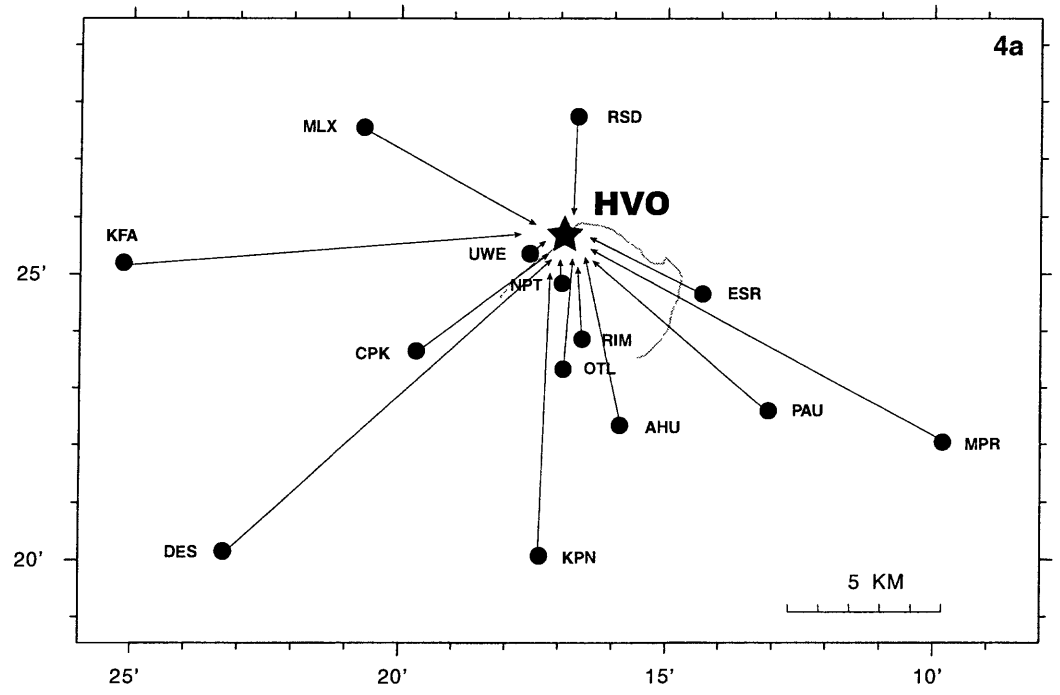
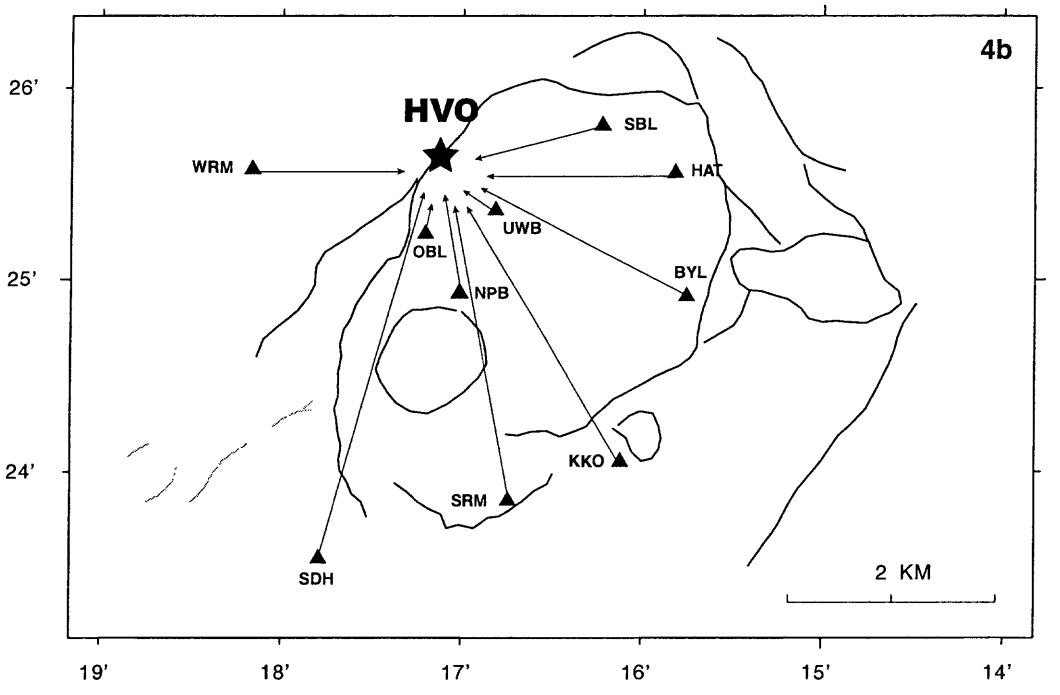


Figure 3. Telemetry scheme for the 1997 Hawaiian Volcano Observatory seismic network.





★ Hawaiian Volcano Observatory

● Network sites

▲ Broadband sites

Figure 4a. Expanded telemetry scheme for the 1997 Hawaiian Volcano Observatory seismic network at Kilauea summit, region outlined in Figure 3.

Figure 4b. Expanded telemetry scheme for the 1997 Menlo Park broadband network at Kilauea summit.

Table 1. Seismic stations in Hawai'i operated by the USGS in 1997.

STATION NAME	CODE	-LAT- D	M	-LON- D	M	ELEV (M)	DELAY 1	DELAY 2	CAL	SEIS TYPE	OPTIC RECORD
AHUA	AHUV	19	22.40	155	15.90	1070	-0.10	-0.13	2.6	L5	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	
CAPTAIN COOK	CACV	19	29.29	155	55.09	323	0.00	-0.16	1.1	L5	D
CONE PEAK	CPKV	19	23.70	155	19.70	1038	-0.26	-0.07	6.0	L5	
DANDELION	DANV	19	21.42	155	40.04	3003	-0.27	0.03	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	
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	D
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.

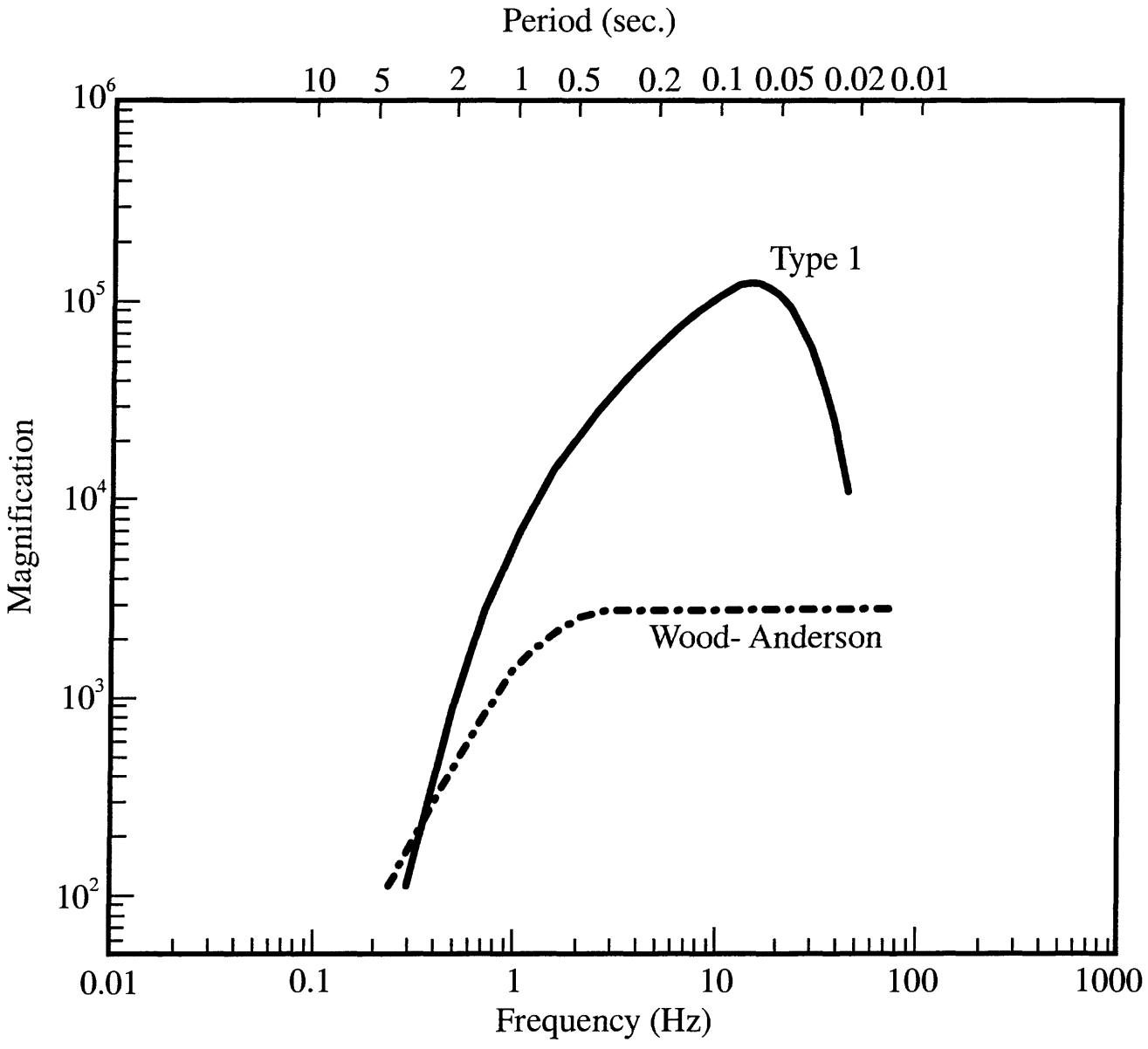


Figure 5. System-response curves for the Wood-Anderson torsion seismograph and for seismometers used by the Hawaiian Volcano Observatory. Type 1 is the standard OEVE seismometer system recorded on Develocorder film and DAT tape. The curve for Type 1 includes response of the geophone, all electronics 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. Due to age and high cost of maintanance, Develocorder 'A' was discontinued on August 1, 1997. Daily counts of classified micoearthquakes from source regions around Kilauea and Mauna Loa, and duration of tremor were also discontinued. Coda duration is measured in seconds from drum (ink or helicorder) records to determine a coda magnitude that is entered as an external magnitude in the final solution.

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 graphics terminal, 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]. The length of duration in seconds, from drum-recorded signals, is measured with the same criteria as for the develocorder viewer. Drum-recorded duration magnitude is calculated with a relationship equivalent to the develocorder viewer output.

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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 1997	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
JAN 1	2	9	5			14	12		1		2	1440			
2		13	3			12	15	4	1			1440			
3	1	36	3			13	9	1				1440			
4	2	18	6			19	19	1				1440			
5		16	2			20	18	3	5			1440			
6		17				9	27	3	7		1	1440			
7	2	29				30	21	1	1			1440		12	
8	2	22	8		1	22	15	2	12		1	1440			
9	1	35	41			14	22	10	1		5	1440			7
10	2	28	12			9	16	5	8		2	1440			
11*		13				20	10	5	2		5	1440			
12	1	25	7	1		18	19		5		4	1440		8	
13	1	37	1	1		12	2	1	1			1440		47	
14	1	27			1	21	22	1	7	1		1440		6	
15	4	18	41		1	19	10	5	1		5	1440			
16		28	20	1		8	23	5	1	2		1440			
17	4	32	3	9		10	20	10	1		1	1440			
18*		3		1		4	2		1			1440			
19	2	40			1	11	18	4	1	1	1	1440		30	
20		25	6	1		25	24	3	2	1		1440		38	
21*	1	11		1		6	7	2				1440		31	
22*	1	17				8	10	3	1			1440			
23		25	2	2		11	34	9	1		3	1440			
24	3	35	1	1	1	12	28	6	8		3	1440			
25	4	81		3		15	26	9	3		2	1440			
26	3	60				17	21	2			3	4			
27	1	46		1		8	28	5	1	1	6	1440		7	
28	1	31	7		1	21	13	6	1		1	1440			
29	1	43		1		11	41	1	5			1440			
30		200			1	8	241	4	2			1440			
31		2095				9	304	4	4			1440			
FEB 1		3990				3	289	6	17			1440			
2		5407				8	426	7	9			1440			
3		3898				9	303	1	6	1		1440			
4		3268				8	676	15	4		3	1440		14	
5	19	2838		1		15	240	10	7		1	1440		6	
6	45	2654	4	1	2	18	162	6	6			1440			
7	41	2379	9	1		12	193	2	2		1	960		7	
8	11	1610		4		10	221	4	3						
9	9	1792		68		14	148	3	2						
10	10	2637		49		16	104	4	2						
11	65	3071	4			10	113	9	6				38		
12	41	3596		3		18	71	4					4	10	
13	26	3857		18		16	77	7	1						
14	57	3783		6		19	90	7	5						
15	82	2959	1	2	2	14	100	6	1						
16	18	2480				21	77	7	2			47			
17	5	496	3	1		9	45	3	2						
18*		145				5	18								
19	2	722	3			30	145	9	7						
20	11	956	2	2		33	79	15	5						
21		699		4		19	86	9	3		1				
22		758		4	1	15	89	2	2						
23		755		6		14	81	3		1					
24	4	565		5		2	69	4							

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)			
DATE 1997	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	3	713		8		18	38	4	35						
26		533		13		10	44	3			1				
27	3	401		10		13	41	1							
28	4	347		6		11	77	2	6		4				
MAR 1	2	370	1	8		12	60	4	5		3			22	
2	3	336			2	24	95	9	4						
3	6	245		1		14	92	2	4		2				
4	3	317			1	26	97	3	7	3					
5		205		2		19	92		10		2				
6	12	216				24	153	9	3						
7	2	233		2		12	79	1	2						
8	7	351				16	97	8	2						
9	3	179		11		12	18	3	3		3				
10	6	245		2		13	131	4	7		5				
11	5	191				27	199	4	7		2				
12	7	113		2	1	24	154	9	2		1			19	
13	5	104	3	7		30	148	5	5		2				
14	6	122	1	16		27	167	3	5		2				
15	7	112		22		32	176	8	2		1				
16	3	141	1	18	1	29	134	5	2		3				
17	3	97		8		16	104	7							
18	2	121		6		16	134	4	1						
19	15	137		38		22	149	3	7		1			18	
20	11	133		82		20	159	2	6				15	4	
21	1	111				21	107	7	3						
22	24	123				15	220	8	2						
23	10	107				8	160	3							
24	13	94	1	1		19	82	8	12						
25	11	96		2		17	73	6	6					6	4
26	13	77		4		13	45	3	2		1				
27	6	98		5		30	95	5	4	2					
28*	37	77		2		10	52	2	1		1	1440			
29	43	135		10	1	39	98	6	12		1	1440			
30	21	114		2		19	140	3	6		1	1440			
31	9	139		3		31	109	5	10		1	1440			
APR 1	8	146		1		57	120	3	4	1	1	1440		2	
2*	1	16				2	12			1		1440			
3	29	92			1	35	49	4	4	1	1	1440			
4	10	149			1	22	131	3	11	1	2	1440		8	
5	5	119				30	105	1	10		1	1440			
6	12	78				22	64	3	12		1	1440			
7	5	124				31	43	8	11			1440			
8	8	63		3		16	61	6	9		2	1440			
9	8	75	2	14		28	68	3	14			1440			
10	3	61	1	18		27	46	1	17	1	1	1440			
11	1	69	5	10		41	45	6	17	1		1440		3	
12	8	105		26		19	28	3	37			1440			
13	3	77	3	10		16	38	3	24			1440		6	
14	2	25	1	5		10	17		6	2	3				
15*	3	16		20		9	17		5			1440			
16*	5	41		9		12	19		5	1		1440		24	
17*	2	43		27		17	25		5	1		1440			
18	3	63		17		36	26		7			1440			
19	1	48	3	29		23	39		5	1		1440		9	
20	5	46	2	54		25	27		7	2	1	1440			

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1997	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
APR21*		9		6		9	15		2			1440			
22	5	43	2	39		24	45		11	4	1	1440			
23	15	45		76		26	33		6		1	1440		85	
24	3	62		42		28	41		4	2	2	1440			
25	7	49		84		16	27		2			1440		118	
26	4	54		74		25	25		4			1440		57	
27	3	53		79		22	32		3			1440			
28	4	58		105		28	34		2		2	1440			
29	6	112		144		23	26		2	1		1440			
30	16	62		102		30	36		4			1440			
MAY 1	30	48		38	1	23	32			1	1	1440			
2	8	69		74		16	24		4		1	1440			
3	7	46		55		17	21		4			1440			
4	2	63		38		24	32		2		2	1440		28	
5	3	42		81		19	23		2			1440		40	
6	3	77		69		25	27		14		1	1440			
7	2	55		89		20	24		8		2	1440		4	
8	3	60		33		21	28	10	2		1	1140		33	
9	1	49		5		20	29	8	2			1380			
10	3	62		54		15	36	6	2			1170		17	
11	1	51		18		18	18	1	2			900		13	
12*	1	30		23	1	12	28	3			1	720			
13	1	66		33		21	63	7	1		1	1020			
14	1	67		24	1	29	27	5	6			1440			
15		47		34		17	28	8	9	2	1	1440			
16	8	24		20	1	17	17	7	5	1	1	1440			
17	2	49		13	1	26	23	7			3	1440		30	
18	4	62		13		27	31	7	6			1440	5	28	
19	1	59		11		14	24	35	4		1	1440			
20	1	54		22		35	28	3	5		53	1440			
21	2	75		12		24	23	11	1		2	1440		42	
22	6	78		33		7	18	6				1350			
23	2	62	1	53		24	30	9				626			
24	3	135		22		19	65	5	1		8	1440			
25	2	54		19		25	32	9	2		2	1440			
26	3	32		8		57	27	5	3			1026		15	
27	3	127		27		31	72	9	5	1	2	1440		11	
28	7	93		6	2	9	70	8	4			1440			
29	4	58		14	1	27	27	11	2		1	1440		25	
30	6	50		11		30	30	10	3			1440			
31	5	50	1	8		30	30		3	2	1	1440		17	
JUN 1	2	41		7		77	51	7	3			1440			
2		33		31		175	20	9	2			1440			
3		41		3		112	18	4	1	1		1440		10	
4	2	44		9		15	22	4	1	1		1440			
5	3	34		14		29	22	2	1			1440			
6	6	61		8		31	16	3	4		2	930			
7	1	65		5	1	31	21	4	3		1				
8	5	61		18		16	20	4			4	1315			
9	6	46		12		23	17	6			1	1440			
10		18		1		10	11				3				
11	11	124		5		14	42	3	3		2	1440			
12	5	95	1	16		14	72	3	4		1	1440		18	
13		38		3		21	19	3	7		2	1440			
14	3	43		1		20	18	4	2		3	1440		8	

	KILAUEA SUMMIT					KILAUEA FLANK			MAUNA LOA			TREMOR (MINUTES)		
DATE 1997	SHORT PER. CALD.	LONG PERIOD CALDERA A	B	C	30 KM	KAO. & SW RIFT	UP. EAST RIFT	LOW. EAST RIFT	SHORT PER.	LONG PER.	NE RIFT	KILAUEA SHAL.	INT.	DEEP	MAUNA LOA
JUN15	3	41		7		20	25	4	5			1440			
16*	4	20	1	7		8	10	2				1440			
17	2	28		1		12	13	4	1	1		1440			
18	1	54		13		20	29	11	1		2	1440			
19	2	51		16		15	16	7	1		4	1440			
20	2	59		20		17	19	6	1		1	1440			
21	2	88	2	42		18	32	11	1		1	1440			
22	1	58		14		24	31	7	4			1440			
23	5	81		10		15	38	6	3	2	2	1440			
24*	1	43		11		9	22	2	2		2	1440			
25	10	218		14		13	178	2	1			1440			10
26	1	80		4		13	27	10	4		1	1440			
27	6	62		5		14	17	8	5	1	1	1440			
28		50		7		17	22	18	3			1440			
29	3	53		5		13	59	10	3		1	1440			37
30	1	34		3		28	77	9	7		2	1440			78
JUL 1		44		9	1	18	35	8	5	1	2	1440			
2	1	52		12		17	52	8	3	1		1440			9
3	1	49		9	1	18	41	10	3		1	1440			3
4		60		13		22	29	9	4			1440			
5		58	1	31		22	36	8	2			1440			
6	1	49		36		13	26	6				1440			
7		32		31		3	12	3				1440	11		4
8	1	53		8		16	33	1	1		1	1440			
9	1	74		27	1	15	29	8		3	2	1440			
10	2	80		39		24	17	7	8		2	1440			
11		43		38		23	38	2	2	1	1	1440			
12	3	40	17	33		23	17	10				1440			30
13		40	9	25		17	34	6	3			1440			
14		37	16	2		23	31	4	1			1440			
15	2	43		2		22	19	14	3		1	1440			
16	2	50		1		15	20	8			2	1440			
17	1	59	3	2		25	28	3		1		1440			
18	1	51		2		23	37	14				1440			
19*	3	23				12	10	5				1440			
20		60		6	1	23	43	5	3			1440			
21	4	85		1		21	22	1	1	1	1	1440			
22	3	57		2		11	33	3			1	1440			
23	2	56		1		12	27	6				1440			
24	2	54	11	12		12	27	5	3		4	1440			
25	2	55	10	22		31	51	3	3	1	1	1440			
26	9	49	1	27		15	24	3		2		1440			
27	1	37	1	32		20	22	1	2	1		1440			
28	3	47		138		6	61	9	2			1440			
29	4	117	1	73		12	30	5				1440			
30	2	119		16		26	14	5	2			1440			
31	3	64		11		21	28	6				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

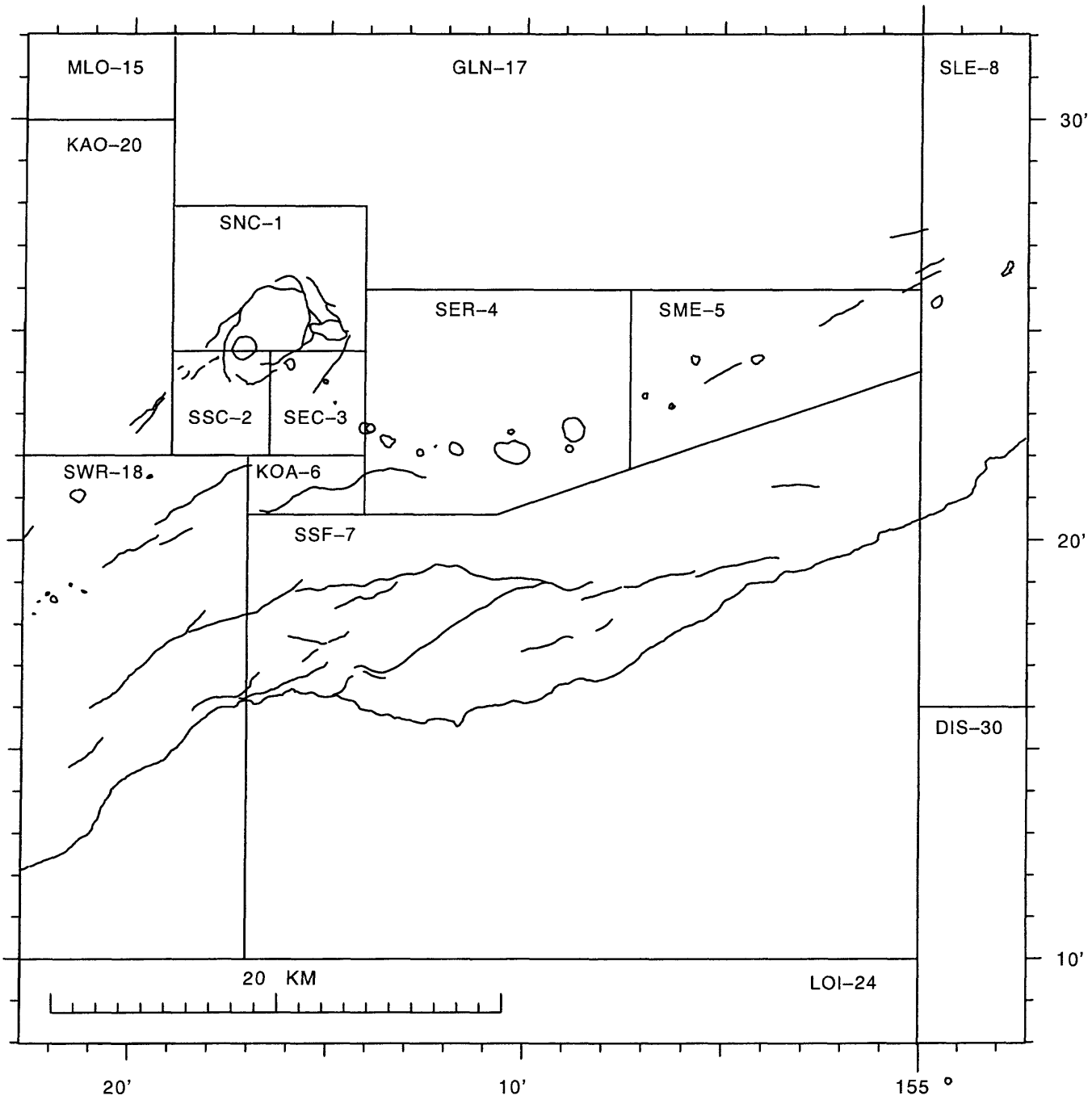


Figure 6. Earthquake classification, shallow (0-5 km deep), for Kilauea and the east flank of Mauna Loa.

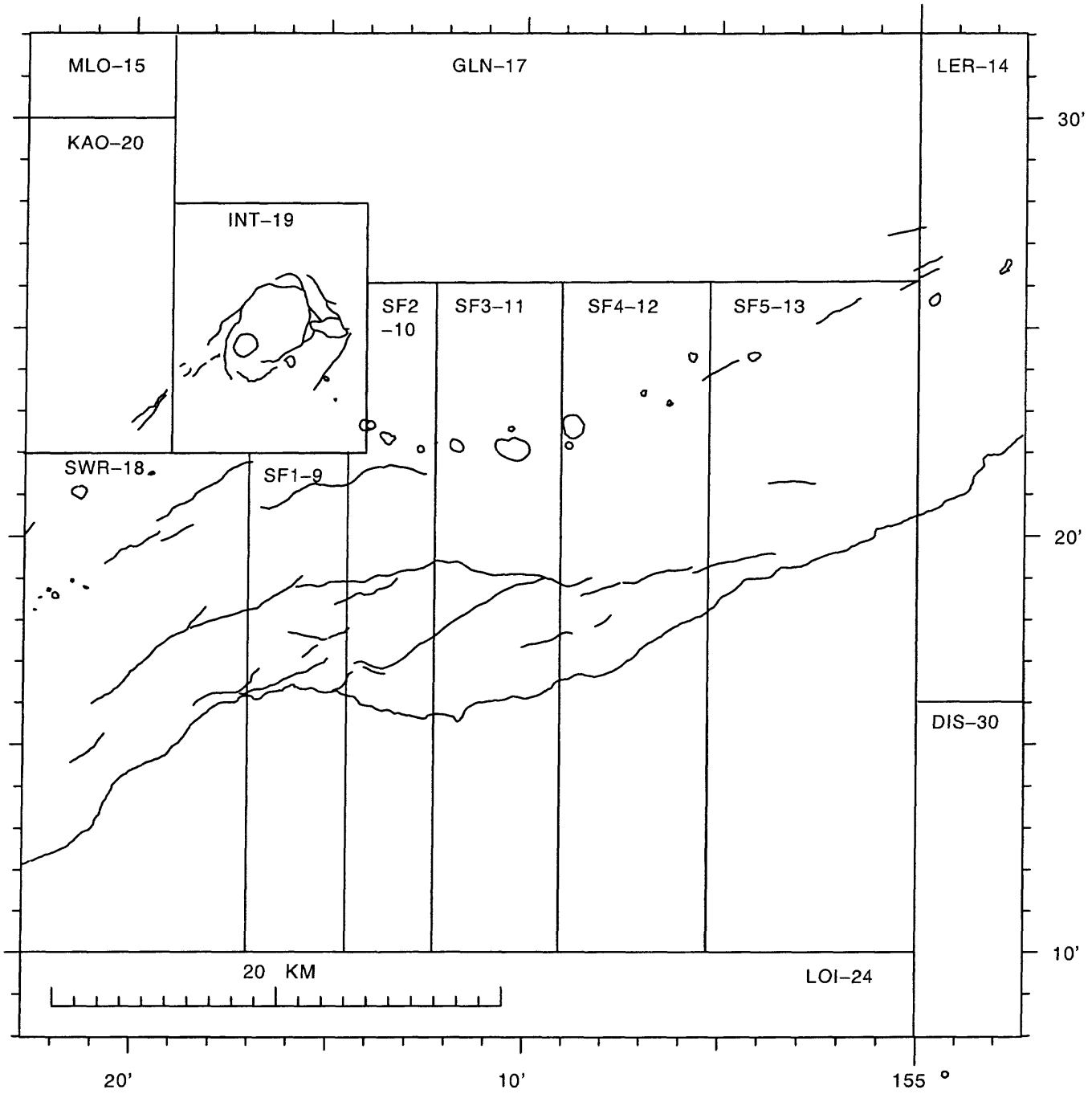


Figure 7. Earthquake classification, intermediate (5.1-13 km deep), for Kilauea and the east flank of Mauna Loa.

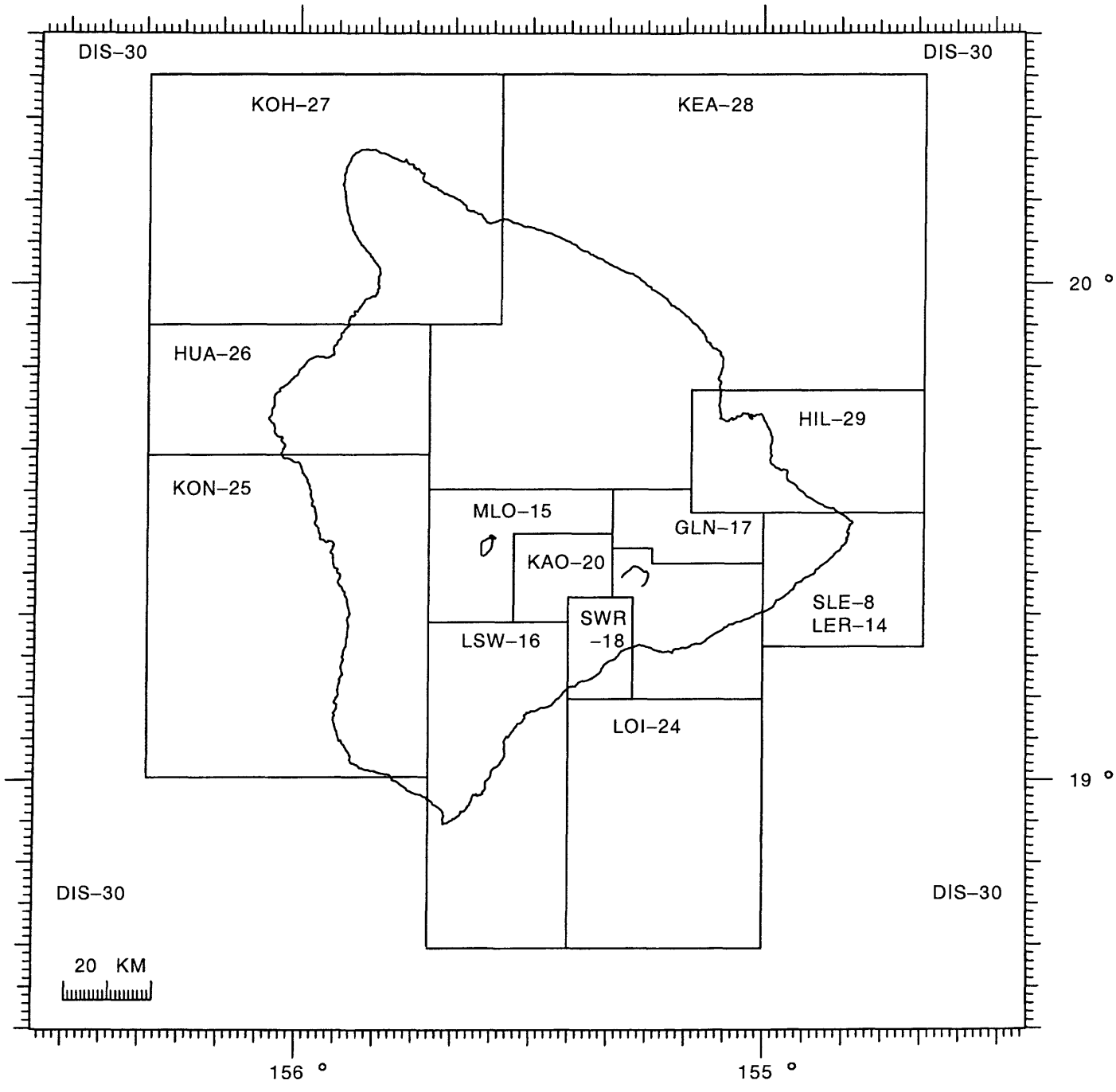


Figure 8. Earthquake classification, crustal (0-13 km deep), for the Island of Hawai'i.

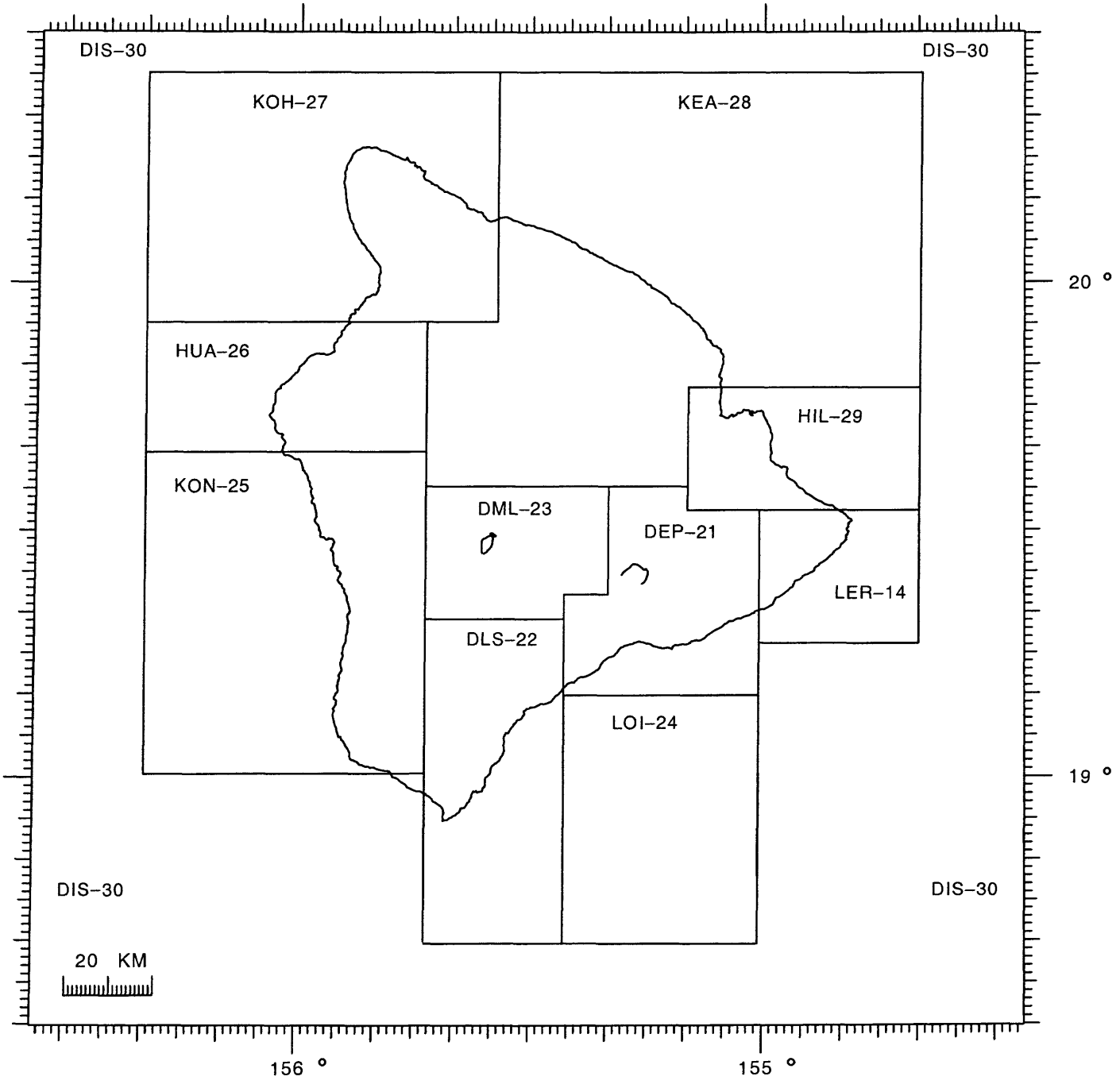


Figure 9. Earthquake classification, deep (greater than 13 km deep), for the Island of Hawai'i.

Figure 10. 1997 earthquake locations, Hawaiian Islands, 0–60 km depth, M>=3.5.

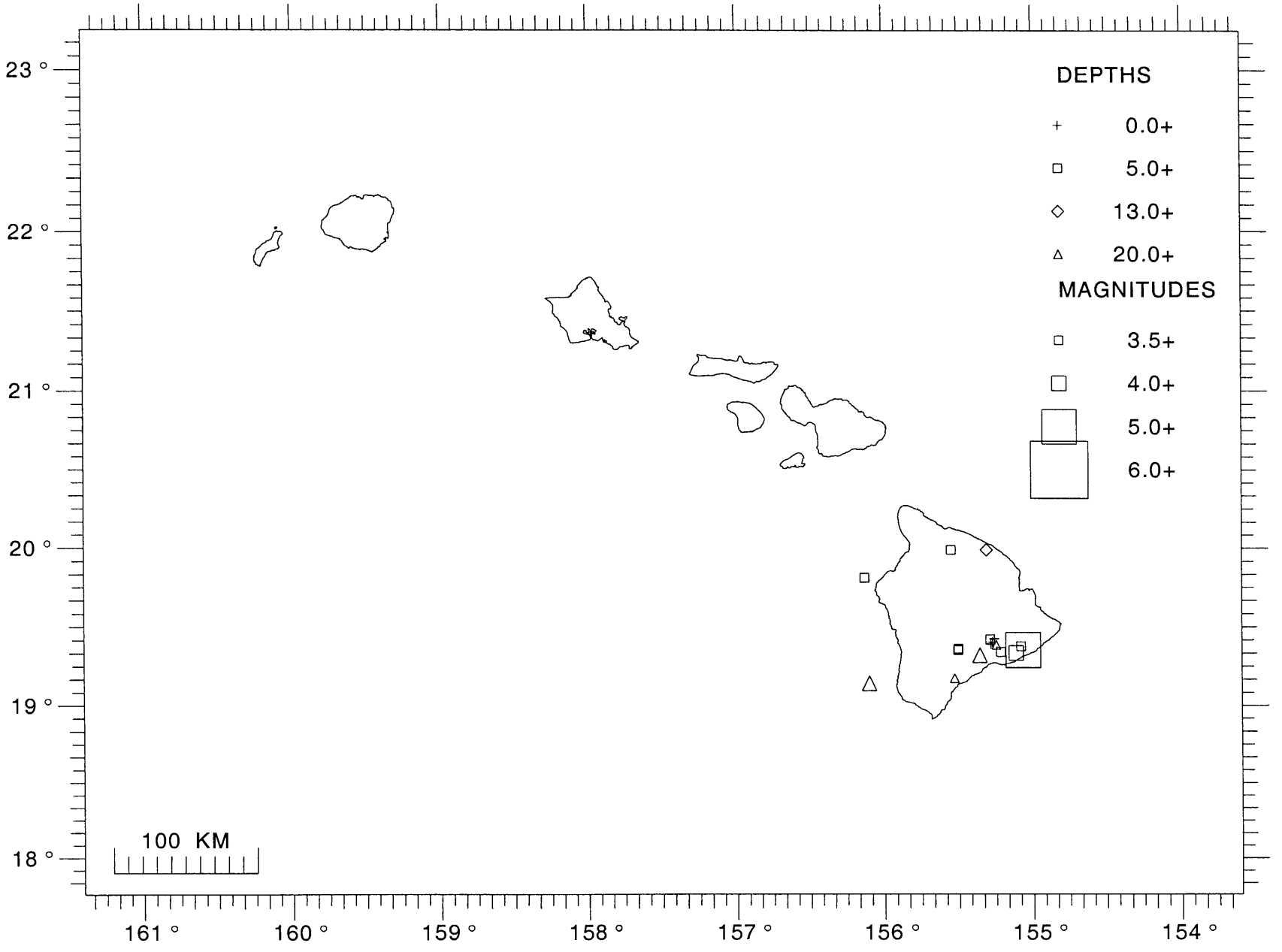


Figure 11. 1997 earthquake locations, Hawai'i Island,
0–60 km depth, M>=3.0.

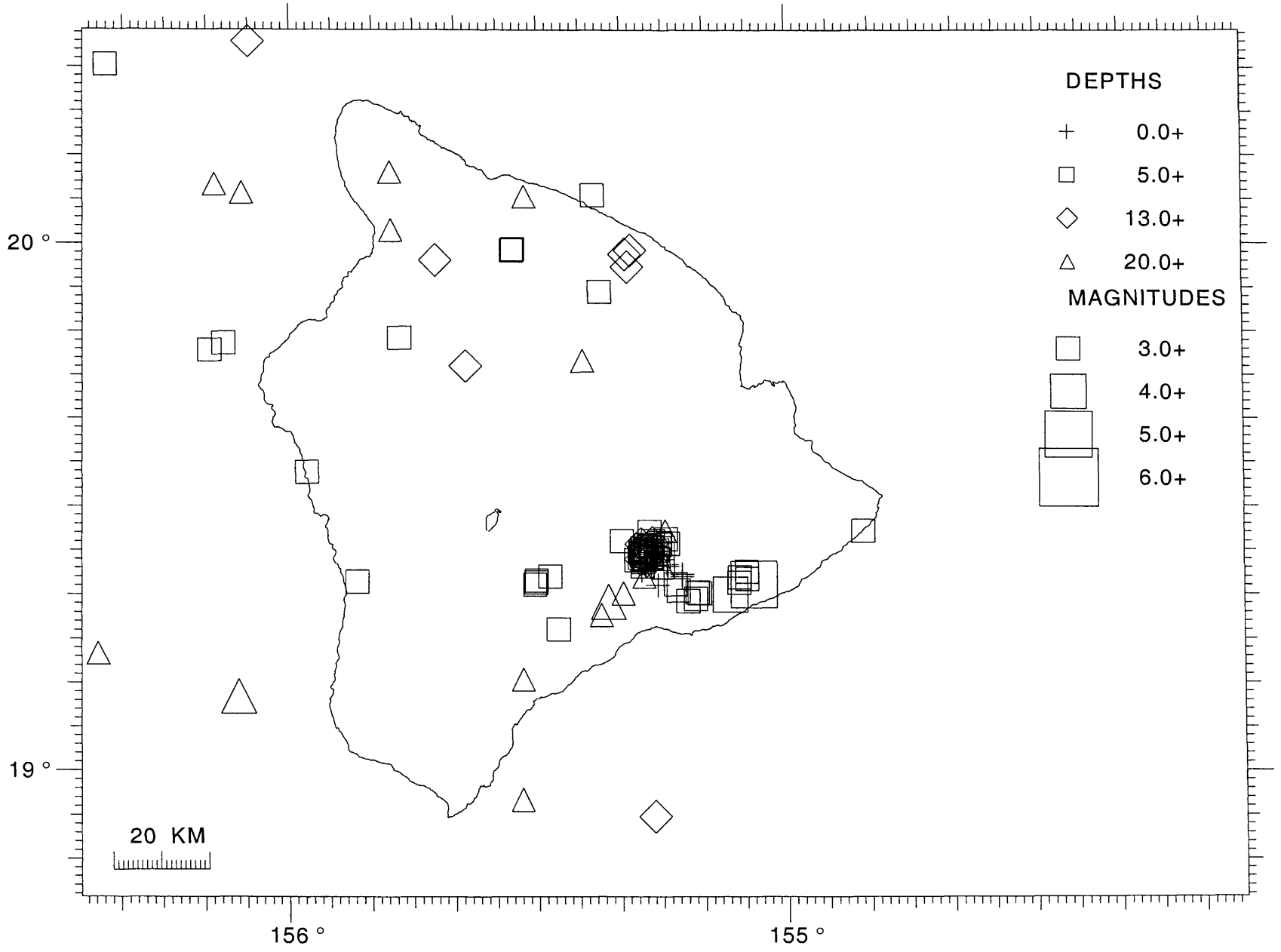
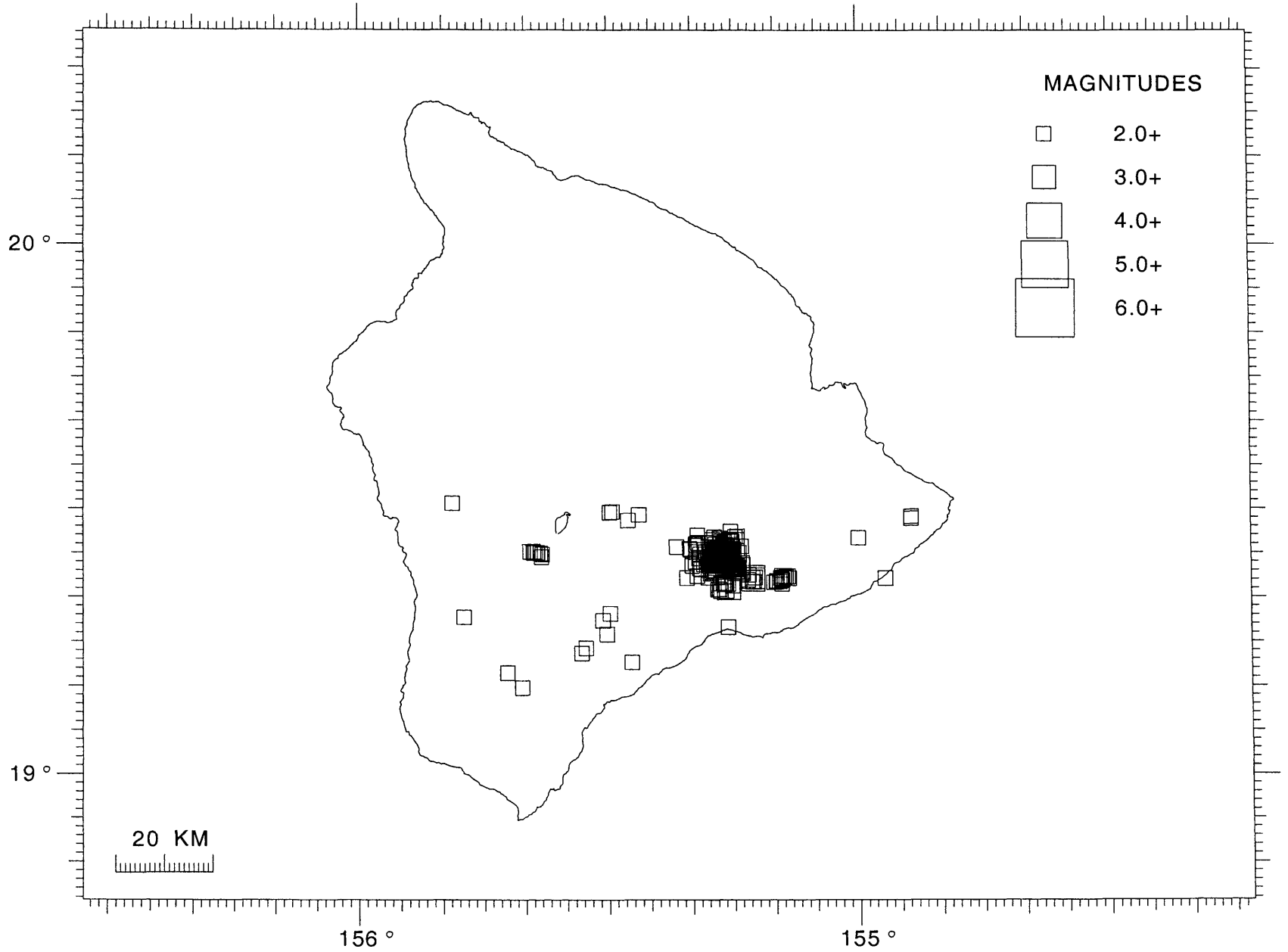


Figure 12. 1997 earthquake locations, Hawai'i Island, shallow (0–5.0 km depth), M>=2.0.



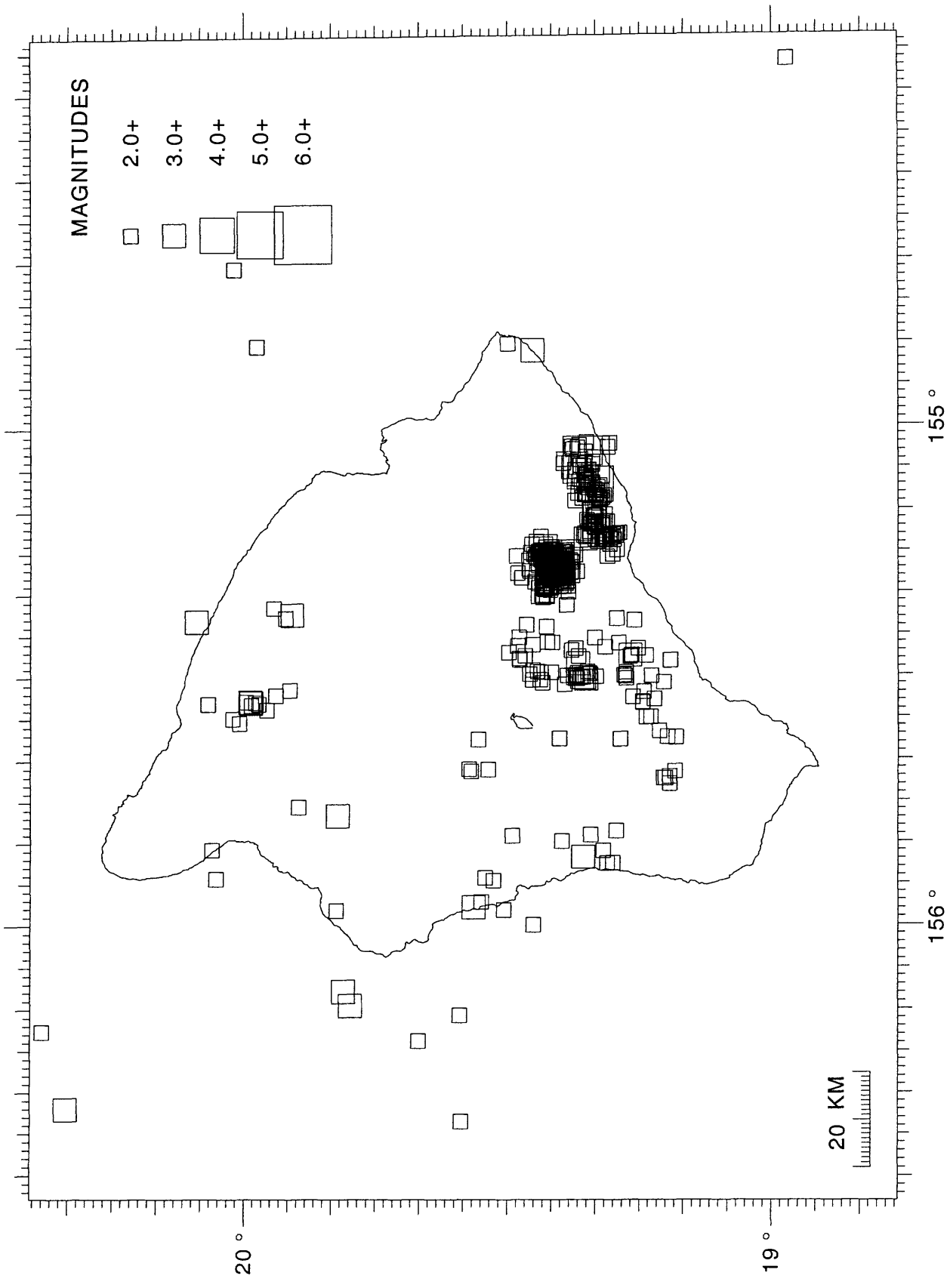
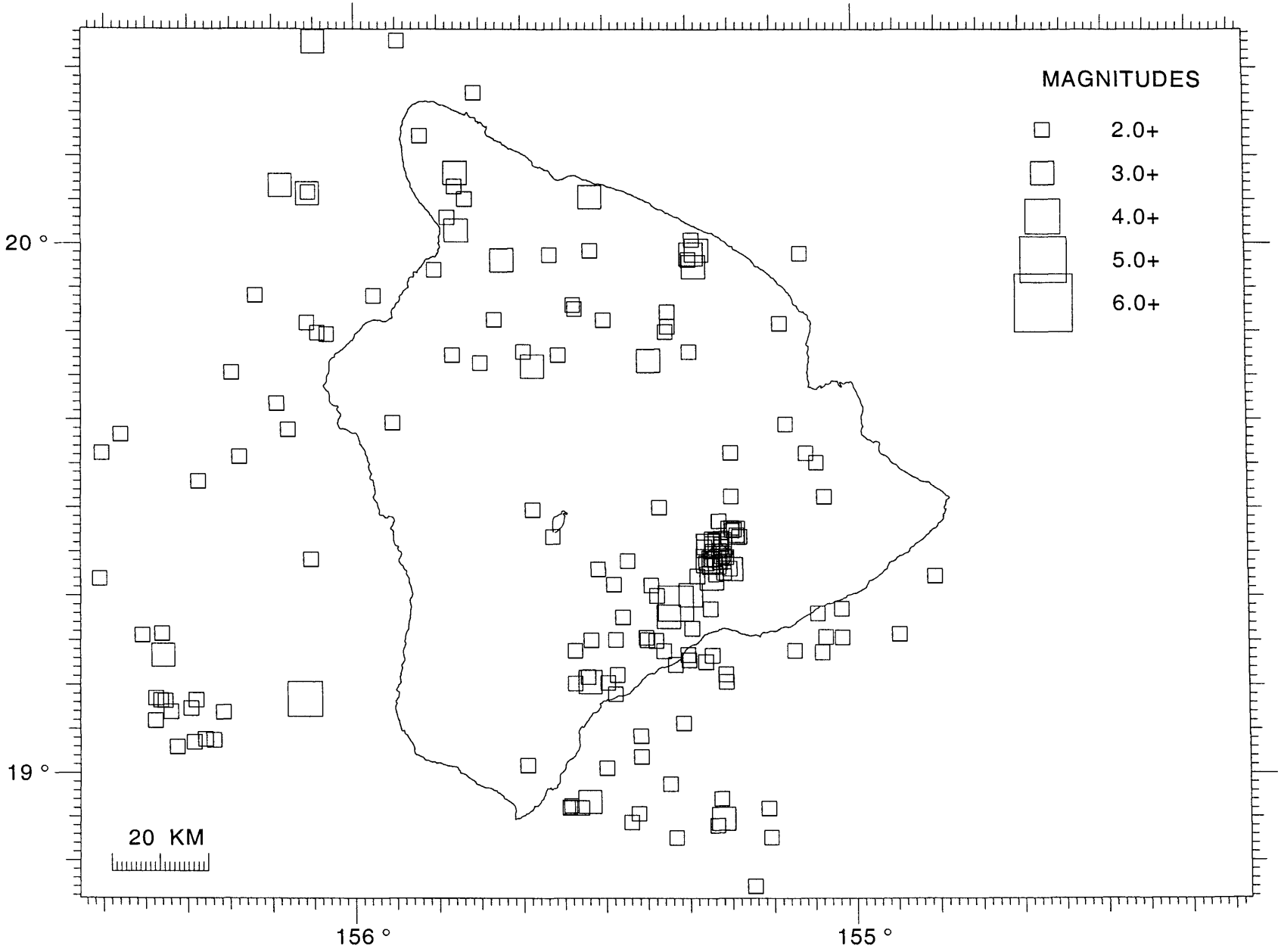


Figure 13. 1997 earthquake locations, Hawai'i Island, intermediate (5.1–13.0 km depth), M>=2.0.

Figure 14. 1997 earthquake locations, Hawai'i Island, deep (13.1–60.0 km depth), M>=2.0.



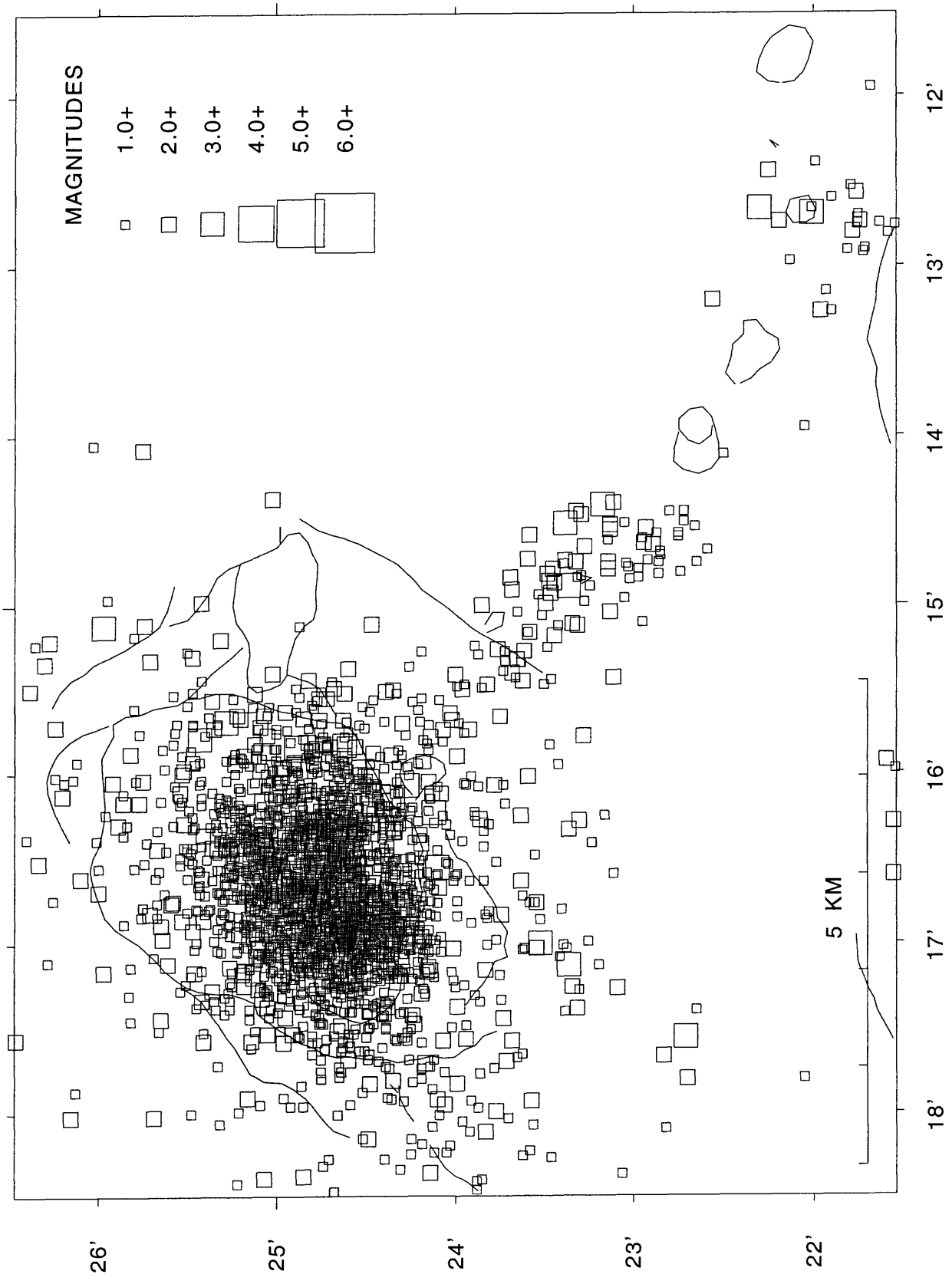


Figure 15. 1997 earthquake locations, Kilauea summit, shallow (0–5.0 km depth), M>=1.0.

Figure 16. 1997 earthquake locations, Kilauea summit, intermediate (5.1–13.0 km depth), M>=1.0.

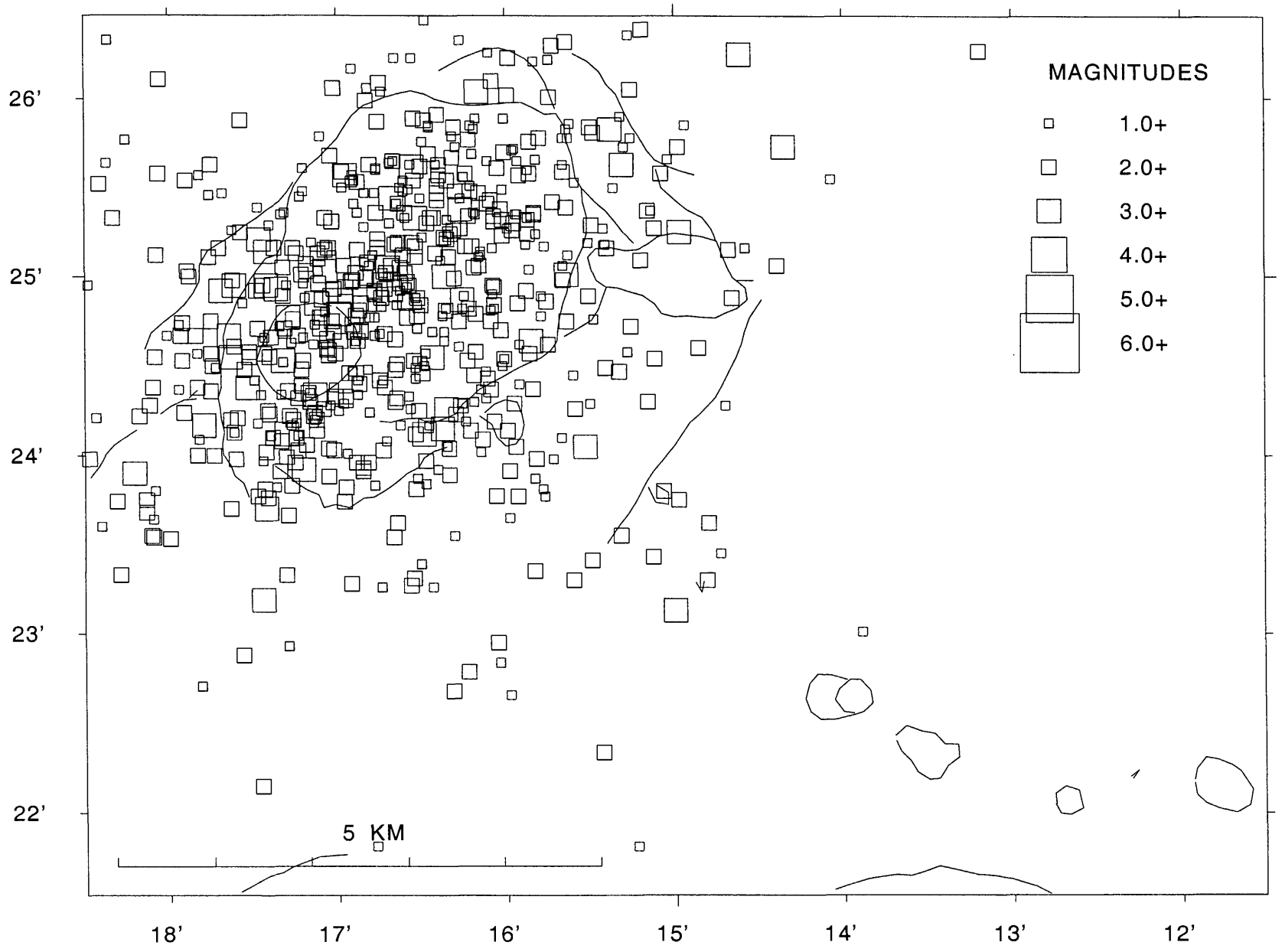


Figure 17. 1997 earthquake locations, Kilauea summit,
deep (13.1–60.0 km depth), M>=1.0.

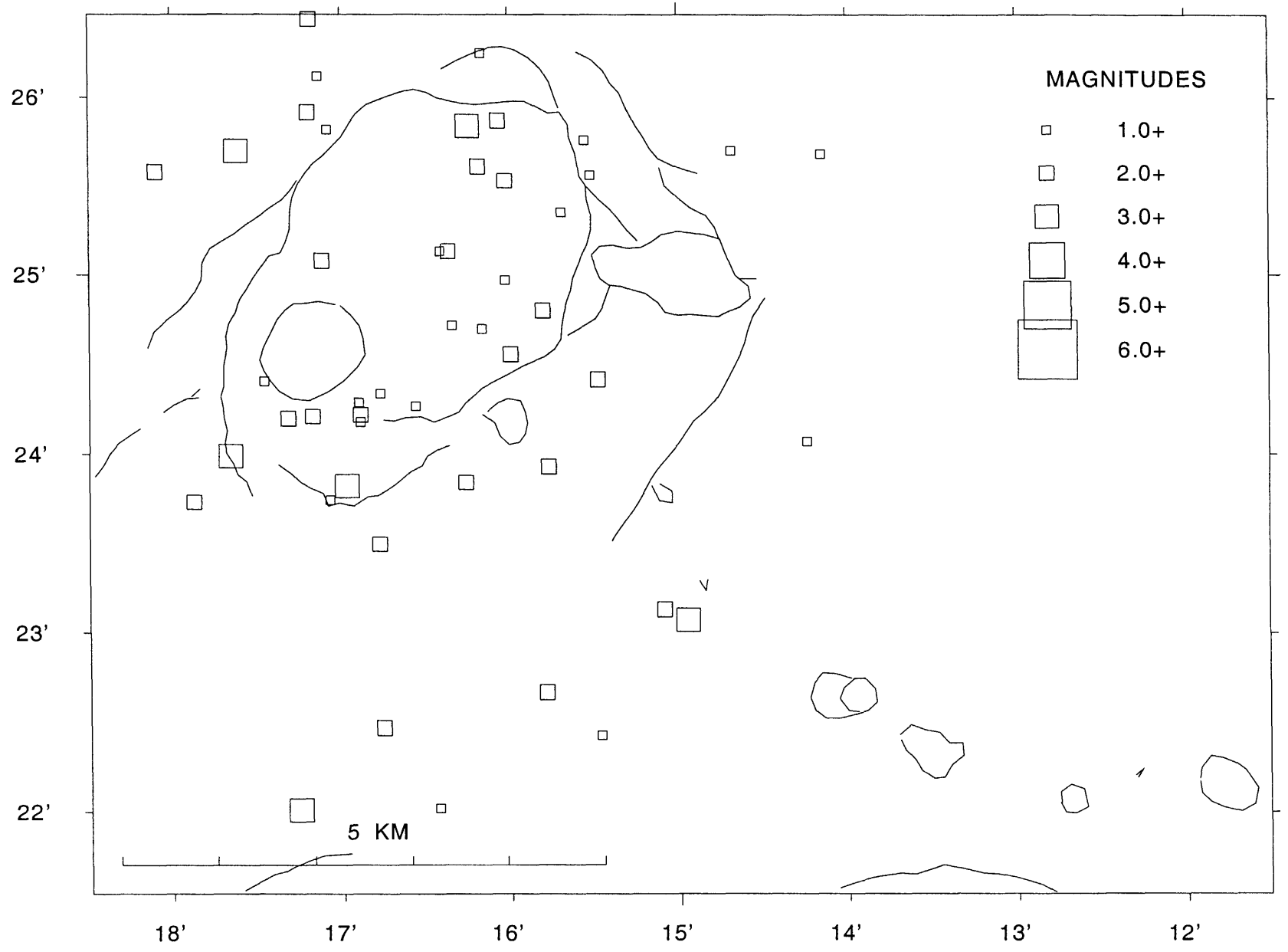


Figure 18. 1997 earthquake locations, Kilauea south flank, shallow (0–5.0 km depth), M>=2.0.

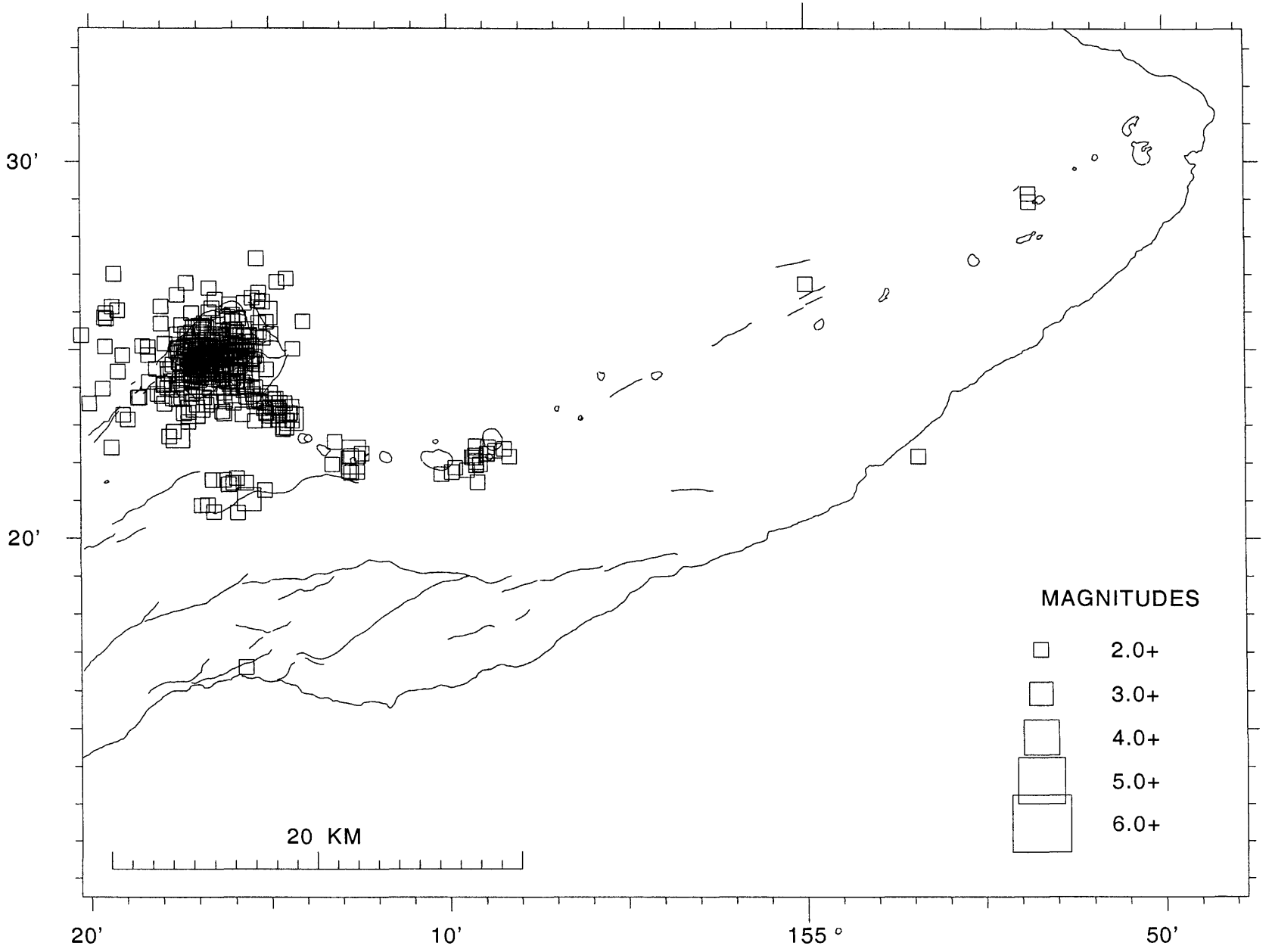


Figure 19. 1997 earthquake locations, Kilauea south flank, intermediate (5.1–13.0 km depth), M>=2.0.

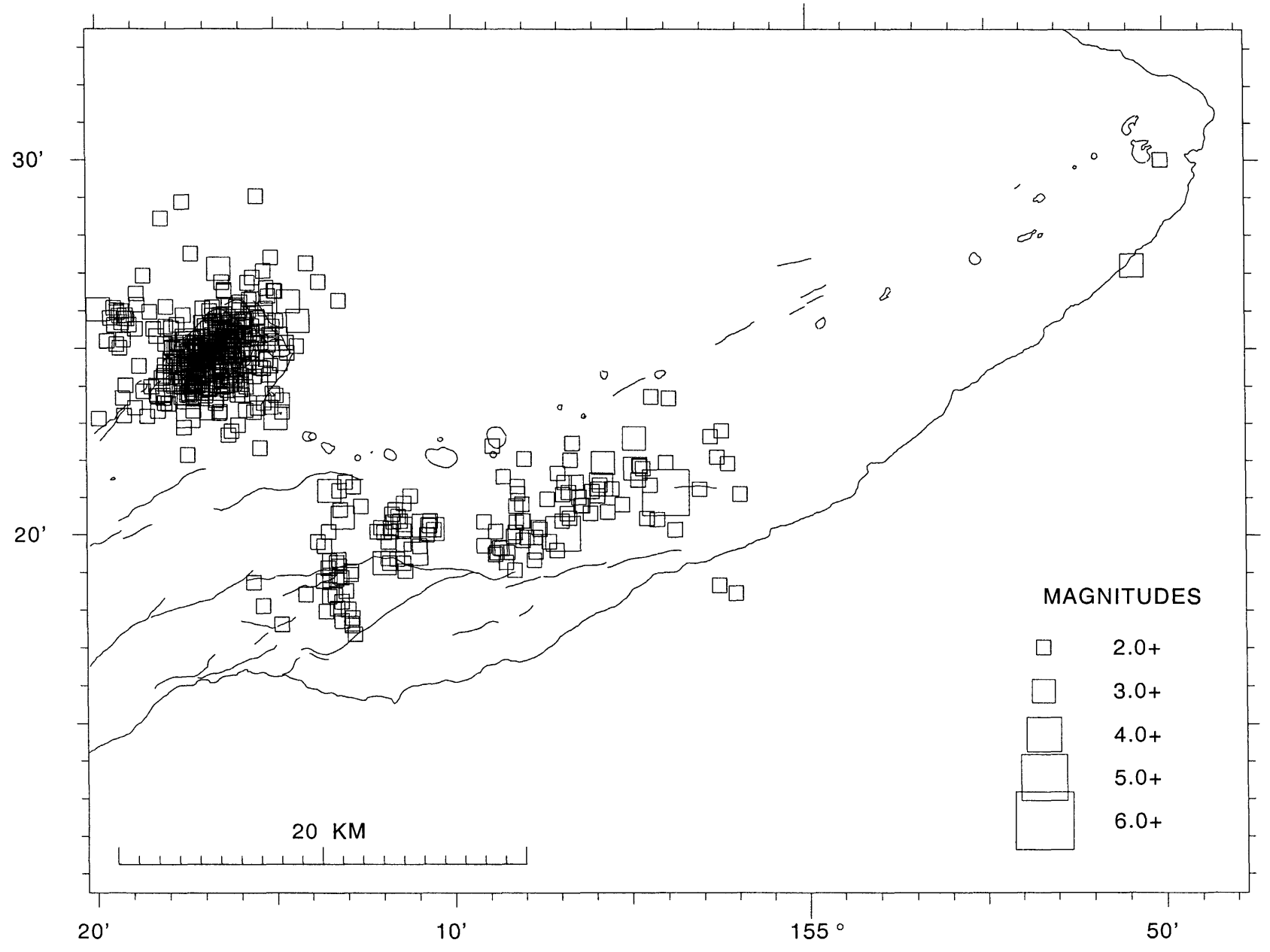


Figure 20. 1997 earthquake locations, Kilauea south flank, deep (13.1–60.0 km depth), M>=2.0.

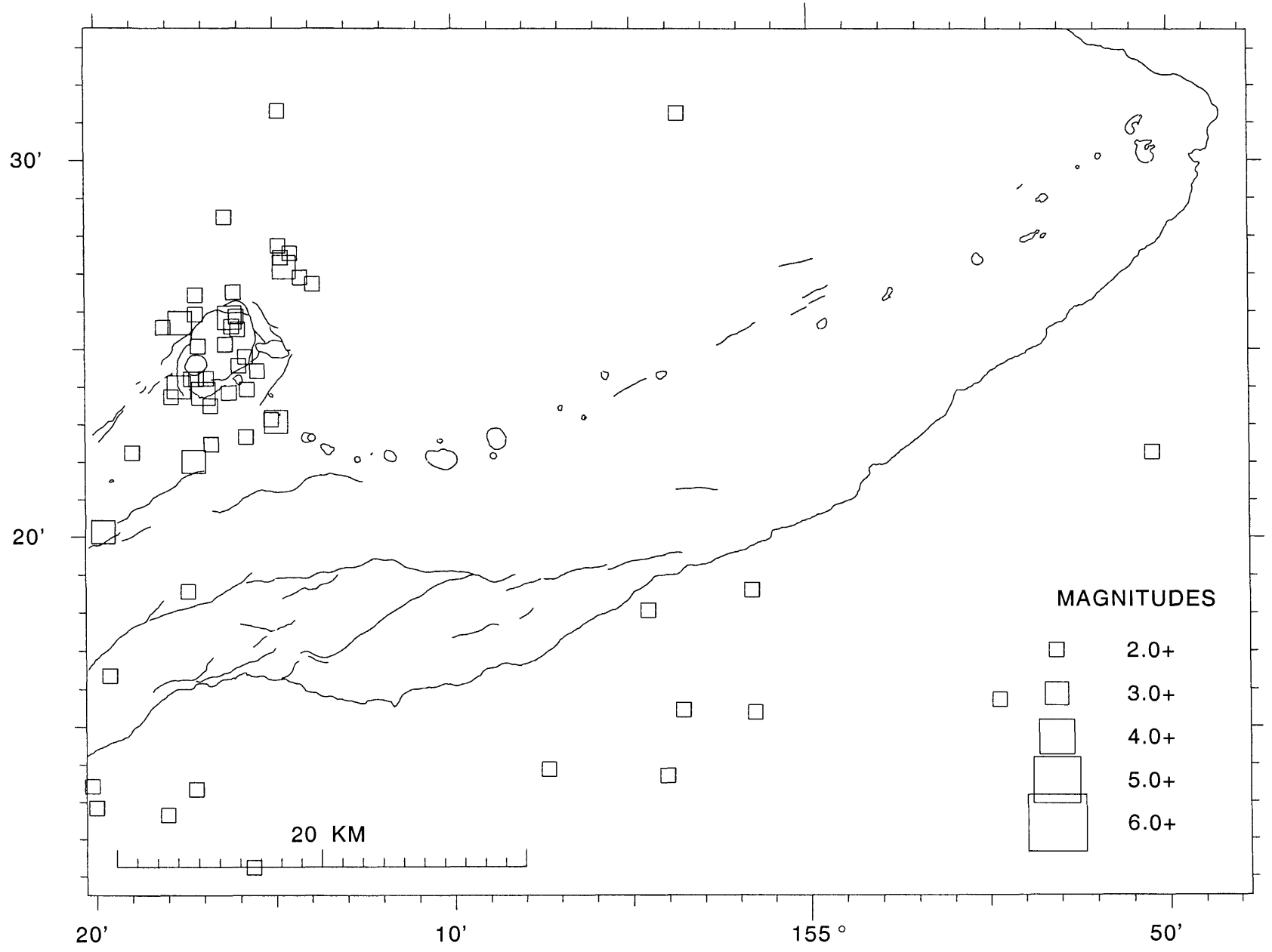


Figure 21. 1997 earthquake locations, Mauna Loa summit, shallow (0–5.0 km depth), M>=2.0.

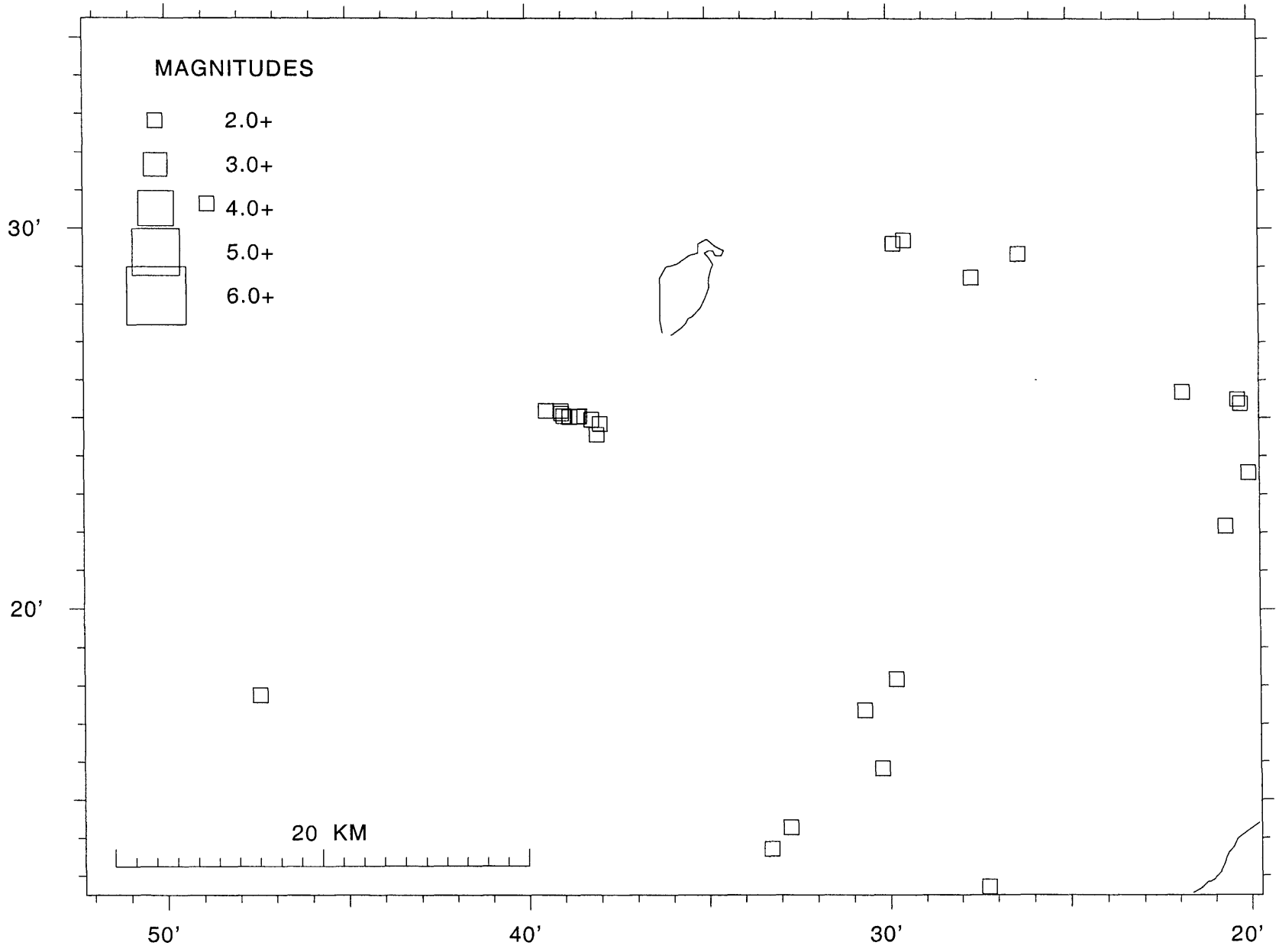


Figure 22. 1997 earthquake locations, Mauna Loa summit, intermediate (5.1–13.0 km depth), M>=2.0.

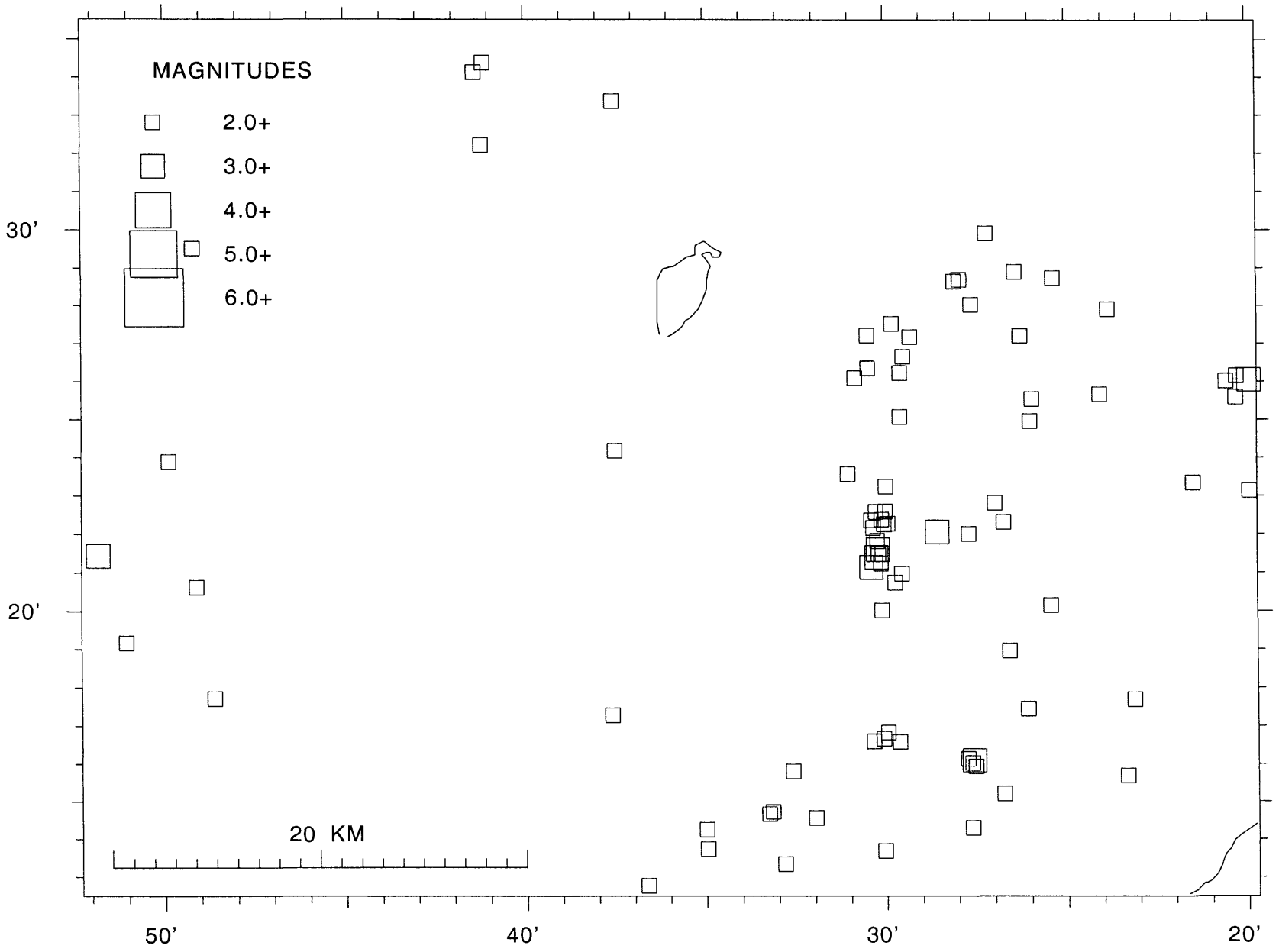


Figure 23. 1997 earthquake locations, Mauna Loa summit, deep (13.1–60.0 km depth), M>=2.0.

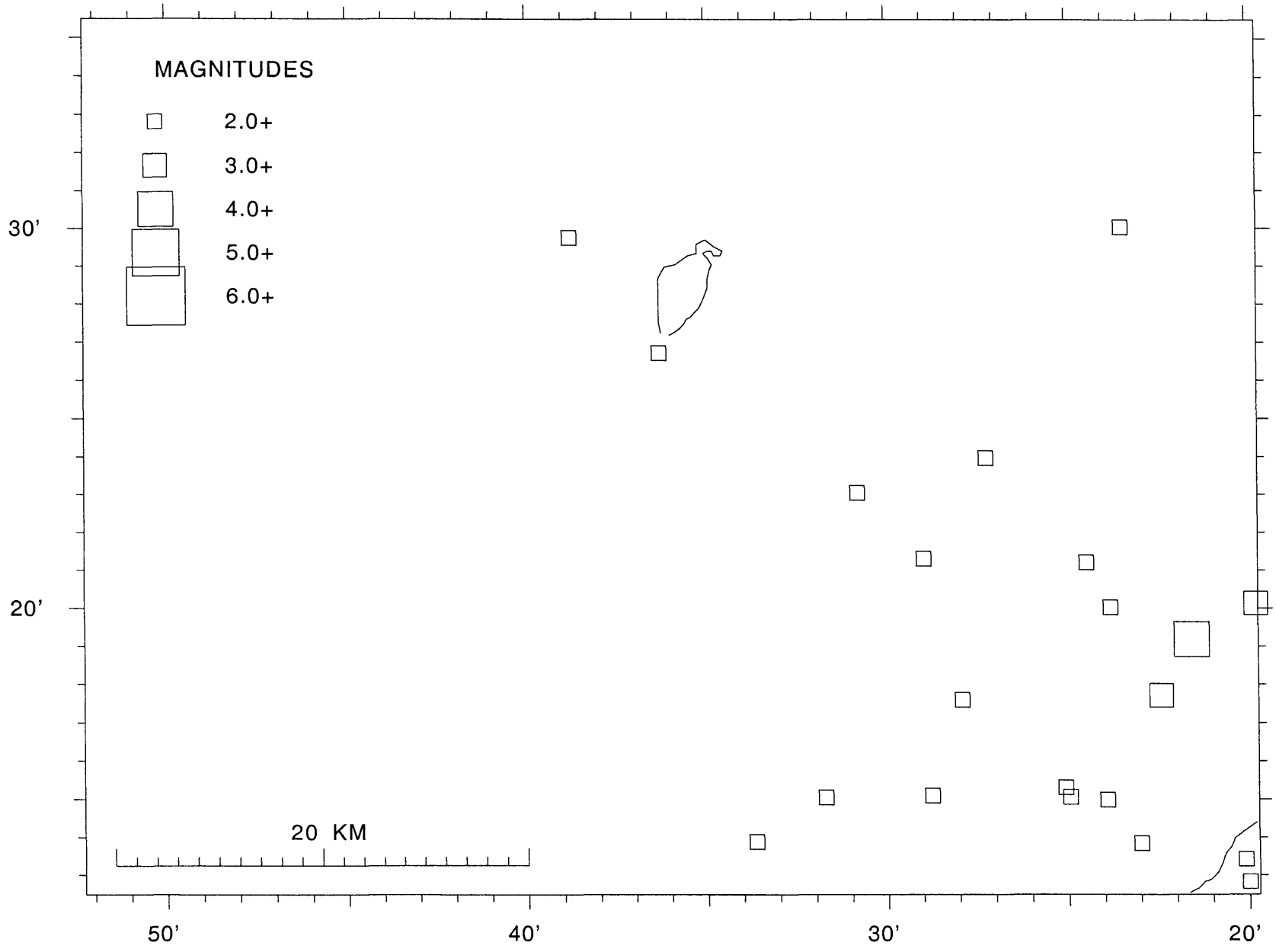


Table 5 is a chronological list of selected events successfully located during 1997. For each event, the following data are presented:

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
97	JAN	1	444	7.16	19	17.81	155	15.49	7.54	33	5	.10	.5	1.0	SF1		1.6X	6	142	6
97	JAN	1	1339	58.05	19	36.18	156	30.27	34.97	31	5	.12	1.6	2.6	DIS		2.4X	4	313	63
97	JAN	1	1532	14.44	19	20.01	155	7.40	8.81	26	3	.09	.6	.5	SF4		1.6X	4	134	5
97	JAN	2	813	15.68	19	30.02	155	28.67	6.11	39	8	.10	.3	1.3	MLO		1.9X	6	67	4
97	JAN	2	1209	43.58	19	20.26	155	7.34	7.63	4010		.14	.5	.7	SF4		2.0X	7	135	5
97	JAN	2	1443	24.63	19	22.93	155	14.55	3.62	29	9	.13	.3	.4	SEC		2.0X	6	87	3
97	JAN	2	1720	42.58	19	19.35	155	9.81	8.70	29	4	.09	.6	.7	SF3		1.2X	4	112	5
97	JAN	2	2205	51.53	19	20.46	155	10.98	9.19	29	3	.12	.6	.7	SF3		1.3X	4	99	4
97	JAN	3	626	58.66	19	27.12	155	59.95	10.63	34	8	.14	.9	.5	KON		2.0X	6	246	9
97	JAN	3	1501	35.41	19	12.91	155	28.44	0.02	35	4	.13	.3	.4	LSW		2.0X	4	94	6
97	JAN	4	611	5.30	19	25.34	155	56.25	6.00	29	6	.15	.7	.6	KON		1.8X	5	217	8
97	JAN	4	959	15.42	19	23.77	155	16.98	3.58	16	5	.10	.5	.3	SSC		1.5X	4	122	1
97	JAN	4	1857	8.36	20	23.05	155	54.70	29.53	27	4	.12	1.8	4.2	KOH		2.2X	3	311	78
97	JAN	6	1056	18.68	19	20.20	155	7.20	9.54	32	7	.10	.4	.5	SF4		1.8X	6	137	5
97	JAN	6	1520	9.98	19	20.54	155	13.59	9.34	25	3	.11	.5	.7	SF2		1.4X	4	118	4
97	JAN	6	2220	53.91	19	22.10	155	30.38	10.46	30	3	.10	.4	.8	KAO		1.5X	4	53	5
97	JAN	7	1210	28.99	19	24.13	155	17.86	0.23	15	5	.08	.2	.4	SSCL		1.4X	4	90	2
97	JAN	7	1750	6.19	19	28.81	155	26.84	9.72	41	8	.13	.4	.7	KAO		1.9X	6	74	6
97	JAN	7	2133	50.69	19	22.43	155	4.55	7.33	33	5	.12	.6	.5	SF5		1.4X	6	145	6
97	JAN	8	1050	13.42	19	15.64	155	26.25	9.38	33	3	.09	.4	.8	LSW		1.6X	5	74	5
97	JAN	9	121	41.46	19	24.19	155	15.27	3.94	16	4	.12	.5	.6	SEC		1.2X	2	81	2
97	JAN	9	412	20.54	19	22.11	155	28.55	6.14	29	5	.13	.4	.6	KAO		2.0X	3	52	2
97	JAN	9	437	38.00	19	21.89	155	28.71	4.36	17	3	.09	.4	.7	KAO		1.2X	1	80	2
97	JAN	9	2111	33.33	19	11.50	155	42.80	3.72	19	3	.13	.5	2.4	LSW		1.5X	1	93	7
97	JAN	9	2313	13.25	19	7.24	155	24.93	46.69	32	5	.09	.9	1.1	LOI		1.8X	5	183	7
97	JAN	11	256	46.45	19	20.19	155	10.93	7.42	4011		.09	.4	.5	SF3		1.3X	7	119	4
97	JAN	11	303	37.50	19	19.79	155	7.99	9.80	35	7	.11	.4	.3	SF4		1.4X	6	121	4
97	JAN	11	458	50.78	19	3.02	155	13.34	27.68	40	8	.11	1.0	1.4	LOI		1.8X	5	221	28
97	JAN	12	24	33.35	19	20.01	155	30.11	11.99	44	9	.09	.3	.5	KAO		2.0X	9	65	6
97	JAN	12	44	7.04	19	9.00	155	24.52	46.38	28	1	.11	1.5	1.8	LOIT		1.7X	3	210	6
97	JAN	12	518	9.80	19	14.08	155	29.55	11.88	37	5	.12	.4	.7	LSW		1.6X	6	93	9
97	JAN	12	1917	24.66	19	20.45	155	6.72	9.89	3910		.11	.6	.4	SF4		2.0X	7	137	6
97	JAN	12	1928	43.17	19	25.70	155	14.68	14.80	15	4	.11	1.7	.8	DEPL		1.9X	4	242	4
97	JAN	13	438	18.77	19	24.15	155	26.88	9.78	33	5	.14	.4	.9	KAO		1.1X	3	34	3
97	JAN	14	2141	27.22	19	24.18	155	37.52	11.58	5015		.12	.3	.4	MLO		2.4X	9	51	1
97	JAN	14	2232	24.45	19	23.05	155	14.52	3.48	17	6	.11	.3	.3	SEC		1.8X	2	111	3
97	JAN	15	119	14.97	19	11.87	155	37.32	10.55	30	4	.10	.3	.6	LSW		2.2X	2	87	6
97	JAN	15	455	39.84	19	27.05	155	14.78	31.63	4613		.08	.5	.6	DEP		1.7X	6	92	4
97	JAN	15	546	18.34	19	29.73	155	26.56	4.75	28	6	.14	.4	1.8	KAO		1.7X	3	90	5
97	JAN	15	652	40.55	19	12.06	155	38.89	10.81	29	5	.14	.4	.8	LSW		1.7X	1	82	6
97	JAN	15	712	39.02	19	9.11	155	36.39	12.41	24	5	.14	.5	.7	LSW		2.0X	2	112	11
97	JAN	15	827	9.88	19	22.02	155	16.43	30.42	3910		.09	.6	.9	DEP		1.8X	7	88	1
97	JAN	15	1317	11.51	19	21.86	155	4.51	11.43	20	5	.08	.9	.7	SF5		1.2X	4	157	6
97	JAN	17	813	39.72	19	25.36	155	16.88	11.57	32	9	.12	.5	.4	INTL		1.8X	7	99	1
97	JAN	17	1851	8.42	19	20.56	155	3.46	7.77	30	5	.10	.6	.6	SF5		1.5X	4	175	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
97	JAN	18	1712	30.56	18	55.95	155	10.69	37.84	43	9	.10	.8	1.5	LOI		2.1X	6	247	39
97	JAN	19	17	19.60	19	21.21	155	8.87	3.53	24	6	.11	.3	.5	SER		1.5X	5	100	2
97	JAN	19	1104	14.64	19	52.60	155	33.56	21.27	4813		.10	.8	1.4	KEA		2.4X	8	211	15
97	JAN	19	1109	17.40	19	54.17	155	29.66	26.41	38	9	.09	.7	1.1	KEA		2.0X	7	218	14
97	JAN	19	1611	55.84	19	30.18	155	29.34	6.99	26	7	.09	.3	1.2	MLO		1.4X	4	69	4
97	JAN	20	104	34.83	19	39.50	155	8.32	26.64	4111		.15	.6	1.7	HIL		2.5X	7	158	26
97	JAN	20	149	0.26	19	20.68	155	15.91	1.31	2710		.09	.2	.3	KOA		2.2X	5	111	3
97	JAN	20	1012	27.72	19	29.97	155	26.78	9.33	36	7	.12	.4	.9	KAO		1.7X	5	78	4
97	JAN	20	2008	41.51	19	18.95	155	8.34	8.50	33	7	.09	.5	.6	SF4		1.5X	5	105	3
97	JAN	21	227	22.54	19	28.01	155	25.36	9.51	36	7	.13	.4	.8	KAO		1.5X	6	39	5
97	JAN	21	736	48.78	19	22.95	155	15.10	3.29	20	5	.08	.3	.3	SEC		1.8X	4	98	2
97	JAN	21	1750	29.31	18	57.11	155	16.24	13.64	14	4	.09	2.0	1.4	LOI		2.3X	1	298	31
97	JAN	21	2332	25.41	19	17.60	155	27.90	33.25	30	4	.11	.7	1.1	DLS		2.0X	2	65	9
97	JAN	22	343	25.09	19	31.25	155	3.68	46.37	30	4	.09	.9	1.4	DEP		2.0X	2	136	14
97	JAN	22	914	26.97	19	10.25	155	41.03	5.24	21	8	.16	.7	3.9	LSW				183	9
97	JAN	22	1331	37.46	19	18.09	155	21.72	7.87	32	4	.13	.4	.7	SWR		1.7X	2	118	5
97	JAN	22	1818	49.05	19	6.98	156	22.00	36.62	30	6	.11	1.6	2.0	DIS		2.1X	1	322	55
97	JAN	24	113	13.51	19	20.58	155	7.76	6.56	18	1	.10	.6	.9	SF4		1.6X	2	118	5
97	JAN	24	127	21.02	19	53.04	155	33.77	21.25	35	4	.09	.6	1.9	KEA		2.1X	3	127	16
97	JAN	24	452	31.91	19	11.64	155	39.66	11.50	19	5	.08	.4	.9	LSW		1.7X	1	82	8
97	JAN	24	1704	5.80	19	20.23	155	4.18	8.27	35	8	.09	.5	.4	SF5		1.6X	5	173	8
97	JAN	25	627	17.68	19	36.23	155	17.58	31.70	4211		.11	.5	.9	KEA		1.7X	6	112	16
97	JAN	25	1659	40.66	19	24.48	155	17.55	11.54	18	8	.08	.9	.7	INTL		2.2X	5	128	1
97	JAN	26	113	13.27	19	22.43	155	29.88	9.27	27	3	.08	.3	.9	KAO		1.3X	2	78	4
97	JAN	26	345	25.38	19	19.17	155	13.05	9.54	37	9	.11	.4	.6	SF2		1.4X	6	136	8
97	JAN	26	713	35.12	19	19.55	155	7.68	7.99	4110		.13	.4	.5	SF4		2.1X	6	124	4
97	JAN	26	1046	23.38	19	21.78	155	8.94	3.80	17	4	.09	.5	.4	SER		1.4X	3	97	2
97	JAN	26	1350	43.39	19	29.63	155	26.78	5.62	30	7	.10	.3	1.3	KAO		1.7X	4	74	5
97	JAN	26	1654	25.89	19	19.87	155	6.80	8.48	33	8	.07	.4	.4	SF4		1.6X	7	142	5
97	JAN	27	255	33.06	19	23.97	155	27.33	11.26	32	8	.12	.4	.7	KAO		1.4X	6	35	3
97	JAN	27	446	38.57	19	16.62	155	15.70	0.80	4918		.18	.5	.3	SSF		2.3X	7	149	11
97	JAN	27	2200	10.10	19	47.03	156	9.28	7.84	25	3	.12	1.6	1.4	HUA		1.9X	2	256	35
97	JAN	28	830	23.46	19	20.73	155	29.74	6.92	3711		.12	.3	.8	KAO		2.0X	3	92	5
97	JAN	28	1039	15.21	19	26.38	155	30.17	12.91	24	5	.10	.4	.8	KAO		1.8X	3	56	6
97	JAN	28	1124	36.92	19	25.94	155	30.07	9.66	4014		.13	.3	.7	KAO		1.8X	6	59	5
97	JAN	28	1415	26.58	19	26.90	155	14.25	33.99	35	3	.10	.6	1.0	DEP		2.0X	3	93	5
97	JAN	28	1427	50.15	19	19.92	155	8.40	6.18	22	5	.06	.6	.9	SF4		1.6X	2	159	5
97	JAN	29	234	35.09	19	24.81	154	59.53	8.10	33	5	.14	.9	.4	LER		1.5X	1	156	2
97	JAN	29	818	9.15	19	22.37	155	27.01	11.01	31	3	.12	.4	.8	KAO		1.6X	2	73	1
97	JAN	29	928	44.73	19	25.32	155	19.03	5.83	13	2	.09	.7	1.3	KAO		1.4X	3	91	3
97	JAN	29	1852	35.89	19	24.48	155	7.48	5.13	16	2	.12	.7	.9	SF4		1.3X	2	154	2
97	JAN	29	1852	46.02	19	22.39	155	6.39	2.50	22	4	.13	.6	.5	SME		1.5X	2	128	3
97	JAN	29	1853	9.29	19	22.28	155	6.55	2.59	18	3	.09	.5	.5	SME		1.6X	2	128	3
97	JAN	29	1911	23.54	19	22.56	155	8.67	3.91	22	4	.12	.6	.5	SER		1.9X	3	105	2
97	JAN	29	1914	45.00	19	22.37	155	8.46	3.48	30	6	.11	.5	.4	SER		2.3X	3	101	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
97	JAN	29	1919	43.87	19	22.46	155	8.48	3.49	16	3	.13	.6	.5	SER	1.8X	2	132	2
97	JAN	29	1921	28.36	19	22.05	155	8.32	2.12	13	4	.12	.4	.4	SER	1.9X	2	149	3
97	JAN	29	1933	4.43	19	22.37	155	8.06	1.14	13	4	.11	1.1	.4	SER	1.5X	3	235	2
97	JAN	29	1933	18.36	19	22.06	155	8.55	3.02	14	5	.15	1.5	.5	SER	1.4X	2	224	2
97	JAN	29	1934	23.88	19	24.38	155	17.36	4.06	11	4	.07	1.7	.4	SSCL	1.0X	3	204	1
97	JAN	29	1934	38.36	19	22.32	155	8.93	3.35	16	4	.10	.6	.4	SER	1.6X	3	119	2
97	JAN	29	1937	44.70	19	21.99	155	9.11	3.80	25	4	.10	.4	.4	SER	2.0X	2	98	1
97	JAN	29	1938	44.09	19	22.56	155	8.85	3.65	33	4	.10	.5	.4	SER	1.7X	4	96	2
97	JAN	29	1945	57.54	19	22.13	155	8.83	3.80	20	3	.11	.5	.5	SER	1.7X	2	127	2
97	JAN	29	1946	48.66	19	22.39	155	8.90	5.54	39	9	.13	.5	.6	SF4	2.1X	5	101	2
97	JAN	29	1951	28.00	19	22.31	155	8.52	5.70	14	3	.13	.7	3.5	SF4	2.0X	2	121	8
97	JAN	29	2010	32.31	19	22.04	155	8.00	6.06	16	2	.11	.6	2.2	SF4	2.5X	3	120	9
97	JAN	29	2026	44.28	19	22.42	155	8.91	1.49	15	3	.08	.5	.3	SER	2.4X	1	106	2
97	JAN	29	2031	8.16	19	24.80	155	16.18	4.26	14	4	.09	.9	.4	SNCL	2.1X	2	181	1
97	JAN	29	2043	11.25	19	22.32	155	8.71	0.72	16	2	.08	.4	.6	SER	2.5X	2	127	8
97	JAN	29	2104	9.76	19	24.77	155	16.52	2.97	20	7	.09	.4	.2	SNCL	2.3X	2	78	1
97	JAN	29	2147	2.68	19	22.08	155	9.24	3.47	15	4	.07	.5	.3	SER	1.7X	2	105	1
97	JAN	29	2147	38.80	19	27.42	155	15.38	3.97	12	5	.06	.7	.9	SNCL	2.2X	3	228	2
97	JAN	29	2158	8.12	19	24.98	155	15.99	2.79	22	6	.10	.3	.3	SNCL	2.2X	3	102	2
97	JAN	29	2212	13.01	19	22.25	155	8.93	4.60	8	3	.10	.7	.6	SER	2.0X	1	132	2
97	JAN	29	2213	55.81	19	26.38	155	15.50	2.19	14	5	.15	.4	.7	SNCL	2.3X	2	186	3
97	JAN	29	2230	43.30	19	24.82	155	15.44	0.89	16	4	.10	.3	.5	SNCL	2.1X	3	122	3
97	JAN	29	2233	52.50	19	22.02	155	9.23	1.07	13	4	.10	.5	.3	SER	2.4X	2	123	1
97	JAN	29	2309	10.02	19	22.24	155	8.94	3.42	18	5	.10	.5	.4	SER	2.1X	2	100	2
97	JAN	29	2322	42.30	19	25.09	155	15.72	2.27	17	4	.12	.4	.4	SNCL	2.3X	3	94	2
97	JAN	29	2356	4.11	19	25.07	155	15.65	2.01	13	2	.12	.4	.7	SNCL	2.4X	1	122	2
97	JAN	30	1	25.75	19	25.75	155	14.08	2.75	12	4	.14	.6	1.6	SNCL	2.5X	3	182	5
97	JAN	30	58	59.88	19	22.20	155	9.24	3.19	12	4	.08	.5	.4	SER	2.0X	1	104	1
97	JAN	30	209	58.18	19	22.07	155	8.80	3.31	15	4	.11	.6	.4	SER	2.0X	2	98	2
97	JAN	30	300	38.12	19	25.82	155	15.88	1.55	29	2	.11	.2	.4	SNCF	2.3X	2	87	3
97	JAN	30	309	34.67	19	25.74	155	15.11	0.04	27	7	.12	.2	.3	SNCL#	2.3X	4	88	4
97	JAN	30	356	27.15	19	22.20	155	9.27	2.82	35	7	.15	.5	.3	SER	2.1X	5	92	1
97	JAN	30	555	27.77	19	20.09	155	11.75	9.00	19	4	.09	.5	.7	SF3	2.2X	3	117	5
97	JAN	30	656	45.48	19	21.76	155	9.46	1.42	8	2	.07	.6	.3	SER	1.9X	1	114	1
97	JAN	30	704	22.96	19	21.81	155	9.49	0.41	12	4	.14	.4	.3	SER	2.4X	2	97	1
97	JAN	30	710	27.00	19	23.71	155	17.70	0.60	23	7	.14	.3	.4	SSCL	2.7X	2	62	2
97	JAN	30	728	6.86	19	24.79	155	16.19	1.08	18	5	.11	.4	.4	SNCL	2.4X	2	108	1
97	JAN	30	728	24.47	19	23.57	155	17.93	0.02	19	4	.13	.2	.6	SSCL#	2.6X	1	66	2
97	JAN	30	740	44.49	19	25.02	155	15.40	0.08	15	5	.10	.3	.5	SNCL	2.3X	2	126	3
97	JAN	30	740	54.85	19	24.57	155	16.35	4.94	13	4	.06	.9	.5	SNCL	2.6X	1	173	1
97	JAN	30	814	45.24	19	22.44	155	9.25	3.59	22	4	.09	.4	.3	SER	2.2X	2	95	1
97	JAN	30	821	2.01	19	24.66	155	16.94	1.81	11	2	.11	.7	.3	SNCL	2.4X	1	152	0
97	JAN	30	829	55.37	19	23.77	155	17.99	0.03	29	5	.14	.2	.3	SSCL#	2.6X	2	67	2
97	JAN	30	838	20.59	19	21.49	155	9.20	2.79	29	6	.11	.3	.3	SER	2.4X	4	95	2
97	JAN	30	957	0.58	19	25.36	155	15.56	0.83	17	4	.10	.2	.5	SNCL	2.3X	3	128	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
97	JAN	30	959	4.09	19	24.51	155	16.29	2.44	19	5	.11	.5	.3	SECL	2.3X	3	128	1
97	JAN	30	1027	35.86	19	25.92	155	16.05	0.52	15	4	.11	.3	.5	SNCL	2.0X	3	125	3
97	JAN	30	1027	44.61	19	24.57	155	17.75	5.14	17	4	.11	.6	.7	INTL	2.4X	3	55	1
97	JAN	30	1043	13.69	19	24.46	155	15.88	0.02	15	4	.09	.2	.4	SECL	2.3X	2	110	2
97	JAN	30	1056	6.64	19	24.72	155	15.55	0.15	18	5	.12	.2	.4	SNCL	2.3X	3	151	2
97	JAN	30	1107	31.75	19	24.76	155	15.68	0.26	18	5	.08	.2	.4	SNCL	2.4X	2	117	2
97	JAN	30	1115	7.25	19	24.38	155	16.33	1.35	27	7	.14	.3	.2	SECL	2.4X	3	85	2
97	JAN	30	1135	24.59	19	25.23	155	15.94	0.30	17	5	.13	.2	.4	SNCL	2.2X	3	118	2
97	JAN	30	1142	47.50	19	24.62	155	15.89	3.29	16	5	.13	.4	.4	SNCL	2.4X	4	100	2
97	JAN	30	1211	25.56	19	25.52	155	16.29	0.03	15	3	.22	.3	.7	SNCL#	2.2X	1	114	2
97	JAN	30	1234	53.11	19	24.34	155	17.05	1.41	8	2	.10	.4	.3	SSCL	1.9X	3	98	1
97	JAN	30	1241	57.68	19	24.83	155	16.72	2.30	28	8	.10	.3	.2	SNCL	2.4X	3	93	1
97	JAN	30	1315	57.75	19	24.76	155	15.55	0.81	29	9	.12	.2	.3	SNCL	2.5X	3	113	2
97	JAN	30	1317	6.48	19	24.34	155	16.34	0.18	17	5	.11	.2	.3	SECL	2.4X	2	84	1
97	JAN	30	1328	13.31	19	24.82	155	15.81	2.34	18	5	.10	.3	.4	SNCL	2.2X	2	110	2
97	JAN	30	1330	34.49	19	24.57	155	16.49	1.29	19	5	.16	.5	.4	SNCL	2.4X	3	124	2
97	JAN	30	1334	16.45	19	24.56	155	17.28	3.03	23	7	.10	.4	.2	SNCL	2.3X	4	52	1
97	JAN	30	1349	58.54	19	24.90	155	15.94	0.19	21	8	.12	.2	.2	SNCL	2.2X	2	111	2
97	JAN	30	1353	43.35	19	24.07	155	17.58	0.56	24	9	.10	.2	.2	SSCL	2.4X	3	45	2
97	JAN	30	1356	22.68	19	24.45	155	16.73	3.11	13	3	.12	.5	.3	SSCL	2.4X	2	84	1
97	JAN	30	1402	54.83	19	24.32	155	16.29	0.29	14	4	.11	.2	.3	SECL	2.3X	1	85	1
97	JAN	30	1406	54.82	19	26.10	155	16.61	2.19	12	4	.08	.3	.5	SNCL	2.6X	2	125	2
97	JAN	30	1408	27.50	19	26.00	155	16.69	1.43	21	7	.09	.2	.3	SNCL	2.4X	2	120	2
97	JAN	30	1431	45.85	19	24.62	155	15.82	0.05	15	4	.15	.2	.4	SNCL	2.4X	1	101	2
97	JAN	30	1454	35.73	19	24.93	155	16.69	0.26	16	6	.15	.4	.3	SNCL	2.0X	1	96	1
97	JAN	30	1509	39.73	19	22.01	155	8.18	2.99	14	3	.10	.5	.4	SER	1.8X	2	107	3
97	JAN	30	1520	16.67	19	24.27	155	15.96	1.97	12	3	.06	.3	.3	SECL	1.8X	1	85	1
97	JAN	30	1540	44.67	19	24.07	155	18.19	0.07	14	4	.13	.3	.5	SSCL			143	3
97	JAN	30	1547	34.18	19	25.40	155	16.82	1.51	11	4	.12	.4	.4	SNCL	1.5X	3	104	1
97	JAN	30	1547	41.65	19	22.16	155	9.46	1.61	14	4	.07	.4	.2	SER	1.9X	2	116	1
97	JAN	30	1611	47.71	19	25.47	155	15.30	4.13	12	2	.13	.8	.9	SNCL	2.6X	1	159	2
97	JAN	30	1620	45.74	19	24.46	155	16.49	2.72	16	4	.11	.4	.3	SECL	2.2X	1	86	1
97	JAN	30	1622	36.64	19	21.94	155	9.24	0.97	10	2	.10	.4	.3	SER	2.2X	1	110	1
97	JAN	30	1622	52.39	19	26.46	155	17.57	4.96	12	3	.14	.7	1.0	SNCL	2.4X	1	104	2
97	JAN	30	1632	43.39	19	24.62	155	15.52	2.16	12	4	.13	.3	.5	SNCL	2.5X	1	105	2
97	JAN	30	1640	57.83	19	24.66	155	16.54	0.68	15	3	.13	.2	.3	SNCL	2.1X	1	91	1
97	JAN	30	1708	32.53	19	24.83	155	17.21	2.09	12	2	.13	.6	.3	SNCL	2.2X	1	114	1
97	JAN	30	1727	43.91	19	24.19	155	16.68	1.30	10	2	.06	.3	.2	SSCL			115	1
97	JAN	30	1734	3.71	19	22.21	155	9.11	1.54	11	2	.11	.5	.2	SER	2.0X	2	103	1
97	JAN	30	1735	15.00	19	24.38	155	16.72	5.69	9	3	.06	1.5	.7	INTL	2.0X	2	154	1
97	JAN	30	1752	9.33	19	50.57	155	22.35	25.39	30	6	.11	.8	1.0	KEA	2.2X	3	139	6
97	JAN	30	1807	11.81	19	25.54	155	16.11	1.68	11	2	.13	.4	.5	SNCL	2.1X	1	130	2
97	JAN	30	1835	28.49	19	22.14	155	9.26	1.75	11	2	.07	.5	.3	SER	2.3X	1	114	1
97	JAN	30	1858	50.11	19	24.40	155	17.07	2.09	11	3	.09	.5	.2	SSCL	2.2X	2	149	1
97	JAN	30	1906	11.20	19	25.41	155	16.36	2.63	12	3	.06	.5	.3	SNCL	2.2X	2	117	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
97	JAN	30	1919	56.23	19	26.51	155	15.32	1.81	20	6	.10	.3	.5	SNCL	2.5X	2	175	3
97	JAN	30	1929	29.37	19	21.63	155	10.06	1.06	12	3	.09	.4	.3	SER	1.9X	1	92	1
97	JAN	30	1942	18.04	19	24.87	155	16.98	1.58	12	2	.10	.4	.2	SNCL	1.9X	2	123	0
97	JAN	30	1943	56.70	19	24.69	155	16.42	2.73	9	4	.11	.5	.9	SNCL	1.9X	2	147	1
97	JAN	30	1944	8.32	19	26.30	155	15.34	1.61	11	3	.12	.4	.9	SNCL	2.1X	1	189	3
97	JAN	30	1944	47.17	19	24.92	155	17.01	2.00	15	2	.11	.4	.2	SNCL	2.5X	1	89	0
97	JAN	30	1945	37.85	19	23.29	155	14.83	3.38	9	2	.03	.5	.8	SECL	1.6X	1	106	3
97	JAN	30	1945	46.08	19	24.89	155	15.49	3.44	9	3	.07	.7	1.0	SNCL	1.7X	1	175	2
97	JAN	30	1946	20.83	19	25.63	155	15.65	2.43	11	3	.11	.6	.8	SNCL			224	3
97	JAN	30	1955	25.44	19	25.36	155	17.28	3.92	12	2	.07	.7	.3	SNCL	2.3X	2	95	1
97	JAN	30	1959	25.10	19	23.31	155	17.76	4.54	13	4	.08	.8	.7	SSCL			138	1
97	JAN	30	2002	33.04	19	24.65	155	17.16	3.21	13	4	.09	.6	.3	SNCL	2.0X	3	142	1
97	JAN	30	2036	55.40	19	22.15	155	9.36	1.67	13	3	.08	.5	.3	SER	2.2X	1	115	1
97	JAN	30	2109	10.74	19	24.65	155	16.85	2.19	15	4	.11	.4	.2	SNCL	2.0X	2	87	1
97	JAN	30	2117	10.75	19	24.95	155	17.44	3.49	14	4	.09	.5	.3	SNCL	2.1X	2	81	1
97	JAN	30	2128	17.84	19	24.83	155	16.10	0.00	13	4	.11	.2	.4	SNCL#	2.3X	1	163	2
97	JAN	30	2129	25.71	19	24.76	155	16.71	1.26	11	2	.11	.3	.2	SNCL	2.1X	2	92	1
97	JAN	30	2135	13.05	19	24.07	155	16.25	1.53	9	3	.10	.5	.4	SECL	1.7X	1	111	1
97	JAN	30	2158	14.57	19	22.29	155	8.37	3.21	18	3	.09	.7	.4	SER	1.7X	3	103	2
97	JAN	30	2201	43.58	19	21.96	155	9.13	1.35	15	3	.11	.4	.2	SER	2.1X	1	106	1
97	JAN	30	2219	43.11	19	21.70	155	10.21	1.41	12	3	.11	.5	.2	SER	2.1X	2	104	1
97	JAN	30	2228	29.21	19	25.79	155	16.04	0.04	13	4	.13	.3	.6	SNCL#	1.8X	3	140	2
97	JAN	30	2232	33.99	19	24.80	155	16.45	2.27	13	4	.08	.4	.3	SNCL	2.0X	1	97	1
97	JAN	30	2248	15.80	19	24.42	155	19.22	4.61	14	4	.11	.9	1.1	KAOL	2.5X	1	179	3
97	JAN	30	2252	4.18	19	24.38	155	16.84	1.95	15	4	.09	.4	.3	SSCL	2.4X	1	80	1
97	JAN	30	2303	46.64	19	24.74	155	16.72	1.89	17	4	.15	.4	.3	SNCL	2.1X	1	91	1
97	JAN	30	2304	45.73	19	24.71	155	18.27	4.22	10	3	.09	1.4	.8	SNCL	1.9X	1	266	2
97	JAN	30	2305	2.41	19	25.06	155	17.29	2.89	8	1	.04	1.3	.5	SNCL	2.0X	2	152	1
97	JAN	30	2312	37.28	19	24.64	155	17.49	2.19	12	1	.13	.5	.3	SNCL	2.0X	2	83	1
97	JAN	30	2316	43.16	19	19.84	155	6.94	9.49	14	3	.07	.7	.9	SF4	1.9X	2	147	5
97	JAN	30	2317	21.01	19	24.66	155	16.21	0.03	10	4	.13	.2	.6	SNCL#	1.5X	1	118	1
97	JAN	30	2320	34.59	19	24.61	155	16.44	1.86	14	4	.09	.3	.2	SNCL	2.1X	2	91	1
97	JAN	30	2322	46.51	19	24.84	155	16.86	1.90	17	5	.11	.4	.2	SNCL	2.2X	3	90	0
97	JAN	30	2335	32.09	19	25.09	155	15.98	3.16	13	5	.09	.4	.7	SNCL	2.5X	1	117	2
97	JAN	30	2350	55.71	19	25.05	155	17.54	2.74	12	4	.09	1.0	.3	SNCL	2.1X	1	190	1
97	JAN	30	2354	21.91	19	25.01	155	15.85	1.81	14	4	.10	.3	.5	SNCL	1.6X	2	117	2
97	JAN	31	2	33.23	19	25.05	155	16.46	1.73	20	7	.13	.3	.2	SNCL	2.5X	2	104	1
97	JAN	31	2	56.43	19	25.04	155	15.87	1.50	10	2	.10	.3	.6	SNCL	2.4X	1	118	2
97	JAN	31	3	23.08	19	24.19	155	16.41	0.02	14	3	.13	.2	.2	SECL#	2.7X	1	79	1
97	JAN	31	8	56.39	19	24.84	155	16.07	3.93	12	3	.19	.8	.8	SNCL	2.0X	2	106	2
97	JAN	31	9	24.73	19	25.12	155	16.05	0.01	9	4	.10	.4	.6	SNCL#	2.0X	2	183	2
97	JAN	31	21	35.49	19	24.35	155	16.61	1.89	11	2	.08	.3	.3	SSCL	2.4X	1	112	1
97	JAN	31	31	36.15	19	24.51	155	16.94	1.64	11	2	.07	.4	.2	SSCL	1.6X	1	125	1
97	JAN	31	32	28.51	19	24.80	155	16.66	2.14	9	2	.05	.7	.6	SNCL	1.6X	2	148	1
97	JAN	31	33	12.93	19	24.06	155	17.76	4.21	11	4	.08	1.6	.6	SSCL	2.0X	1	233	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
97	JAN	31	35	1.95	19	25.75	155	16.04	0.04	11	3	.11	.3	.6	SNCL#	2.2X	2	139	2
97	JAN	31	37	15.80	19	21.76	155	9.92	0.34	14	4	.10	.3	.3	SER	2.2X	2	100	1
97	JAN	31	41	34.16	19	24.72	155	16.47	1.96	11	2	.06	.5	.3	SNCL	1.5X	2	94	1
97	JAN	31	42	46.41	19	24.65	155	16.13	1.89	16	4	.08	.3	.3	SNCL	2.0X	2	98	2
97	JAN	31	48	21.10	19	24.84	155	16.52	1.52	12	3	.10	.4	.3	SNCL	1.8X	2	96	1
97	JAN	31	115	20.67	19	24.60	155	17.19	2.01	15	4	.10	.4	.2	SNCL	2.0X	3	80	1
97	JAN	31	118	54.53	19	24.87	155	16.90	3.57	11	3	.15	.8	.7	SNCL	2.0X	2	145	0
97	JAN	31	122	9.52	19	24.34	155	16.81	2.02	12	2	.09	.4	.3	SSCL	1.6X	1	88	1
97	JAN	31	123	54.01	19	23.42	155	15.95	1.48	15	4	.12	.2	.3	SECL	1.7X	2	83	1
97	JAN	31	131	10.99	19	25.28	155	16.57	2.67	12	2	.12	.8	.3	SNCL	1.6X	3	107	1
97	JAN	31	146	22.94	19	24.74	155	17.04	2.18	12	2	.12	.6	.3	SNCL	1.9X	3	130	0
97	JAN	31	155	55.54	19	53.96	156	9.05	49.54	15	3	.09	1.9	2.3	HUA	1.7X	2	297	40
97	JAN	31	206	50.22	19	23.87	155	17.97	2.17	12	3	.11	.6	.5	SSCL	1.9X	1	155	2
97	JAN	31	210	0.55	19	19.89	155	6.84	7.10	20	4	.12	.6	.8	SF4	1.8X	2	147	5
97	JAN	31	210	50.73	19	24.41	155	17.04	1.80	12	3	.07	.5	.3	SSCL	1.9X	2	147	1
97	JAN	31	212	11.02	19	25.88	155	1.92	8.72	13	3	.08	1.2	1.3	SF5	1.8X	2	140	6
97	JAN	31	213	39.61	19	22.21	155	9.34	1.65	14	3	.05	.4	.2	SER	1.7X	1	106	1
97	JAN	31	257	36.89	19	21.28	155	15.16	2.09	17	5	.08	.3	.5	KOA	2.0X	2	144	2
97	JAN	31	310	59.06	19	22.20	155	0.22	8.75	19	4	.10	1.0	.6	SF5	1.5X	2	179	6
97	JAN	31	316	22.98	19	25.64	155	18.36	5.14	10	3	.11	1.8	.7	INTL	1.9X	1	313	1
97	JAN	31	323	35.88	19	24.63	155	16.35	2.41	13	3	.12	.5	.4	SNCL	1.8X	2	93	1
97	JAN	31	355	19.80	19	24.41	155	16.21	0.80	11	3	.12	.2	.6	SECL	2.4X	1	88	1
97	JAN	31	355	45.19	19	22.17	155	8.31	3.44	8	2	.07	1.0	.5	SER	2.2X	2	147	2
97	JAN	31	405	17.04	19	24.89	155	16.36	1.77	14	4	.11	.5	.3	SNCL	2.0X	3	132	1
97	JAN	31	407	40.37	19	23.74	155	18.62	0.49	19	5	.13	.2	.5	SSCL	2.4X	3	82	3
97	JAN	31	410	23.13	19	24.47	155	16.02	4.08	18	4	.12	.5	.4	SECL	2.4X	1	92	1
97	JAN	31	428	39.39	19	19.25	155	11.80	8.53	29	7	.18	.9	1.2	SF3	2.7X	2	136	6
97	JAN	31	434	14.89	19	27.12	155	30.09	14.04	18	3	.11	.5	1.0	DML	1.9X	1	61	6
97	JAN	31	435	34.85	19	23.56	155	18.07	2.84	13	4	.11	.8	.5	SSCL	1.8X	3	210	2
97	JAN	31	508	51.08	19	26.27	155	15.21	1.80	17	5	.08	.4	.5	SNCL	2.0X	2	171	3
97	JAN	31	520	15.78	19	24.81	155	17.04	1.86	27	6	.12	.3	.1	SNCL	2.5X	2	71	0
97	JAN	31	524	43.67	19	24.87	155	16.29	0.83	11	4	.08	.2	.6	SNCL	1.5X	3	161	1
97	JAN	31	541	20.61	19	24.84	155	16.82	1.76	13	3	.15	.5	.3	SNCL	2.0X	2	91	0
97	JAN	31	542	24.93	19	25.13	155	18.63	2.43	9	2	.05	1.0	.6	SNCL	1.7X	3	257	2
97	JAN	31	547	2.43	19	24.86	155	17.35	2.29	12	2	.07	.4	.2	SNCL	2.5X	1	80	1
97	JAN	31	559	12.81	19	24.55	155	16.86	2.38	10	2	.13	.7	.6	SNCL	2.0X	3	137	1
97	JAN	31	603	1.51	19	24.85	155	15.67	0.03	13	2	.21	.4	.8	SNCL#	2.9D	1	115	2
97	JAN	31	632	21.55	19	24.70	155	17.39	1.92	10	2	.12	.9	.3	SNCL	1.5X	3	183	1
97	JAN	31	632	42.84	19	25.20	155	16.72	3.91	13	5	.12	.7	.5	SNCL	1.7X	3	102	1
97	JAN	31	641	28.16	19	22.30	155	9.10	2.25	16	3	.09	.5	.3	SER	1.8X	2	105	1
97	JAN	31	646	44.67	19	24.70	155	16.80	1.77	11	2	.15	.6	.3	SNCL	2.0X	1	88	1
97	JAN	31	654	30.56	19	23.25	155	16.99	3.61	18	5	.11	.5	.3	SSC	1.9X	2	68	0
97	JAN	31	701	16.16	19	22.05	155	17.80	2.16	13	5	.12	.9	.7	SSCL	1.9X	3	255	3
97	JAN	31	737	17.98	19	24.46	155	16.71	1.82	12	2	.10	.4	.2	SSCL	2.4X	1	84	1
97	JAN	31	746	49.55	19	23.62	155	15.45	1.48	15	4	.11	.3	.4	SECL	2.1X	3	92	2

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	JAN	31	753	36.47	19	24.39	155	16.29	1.61	17	5	.12	.3	.3	SECL	2.0X	3	96	1
97	JAN	31	758	4.65	19	24.91	155	16.41	1.60	12	3	.11	.3	.4	SNCL	1.9X	3	101	1
97	JAN	31	826	45.03	19	23.66	155	15.43	1.11	12	3	.06	.3	.4	SEC	1.7X	2	94	2
97	JAN	31	850	0.63	19	23.83	155	18.11	0.69	18	5	.14	.2	.4	SSCL	2.6X	2	79	2
97	JAN	31	852	20.51	19	23.73	155	17.45	1.46	13	4	.14	.5	.4	SSCL	2.3X	1	143	1
97	JAN	31	901	55.11	19	25.31	155	15.20	2.45	15	3	.11	.4	.6	SNCL	2.6X	1	156	2
97	JAN	31	902	30.15	19	24.48	155	16.21	0.36	12	4	.08	.2	.3	SECL	2.2X	1	90	1
97	JAN	31	912	5.52	19	22.04	155	9.29	2.77	12	3	.06	.5	.3	SER	1.8X	2	111	1
97	JAN	31	913	5.00	19	22.06	155	9.39	2.70	14	3	.08	.5	.3	SER	1.7X	2	102	1
97	JAN	31	918	10.17	19	23.59	155	16.02	1.49	25	5	.11	.2	.2	SEC	2.4X	1	63	1
97	JAN	31	922	37.49	19	22.15	155	9.32	1.70	11	3	.06	.5	.3	SER	2.0X	2	114	1
97	JAN	31	1002	56.77	19	26.77	155	17.32	3.29	9	3	.11	1.5	.7	SNCL	2.0X	2	295	3
97	JAN	31	1010	21.88	19	24.56	155	16.34	0.38	12	2	.13	.2	.5	SNCL	2.1X	2	91	1
97	JAN	31	1021	4.00	19	24.23	155	16.30	6.78	12	3	.08	1.0	1.0	INTL	2.3X	3	92	1
97	JAN	31	1040	59.30	19	20.89	155	15.69	1.53	13	3	.07	.3	.5	KOA	1.7X	2	170	3
97	JAN	31	1044	15.07	19	24.60	155	15.37	1.33	17	4	.13	.3	.4	SNCL	2.5X	2	106	2
97	JAN	31	1049	17.32	19	5.96	156	23.82	37.17	29	5	.10	1.5	2.3	DIS	2.5X	1	310	58
97	JAN	31	1115	8.90	19	24.57	155	16.87	2.47	13	4	.12	.5	.2	SNCL	1.8X	1	107	1
97	JAN	31	1139	28.61	19	21.77	155	10.47	1.33	12	2	.09	.4	.2	SER	1.9X	2	104	1
97	JAN	31	1208	42.51	19	20.88	155	16.74	1.52	15	4	.07	.4	.3	KOA	2.4X	2	133	2
97	JAN	31	1209	4.49	19	24.86	155	16.60	6.43	12	4	.13	1.1	1.2	INTL	2.2X	2	95	1
97	JAN	31	1214	18.68	19	21.94	155	9.26	2.70	12	3	.10	.5	.3	SER	1.9X	2	113	1
97	JAN	31	1249	11.65	19	24.47	155	17.23	2.07	11	3	.09	.6	.4	SSCL	1.7X	3	157	1
97	JAN	31	1254	13.95	19	24.28	155	17.15	2.64	12	2	.06	.5	.3	SSCL	1.9X	2	131	1
97	JAN	31	1310	20.01	19	24.27	155	16.61	0.01	14	2	.17	.3	.3	SSCL#	2.4X	1	80	1
97	JAN	31	1320	50.37	19	20.87	155	16.91	1.37	32	6	.13	.3	.3	KOA	2.8X	1	100	2
97	JAN	31	1324	46.17	19	20.70	155	16.57	1.04	35	8	.12	.3	.3	KOA	2.7X	2	104	2
97	JAN	31	1357	25.67	19	24.25	155	16.91	1.76	14	4	.09	.4	.3	SSCL	1.6X	2	94	1
97	JAN	31	1408	8.19	19	25.97	155	15.12	1.84	40	9	.10	.2	.3	SNCF	3.3X	2	107	3
97	JAN	31	1420	2.63	19	24.66	155	17.52	2.34	13	2	.13	.6	.2	SNCL	2.0X	2	84	1
97	JAN	31	1441	22.58	19	24.41	155	16.99	1.49	12	3	.08	.4	.3	SSCL	1.9X	2	127	1
97	JAN	31	1444	33.47	19	25.47	155	15.51	1.64	9	3	.10	.4	.9	SNCL	2.0X	1	150	3
97	JAN	31	1451	39.87	19	25.27	155	16.39	1.33	10	2	.13	.5	.7	SNCL	1.5X	2	112	1
97	JAN	31	1454	12.86	19	25.21	155	16.54	2.17	10	2	.15	.7	.7	SNCL	1.8X	3	183	1
97	JAN	31	1504	51.39	19	24.37	155	16.74	1.77	16	5	.11	.3	.2	SSCL	2.1X	2	82	1
97	JAN	31	1514	24.27	19	24.98	155	16.52	1.87	14	3	.11	.4	.3	SNCL	1.6X	2	101	1
97	JAN	31	1514	26.82	19	25.67	155	16.44	2.91	13	4	.10	.8	.3	SNCL	2.0X	1	219	2
97	JAN	31	1514	56.50	19	24.59	155	16.69	2.05	13	4	.11	.5	.3	SNCL	1.8X	2	122	1
97	JAN	31	1518	28.97	19	26.89	155	14.55	0.95	33	7	.18	.3	.4	SNCF	2.7X	1	136	4
97	JAN	31	1520	8.71	19	25.26	155	17.23	2.84	11	4	.06	.8	.4	SNCL	1.4X	3	168	1
97	JAN	31	1520	30.71	19	25.26	155	17.34	3.41	14	4	.06	.7	.3	SNCL	1.7X	3	161	1
97	JAN	31	1520	46.05	19	24.17	155	17.27	5.20	12	4	.05	.9	1.0	INTL	1.7X	3	164	1
97	JAN	31	1559	32.87	19	25.82	155	17.14	3.42	8	2	.12	1.7	.6	SNCL	1.8X	2	247	1
97	JAN	31	1610	16.12	19	24.27	155	16.71	1.39	10	4	.08	.4	.3	SSCL	1.7X	3	160	1
97	JAN	31	1621	1.33	19	24.33	155	17.23	1.85	14	4	.11	.5	.3	SSCL	2.0X	3	107	1

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	JAN	31	1631	20.44	19	24.66	155	16.53	1.54	13	4	.17	.4	.4	SNCL	1.7X	2	142	1
97	JAN	31	1641	14.59	19	15.60	155	23.02	5.95	15	2	.06	.7	1.6	SWR	1.8X	1	157	3
97	JAN	31	1708	52.68	19	24.27	155	16.29	0.82	11	3	.12	.3	.6	SECL	1.6X	3	124	1
97	JAN	31	1711	57.55	19	24.74	155	15.82	0.42	15	4	.16	.2	.5	SNCL	2.2X	2	107	2
97	JAN	31	1714	0.23	19	25.20	155	16.59	2.07	17	4	.09	.3	.2	SNCL	2.2X	2	104	1
97	JAN	31	1714	11.28	19	24.79	155	16.76	2.34	17	5	.12	.4	.3	SNCL	2.5X	2	91	0
97	JAN	31	1718	41.45	19	24.28	155	16.72	2.19	17	5	.13	.4	.3	SSCL	2.2X	2	80	1
97	JAN	31	1725	49.28	19	24.58	155	16.61	2.41	12	5	.09	.5	.5	SNCL	1.3X	4	136	1
97	JAN	31	1803	37.13	19	24.81	155	16.34	0.60	17	5	.07	.2	.3	SNCL	2.0X	4	139	1
97	JAN	31	1810	10.71	19	24.46	155	16.92	1.99	13	3	.13	.5	.2	SSCL	2.0X	2	93	1
97	JAN	31	1822	22.67	19	24.96	155	15.97	2.10	10	1	.09	.4	.7	SNCL	2.1X	2	113	2
97	JAN	31	1827	9.26	19	26.12	155	15.93	0.03	10	2	.14	.5	.8	SNCL#	1.5X	2	204	3
97	JAN	31	1827	41.54	19	24.90	155	17.21	4.16	10	3	.11	1.4	.5	SNCL	1.8X	3	140	0
97	JAN	31	1832	19.93	19	25.47	155	15.93	2.05	11	4	.06	.5	.5	SNCL	2.1X	3	181	2
97	JAN	31	1842	37.97	19	24.68	155	16.64	1.35	14	4	.07	.3	.2	SNCL	2.1X	3	140	1
97	JAN	31	1908	22.83	19	24.55	155	16.49	1.63	15	4	.07	.4	.2	SNCL	2.1X	2	89	1
97	JAN	31	1919	57.64	19	25.15	155	16.71	1.39	16	4	.08	.3	.2	SNCL	1.7X	2	101	1
97	JAN	31	1920	8.53	19	25.17	155	16.38	0.76	14	3	.11	.2	.4	SNCL	1.7X	3	110	1
97	JAN	31	1923	45.54	19	25.05	155	16.34	1.12	18	4	.11	.2	.3	SNCL	1.8X	3	106	1
97	JAN	31	1933	24.05	19	24.86	155	17.13	2.60	13	4	.08	.6	.2	SNCL	1.5X	4	136	0
97	JAN	31	2013	33.71	19	25.80	155	15.61	2.46	15	4	.06	.3	.5	SNCL	1.9X	4	151	3
97	JAN	31	2016	4.46	19	24.80	155	16.50	1.88	19	6	.11	.3	.2	SNCL	1.8X	5	96	1
97	JAN	31	2023	20.19	19	25.15	155	16.80	1.80	14	4	.13	.4	.3	SNCL	1.6X	3	99	1
97	JAN	31	2031	5.58	19	25.06	155	16.39	1.40	10	1	.08	.5	.5	SNCL	2.1X	2	105	1
97	JAN	31	2037	6.40	19	24.97	155	17.20	2.23	12	1	.11	.5	.3	SNC	2.0X	2	87	0
97	JAN	31	2057	11.45	19	24.46	155	17.48	3.27	10	2	.10	1.1	.4	SSCL	1.8X	3	200	1
97	JAN	31	2105	15.96	19	24.40	155	16.78	1.10	9	1	.11	.4	.3	SSCL	1.3X	3	134	1
97	JAN	31	2105	41.47	19	24.09	155	15.56	1.00	13	4	.05	.2	.4	SECL	1.4X	1	118	2
97	JAN	31	2118	31.13	19	24.61	155	16.24	2.17	14	3	.07	.3	.3	SNCL	1.8X	2	94	1
97	JAN	31	2122	32.08	19	24.83	155	16.99	2.12	12	3	.12	.5	.2	SNCL	1.5X	3	88	0
97	JAN	31	2122	51.90	19	25.28	155	16.64	4.26	12	4	.09	.6	.5	SNCL	2.0X	2	105	1
97	JAN	31	2123	11.32	19	24.73	155	17.37	2.62	15	3	.11	.5	.3	SNCL	1.9X	2	81	1
97	JAN	31	2139	6.85	19	25.42	155	17.34	3.30	15	4	.11	.6	.3	SNCL	2.3X	2	90	0
97	JAN	31	2142	4.41	19	25.33	155	16.69	1.37	15	5	.09	.3	.2	SNCL	2.0X	3	106	1
97	JAN	31	2143	31.27	19	24.88	155	17.17	1.88	14	3	.10	.4	.2	SNCL	2.3X	1	78	0
97	JAN	31	2151	4.71	19	24.93	155	16.61	1.63	15	4	.09	.3	.3	SNCL	2.1X	1	97	1
97	JAN	31	2151	30.60	19	25.58	155	16.75	0.02	13	4	.09	.2	.4	SNCL#	2.1X	2	110	1
97	JAN	31	2155	8.37	19	24.85	155	18.37	3.43	12	3	.13	.8	.4	SNCL	2.4X	2	185	2
97	JAN	31	2202	25.99	19	25.41	155	17.58	3.18	11	2	.07	.6	.2	SNCL	2.0X	3	84	0
97	JAN	31	2204	44.46	19	24.57	155	18.32	2.06	10	1	.11	.6	.6	SNCL			156	2
97	JAN	31	2208	12.87	19	25.03	155	16.57	1.27	13	2	.09	.3	.2	SNCL	2.1X	1	101	1
97	JAN	31	2208	49.43	19	24.76	155	16.27	1.22	14	4	.12	.4	.3	SNCL	2.2X	2	99	1
97	JAN	31	2215	21.29	19	24.47	155	16.71	0.93	11	3	.09	.2	.3	SSCL	1.6X	1	118	1
97	JAN	31	2218	42.11	19	24.84	155	16.96	2.10	14	3	.09	.4	.2	SNCL	2.0X	2	88	0
97	JAN	31	2219	53.19	19	24.44	155	16.48	1.17	10	3	.07	.3	.4	SECL	1.5X	3	129	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
97	JAN	31	2220	29.77	19	24.51	155	16.95	2.93	10	2	.09	.9	.5	SSCL	2.0X	2	133	1
97	JAN	31	2223	43.24	19	25.69	155	17.08	1.61	11	2	.08	.5	.3	SNCL	1.9X	2	101	1
97	JAN	31	2223	59.76	19	23.55	155	16.48	2.74	12	3	.04	.5	.3	SECL	2.0X	2	95	1
97	JAN	31	2229	29.05	19	25.54	155	16.53	1.05	10	1	.08	.3	.5	SNCL	1.9X	2	115	1
97	JAN	31	2230	51.73	19	25.14	155	17.58	1.83	14	3	.07	.4	.2	SNCL	2.3X	1	82	0
97	JAN	31	2232	25.22	19	25.26	155	16.44	0.58	19	7	.14	.3	.3	SNCL	2.4X	2	108	1
97	JAN	31	2237	44.56	19	25.18	155	17.25	2.40	17	5	.12	.5	.2	SNCL	2.3X	2	89	1
97	JAN	31	2300	10.20	19	24.87	155	17.09	2.67	11	3	.09	.5	.3	SNCL	2.0X	3	115	0
97	JAN	31	2303	23.00	19	24.47	155	16.08	2.79	11	2	.09	.3	.5	SECL	1.7X	3	91	1
97	JAN	31	2310	3.60	19	25.18	155	16.70	1.26	11	2	.10	.4	.3	SNCL	1.7X	2	102	1
97	JAN	31	2316	34.41	19	25.97	155	17.17	2.81	14	3	.13	.7	.4	SNCL	2.1X	2	101	1
97	JAN	31	2317	50.68	19	25.08	155	16.71	1.00	15	5	.17	.4	.3	SNCL	2.0X	2	100	1
97	JAN	31	2318	14.74	19	25.31	155	16.56	1.80	11	2	.11	.6	.4	SNCL	2.0X	2	108	1
97	JAN	31	2332	4.17	19	23.88	155	18.45	2.67	9	3	.07	.9	.8	SSCL	1.9X	2	266	3
97	FEB	1	17	19.29	19	25.66	155	16.57	2.26	19	6	.09	.3	.3	SNCL	1.5X	2	116	2
97	FEB	1	18	56.39	19	25.74	155	16.52	0.02	23	9	.11	.2	.3	SNCL	1.9X	7	121	2
97	FEB	1	28	48.83	19	23.89	155	17.31	1.76	19	5	.13	.4	.2	SSCL	1.5X	4	82	1
97	FEB	1	36	14.79	19	24.87	155	16.90	3.22	18	5	.14	.5	.3	SNCL	1.8X	4	90	0
97	FEB	1	40	35.32	19	24.67	155	16.83	2.98	14	4	.11	.6	.3	SNCL	1.7X	3	124	1
97	FEB	1	41	1.92	19	24.75	155	17.34	3.04	13	4	.09	.6	.3	SNCL	1.7X	3	148	1
97	FEB	1	41	49.44	19	25.22	155	17.04	1.99	17	5	.10	.4	.2	SNCL	1.7X	4	97	1
97	FEB	1	42	10.99	19	24.27	155	17.33	2.97	17	5	.09	.5	.3	SSCL	1.9X	4	125	1
97	FEB	1	44	44.86	19	24.51	155	15.73	0.21	13	4	.13	.2	.6	SECL	1.6X	3	97	2
97	FEB	1	44	58.62	19	25.15	155	16.32	0.08	13	4	.12	.2	.6	SNCL	1.5X	2	110	1
97	FEB	1	45	11.93	19	24.36	155	17.92	1.53	13	4	.10	.6	.3	SSCL	1.8X	4	185	2
97	FEB	1	120	5.79	19	14.87	155	26.54	8.50	31	2	.09	.5	.7	LSW	1.6X	3	151	5
97	FEB	1	153	7.06	19	24.61	155	17.10	2.51	17	4	.09	.4	.2	SNCL	1.7X	4	78	1
97	FEB	1	157	41.06	19	25.01	155	16.68	3.24	14	4	.11	.6	.4	SNCL	1.9X	4	98	1
97	FEB	1	202	50.02	19	25.43	155	16.57	1.77	19	6	.12	.4	.2	SNCL	1.8X	5	111	1
97	FEB	1	203	33.64	19	21.92	155	9.75	1.36	21	3	.09	.4	.2	SER	1.9X	3	87	0
97	FEB	1	229	52.38	19	24.84	155	16.67	2.42	15	5	.10	.5	.3	SNCL	1.5X	3	148	1
97	FEB	1	237	39.90	19	24.34	155	16.12	1.12	16	5	.11	.2	.4	SECL	1.7X	4	86	1
97	FEB	1	258	32.22	19	24.70	155	16.92	2.12	17	5	.13	.4	.2	SNCL	1.6X	3	86	0
97	FEB	1	301	7.93	19	24.53	155	16.57	1.98	19	5	.12	.4	.2	SSCL	1.9X	4	86	1
97	FEB	1	317	18.44	19	25.01	155	16.43	1.53	14	4	.11	.3	.3	SNCL	1.7X	3	103	1
97	FEB	1	404	3.04	19	24.77	155	17.07	1.84	14	4	.08	.4	.2	SNCL	1.2X	3	77	0
97	FEB	1	404	16.06	19	24.90	155	15.93	0.10	3210		.13	.1	.2	SNCL	2.2X	4	106	2
97	FEB	1	405	20.25	19	25.76	155	16.84	3.10	12	4	.06	.8	.6	SNCL	1.3X	3	230	1
97	FEB	1	405	33.29	19	24.79	155	15.94	2.30	15	5	.08	.4	.5	SNCL	2.3X	3	150	2
97	FEB	1	411	13.23	19	24.97	155	16.79	2.00	12	4	.08	.5	.4	SNCL	.9X	2	95	0
97	FEB	1	411	17.06	19	25.44	155	16.66	3.01	13	4	.09	.6	.5	SNCL	1.4X	4	108	1
97	FEB	1	420	3.04	19	25.08	155	16.38	1.89	16	5	.11	.3	.4	SNCL	2.0X	3	107	1
97	FEB	1	420	25.36	19	24.73	155	16.50	1.11	14	4	.10	.3	.3	SNCL	1.3X	3	94	1
97	FEB	1	420	43.06	19	25.53	155	16.16	2.95	14	4	.07	.4	.4	SNCL	1.5X	3	128	2
97	FEB	1	420	51.87	19	25.13	155	16.35	0.78	15	4	.11	.2	.5	SNCL	1.8X	3	109	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
97	FEB	1	427	53.90	19	24.75	155	17.80	0.80	12	4	.09	.3	.4	SNCL	1.1X	3	168	1
97	FEB	1	428	8.62	19	24.73	155	16.01	0.64	12	4	.10	.2	.5	SNCL	.9X	2	157	2
97	FEB	1	428	17.87	19	25.22	155	16.35	0.86	14	4	.09	.2	.5	SNCL	1.6X	2	111	1
97	FEB	1	444	2.69	19	23.26	155	16.44	6.31	12	4	.14	1.2	1.5	INTL	1.5X	3	135	1
97	FEB	1	444	9.09	19	23.58	155	16.76	2.18	12	4	.09	.6	.3	SSCL	1.6X	4	96	0
97	FEB	1	449	33.05	19	24.72	155	17.13	1.60	30	9	.11	.3	.1	SNCL	2.3X	3	55	0
97	FEB	1	453	13.10	19	24.87	155	16.64	1.72	20	8	.11	.3	.2	SNCL	2.1X	4	94	1
97	FEB	1	456	23.89	19	24.58	155	16.58	1.74	14	4	.08	.3	.3	SNCL	1.8X	4	111	1
97	FEB	1	505	5.04	19	24.66	155	16.30	2.06	11	4	.05	.4	.5	SNCL	1.4X	4	147	1
97	FEB	1	505	18.55	19	25.10	155	16.69	1.52	12	4	.06	.4	.3	SNCL	1.1X	3	170	1
97	FEB	1	505	31.99	19	25.25	155	16.40	0.65	12	4	.09	.3	.5	SNCL#	1.1X	4	188	1
97	FEB	1	506	55.55	19	24.61	155	16.00	2.42	11	4	.07	.3	.6	SNCL	1.2X	2	98	2
97	FEB	1	507	6.51	19	24.69	155	16.76	1.92	12	4	.09	.5	.3	SNCL	1.5X	2	124	1
97	FEB	1	507	35.47	19	24.53	155	16.51	0.92	12	4	.10	.3	.4	SSCL	1.7X	3	109	1
97	FEB	1	516	58.65	19	24.65	155	16.03	0.08	12	4	.06	.2	.5	SNCL	1.3X	3	144	2
97	FEB	1	531	40.66	19	25.63	155	15.97	2.09	9	2	.13	.6	.9	SNCL	1.7X	2	187	2
97	FEB	1	533	27.89	19	24.78	155	17.43	2.15	11	2	.10	.7	.3	SNCL	1.8X	3	152	1
97	FEB	1	533	49.35	19	24.80	155	16.08	2.00	9	2	.07	.4	.7	SNCL	1.4X	2	104	2
97	FEB	1	538	29.64	19	24.15	155	17.05	2.13	11	3	.09	.6	.3	SSCL	1.5X	3	143	1
97	FEB	1	548	47.97	19	24.25	155	18.24	2.45	9	2	.12	1.0	.8	SSCL	1.6X	3	197	2
97	FEB	1	549	2.83	19	24.58	155	17.05	1.25	9	2	.08	.6	.3	SNCL	1.4X	3	175	1
97	FEB	1	559	56.55	19	25.14	155	16.77	1.51	12	2	.12	.5	.3	SNCL	2.0X	2	100	1
97	FEB	1	600	11.80	19	25.11	155	17.07	2.27	12	2	.09	.5	.2	SNCL	2.4X	1	92	0
97	FEB	1	601	31.64	19	24.85	155	16.72	0.59	11	4	.08	.3	.3	SNCL	1.7X	3	147	0
97	FEB	1	603	31.43	19	24.10	155	17.92	1.59	12	3	.10	.5	.3	SSCL	2.2X	2	186	2
97	FEB	1	608	21.79	19	25.11	155	16.48	1.55	15	4	.11	.3	.4	SNCL	1.2X	4	105	1
97	FEB	1	608	34.27	19	25.54	155	16.49	2.39	13	4	.09	.4	.5	SNCL	1.7X	4	116	1
97	FEB	1	608	58.31	19	25.26	155	17.14	1.78	15	4	.11	.5	.2	SNCL	2.0X	4	97	1
97	FEB	1	615	9.02	19	25.86	155	16.12	0.27	9	2	.15	.7	1.0	SNCL	1.1X	1	232	2
97	FEB	1	615	21.67	19	24.59	155	16.93	2.05	8	1	.09	.6	.4	SNCL	1.7X	3	141	1
97	FEB	1	616	52.01	19	25.20	155	16.35	1.30	9	1	.12	.6	.8	SNCL	1.3X	3	111	1
97	FEB	1	623	54.01	19	25.03	155	16.71	1.58	12	2	.08	.3	.2	SNCL	2.1X	2	98	1
97	FEB	1	630	26.83	19	25.23	155	16.25	1.08	13	4	.07	.2	.5	SNCL	1.3X	4	115	1
97	FEB	1	631	8.92	19	24.68	155	18.46	0.02	11	2	.09	.2	.7	SNCL#	1.7X	3	98	2
97	FEB	1	638	4.45	19	24.85	155	16.46	1.35	11	2	.10	.3	.4	SNCL	1.6X	3	98	1
97	FEB	1	638	42.28	19	24.25	155	16.50	1.43	10	3	.10	.4	.4	SECL	1.2X	2	114	1
97	FEB	1	638	56.24	19	24.45	155	16.31	1.28	8	2	.07	.3	.5	SECL	1.9X	1	135	1
97	FEB	1	644	8.45	19	23.84	155	16.34	2.53	8	1	.11	.4	.3	SECL	1.8X	2	96	0
97	FEB	1	644	33.26	19	24.25	155	16.91	1.59	11	2	.09	.4	.3	SSCL	2.1X	2	86	1
97	FEB	1	649	37.46	19	25.00	155	17.13	1.59	10		.05	.5	.3	SNCL	2.0X	2	88	0
97	FEB	1	649	57.69	19	24.63	155	16.10	0.02	10	2	.10	.2	.5	SNCL#	1.8X	1	149	2
97	FEB	1	650	9.30	19	24.94	155	16.14	0.59	11	2	.12	.3	.7	SNCL	1.5X	2	108	2
97	FEB	1	652	20.54	19	24.46	155	16.91	2.68	11	2	.19	.9	.5	SSCL	1.7X	2	130	1
97	FEB	1	652	31.76	19	24.73	155	16.92	2.52	9	2	.08	.7	.4	SNCL	1.8X	2	158	0
97	FEB	1	652	46.24	19	25.45	155	16.99	2.91	11	2	.09	.8	.3	SNCL	1.6X	2	99	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
97	FEB	1	653	8.72	19	24.03	155	16.36	1.03	8	2	.06	.3	.4	SECL	1.9X	2	106	0
97	FEB	1	656	3.41	19	25.17	155	16.27	0.02	13	4	.10	.2	.6	SNCL#	1.9X	3	112	1
97	FEB	1	656	35.92	19	24.95	155	16.53	2.91	14	4	.10	.5	.4	SNCL	1.5X	2	99	1
97	FEB	1	702	10.98	19	24.32	155	17.02	1.56	11	2	.08	.5	.3	SSCL	1.4X	2	98	1
97	FEB	1	702	31.54	19	24.46	155	17.08	1.90	8	1	.06	.8	.3	SSCL	1.2X	2	193	1
97	FEB	1	702	47.06	19	25.17	155	16.71	1.36	11	3	.11	.6	.5	SNCL	1.6X	2	102	1
97	FEB	1	703	34.20	19	24.34	155	16.93	1.76	13	3	.11	.4	.3	SSCL	1.6X	2	79	1
97	FEB	1	703	51.06	19	24.77	155	17.17	1.90	9	1	.06	.4	.2	SNCL	1.7X	2	96	0
97	FEB	1	707	24.13	19	24.22	155	16.74	1.97	12	3	.09	.5	.3	SSCL	1.4X	2	97	1
97	FEB	1	707	30.42	19	24.74	155	15.83	0.02	11	1	.11	.3	.6	SNCL#	2.0X	2	106	2
97	FEB	1	713	43.87	19	24.39	155	16.80	1.77	14	4	.08	.4	.2	SSCL	1.5X	3	81	1
97	FEB	1	714	32.19	19	25.04	155	15.60	0.21	13	4	.10	.3	.6	SNCL	1.5X	4	126	2
97	FEB	1	724	28.27	19	24.19	155	16.96	1.99	17	4	.11	.4	.2	SSCL	2.2X	2	77	1
97	FEB	1	724	49.40	19	23.57	155	20.02	0.58	7	1	.10	1.1	.9	KAOL	2.2X	2	291	5
97	FEB	1	733	7.03	19	24.21	155	17.11	1.96	9	2	.11	.8	.4	SSCL	1.4X	3	171	1
97	FEB	1	733	29.68	19	24.51	155	16.68	0.78	9	1	.05	.3	.4	SSCL	1.5X	2	122	1
97	FEB	1	733	56.59	19	25.00	155	15.73	3.18	9	2	.11	.8	1.1	SNCL	1.8X	2	180	2
97	FEB	1	736	59.77	19	25.17	155	16.40	1.84	10	1	.08	.5	.4	SNCL	1.5X	2	109	1
97	FEB	1	737	8.53	19	24.85	155	16.29	0.03	11	2	.14	.3	.6	SNCL#	1.9X	2	102	1
97	FEB	1	737	16.69	19	24.89	155	16.68	1.95	9	2	.08	.4	.5	SNCL	2.0X	1	95	1
97	FEB	1	737	34.88	19	24.54	155	17.09	2.76	10	2	.10	.9	.5	SSCL	1.8X	3	159	1
97	FEB	1	739	13.47	19	24.65	155	16.99	1.94	10	2	.08	.7	.3	SNCL	2.0X	2	133	0
97	FEB	1	739	31.44	19	24.53	155	16.70	2.19	11	3	.10	.6	.3	SSCL	1.8X	2	123	1
97	FEB	1	743	45.03	19	24.66	155	17.35	2.26	14	4	.11	.7	.3	SNCL	1.2X	3	151	1
97	FEB	1	744	2.57	19	24.95	155	16.74	2.02	12	2	.07	.4	.3	SNCL	1.9X	3	95	0
97	FEB	1	748	34.22	19	24.97	155	16.46	2.53	11	4	.07	.5	.6	SNCL	1.0X	3	166	1
97	FEB	1	748	44.03	19	24.65	155	17.02	1.22	11	4	.08	.4	.3	SNCL	1.3X	3	148	0
97	FEB	1	749	2.95	19	24.60	155	16.41	0.45	11	4	.10	.2	.5	SNCL	1.5X	3	141	1
97	FEB	1	749	20.09	19	24.32	155	15.86	0.80	11	4	.21	.4	.9	SECL	1.4X	4	131	1
97	FEB	1	749	32.14	19	24.58	155	16.35	1.44	11	4	.05	.3	.4	SNCL	1.3X	3	141	1
97	FEB	1	749	54.62	19	24.70	155	16.76	2.00	12	5	.08	.4	.4	SNCL	1.4X	4	138	1
97	FEB	1	750	21.90	19	24.35	155	16.57	1.03	10	4	.09	.3	.4	SSCL	1.5X	3	117	1
97	FEB	1	751	9.99	19	24.63	155	16.46	0.26	14	4	.11	.2	.4	SNCL	1.7X	4	91	1
97	FEB	1	751	41.22	19	24.76	155	16.33	0.38	17	5	.10	.2	.4	SNCL	1.9X	2	98	1
97	FEB	1	753	14.06	19	24.80	155	16.65	0.19	18	5	.11	.2	.3	SNCL	1.9X	4	93	1
97	FEB	1	753	36.13	19	24.60	155	15.75	1.59	16	4	.13	.3	.5	SNCL	1.8X	3	101	2
97	FEB	1	758	17.61	19	24.79	155	16.86	1.25	12	2	.13	.5	.2	SNCL	1.9X	2	89	0
97	FEB	1	800	14.86	19	24.80	155	15.86	1.73	11	2	.15	.4	.7	SNCL	2.0X	2	108	2
97	FEB	1	800	24.11	19	24.62	155	16.98	0.76	10	1	.07	.3	.3	SNCL	2.5X	1	89	1
97	FEB	1	801	9.13	19	24.60	155	16.53	1.06	8	2	.05	.3	.4	SNCL	2.1X	2	138	1
97	FEB	1	806	0.33	19	25.10	155	18.53	2.82	10	2	.18	2.0	.7	SNCL#	2.3X	2	255	2
97	FEB	1	806	15.36	19	24.98	155	16.24	1.47	9	2	.13	.5	.7	SNCL	1.6X	2	171	1
97	FEB	1	806	28.73	19	23.81	155	16.30	0.55	10	2	.14	.3	.4	SECL	1.9X	2	71	1
97	FEB	1	806	48.81	19	24.10	155	16.08	3.41	10	3	.10	.7	.9	SECL	1.6X	2	117	1
97	FEB	1	813	16.40	19	24.60	155	16.25	0.70	13	4	.07	.2	.4	SNCL	1.4X	4	94	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
97	FEB	1	813	29.52	19	24.92	155	16.14	1.50	13	4	.11	.3	.5	SNCL	1.3X	3	107	2
97	FEB	1	813	42.81	19	25.20	155	16.23	1.14	13	4	.05	.3	.4	SNCL	1.8X	3	114	1
97	FEB	1	818	2.78	19	24.95	155	16.20	1.11	12	4	.08	.3	.5	SNCL	1.2X	4	156	1
97	FEB	1	818	16.75	19	24.73	155	16.85	1.81	12	4	.09	.5	.2	SNCL	1.4X	2	131	0
97	FEB	1	818	33.80	19	24.31	155	16.25	0.93	12	4	.11	.2	.5	SECL	1.6X	3	127	1
97	FEB	1	818	53.09	19	24.68	155	16.86	3.97	12	4	.08	.7	.5	SNCL	1.9X	3	125	0
97	FEB	1	822	53.57	19	25.29	155	16.82	2.04	9	2	.08	.4	.3	SNCL	1.3X	3	101	1
97	FEB	1	822	59.92	19	24.58	155	16.32	0.55	10	3	.17	.3	.6	SNCL	1.2X	2	141	1
97	FEB	1	823	5.75	19	24.72	155	16.72	0.90	9	2	.09	.5	.3	SNCL	1.6X	2	142	1
97	FEB	1	825	15.61	19	24.58	155	16.30	0.77	9	2	.14	.3	.7	SNCL	1.4X	2	143	1
97	FEB	1	825	24.28	19	24.68	155	16.43	1.66	10	2	.07	.3	.4	SNCL	1.6X	2	93	1
97	FEB	1	825	28.89	19	23.94	155	16.07	1.94	10	2	.07	.3	.5	SECL	1.7X	1	107	1
97	FEB	1	825	48.03	19	24.45	155	16.31	1.26	9	2	.11	.3	.6	SECL	1.9X	2	134	1
97	FEB	1	835	38.21	19	24.82	155	16.86	4.86	12	4	.07	.8	.7	SNCL	1.4X	3	143	0
97	FEB	1	835	47.90	19	24.20	155	15.69	2.53	16	4	.13	.4	.4	SECL	1.4X	4	123	2
97	FEB	1	836	3.54	19	24.14	155	15.78	1.64	17	5	.11	.3	.4	SECL	2.0X	3	121	2
97	FEB	1	836	34.29	19	24.56	155	16.65	1.52	13	4	.08	.3	.2	SNCL	1.7X	4	129	1
97	FEB	1	843	13.73	19	24.31	155	17.19	1.90	17	4	.12	.4	.2	SSCL	2.0X	1	73	1
97	FEB	1	847	27.91	19	24.49	155	16.26	1.45	10	3	.08	.3	.5	SECL	1.6X	3	138	1
97	FEB	1	853	31.30	19	21.35	155	18.54	2.52	9	2	.07	1.7	.9	SWRL	1.6X	2	296	5
97	FEB	1	853	40.48	19	24.33	155	17.57	0.02	8	1	.12	.4	.8	SSCL#	1.7X	2	126	1
97	FEB	1	854	0.00	19	23.73	155	16.07	1.84	8	2	.15	.5	.7	SECL	1.7X	2	95	1
97	FEB	1	854	30.17	19	23.94	155	17.57	1.22	13	3	.15	.4	.4	SSCL	2.3X	2	102	2
97	FEB	1	901	6.23	19	24.83	155	16.33	1.03	10	3	.10	.3	.6	SNCL	1.2X	3	100	1
97	FEB	1	901	20.91	19	24.86	155	16.24	0.03	10	3	.16	.2	.8	SNCL#	1.5X	3	103	1
97	FEB	1	901	48.63	19	24.01	155	17.22	1.77	8	2	.09	.8	.4	SSCL	1.2X	1	189	1
97	FEB	1	905	9.22	19	24.72	155	16.05	1.08	12	4	.10	.3	.6	SNCL	.9X	3	156	2
97	FEB	1	905	22.14	19	24.59	155	16.03	0.44	11	4	.09	.3	.5	SNCL	1.3X	3	147	2
97	FEB	1	905	38.04	19	23.98	155	15.70	1.04	11	4	.08	.3	.5	SECL	1.4X	2	112	2
97	FEB	1	905	50.62	19	23.86	155	17.35	0.02	11	4	.08	.3	.5	SSCL#	1.4X	3	171	1
97	FEB	1	906	17.63	19	25.29	155	17.32	2.62	12	4	.08	.7	.3	SNCL	1.4X	3	169	1
97	FEB	1	906	22.67	19	24.93	155	16.45	0.99	12	4	.09	.3	.4	SNCL	1.5X	2	163	1
97	FEB	1	906	25.33	19	24.44	155	16.14	1.14	12	4	.09	.3	.4	SECL	1.7X	3	137	1
97	FEB	1	906	37.10	19	25.18	155	15.93	1.69	12	4	.09	.5	.6	SNCL	1.8X	3	190	2
97	FEB	1	906	54.83	19	24.12	155	18.23	1.35	12	4	.07	.6	.4	SSCL	1.6X	4	217	3
97	FEB	1	911	49.87	19	25.33	155	15.70	0.99	10	3	.07	.4	.8	SNCL	1.4X	2	203	2
97	FEB	1	911	53.41	19	23.95	155	17.25	1.48	12	2	.09	.4	.3	SSCL	1.9X	2	110	1
97	FEB	1	912	12.75	19	24.59	155	16.82	1.55	10	2	.08	.4	.3	SNCL	1.8X	2	131	1
97	FEB	1	932	44.08	19	25.00	155	17.07	2.11	12	1	.07	.4	.3	SNCL	1.7X	3	90	0
97	FEB	1	932	52.24	19	24.63	155	17.58	2.78	12	2	.12	.7	.3	SNCL	1.5X	3	139	1
97	FEB	1	933	35.88	19	24.56	155	16.89	1.49	12	3	.14	.5	.3	SNCL	1.5X	2	128	1
97	FEB	1	947	10.92	19	26.19	155	16.05	2.11	10	3	.10	.8	1.1	SNCL	1.3X	3	250	3
97	FEB	1	947	22.88	19	24.40	155	16.44	0.98	9	2	.09	.4	.5	SECL	1.3X	3	127	1
97	FEB	1	947	46.98	19	24.69	155	17.17	2.62	10	3	.08	.8	.3	SNCL	1.2X	2	161	0
97	FEB	1	951	34.57	19	23.64	155	18.09	5.30	10	3	.18	2.1	1.5	INTL	1.3X	2	254	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
97	FEB	1	951	45.68	19	24.44	155	16.69	1.63	13	3	.13	.4	.3	SSCL	1.9X	2	83	1
97	FEB	1	952	15.35	19	23.96	155	18.05	0.72	9	3	.13	.5	.9	SSCL	1.4X	2	258	2
97	FEB	1	959	38.97	19	24.51	155	16.92	2.86	10	3	.06	.4	.3	SSCL	1.8X	2	138	1
97	FEB	1	1005	27.76	19	25.77	155	16.17	3.61	9	2	.09	.5	1.0	SNCL	2.0X	3	135	2
97	FEB	1	1012	25.28	19	24.76	155	16.29	0.39	10	2	.10	.2	.6	SNCL	1.1X	3	98	1
97	FEB	1	1012	42.34	19	24.69	155	16.38	0.49	17	4	.11	.2	.4	SNCL	1.4X	4	95	1
97	FEB	1	1012	54.33	19	24.62	155	16.40	1.28	18	5	.10	.3	.2	SNCL	1.7X	4	92	1
97	FEB	1	1013	14.46	19	24.77	155	16.59	2.49	9	2	.10	.6	.8	SNCL	1.5X	2	148	1
97	FEB	1	1017	1.90	19	25.68	155	21.87	4.79	6		.16	17.5	12.8	KAOL-	2.2X	3	337	7
97	FEB	1	1017	38.15	19	24.55	155	16.40	1.52	10	2	.10	.6	.4	SNCL	1.9X	2	139	1
97	FEB	1	1024	21.89	19	24.51	155	16.90	1.88	10	2	.10	.5	.3	SSCL	1.6X	2	128	1
97	FEB	1	1025	3.61	19	24.78	155	17.33	2.02	13	2	.17	.6	.3	SNCL	1.9X	2	80	1
97	FEB	1	1030	9.28	19	24.85	155	16.30	1.43	9	2	.11	.4	.5	SNCL	1.5X	2	160	1
97	FEB	1	1032	24.00	19	25.15	155	17.45	3.60	9	2	.06	1.1	.6	SNCL	1.7X	3	167	1
97	FEB	1	1048	41.04	19	24.62	155	16.92	2.04	13	2	.10	.5	.3	SNCL	1.8X	2	84	1
97	FEB	1	1055	26.04	19	25.55	155	18.55	4.17	7	1	.12	3.3	.7	SNCL	1.5X	2	318	2
97	FEB	1	1101	46.35	19	24.24	155	16.69	1.00	15	4	.12	.3	.2	SSCL	1.4X	3	78	1
97	FEB	1	1101	49.96	19	24.67	155	16.19	0.81	17	4	.12	.2	.4	SNCL	1.6X	3	97	1
97	FEB	1	1101	58.15	19	23.86	155	17.77	0.30	15	5	.09	.2	.4	SSCL	1.7X	4	150	2
97	FEB	1	1102	4.98	19	23.06	155	18.36	2.16	14	5	.12	.7	.6	SSCL	2.0X	3	229	3
97	FEB	1	1102	21.42	19	24.57	155	16.90	1.01	17	5	.13	.4	.3	SNCL	2.0X	4	84	1
97	FEB	1	1102	31.40	19	25.20	155	15.67	0.89	18	7	.15	.3	.5	SNCL	2.2X	4	132	2
97	FEB	1	1106	37.93	19	24.49	155	16.03	0.38	9	1	.11	.3	.7	SECL	1.5X	2	93	1
97	FEB	1	1106	52.85	19	24.54	155	16.84	1.96	11	3	.12	.5	.3	SNCL	1.9X	1	108	1
97	FEB	1	1113	6.21	19	24.39	155	16.85	1.90	19	5	.11	.4	.2	SSCL	1.8X	3	80	1
97	FEB	1	1113	19.22	19	24.79	155	16.59	1.08	19	5	.11	.3	.3	SNCL	2.0X	3	93	1
97	FEB	1	1113	53.37	19	25.02	155	16.48	0.74	14	5	.10	.2	.4	SNCL	1.8X	4	102	1
97	FEB	1	1118	46.89	19	25.26	155	16.83	1.94	14	3	.13	.6	.3	SNCL	1.8X	2	100	1
97	FEB	1	1119	44.30	19	23.53	155	19.16	0.02	7	1	.12	1.2	.8	KAOL#	1.7X	2	288	4
97	FEB	1	1126	12.13	19	24.49	155	16.91	1.70	11	2	.07	.4	.3	SSCL	1.2X	3	96	1
97	FEB	1	1126	55.63	19	25.48	155	18.00	2.29	9	2	.07	1.4	.4	SNCL	1.9X	2	288	1
97	FEB	1	1127	15.45	19	24.80	155	15.59	4.08	9	2	.10	.8	1.4	SNCL	1.7X	2	114	2
97	FEB	1	1127	35.05	19	24.88	155	16.14	0.01	10	3	.08	.3	.5	SNCL#	1.8X	2	138	2
97	FEB	1	1133	32.68	19	24.54	155	19.06	0.37	8	2	.11	.8	1.1	KAOL	1.4X	3	293	3
97	FEB	1	1134	17.63	19	24.86	155	16.48	1.52	10	2	.10	.4	.5	SNCL	1.5X	2	98	1
97	FEB	1	1134	46.51	19	24.70	155	16.38	2.00	8	2	.06	.4	.8	SNCL	1.3X	2	148	2
97	FEB	1	1140	25.01	19	24.45	155	17.13	1.91	12	2	.09	.4	.3	SSCL	1.6X	2	100	1
97	FEB	1	1141	3.28	19	24.89	155	15.95	0.68	10	3	.05	.3	.7	SNCL	1.4X	3	169	2
97	FEB	1	1147	11.12	19	24.74	155	16.32	1.49	10	2	.12	.3	.4	SNCL	1.4X	2	152	1
97	FEB	1	1147	32.53	19	24.39	155	17.35	2.01	11	2	.09	.6	.3	SSCL	1.6X	2	113	1
97	FEB	1	1148	11.85	19	24.97	155	18.73	0.52	7	1	.05	.6	.7	SNCL	1.5X	2	294	2
97	FEB	1	1148	27.86	19	24.68	155	16.36	0.62	8	1	.08	.4	.6	SNCL	1.1X	3	148	1
97	FEB	1	1148	48.35	19	24.20	155	16.78	1.04	14	3	.19	.4	.3	SSCL	1.8X	2	77	1
97	FEB	1	1155	49.43	19	25.41	155	17.53	2.17	8	2	.08	1.0	.3	SNCL	1.1X	2	205	0
97	FEB	1	1157	27.84	19	24.88	155	16.77	1.99	16	4	.10	.4	.2	SNCL	1.8X	3	94	0

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
97	FEB	1	1203	59.66	19	25.32	155	16.19	0.16	12	2	.09	.2	.5	SNCL	1.3X	3	120	2
97	FEB	1	1204	2.66	19	24.99	155	16.92	4.50	11	2	.06	.7	.7	SNCL	1.9X	2	93	0
97	FEB	1	1208	34.82	19	25.02	155	16.53	1.41	23	10	.10	.3	.2	SNCL	2.1X	6	102	1
97	FEB	1	1214	20.74	19	25.04	155	16.65	1.93	19	5	.10	.3	.2	SNCL	2.0X	3	99	1
97	FEB	1	1214	34.38	19	24.92	155	16.09	0.86	17	4	.10	.2	.4	SNCL	1.8X	3	109	2
97	FEB	1	1215	25.50	19	25.06	155	16.53	1.31	12	2	.09	.4	.4	SNCL	1.7X	3	102	1
97	FEB	1	1215	59.02	19	24.52	155	16.06	0.67	11	3	.13	.3	.7	SECL	1.4X	3	94	1
97	FEB	1	1220	5.66	19	24.97	155	17.17	1.41	17	5	.09	.4	.1	SNCL	1.9X	4	87	0
97	FEB	1	1220	45.71	19	24.65	155	17.73	2.00	11	2	.19	1.1	.6	SNCL	1.7X	3	141	1
97	FEB	1	1220	54.58	19	24.59	155	16.17	1.11	11	2	.11	.3	.5	SNCL	1.9X	2	95	1
97	FEB	1	1221	11.59	19	24.77	155	16.48	0.01	11	3	.07	.2	.4	SNCL#	1.6X	2	95	1
97	FEB	1	1221	24.14	19	24.91	155	15.98	0.02	9	2	.16	.3	.9	SNCL#	1.6X	2	111	2
97	FEB	1	1221	46.22	19	24.86	155	16.13	0.03	11	3	.21	.3	.7	SNCL#	1.7X	2	105	2
97	FEB	1	1226	37.78	19	21.22	155	3.08	7.23	38	9	.13	.6	.7	SF5	2.0X	4	170	9
97	FEB	1	1234	10.18	19	24.96	155	16.98	2.88	11	4	.06	.6	.5	SNCL	1.3X	4	148	0
97	FEB	1	1234	23.64	19	24.82	155	16.92	1.70	15	5	.10	.4	.2	SNCL	1.6X	4	89	0
97	FEB	1	1236	43.34	19	25.24	155	16.59	1.38	13	4	.10	.4	.4	SNCL	1.5X	3	106	1
97	FEB	1	1237	3.99	19	24.89	155	16.84	1.22	14	4	.13	.4	.3	SNCL	1.5X	4	92	0
97	FEB	1	1237	26.57	19	24.60	155	17.59	1.96	13	4	.10	.8	.3	SNCL	1.1X	4	207	1
97	FEB	1	1237	46.53	19	24.28	155	19.11	3.44	13	5	.11	1.2	.7	KAOL	1.7X	4	272	3
97	FEB	1	1237	55.85	19	24.86	155	16.52	1.00	14	4	.12	.3	.4	SNCL	1.3X	4	97	1
97	FEB	1	1248	48.53	19	24.98	155	16.49	0.43	14	4	.11	.3	.4	SNCL	1.0X	3	101	1
97	FEB	1	1248	58.61	19	24.93	155	16.86	1.93	18	5	.10	.4	.2	SNCL	1.7X	3	93	0
97	FEB	1	1253	47.72	19	24.48	155	16.69	1.97	19	5	.10	.4	.2	SSCL	1.6X	3	84	1
97	FEB	1	1259	5.85	19	24.92	155	16.70	1.30	14	4	.07	.3	.3	SNCL	1.0X	4	96	1
97	FEB	1	1259	14.28	19	24.67	155	16.57	1.29	15	4	.09	.3	.3	SNCL	1.6X	4	104	1
97	FEB	1	1259	32.72	19	25.01	155	16.72	1.66	14	4	.11	.4	.3	SNCL	1.4X	4	98	1
97	FEB	1	1259	50.70	19	24.63	155	17.02	1.20	12	2	.09	.4	.2	SNCL	1.4X	4	135	0
97	FEB	1	1302	0.77	19	24.85	155	16.28	0.93	15	4	.10	.2	.4	SNCL	1.2X	3	102	1
97	FEB	1	1302	28.18	19	24.80	155	16.26	1.10	13	4	.12	.3	.5	SNCL	1.3X	4	100	1
97	FEB	1	1302	45.83	19	24.44	155	16.76	1.67	15	4	.07	.3	.2	SSCL	1.6X	3	110	1
97	FEB	1	1303	37.44	19	24.62	155	17.14	5.40	9	2	.14	1.4	1.6	INTL	1.4X	2	160	1
97	FEB	1	1303	41.98	19	25.56	155	15.70	2.87	11	3	.14	.9	1.0	SNCL	1.6X	2	217	3
97	FEB	1	1303	56.77	19	24.35	155	16.99	2.53	12	2	.06	.4	.3	SSCL	2.1X	2	78	1
97	FEB	1	1304	32.92	19	24.43	155	16.95	1.17	14	4	.12	.4	.3	SSCL	1.1X	3	80	1
97	FEB	1	1304	42.50	19	24.23	155	17.48	2.10	20	7	.10	.5	.2	SSCL	2.1X	5	128	1
97	FEB	1	1305	12.41	19	24.56	155	16.31	1.06	16	4	.09	.2	.3	SNCL	1.7X	3	92	1
97	FEB	1	1305	40.06	19	27.41	155	15.11	10.65	15	4	.06	1.0	1.3	INTL	2.4X	2	195	3
97	FEB	1	1311	30.58	19	24.56	155	17.16	2.15	9	2	.06	.5	.3	SNCL	1.4X	2	150	1
97	FEB	1	1312	11.74	19	25.33	155	16.33	1.86	12	3	.15	.4	.7	SNCL	1.9X	3	115	1
97	FEB	1	1312	31.35	19	24.91	155	16.16	0.73	10	2	.09	.4	.8	SNCL	1.8X	1	106	1
97	FEB	1	1315	54.35	19	23.81	155	16.81	1.83	18	4	.10	.4	.2	SSCL	1.4X	3	76	0
97	FEB	1	1316	9.89	19	24.43	155	16.55	1.82	22	6	.11	.3	.2	SSCL	1.8X	5	85	1
97	FEB	1	1316	16.34	19	25.12	155	16.07	2.02	21	4	.13	.3	.4	SNCL	2.1X	3	114	2
97	FEB	1	1317	0.00	19	24.32	155	16.96	1.78	12	2	.09	.4	.3	SSCL	1.6X	2	95	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
97	FEB	1	1317	26.89	19	24.57	155	16.57	0.22	16	4	.11	.2	.3	SNCL	1.3X	3	87	1
97	FEB	1	1317	36.57	19	24.91	155	16.48	0.70	17	5	.12	.2	.3	SNCL	1.8X	3	99	1
97	FEB	1	1317	44.42	19	24.59	155	16.32	0.66	23	6	.11	.2	.3	SNCL	2.2X	4	93	1
97	FEB	1	1321	23.58	19	24.57	155	16.91	2.57	11	1	.08	.4	.3	SNCL	1.9X	2	84	1
97	FEB	1	1321	43.10	19	23.99	155	17.38	1.13	12	3	.14	.6	.4	SSCL	2.2X	2	171	1
97	FEB	1	1322	3.70	19	25.12	155	15.82	0.03	10	2	.09	.3	.6	SNCL#	2.0X	2	124	2
97	FEB	1	1322	11.69	19	23.92	155	18.11	0.32	9	2	.11	.4	.6	SSCL	2.0X	1	144	3
97	FEB	1	1322	26.42	19	26.80	155	14.81	0.01	11	3	.13	.8	.9	SNCL#	2.4X	1	275	4
97	FEB	1	1327	26.32	19	24.39	155	16.69	1.98	13	3	.14	.4	.3	SSCL	2.0X	2	83	1
97	FEB	1	1328	3.49	19	24.39	155	16.87	2.12	15	5	.10	.4	.2	SSCL	1.5X	2	90	1
97	FEB	1	1329	32.94	19	25.20	155	16.10	0.11	9	2	.07	.2	.7	SNCL	1.7X	2	119	2
97	FEB	1	1329	38.65	19	24.02	155	17.17	0.99	10	2	.12	.5	.3	SSCL	1.6X	1	183	1
97	FEB	1	1333	28.27	19	25.24	155	15.91	0.74	18	5	.09	.2	.4	SNCL	1.8X	3	119	2
97	FEB	1	1333	36.89	19	24.41	155	16.26	0.15	19	5	.10	.2	.3	SECL	1.9X	2	87	1
97	FEB	1	1340	34.50	19	25.40	155	17.36	3.83	8	2	.07	1.5	.7	SNCL	1.5X	3	193	0
97	FEB	1	1340	44.15	19	24.38	155	17.91	1.72	8	2	.09	.8	.6	SSCL	1.4X	3	238	2
97	FEB	1	1340	55.96	19	24.72	155	15.83	0.03	9	3	.13	.3	.8	SNCL#	1.3X	2	158	2
97	FEB	1	1348	54.64	19	24.74	155	16.28	1.02	13	4	.07	.3	.4	SNCL	1.4X	4	153	1
97	FEB	1	1349	5.64	19	24.92	155	16.50	1.46	12	4	.06	.3	.4	SNCL	1.3X	3	161	1
97	FEB	1	1349	18.30	19	25.57	155	16.07	1.30	12	4	.11	.5	.6	SNCL	1.2X	2	214	2
97	FEB	1	1349	29.40	19	24.92	155	17.21	2.06	13	5	.06	.5	.2	SNCL	1.3X	2	140	0
97	FEB	1	1400	4.49	19	24.33	155	15.95	2.19	10	2	.14	.5	.8	SECL	1.9X	2	132	1
97	FEB	1	1402	18.75	19	24.59	155	17.41	2.07	10	1	.10	.4	.3	SNCL	1.6X	2	116	1
97	FEB	1	1402	24.41	19	24.52	155	16.29	1.62	9	2	.06	.2	.3	SECL	1.7X	2	139	1
97	FEB	1	1410	1.28	19	24.82	155	16.45	1.67	16	4	.09	.3	.3	SNCL	1.5X	3	98	1
97	FEB	1	1410	17.69	19	24.59	155	16.65	0.49	19	5	.12	.3	.2	SNCL	1.6X	4	87	1
97	FEB	1	1410	48.51	19	24.55	155	16.40	1.19	15	4	.08	.2	.3	SNCL	1.5X	3	90	1
97	FEB	1	1411	8.17	19	24.31	155	16.71	2.26	10	2	.11	.7	.3	SSCL	1.9X	2	104	1
97	FEB	1	1411	15.83	19	24.18	155	15.93	1.59	8	1	.10	.4	.6	SECL	2.0X	2	123	1
97	FEB	1	1419	45.16	19	25.02	155	16.77	1.80	27	9	.10	.3	.1	SNCL	2.2X	6	97	0
97	FEB	1	1421	23.51	19	24.35	155	17.81	0.80	17	5	.14	.3	.3	SSCL	2.2X	2	85	2
97	FEB	1	1429	51.34	19	25.05	155	17.27	1.90	13	3	.11	.5	.2	SNCL	1.8X	2	89	1
97	FEB	1	1434	44.99	19	24.74	155	17.06	0.96	16	5	.08	.3	.2	SNCL	1.8X	4	77	0
97	FEB	1	1435	1.75	19	24.74	155	16.65	1.51	24	7	.11	.3	.1	SNCL	2.2X	5	91	1
97	FEB	1	1444	23.64	19	24.65	155	16.52	1.96	10	2	.18	.6	.6	SNCL	1.6X	1	142	1
97	FEB	1	1444	33.02	19	24.66	155	16.90	2.63	9	2	.09	.7	.4	SNCL	1.7X	2	137	0
97	FEB	1	1448	7.30	19	24.87	155	16.35	0.78	14	4	.10	.2	.4	SNCL	.8X	2	101	1
97	FEB	1	1448	25.85	19	22.59	155	14.68	2.07	19	7	.11	.3	.4	SECL	1.2X	5	123	2
97	FEB	1	1448	39.11	19	24.61	155	16.50	2.36	14	4	.08	.4	.2	SNCL	1.4X	4	90	1
97	FEB	1	1449	0.37	19	24.56	155	16.52	1.13	13	4	.10	.3	.3	SNCL	1.4X	4	136	1
97	FEB	1	1449	7.11	19	25.14	155	16.20	1.85	13	4	.10	.3	.5	SNCL	1.6X	4	113	1
97	FEB	1	1452	9.07	19	24.58	155	16.52	1.20	13	4	.08	.3	.3	SNCL	1.6X	4	107	1
97	FEB	1	1452	28.32	19	24.90	155	16.36	0.03	13	4	.11	.2	.5	SNCL#	1.5X	4	102	1
97	FEB	1	1452	36.09	19	24.29	155	17.41	1.58	14	4	.12	.6	.3	SSCL	1.6X	4	163	1
97	FEB	1	1453	4.42	19	24.94	155	16.37	0.41	13	4	.11	.2	.5	SNCL	1.4X	2	102	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
97	FEB	1	1453	15.89	19	24.54	155	16.95	1.16	25	7	.12	.3	.2	SNCL	2.1X	4	82	1
97	FEB	1	1456	34.02	19	24.68	155	15.49	1.75	15	5	.10	.3	.5	SNCL	2.3X	2	110	2
97	FEB	1	1457	12.71	19	24.69	155	16.83	1.52	15	4	.08	.4	.2	SNCL	1.9X	4	114	0
97	FEB	1	1457	23.50	19	24.74	155	16.25	0.51	15	4	.11	.2	.4	SNCL	2.1X	2	99	1
97	FEB	1	1458	22.16	19	24.55	155	16.96	1.40	24	7	.09	.3	.2	SNCL	2.2X	4	92	1
97	FEB	1	1458	49.22	19	23.70	155	18.03	1.28	13	4	.10	.6	.5	SSCL	1.6X	3	205	2
97	FEB	1	1501	44.88	19	25.05	155	16.72	1.56	18	7	.11	.3	.2	SNCL	1.9X	4	99	1
97	FEB	1	1502	10.05	19	24.49	155	16.57	0.97	16	5	.10	.3	.3	SSCL	2.0X	4	85	1
97	FEB	1	1503	29.48	19	24.63	155	15.68	2.55	18	5	.10	.3	.4	SNCL	2.2X	4	103	2
97	FEB	1	1505	45.49	19	24.34	155	16.23	0.97	15	5	.07	.2	.3	SECL	1.4X	3	129	1
97	FEB	1	1509	18.22	19	24.51	155	16.96	2.02	11		.11	.4	.3	SSCL	1.7X	2	81	1
97	FEB	1	1516	19.33	19	24.59	155	16.57	1.48	10	3	.14	.4	.3	SNCL	1.8X	2	137	1
97	FEB	1	1521	53.18	19	24.48	155	19.20	2.29	9	1	.12	1.5	1.1	KAOL	1.9X	2	272	3
97	FEB	1	1522	40.25	19	24.77	155	15.99	2.03	10	2	.10	.4	.7	SNC	1.4X	3	105	2
97	FEB	1	1523	51.80	19	23.99	155	16.59	1.78	10	2	.07	.3	.2	SSCL	1.6X	2	95	0
97	FEB	1	1524	0.45	19	25.65	155	16.16	1.32	8	1	.07	.4	.8	SNCL	1.6X	3	132	2
97	FEB	1	1528	46.56	19	24.60	155	16.52	0.83	12	4	.11	.3	.4	SNCL	1.3X	4	105	1
97	FEB	1	1528	58.22	19	24.92	155	16.93	1.81	13	4	.08	.5	.3	SNCL	1.6X	4	91	0
97	FEB	1	1529	6.69	19	25.63	155	16.70	3.48	12	4	.06	.8	.7	SNCL	1.7X	3	112	1
97	FEB	1	1529	19.27	19	24.93	155	16.40	1.20	13	4	.10	.3	.4	SNCL	1.3X	3	102	1
97	FEB	1	1530	33.04	19	29.14	155	20.00	4.57	7	1	.12	3.3	14.8	KAOL-	1.6X	3	336	8
97	FEB	1	1530	55.73	19	25.07	155	18.66	2.73	9	2	.10	1.4	.6	SNCL	1.6X	2	265	2
97	FEB	1	1544	51.40	19	25.18	155	16.29	1.83	10	2	.08	.5	.7	SNCL	1.4X	3	112	1
97	FEB	1	1545	10.28	19	25.07	155	18.38	3.47	8	1	.04	1.9	.6	SNCL	2.2X	3	250	1
97	FEB	1	1553	46.06	19	24.40	155	17.29	1.62	12	2	.05	.5	.3	SSCL	1.3X	3	110	1
97	FEB	1	1553	58.81	19	24.61	155	16.43	1.87	11	2	.11	.6	.3	SNCL	1.4X	2	141	1
97	FEB	1	1555	31.39	19	24.95	155	17.31	2.62	13	2	.09	.7	.3	SNCL	2.3X	2	89	1
97	FEB	1	1558	56.78	19	24.67	155	16.80	2.36	12	2	.15	.5	.4	SNCL	1.7X	2	87	1
97	FEB	1	1559	16.25	19	24.24	155	16.70	2.13	13	2	.13	.5	.3	SSCL	1.9X	2	78	1
97	FEB	1	1559	22.11	19	24.65	155	16.90	2.33	11	1	.09	.4	.3	SNCL	2.0X	2	86	0
97	FEB	1	1606	33.87	19	24.60	155	16.72	1.98	12	2	.09	.5	.3	SNCL	1.5X	3	87	1
97	FEB	1	1606	53.73	19	24.54	155	16.81	2.42	11	3	.11	.6	.5	SSCL	1.1X	2	132	1
97	FEB	1	1609	20.89	19	24.56	155	16.64	2.28	14	3	.10	.4	.3	SNCL	2.0X	2	86	1
97	FEB	1	1609	35.43	19	24.38	155	16.51	1.35	9	1	.09	.6	.3	SSCL	1.4X	2	123	1
97	FEB	1	1612	43.02	19	25.18	155	17.02	2.47	11	2	.16	.7	.3	SNCL	1.3X	3	107	1
97	FEB	1	1612	48.92	19	24.20	155	17.22	1.82	13	2	.10	.5	.3	SSCL	1.8X	2	80	1
97	FEB	1	1612	57.90	19	24.94	155	17.09	1.68	11	2	.12	.5	.3	SNCL	1.9X	2	141	0
97	FEB	1	1619	48.40	19	24.78	155	17.14	1.64	9	1	.13	.4	.2	SNCL	1.4X	2	82	0
97	FEB	1	1624	45.00	19	22.65	155	17.40	3.26	11	2	.05	.5	.5	SSC	1.4X	2	110	2
97	FEB	1	1627	17.70	19	24.92	155	16.81	2.11	12	2	.12	.5	.3	SNCL	1.6X	2	93	0
97	FEB	1	1638	19.67	19	26.36	155	20.68	0.04	7	1	.20	2.8	1.8	KAOL#	1.8X	3	334	6
97	FEB	1	1646	30.30	19	24.49	155	16.66	1.91	12	2	.11	.4	.3	SSCL	2.2X	2	85	1
97	FEB	1	1646	38.00	19	25.09	155	19.57	2.11	10	2	.09	.8	1.1	KAOL	2.0X	2	278	3
97	FEB	1	1651	40.01	19	24.94	155	16.14	0.03	10	3	.08	.2	.6	SNCL#	1.2X	2	169	2
97	FEB	1	1652	0.92	19	24.83	155	16.50	3.07	7	1	.10	.6	1.1	SNCL	1.5X	3	155	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
97	FEB	1	1658	26.12	19	24.18	155	16.48	1.20	11	2	.19	.4	.5	SECL	1.3X	2	110	1
97	FEB	1	1658	31.58	19	24.19	155	17.30	1.88	15	3	.16	.5	.3	SSCL	2.2X	1	82	1
97	FEB	1	1705	54.01	19	25.04	155	17.07	2.78	12	2	.11	.6	.3	SNCL	1.7X	2	90	0
97	FEB	1	1706	15.17	19	24.48	155	15.94	2.66	10	3	.08	.4	.7	SECL	1.4X	2	141	2
97	FEB	1	1706	39.97	19	24.80	155	16.75	1.74	13	2	.14	.4	.2	SNCL	1.8X	2	91	0
97	FEB	1	1709	27.96	19	24.44	155	16.89	1.97	12	1	.09	.4	.3	SSCL	2.0X	2	81	1
97	FEB	1	1710	3.08	19	24.28	155	16.81	1.95	11	2	.10	.4	.3	SSCL	1.6X	2	96	1
97	FEB	1	1715	7.04	19	24.74	155	16.64	2.66	14	2	.11	.4	.3	SNCL	2.0X	2	91	1
97	FEB	1	1715	15.17	19	24.15	155	16.05	1.86	9	2	.10	.3	.8	SECL	2.1X	1	80	1
97	FEB	1	1715	49.55	19	24.87	155	16.30	2.00	15	4	.10	.3	.3	SNCL	1.6X	3	102	1
97	FEB	1	1720	7.85	19	24.96	155	16.86	2.02	9	2	.09	.5	.3	SNCL	1.6X	3	150	0
97	FEB	1	1720	26.98	19	24.79	155	15.92	0.97	11	3	.11	.3	.6	SNCL	1.6X	2	152	2
97	FEB	1	1721	0.98	19	23.58	155	18.22	3.75	8	2	.14	2.5	1.8	SSCL	1.6X	3	259	2
97	FEB	1	1721	5.06	19	25.29	155	19.44	2.26	9	2	.06	1.1	.7	KAOL#	1.5X	2	316	3
97	FEB	1	1736	14.15	19	24.69	155	16.68	2.38	14	3	.13	.5	.3	SNCL	1.7X	2	90	1
97	FEB	1	1738	40.75	19	24.36	155	16.87	1.93	18	5	.09	.4	.2	SSCL	1.7X	2	79	1
97	FEB	1	1741	45.14	19	24.95	155	17.20	4.28	16	5	.11	.8	.3	SNCL	1.6X	4	126	0
97	FEB	1	1742	1.96	19	25.06	155	16.40	2.04	12	4	.12	.5	.6	SNCL	1.3X	3	105	1
97	FEB	1	1742	16.72	19	24.51	155	16.08	0.56	17	4	.11	.2	.4	SECL	1.6X	4	93	1
97	FEB	1	1742	21.36	19	22.17	155	20.67	3.92	15	4	.10	1.1	3.2	KAOL	2.4X	3	270	7
97	FEB	1	1743	37.56	19	24.59	155	16.28	1.61	11	2	.09	.3	.4	SNCL	1.7X	2	144	1
97	FEB	1	1743	54.84	19	24.20	155	16.93	1.51	11	2	.14	.5	.3	SSCL	1.8X	2	96	1
97	FEB	1	1748	52.34	19	24.45	155	17.20	1.88	11	2	.10	.5	.3	SSCL	1.3X	3	105	1
97	FEB	1	1749	44.43	19	24.52	155	16.62	2.12	12	2	.11	.6	.3	SSCL	1.5X	1	128	1
97	FEB	1	1753	13.42	19	24.58	155	17.21	1.61	10	3	.06	.4	.2	SNCL	1.9X	3	169	1
97	FEB	1	1755	56.73	19	24.59	155	16.03	0.05	13	4	.08	.2	.4	SNCL	1.4X	3	141	2
97	FEB	1	1755	59.49	19	24.19	155	17.59	0.02	16	5	.09	.2	.3	SSCL#	1.6X	3	126	2
97	FEB	1	1756	4.99	19	24.18	155	15.80	0.18	18	4	.07	.2	.3	SECL	1.7X	4	123	1
97	FEB	1	1756	18.53	19	24.90	155	16.40	1.43	27	7	.13	.3	.2	SNCL	2.0X	4	101	1
97	FEB	1	1758	13.11	19	24.33	155	16.90	2.30	13	4	.08	.5	.3	SSCL	2.0X	3	90	1
97	FEB	1	1809	15.87	19	24.26	155	16.89	2.12	12	2	.12	.5	.3	SSCL	1.8X	2	93	1
97	FEB	1	1820	11.13	19	24.39	155	17.19	2.10	12	1	.12	.5	.3	SSCL	1.8X	2	79	1
97	FEB	1	1820	31.85	19	24.77	155	15.56	1.81	12	4	.10	.3	.5	SNCL	1.9X	2	165	2
97	FEB	1	1820	48.31	19	24.13	155	16.12	4.12	9	2	.09	.9	1.0	SECL	2.2X	2	119	1
97	FEB	1	1830	44.37	19	24.77	155	16.63	0.86	14	4	.11	.3	.3	SNCL	1.5X	3	99	1
97	FEB	1	1832	44.14	19	24.56	155	17.23	1.84	10		.04	.5	.2	SNCL	1.1X	3	105	1
97	FEB	1	1833	12.87	19	24.35	155	16.83	0.62	10	2	.09	.3	.3	SSCL	1.9X	1	124	1
97	FEB	1	1833	35.23	19	24.64	155	16.93	1.73	10		.07	.4	.2	SNCL	1.6X	2	86	0
97	FEB	1	1836	19.26	19	25.14	155	18.53	1.52	8	1	.07	1.0	.9	SNCL	1.5X	2	254	3
97	FEB	1	1838	51.78	19	23.89	155	15.24	1.32	13	4	.09	.3	.5	SECL	1.5X	4	81	2
97	FEB	1	1839	11.72	19	24.68	155	16.35	1.96	15	5	.11	.3	.4	SNCL	1.7X	3	95	1
97	FEB	1	1840	3.77	19	24.26	155	16.89	1.69	15	5	.09	.4	.2	SSCL	1.6X	2	126	1
97	FEB	1	1849	9.44	19	24.20	155	16.97	1.61	15	4	.09	.4	.3	SSCL	1.3X	4	77	1
97	FEB	1	1849	26.70	19	24.94	155	16.68	1.71	14	4	.07	.4	.2	SNCL	1.4X	3	151	1
97	FEB	1	1849	34.75	19	25.46	155	17.03	1.97	16	4	.07	.4	.2	SNCL	1.8X	3	104	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
97	FEB	1	1850	13.22	19	24.38	155	16.69	0.65	17	5	.10	.3	.2	SSCL	2.1X	3	82	1
97	FEB	1	1853	53.38	19	24.58	155	16.33	1.27	14	4	.08	.3	.3	SNCL	1.5X	3	141	1
97	FEB	1	1854	8.13	19	24.82	155	16.47	2.21	16	4	.10	.4	.3	SNCL	1.5X	3	96	1
97	FEB	1	1854	31.60	19	25.04	155	16.91	1.80	13	2	.07	.4	.2	SNCL	2.0X	3	94	0
97	FEB	1	1855	40.72	19	24.72	155	16.64	1.99	13	3	.11	.3	.2	SNCL	1.7X	2	90	1
97	FEB	1	1856	1.60	19	24.67	155	16.86	2.17	9	1	.08	.7	.4	SNCL	1.3X	2	133	0
97	FEB	1	1857	35.39	19	24.62	155	16.90	2.14	12	2	.08	.6	.3	SNCL	1.4X	3	85	1
97	FEB	1	1857	46.73	19	24.34	155	18.89	0.04	9	2	.09	.5	.8	SSCL#	1.8X	2	267	3
97	FEB	1	1859	21.38	19	24.77	155	16.83	2.56	17	4	.09	.4	.2	SNCL	1.7X	3	90	0
97	FEB	1	1901	52.08	19	24.58	155	16.89	2.05	12	1	.09	.4	.2	SNCL	1.5X	2	86	1
97	FEB	1	1906	27.36	19	25.17	155	16.30	0.99	11	3	.13	.3	.4	SNCL	1.4X	2	111	1
97	FEB	1	1906	30.08	19	24.64	155	16.53	1.94	10	2	.07	.3	.4	SNCL	1.6X	2	141	1
97	FEB	1	1909	29.32	19	24.82	155	16.63	1.61	19	5	.10	.3	.2	SNCL	1.7X	4	93	1
97	FEB	1	1909	39.49	19	24.67	155	16.10	1.55	18	5	.12	.2	.4	SNCL	1.6X	3	99	2
97	FEB	1	1909	50.10	19	24.72	155	16.77	0.46	19	5	.12	.3	.2	SNCL	1.6X	3	90	1
97	FEB	1	1914	6.83	19	24.72	155	16.10	0.01	9	2	.10	.2	.5	SNCL#	1.4X	3	155	2
97	FEB	1	1914	43.84	19	24.58	155	17.05	2.36	12	2	.12	.5	.2	SNCL	1.3X	2	94	1
97	FEB	1	1916	27.22	19	24.47	155	17.10	1.95	10	3	.08	.4	.2	SSCL	.9X	2	99	1
97	FEB	1	1916	42.97	19	24.33	155	17.03	1.85	11	2	.06	.4	.2	SSCL	1.4X	2	98	1
97	FEB	1	1917	39.43	19	24.50	155	16.81	2.86	11	2	.12	.4	.3	SSCL	1.6X	2	84	1
97	FEB	1	1917	56.40	19	24.95	155	16.67	1.78	10		.08	.4	.3	SNCL	1.6X	3	96	1
97	FEB	1	1918	6.77	19	24.88	155	17.14	2.42	10	2	.09	.6	.3	SNCL	1.9X	2	122	0
97	FEB	1	1922	34.47	19	24.88	155	16.66	1.32	18	5	.10	.3	.2	SNCL	1.6X	4	95	1
97	FEB	1	1922	48.89	19	25.07	155	16.68	2.55	18	5	.09	.4	.3	SNCL	1.8X	3	99	1
97	FEB	1	1924	41.07	19	24.57	155	16.86	2.30	13	2	.11	.5	.3	SNCL	1.9X	2	84	1
97	FEB	1	1926	36.38	19	25.54	155	17.28	2.24	11	2	.10	.8	.3	SNCL	1.5X	2	222	1
97	FEB	1	1927	0.19	19	24.47	155	17.03	1.89	12	1	.08	.4	.3	SSCL	2.0X	3	80	1
97	FEB	1	1927	36.28	19	24.75	155	15.70	0.00	12	3	.13	.3	.6	SNCL#	1.1X	1	110	2
97	FEB	1	1927	38.55	19	25.24	155	15.55	1.43	8	2	.09	.6	.6	SNCL	1.7X	1	200	2
97	FEB	1	1932	51.89	19	27.80	155	19.86	1.60	7		.16	10.2	10.6	KAOL-	1.8X	3	333	6
97	FEB	1	1933	4.66	19	25.03	155	16.04	0.51	11	2	.09	.2	.5	SNCL	1.7X	2	114	2
97	FEB	1	1933	38.70	19	24.63	155	16.72	1.60	9	2	.09	.5	.4	SNCL	1.3X	2	132	1
97	FEB	1	1947	30.53	19	25.59	155	17.09	2.48	8	1	.09	1.0	.3	SNCL	1.0X	2	220	1
97	FEB	1	1947	41.58	19	24.05	155	16.52	1.50	9	2	.06	.3	.3	SSCL	1.3X	2	112	0
97	FEB	1	1950	20.95	19	24.23	155	16.87	2.42	11	3	.08	.4	.3	SSCL	1.4X	2	93	1
97	FEB	1	1951	31.45	19	24.76	155	16.77	2.05	16	5	.10	.5	.3	SNCL	1.8X	4	116	0
97	FEB	1	1952	5.92	19	24.74	155	16.30	1.52	15	4	.11	.3	.4	SNCL	1.6X	4	97	1
97	FEB	1	1953	10.72	19	24.05	155	18.23	0.04	10	2	.12	.4	.6	SSCL#	1.8X	1	255	3
97	FEB	1	1953	18.74	19	24.20	155	16.36	0.30	10	1	.08	.2	.4	SECL	2.0X	1	116	1
97	FEB	1	1956	1.30	19	24.11	155	16.84	1.24	10	2	.12	.4	.3	SSCL	1.2X	3	93	1
97	FEB	1	1956	11.05	19	24.62	155	16.00	0.03	12	3	.13	.2	.5	SNCL#	1.6X	2	98	2
97	FEB	1	1956	28.65	19	24.41	155	16.19	0.03	10	2	.09	.2	.4	SECL#	1.4X	2	91	1
97	FEB	1	1958	54.73	19	24.26	155	17.17	1.94	13	2	.08	.4	.2	SSCL	1.8X	2	79	1
97	FEB	1	1959	8.74	19	24.66	155	18.01	3.36	10	2	.08	1.2	.6	SNCL	1.8X	3	215	2
97	FEB	1	1959	32.90	19	24.32	155	16.40	1.00	15	4	.12	.3	.4	SECL	.9X	4	100	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
97	FEB	1	1959	49.36	19	24.78	155	16.59	2.10	17	5	.11	.4	.3	SNCL	1.9X	3	93	1
97	FEB	1	2000	3.16	19	24.86	155	16.43	2.08	19	5	.12	.3	.3	SNCL	1.9X	3	99	1
97	FEB	1	2000	18.83	19	24.85	155	16.25	0.65	16	5	.10	.2	.4	SNCL	1.7X	4	102	1
97	FEB	1	2004	32.17	19	24.80	155	16.85	1.80	15	1	.11	.5	.3	SNCL	2.2X	2	89	0
97	FEB	1	2004	58.52	19	24.40	155	18.27	2.06	10	2	.08	.9	.5	SSCL	1.6X	2	223	2
97	FEB	1	2011	4.21	19	24.94	155	15.94	1.12	16	4	.10	.2	.5	SNCL	1.2X	2	112	2
97	FEB	1	2011	6.75	19	24.73	155	16.47	1.77	16	4	.08	.3	.3	SNCL	1.5X	3	94	1
97	FEB	1	2012	27.37	19	24.58	155	16.84	1.78	15	5	.10	.4	.2	SNCL	1.3X	4	85	1
97	FEB	1	2012	45.10	19	24.04	155	16.53	1.85	14	4	.07	.4	.2	SSCL	1.4X	3	88	0
97	FEB	1	2014	2.09	19	24.70	155	16.62	1.59	17	5	.11	.3	.2	SNCL	1.6X	4	91	1
97	FEB	1	2018	58.70	19	24.95	155	16.14	1.24	19	5	.11	.2	.4	SNCL	1.7X	4	109	2
97	FEB	1	2019	21.79	19	24.93	155	16.24	1.57	19	5	.10	.2	.3	SNCL	2.0X	3	105	1
97	FEB	1	2021	27.25	19	24.76	155	16.56	1.72	15	4	.11	.4	.3	SNCL	1.1X	3	94	1
97	FEB	1	2021	37.75	19	24.33	155	16.17	2.27	16	4	.12	.3	.4	SECL	1.2X	4	86	1
97	FEB	1	2021	51.96	19	24.66	155	16.58	1.25	17	4	.13	.3	.3	SNCL	1.2X	3	90	1
97	FEB	1	2026	23.22	19	24.62	155	16.84	1.65	18	5	.10	.4	.2	SNCL	1.6X	3	86	1
97	FEB	1	2029	38.04	19	24.26	155	17.04	2.70	17	5	.09	.5	.3	SSCL	1.9X	3	120	1
97	FEB	1	2043	2.06	19	24.71	155	16.54	1.65	18	5	.11	.3	.3	SNCL	1.6X	4	92	1
97	FEB	1	2043	45.02	19	25.13	155	16.66	2.15	19	5	.09	.3	.3	SNCL	2.0X	3	101	1
97	FEB	1	2049	50.18	19	24.43	155	16.83	1.72	19	5	.09	.3	.2	SSCL	2.0X	3	81	1
97	FEB	1	2049	58.20	19	24.85	155	16.36	1.77	22	5	.08	.3	.2	SNCL	2.0X	4	100	1
97	FEB	1	2050	22.41	19	24.75	155	17.69	2.35	17	5	.07	.5	.2	SNCL	1.7X	3	179	1
97	FEB	1	2050	49.89	19	24.42	155	16.91	2.25	12	2	.14	.5	.3	SSCL	1.9X	2	91	1
97	FEB	1	2056	13.67	19	25.28	155	15.92	0.81	11	1	.16	.4	.7	SNCL	1.4X	2	127	2
97	FEB	1	2057	43.05	19	24.35	155	16.80	1.70	18	4	.08	.3	.2	SSCL	1.3X	4	81	1
97	FEB	1	2057	56.45	19	24.99	155	16.41	1.39	19	5	.11	.3	.3	SNCL	1.8X	3	103	1
97	FEB	1	2058	5.19	19	24.75	155	16.46	1.13	19	5	.10	.2	.3	SNCL	2.0X	3	95	1
97	FEB	1	2103	21.41	19	24.65	155	16.73	1.55	10	2	.10	.4	.4	SNCL	1.7X	2	124	1
97	FEB	1	2105	3.69	19	24.15	155	16.22	1.43	11	2	.10	.3	.4	SECL	1.5X	1	79	1
97	FEB	1	2105	22.45	19	24.52	155	16.26	1.05	8	2	.07	.3	.6	SECL	1.3X	2	139	1
97	FEB	1	2109	54.06	19	25.20	155	16.31	0.42	18	4	.11	.2	.4	SNCL	1.7X	3	110	1
97	FEB	1	2110	6.64	19	25.26	155	16.42	1.78	18	5	.10	.3	.3	SNCL	1.8X	3	108	1
97	FEB	1	2121	33.12	19	24.19	155	17.00	1.83	13	3	.09	.4	.3	SSCL	1.5X	3	98	1
97	FEB	1	2123	35.01	19	24.29	155	16.96	1.87	10	2	.13	.6	.3	SSCL	1.5X	2	96	1
97	FEB	1	2123	55.35	19	24.30	155	16.98	2.18	13	3	.15	.5	.4	SSCL	1.7X	2	96	1
97	FEB	1	2129	10.72	19	24.86	155	16.67	1.72	14	4	.07	.3	.2	SNCL	1.9X	3	94	1
97	FEB	1	2129	45.91	19	24.67	155	15.94	0.20	9	2	.09	.3	.8	SNCL	1.3X	2	154	2
97	FEB	1	2130	37.52	19	23.84	155	16.43	1.62	10	3	.10	.5	.3	SECL	1.2X	2	127	0
97	FEB	1	2130	46.99	19	26.01	155	16.39	0.01	12	2	.11	.4	.8	SNCL#	1.9X	2	192	2
97	FEB	1	2136	18.36	19	24.73	155	16.23	0.88	9	2	.15	.4	.8	SNCL	1.2X	2	153	1
97	FEB	1	2136	48.66	19	24.50	155	17.20	1.28	9	1	.10	.5	.3	SSCL	1.5X	3	147	1
97	FEB	1	2137	6.92	19	24.39	155	16.79	1.49	9	1	.10	.6	.4	SSCL	1.3X	2	134	1
97	FEB	1	2141	58.95	19	24.39	155	16.61	1.98	14	3	.17	.4	.3	SSCL	1.9X	2	83	1
97	FEB	1	2150	15.81	19	24.83	155	16.68	1.81	12	2	.09	.4	.2	SNCL	1.9X	2	93	1
97	FEB	1	2154	44.45	19	25.03	155	16.21	1.34	19	5	.10	.2	.3	SNCL	1.8X	4	110	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
97	FEB	1	2157	9.72	19	24.58	155	17.20	1.87	10	1	.04	.4	.2	SNCL	1.4X	2	103	1
97	FEB	1	2157	41.80	19	24.02	155	18.76	0.86	8	2	.06	.4	.8	SSCL	1.9X	2	213	3
97	FEB	1	2158	19.06	19	25.35	155	17.34	2.38	14	3	.12	.6	.3	SNCL	1.6X	2	89	0
97	FEB	1	2159	12.53	19	24.52	155	18.15	0.95	16	5	.10	.3	.4	SSCL	1.8X	4	152	2
97	FEB	1	2159	37.29	19	24.71	155	16.89	1.67	21	6	.10	.3	.2	SNCL	2.2X	4	112	0
97	FEB	1	2200	43.31	19	24.80	155	16.50	0.38	11	4	.10	.2	.4	SNCL	1.6X	3	147	1
97	FEB	1	2200	53.60	19	24.54	155	16.45	1.36	14	4	.10	.3	.3	SNCL	1.9X	2	137	1
97	FEB	1	2204	56.92	19	24.74	155	16.40	1.36	15	4	.10	.3	.3	SNCL	1.4X	2	96	1
97	FEB	1	2205	30.30	19	25.11	155	16.49	0.45	25	8	.07	.1	.2	SNCL	2.1X	5	104	1
97	FEB	1	2212	46.23	19	24.77	155	16.91	1.82	9	2	.11	.5	.2	SNCL	1.3X	2	125	0
97	FEB	1	2212	54.08	19	25.11	155	16.39	4.34	8	2	.05	.9	1.1	SNCL	1.5X	2	178	1
97	FEB	1	2219	37.33	19	24.80	155	16.64	1.27	15	4	.10	.3	.3	SNCL	1.1X	3	93	1
97	FEB	1	2219	52.13	19	24.72	155	16.35	1.67	18	5	.11	.3	.3	SNCL	1.8X	4	96	1
97	FEB	1	2221	38.97	19	24.16	155	17.17	0.46	12	3	.12	.3	.3	SSCL	2.1X	2	106	1
97	FEB	1	2222	5.94	19	25.52	155	16.43	0.01	12	3	.20	.3	.8	SNCL#	1.9X	2	117	2
97	FEB	1	2222	48.96	19	25.10	155	17.02	2.10	10	1	.08	.6	.3	SNCL	2.2X	1	122	0
97	FEB	1	2227	45.25	19	24.52	155	16.63	1.45	14	4	.06	.3	.2	SSCL	1.4X	4	127	1
97	FEB	1	2228	0.32	19	24.80	155	16.35	0.45	16	4	.10	.2	.4	SNCL	1.4X	4	99	1
97	FEB	1	2228	18.11	19	25.22	155	16.43	1.88	25	7	.09	.3	.2	SNCL	2.2X	5	107	1
97	FEB	1	2231	5.88	19	24.74	155	16.61	1.58	25	7	.11	.3	.2	SNCL	2.2X	4	92	1
97	FEB	1	2232	27.11	19	24.89	155	16.64	0.63	13	4	.09	.3	.3	SNCL	1.1X	2	95	1
97	FEB	1	2232	37.38	19	24.79	155	15.83	0.69	17	5	.13	.2	.4	SNCL	1.8X	3	109	2
97	FEB	1	2233	0.00	19	24.98	155	16.50	0.86	16	5	.08	.2	.3	SNCL	2.1X	2	101	1
97	FEB	1	2236	37.95	19	23.91	155	17.93	1.25	12	4	.08	.6	.4	SSCL	1.4X	4	243	2
97	FEB	1	2236	56.51	19	24.51	155	16.73	1.37	19	5	.13	.3	.2	SSCL	1.9X	3	85	1
97	FEB	1	2242	58.37	19	24.60	155	16.94	2.09	12	1	.10	.5	.3	SNCL	1.9X	2	117	1
97	FEB	1	2243	14.38	19	24.68	155	16.49	1.46	12	3	.11	.4	.4	SNCL	1.8X	2	96	1
97	FEB	1	2243	31.91	19	24.19	155	16.38	1.54	11	3	.16	.4	.5	SECL	1.5X	2	114	1
97	FEB	1	2253	6.05	19	25.00	155	15.92	0.48	9	2	.06	.3	.6	SNCL	1.4X	3	115	2
97	FEB	1	2253	33.04	19	24.42	155	16.73	1.47	8	1	.04	.4	.4	SSCL	1.3X	2	128	1
97	FEB	1	2254	13.94	19	24.63	155	15.92	2.37	10	1	.12	.5	.6	SNCL	1.4X	2	99	2
97	FEB	1	2254	23.36	19	24.08	155	16.96	1.90	8	2	.08	.6	.3	SSCL	1.6X	2	158	1
97	FEB	1	2254	52.02	19	24.86	155	17.02	2.78	9	1	.10	1.0	.4	SNCL	1.4X	3	138	0
97	FEB	1	2257	59.09	19	24.14	155	16.65	2.44	12	4	.12	.7	.5	SSCL	1.4X	4	124	0
97	FEB	1	2258	2.00	19	24.82	155	16.69	2.45	17	5	.10	.4	.3	SNCL	1.8X	3	93	1
97	FEB	1	2258	8.59	19	24.95	155	16.28	0.29	16	4	.10	.2	.4	SNCL	1.8X	3	105	1
97	FEB	1	2258	20.26	19	25.02	155	16.14	0.05	14	4	.10	.2	.5	SNCL	1.6X	2	111	2
97	FEB	1	2258	48.63	19	25.27	155	17.29	2.39	13	4	.10	.7	.3	SNCL	1.5X	2	112	1
97	FEB	1	2305	5.39	19	25.45	155	17.38	2.40	10	2	.08	.9	.3	SNCL	1.3X	2	207	0
97	FEB	1	2305	16.31	19	24.64	155	16.65	0.46	9	1	.10	.4	.3	SNCL	1.5X	3	137	1
97	FEB	1	2305	35.38	19	24.69	155	17.06	2.58	11	2	.11	.5	.2	SNCL	1.8X	2	92	0
97	FEB	1	2309	5.02	19	24.03	155	18.19	4.33	9	2	.08	1.3	1.1	SSCL	1.4X	1	213	2
97	FEB	1	2309	21.36	19	25.32	155	16.39	0.51	13	2	.12	.3	.5	SNCL	1.8X	2	114	1
97	FEB	1	2309	51.69	19	24.54	155	17.26	1.45	7		.04	.8	.3	SNCL	1.5X	1	175	1
97	FEB	1	2312	42.09	19	24.23	155	16.77	1.45	12	3	.10	.3	.2	SSCL	1.5X	2	136	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
97	FEB	1	2316	15.06	19	25.32	155	18.06	2.78	10	2	.07	1.3	.3	SNCL	1.3X	3	288	1
97	FEB	1	2316	36.63	19	24.72	155	16.66	2.79	9	2	.10	.6	.8	SNCL	1.1X	2	143	1
97	FEB	1	2316	39.09	19	23.89	155	16.25	2.58	7	1	.18	.9	.8	SECL	1.5X	2	148	1
97	FEB	1	2316	46.70	19	25.04	155	17.44	2.54	11	2	.11	.7	.3	SNCL	1.7X	2	118	1
97	FEB	1	2318	29.92	19	24.57	155	16.07	1.16	17	5	.11	.2	.4	SNCL	1.6X	4	96	2
97	FEB	1	2318	35.45	19	24.68	155	17.21	2.36	15	4	.11	.5	.2	SNCL	1.8X	2	120	1
97	FEB	1	2319	2.46	19	24.62	155	16.65	1.76	15	4	.11	.4	.2	SNCL	1.3X	4	115	1
97	FEB	1	2319	9.59	19	25.29	155	16.22	1.15	16	4	.10	.2	.5	SNCL	1.5X	4	117	2
97	FEB	1	2319	28.13	19	24.87	155	16.52	1.88	17	4	.12	.4	.3	SNCL	1.7X	4	97	1
97	FEB	1	2323	25.28	19	24.65	155	17.21	2.00	11	1	.05	.4	.2	SNCL	1.6X	2	101	1
97	FEB	1	2324	55.16	19	24.44	155	16.80	1.68	9	2	.09	.4	.3	SSCL	1.1X	3	134	1
97	FEB	1	2325	26.20	19	24.70	155	16.33	1.95	10	2	.13	.5	.4	SNCL	1.7X	3	96	1
97	FEB	1	2325	35.11	19	24.80	155	16.91	1.66	9	1	.07	.4	.3	SNCL	1.6X	2	131	0
97	FEB	1	2327	29.99	19	24.56	155	16.90	2.42	15	4	.11	.4	.3	SNCL	1.9X	3	84	1
97	FEB	1	2330	23.99	19	25.37	155	16.79	2.88	8	2	.08	.6	.7	SNCL	1.5X	2	104	1
97	FEB	1	2330	27.75	19	24.84	155	16.83	1.92	9	1	.12	.8	.4	SNCL	1.7X	3	107	0
97	FEB	1	2330	34.33	19	25.16	155	16.55	1.26	8		.09	.4	.6	SNCL	1.6X	2	104	1
97	FEB	1	2330	52.84	19	24.39	155	16.55	1.35	8	2	.10	.4	.6	SSCL	1.5X	3	122	1
97	FEB	1	2331	2.99	19	24.09	155	18.01	4.86	7	1	.08	2.5	1.8	SSCL	1.9X	3	246	2
97	FEB	1	2331	13.84	19	24.90	155	16.43	1.10	9	2	.11	.4	.6	SNCL	1.3X	1	161	1
97	FEB	1	2333	58.20	19	25.00	155	16.03	0.95	18	4	.11	.2	.4	SNCL	1.5X	4	113	2
97	FEB	1	2334	10.89	19	24.97	155	16.41	2.00	14	4	.10	.3	.4	SNCL	1.4X	3	103	1
97	FEB	1	2334	17.33	19	24.85	155	16.21	1.14	16	4	.10	.2	.4	SNCL	1.6X	4	103	1
97	FEB	1	2338	35.97	19	24.30	155	17.17	2.06	16	5	.10	.4	.3	SSCL	1.6X	4	122	1
97	FEB	1	2338	52.52	19	24.70	155	16.31	1.37	16	4	.11	.3	.3	SNCL	1.3X	3	96	1
97	FEB	1	2339	2.46	19	24.26	155	17.69	2.44	13	4	.11	.7	.3	SSCL	1.6X	3	179	2
97	FEB	1	2339	15.11	19	24.79	155	16.52	1.50	17	4	.10	.3	.3	SNCL	1.6X	4	94	1
97	FEB	1	2341	7.28	19	24.53	155	16.36	0.76	9	2	.18	.4	.7	SECL	1.0X	3	138	1
97	FEB	1	2341	8.35	19	25.83	155	17.31	2.65	13	2	.06	.4	.3	SNCL	2.0X	2	95	1
97	FEB	1	2341	13.81	19	23.91	155	16.88	1.32	11	2	.14	.4	.3	SSCL	1.9X	2	97	0
97	FEB	1	2345	5.94	19	24.46	155	16.93	2.18	13	2	.09	.5	.3	SSCL	1.7X	2	80	1
97	FEB	1	2355	36.19	19	24.48	155	16.99	1.57	11	1	.07	.4	.3	SSCL	1.6X	2	80	1
97	FEB	2	0	17.76	19	24.33	155	16.96	1.61	11	2	.09	.4	.3	SSCL	1.7X	2	95	1
97	FEB	2	0	26.32	19	24.64	155	16.61	1.44	11	2	.10	.3	.3	SNCL	2.0X	2	89	1
97	FEB	2	7	48.70	19	24.53	155	16.77	1.79	12	2	.08	.4	.2	SSCL	1.1X	3	85	1
97	FEB	2	8	8.74	19	24.64	155	17.32	2.60	10	2	.07	.6	.2	SNCL	1.7X	2	109	1
97	FEB	2	8	26.70	19	24.60	155	16.44	1.35	9	2	.12	.3	.6	SNCL	1.4X	3	140	1
97	FEB	2	8	53.72	19	24.72	155	16.73	1.92	19	5	.12	.4	.2	SNCL	1.8X	4	90	1
97	FEB	2	9	6.88	19	24.80	155	16.33	1.49	18	4	.12	.3	.3	SNCL	1.8X	2	99	1
97	FEB	2	9	22.94	19	25.30	155	16.45	2.23	16	4	.08	.4	.4	SNCL	1.6X	2	112	1
97	FEB	2	9	36.89	19	25.57	155	15.75	0.84	15	4	.10	.3	.6	SNCL	1.8X	4	144	3
97	FEB	2	15	7.11	19	25.11	155	16.62	2.61	13	4	.08	.5	.4	SNCL	1.1X	2	102	1
97	FEB	2	15	9.31	19	24.75	155	16.31	1.03	16	4	.10	.2	.4	SNCL	1.3X	3	98	1
97	FEB	2	15	50.39	19	24.82	155	16.33	1.73	15	4	.09	.3	.4	SNCL	1.4X	4	100	1
97	FEB	2	26	3.60	19	24.78	155	16.35	1.10	16	4	.12	.3	.4	SNCL	1.9X	3	97	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
97	FEB	2	35	44.87	19	25.29	155	17.42	2.24	8	1	.13	1.5	.5	SNCL#	1.2X	2	158	0
97	FEB	2	36	2.44	19	24.34	155	16.84	1.78	12	2	.11	.5	.3	SSCL	1.4X	3	89	1
97	FEB	2	36	19.46	19	24.48	155	16.68	1.43	10	2	.07	.4	.4	SSCL	1.6X	3	124	1
97	FEB	2	38	6.13	19	24.53	155	17.11	2.06	12	2	.10	.5	.3	SSCL	1.0X	3	98	1
97	FEB	2	38	17.26	19	24.17	155	16.64	1.89	9	2	.05	.4	.4	SSCL	1.3X	2	124	1
97	FEB	2	38	30.75	19	24.58	155	16.84	2.19	12	2	.11	.5	.3	SNCL	1.6X	1	85	1
97	FEB	2	39	42.45	19	24.30	155	16.88	2.64	11	2	.10	.4	.3	SSCL	1.7X	3	91	1
97	FEB	2	40	27.70	19	24.92	155	16.79	3.41	12	2	.11	.5	.4	SNCL	2.3X	2	93	0
97	FEB	2	42	48.01	19	24.76	155	17.44	2.30	10	1	.08	.7	.3	SNCL	1.7X	2	142	1
97	FEB	2	43	9.64	19	24.98	155	16.87	1.74	11	2	.15	.5	.3	SNCL	1.2X	2	155	0
97	FEB	2	43	17.98	19	24.45	155	16.80	1.62	10	2	.08	.3	.3	SSCL	1.8X	2	134	1
97	FEB	2	43	24.91	19	25.36	155	16.43	0.03	11	1	.09	.3	.5	SNCL#	2.1X	1	113	1
97	FEB	2	43	47.55	19	24.46	155	16.64	0.14	10	1	.09	.3	.4	SSCL	2.2X	2	122	1
97	FEB	2	47	43.47	19	24.98	155	16.15	1.73	21	5	.11	.2	.3	SNCL	1.7X	3	109	1
97	FEB	2	47	58.59	19	24.64	155	16.46	0.15	20	7	.11	.2	.3	SNCL	1.7X	5	91	1
97	FEB	2	50	44.65	19	24.67	155	16.81	1.90	17	5	.09	.4	.2	SNCL	1.7X	4	87	1
97	FEB	2	51	5.94	19	24.83	155	16.25	1.53	18	5	.11	.3	.3	SNCL	1.7X	4	101	1
97	FEB	2	57	46.84	19	24.75	155	16.55	1.62	13	2	.10	.5	.3	SNCL	1.7X	2	93	1
97	FEB	2	58	7.45	19	24.12	155	16.68	1.56	12	3	.15	.4	.3	SSCL	1.5X	2	87	0
97	FEB	2	58	51.28	19	24.36	155	16.67	1.73	19	5	.12	.3	.2	SSCL	1.6X	5	81	1
97	FEB	2	59	14.93	19	24.86	155	16.09	0.53	17	4	.10	.2	.4	SNCL	1.6X	4	106	2
97	FEB	2	59	24.09	19	24.72	155	16.24	0.54	19	5	.09	.2	.3	SNCL	1.6X	3	98	1
97	FEB	2	100	31.06	19	25.01	155	16.84	1.77	10	3	.06	.3	.4	SNCL	1.5X	2	158	0
97	FEB	2	100	37.30	19	25.22	155	15.65	1.31	9	2	.08	.4	.7	SNCL	2.3X	2	133	2
97	FEB	2	100	47.83	19	25.42	155	14.98	1.83	9	2	.14	1.4	.7	SNCL	2.2X	2	230	2
97	FEB	2	101	29.25	19	24.80	155	16.45	2.60	16	5	.08	.3	.3	SNCL	2.0X	3	97	1
97	FEB	2	104	58.55	19	25.55	155	16.97	1.85	16	4	.07	.4	.3	SNCL	.8X	3	102	1
97	FEB	2	105	15.31	19	25.04	155	16.43	1.98	17	5	.07	.3	.3	SNCL	1.5X	4	104	1
97	FEB	2	105	24.00	19	24.64	155	16.51	0.36	17	5	.09	.2	.3	SNCL	1.4X	3	92	1
97	FEB	2	105	43.90	19	24.66	155	16.51	2.33	18	4	.10	.4	.3	SNCL	1.4X	3	91	1
97	FEB	2	121	28.45	19	24.46	155	16.81	0.44	18	5	.08	.3	.2	SSCL	1.0X	3	82	1
97	FEB	2	121	30.87	19	24.98	155	16.55	0.69	19	5	.11	.2	.3	SNCL	1.6X	4	100	1
97	FEB	2	122	3.47	19	24.25	155	17.51	1.45	18	5	.10	.4	.2	SSCL	1.7X	4	84	1
97	FEB	2	122	14.58	19	24.94	155	16.09	0.93	18	5	.13	.2	.4	SNCL	1.5X	3	109	2
97	FEB	2	122	17.58	19	25.18	155	16.32	1.52	21	5	.10	.2	.3	SNCL	2.1X	5	109	1
97	FEB	2	125	45.08	19	24.44	155	17.21	1.84	16	4	.08	.4	.2	SSCL	1.9X	2	80	1
97	FEB	2	126	9.18	19	24.10	155	16.59	1.65	9	2	.10	.6	.3	SSCL	1.5X	2	119	0
97	FEB	2	129	8.53	19	24.95	155	16.97	1.78	11	1	.09	.5	.3	SNCL	1.8X	2	91	0
97	FEB	2	129	36.58	19	24.33	155	16.79	1.93	11	3	.08	.6	.3	SSCL	1.5X	2	136	1
97	FEB	2	135	4.41	19	24.48	155	17.01	1.81	12	3	.07	.4	.2	SSCL	1.1X	2	94	1
97	FEB	2	135	10.06	19	25.21	155	16.89	1.72	11	2	.13	.5	.3	SNCL	1.7X	2	98	1
97	FEB	2	135	49.51	19	24.59	155	16.53	2.02	10	2	.11	.4	.5	SNCL	1.5X	3	138	1
97	FEB	2	136	0.13	19	24.69	155	17.03	1.80	12	1	.12	.5	.3	SNCL	2.2X	2	84	0
97	FEB	2	137	9.34	19	24.62	155	16.74	2.12	16	5	.10	.4	.2	SNCL	1.7X	4	129	1
97	FEB	2	137	49.21	19	23.62	155	18.25	2.06	11	4	.10	.6	.8	SSCL	1.9X	1	261	2

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ						
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	FEB	2	143	14.67	19	24.33	155	16.72	1.60	18	4	.10	.3	.2	SSCL		1.6X	3	81	1
97	FEB	2	149	11.98	19	24.57	155	16.75	2.02	18	4	.09	.4	.2	SNCL		1.6X	4	86	1
97	FEB	2	150	3.54	19	23.11	155	16.59	2.14	11	4	.09	.8	.3	SSCL		1.8X	3	173	1
97	FEB	2	154	56.86	19	24.76	155	16.86	2.45	20	5	.08	.4	.2	SNCL		1.9X	5	88	0
97	FEB	2	159	20.42	19	24.99	155	16.25	0.90	17	4	.08	.2	.4	SNCL		1.6X	4	107	1
97	FEB	2	201	44.47	19	24.59	155	16.53	1.73	13	3	.09	.3	.3	SNCL		1.5X	3	89	1
97	FEB	2	202	38.57	19	25.04	155	16.28	2.06	12	2	.09	.3	.4	SNCL		1.9X	2	108	1
97	FEB	2	205	55.36	19	24.22	155	16.82	1.78	18	4	.09	.3	.2	SSCL		1.6X	3	76	1
97	FEB	2	209	48.08	19	25.34	155	17.39	2.13	10	1	.11	.8	.3	SNCL		1.3X	3	176	0
97	FEB	2	210	29.53	19	24.86	155	17.84	2.75	8	2	.04	1.2	.4	SNCL		1.2X	2	234	1
97	FEB	2	210	42.90	19	24.55	155	16.31	2.45	9	3	.13	.6	.8	SNCL		1.4X	3	92	1
97	FEB	2	210	50.00	19	25.36	155	16.62	2.08	7	1	.05	.8	.7	SNCL		1.4X	2	194	1
97	FEB	2	212	55.94	19	24.73	155	16.79	2.51	20	5	.12	.4	.2	SNCL		1.8X	4	90	0
97	FEB	2	213	56.65	19	18.06	155	4.56	47.08	37	5	.10	1.1	1.0	DEP		2.3X	3	205	6
97	FEB	2	219	1.68	19	24.38	155	16.80	0.98	15	4	.10	.3	.2	SSCL		1.1X	3	88	1
97	FEB	2	219	23.08	19	25.47	155	16.25	1.22	16	4	.08	.2	.5	SNCL		1.4X	4	113	2
97	FEB	2	223	29.87	19	24.36	155	16.72	1.53	9	1	.09	.6	.4	SSCL		.8X	2	129	1
97	FEB	2	223	31.20	19	25.82	155	17.46	2.27	12	2	.11	.8	.3	SNCL		1.6X	2	169	1
97	FEB	2	225	1.01	19	24.66	155	16.80	2.58	14	4	.09	.5	.3	SNCL		1.1X	4	127	1
97	FEB	2	225	3.82	19	24.51	155	16.32	0.80	16	4	.11	.2	.4	SECL		1.5X	4	89	1
97	FEB	2	225	28.51	19	24.55	155	16.63	1.32	15	4	.08	.3	.2	SNCL		1.1X	4	86	1
97	FEB	2	230	5.57	19	24.31	155	16.75	1.83	13	3	.08	.4	.2	SSCL		1.6X	2	87	1
97	FEB	2	232	50.67	19	25.53	155	16.86	2.48	10	1	.08	.6	.5	SNCL		2.1X	2	105	1
97	FEB	2	233	43.90	19	24.51	155	16.69	1.19	8	1	.06	.4	.5	SSCL		1.4X	1	124	1
97	FEB	2	241	25.88	19	24.21	155	18.50	2.65	13	4	.07	.8	.5	SSCL		1.7X	4	203	3
97	FEB	2	244	54.36	19	24.66	155	16.84	2.57	8	2	.04	.8	.6	SNCL		.7X	1	143	1
97	FEB	2	245	12.95	19	24.71	155	19.22	1.41	10	2	.09	.7	.7	KAOL		1.4X	2	299	3
97	FEB	2	247	12.73	19	25.14	155	16.47	1.03	20	5	.11	.2	.3	SNCL		1.8X	5	106	1
97	FEB	2	252	26.23	19	24.23	155	16.89	1.72	11	2	.17	.6	.4	SSCL		1.6X	3	94	1
97	FEB	2	254	16.94	19	24.80	155	16.25	3.37	11	2	.15	.6	.5	SNCL		1.6X	3	100	1
97	FEB	2	254	31.34	19	24.33	155	16.57	1.61	9	2	.05	.3	.4	SSCL		1.7X	3	117	1
97	FEB	2	254	43.97	19	25.11	155	18.84	1.34	7	1	.09	1.3	1.2	SNCL		1.6X	2	321	3
97	FEB	2	258	41.44	19	24.72	155	16.72	1.80	14	4	.08	.4	.2	SNCL		1.3X	4	90	1
97	FEB	2	303	5.31	19	24.49	155	16.67	2.18	11	2	.11	.6	.3	SSCL		1.5X	2	85	1
97	FEB	2	303	11.89	19	25.15	155	15.95	0.62	10	2	.12	.4	.9	SNCL		1.8X	2	120	2
97	FEB	2	310	6.04	19	25.06	155	16.00	1.42	17	5	.10	.3	.4	SNCL		1.7X	4	115	2
97	FEB	2	310	39.22	19	24.55	155	16.47	1.10	16	4	.12	.3	.3	SNCL		1.4X	4	89	1
97	FEB	2	311	4.49	19	24.67	155	16.23	0.20	15	5	.10	.2	.4	SNCL		1.6X	4	96	1
97	FEB	2	311	34.60	19	24.70	155	16.42	1.54	18	5	.12	.3	.3	SNCL		1.8X	3	94	1
97	FEB	2	314	15.55	19	24.50	155	17.04	2.64	12	2	.09	.5	.3	SSCL		1.9X	2	80	1
97	FEB	2	318	28.18	19	25.36	155	16.90	2.38	9	2	.09	.9	.6	SNCL		.9X	2	191	1
97	FEB	2	319	6.72	19	24.59	155	16.84	1.67	9	1	.10	.4	.4	SNCL		1.0X	1	113	1
97	FEB	2	321	48.19	19	24.54	155	17.34	1.98	9	1	.07	.8	.3	SNCL		1.4X	3	183	1
97	FEB	2	322	11.07	19	24.34	155	16.51	0.89	9	2	.05	.2	.4	SSCL		1.3X	2	119	1
97	FEB	2	323	49.49	19	24.71	155	16.41	1.15	13	4	.12	.3	.4	SNCL		1.4X	4	94	1

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ						
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	FEB	2	324	3.40	19	24.69	155	16.54	1.22	16	4	.10	.3	.3	SNCL		1.5X	3	99	1
97	FEB	2	334	27.04	19	24.41	155	16.76	1.80	16	4	.11	.4	.2	SSCL		1.3X	4	82	1
97	FEB	2	341	11.54	19	24.75	155	16.74	1.39	19	5	.12	.3	.2	SNCL		2.0X	4	90	1
97	FEB	2	343	45.05	19	25.20	155	16.22	0.01	16	4	.10	.2	.5	SNCL#		1.4X	4	112	1
97	FEB	2	343	52.14	19	25.04	155	16.42	1.69	18	4	.11	.3	.3	SNCL		1.9X	3	105	1
97	FEB	2	350	46.93	19	24.33	155	17.58	2.77	9	1	.13	1.0	.5	SSCL		1.6X	3	171	1
97	FEB	2	359	18.06	19	24.63	155	16.47	1.52	11	1	.13	.4	.3	SNCL		1.7X	2	91	1
97	FEB	2	359	50.36	19	24.91	155	16.42	2.11	12	3	.09	.5	.4	SNCL		1.9X	3	100	1
97	FEB	2	403	28.49	19	24.62	155	16.86	3.26	11	2	.12	.6	.4	SNCL		2.0X	1	85	1
97	FEB	2	404	52.80	19	24.62	155	16.28	1.91	10	2	.08	.3	.6	SNCL		1.7X	3	146	1
97	FEB	2	405	21.83	19	24.85	155	16.65	2.01	10	2	.11	.5	.5	SNCL		1.5X	3	94	1
97	FEB	2	410	27.70	19	24.83	155	16.59	1.14	7		.12	.4	.7	SNCL		1.0X	3	95	1
97	FEB	2	410	54.05	19	24.89	155	16.98	1.89	9	1	.08	.7	.3	SNCL		1.5X	3	89	0
97	FEB	2	411	2.09	19	24.70	155	16.37	0.04	8	1	.06	.3	.4	SNCL		1.6X	2	149	1
97	FEB	2	413	16.53	19	24.19	155	18.79	1.69	11	4	.07	.5	.8	SSCL		1.9X	1	280	3
97	FEB	2	413	35.97	19	25.08	155	17.07	2.71	10	2	.11	.9	.5	SNCL		1.6X	2	128	0
97	FEB	2	419	5.82	19	24.88	155	15.99	1.68	9	1	.06	.3	.7	SNCL		1.6X	2	109	2
97	FEB	2	420	19.17	19	25.04	155	16.13	0.07	8	1	.08	.3	.6	SNCL		1.6X	2	111	2
97	FEB	2	427	34.85	19	24.86	155	16.42	1.92	15	4	.10	.3	.4	SNCL		1.7X	4	99	1
97	FEB	2	430	30.97	19	24.74	155	16.91	1.65	11	1	.13	.5	.3	SNCL		2.0X	3	115	0
97	FEB	2	431	17.54	19	24.21	155	17.18	2.15	12	3	.08	.4	.3	SSCL		1.5X	3	106	1
97	FEB	2	433	44.01	19	24.19	155	17.80	2.15	9	2	.03	1.0	.5	SSCL		1.5X	3	234	2
97	FEB	2	434	4.29	19	24.59	155	16.59	1.38	9	2	.12	.4	.6	SNCL		1.3X	2	136	1
97	FEB	2	434	18.43	19	24.70	155	16.83	2.03	9	1	.10	.7	.4	SNCL		1.5X	2	129	0
97	FEB	2	446	37.65	19	24.46	155	16.48	0.53	7		.03	.4	.5	SECL		1.5X	3	110	1
97	FEB	2	447	35.74	19	24.59	155	16.42	1.32	9	2	.11	.3	.5	SNCL		1.5X	1	141	1
97	FEB	2	448	10.14	19	24.72	155	15.84	0.01	8	2	.11	.3	.8	SNCL#		1.7X	2	158	2
97	FEB	2	452	51.85	19	24.22	155	16.81	2.22	10	2	.11	.7	.5	SSCL		1.4X	3	139	1
97	FEB	2	453	14.09	19	24.30	155	16.83	2.35	8	2	.06	.6	.5	SSCL		1.4X	2	140	1
97	FEB	2	458	29.06	19	23.94	155	17.49	2.90	11	3	.12	.9	.5	SSCL		1.9X	2	184	1
97	FEB	2	500	27.43	19	24.82	155	17.10	2.04	9	1	.10	.5	.3	SNCL		1.9X	3	89	0
97	FEB	2	501	6.04	19	24.99	155	16.29	0.02	8	2	.15	.4	.9	SNCL#		1.3X	3	170	1
97	FEB	2	506	2.56	19	24.16	155	16.82	1.78	10	2	.06	.4	.3	SSCL		1.7X	2	92	1
97	FEB	2	506	19.58	19	24.62	155	16.34	0.75	9	2	.08	.2	.4	SNCL		1.2X	3	144	1
97	FEB	2	510	37.48	19	24.87	155	16.06	0.50	9	1	.05	.3	.5	SNCL		1.4X	2	107	2
97	FEB	2	511	13.05	19	24.75	155	17.10	1.93	10		.11	.6	.4	SNCL		2.2X	2	77	0
97	FEB	2	511	58.10	19	25.05	155	17.38	1.33	12	1	.11	.4	.2	SNCL		2.0X	1	84	1
97	FEB	2	517	33.75	19	24.63	155	16.43	1.63	10	2	.09	.4	.5	SNCL		1.3X	3	95	1
97	FEB	2	517	44.86	19	23.72	155	18.66	0.00	10	2	.18	.5	.9	SSCL#		2.2X	1	218	3
97	FEB	2	518	27.40	19	24.39	155	16.74	1.77	10	2	.10	.5	.4	SSCL		1.6X	3	131	1
97	FEB	2	518	38.01	19	24.79	155	16.33	3.86	10	2	.04	.6	.4	SNCL		2.0X	2	99	1
97	FEB	2	524	57.10	19	24.75	155	16.24	1.05	11	2	.15	.3	.6	SNCL		1.4X	3	99	1
97	FEB	2	525	19.39	19	25.30	155	16.31	0.02	10	2	.13	.3	.7	SNCL#		1.5X	3	115	1
97	FEB	2	527	8.76	19	24.64	155	16.48	1.37	10	2	.05	.3	.4	SNCL		1.3X	2	98	1
97	FEB	2	527	22.13	19	24.56	155	17.51	2.48	11	2	.09	.8	.4	SNCL		1.5X	3	161	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
97	FEB	2	528	30.15	19	24.27	155	16.55	1.39	10	2	.09	.5	.4	SSCL	1.1X	3	116	1
97	FEB	2	528	51.09	19	24.53	155	17.15	2.07	10	1	.10	.7	.3	SSCL	1.6X	3	143	1
97	FEB	2	529	9.26	19	24.46	155	15.56	0.03	10	2	.17	.3	.8	SECL#	1.4X	3	96	2
97	FEB	2	542	48.53	19	24.18	155	17.06	2.02	12	3	.10	.6	.3	SSCL	1.2X	2	101	1
97	FEB	2	542	59.98	19	24.31	155	16.94	2.31	10	2	.07	.5	.3	SSCL	1.4X	3	95	1
97	FEB	2	543	21.83	19	24.39	155	16.88	2.25	10	2	.06	.4	.3	SSCL	1.6X	2	95	1
97	FEB	2	545	6.22	19	24.51	155	18.97	0.70	8	2	.09	.7	.9	SSCL	1.6X	2	290	3
97	FEB	2	545	32.65	19	24.25	155	16.80	1.73	9	2	.12	.5	.6	SSCL	1.4X	3	138	1
97	FEB	2	545	50.03	19	25.03	155	16.32	0.04	6	1	.12	.3	.7	SNCL#	1.1X	3	173	1
97	FEB	2	545	59.98	19	24.57	155	16.32	1.52	11	2	.13	.4	.5	SNCL	1.8X	2	92	1
97	FEB	2	554	21.29	19	26.28	155	17.11	0.02	12	2	.28	.6	1.0	SNCL#	2.0X	2	106	2
97	FEB	2	555	15.50	19	24.67	155	16.93	1.79	10		.09	.5	.3	SNCL	1.8X	2	85	0
97	FEB	2	601	19.26	19	25.05	155	16.35	1.34	10	2	.12	.3	.5	SNCL	1.4X	3	106	1
97	FEB	2	604	5.65	19	23.60	155	19.12	1.85	9	2	.09	.8	1.0	KAOL	1.5X	2	277	4
97	FEB	2	604	25.77	19	24.78	155	17.09	2.83	12	2	.10	.6	.4	SNCL	1.7X	2	77	0
97	FEB	2	608	38.86	19	24.73	155	17.63	3.18	9	2	.06	.8	.3	SNCL	1.7X	3	132	1
97	FEB	2	608	44.05	19	24.74	155	16.15	0.33	10	2	.10	.3	.5	SNCL	1.6X	2	155	2
97	FEB	2	610	9.13	19	25.42	155	16.04	1.77	11	2	.09	.4	.6	SNCL	1.9X	2	128	2
97	FEB	2	616	10.12	19	24.68	155	16.92	2.21	8	1	.08	.5	.2	SNCL	1.1X	3	107	0
97	FEB	2	616	47.33	19	24.64	155	17.27	3.41	13	3	.12	.7	.4	SNCL	1.7X	3	80	1
97	FEB	2	616	52.18	19	24.70	155	15.91	0.03	10	1	.11	.3	.8	SNCL#	1.7X	2	103	2
97	FEB	2	617	23.78	19	24.53	155	16.56	1.82	8		.06	.3	.4	SSCL	1.8X	1	133	1
97	FEB	2	623	31.20	19	24.27	155	16.63	1.32	8	2	.07	.4	.4	SSCL	1.1X	2	122	1
97	FEB	2	624	13.34	19	24.20	155	16.97	1.69	10	1	.09	.4	.3	SSCL	1.2X	3	97	1
97	FEB	2	624	24.09	19	24.73	155	16.90	2.24	11	1	.09	.5	.3	SNCL	1.5X	2	88	0
97	FEB	2	624	46.64	19	24.59	155	18.83	3.35	10	2	.10	1.6	.5	SNCL	2.0X	2	264	3
97	FEB	2	625	11.54	19	24.39	155	19.38	2.46	9	1	.12	2.0	1.3	KAOL	1.9X	2	276	4
97	FEB	2	635	53.27	19	24.41	155	16.91	1.97	12	2	.11	.4	.3	SSCL	1.7X	2	80	1
97	FEB	2	638	44.05	19	24.36	155	17.06	2.00	12	1	.09	.4	.2	SSCL	2.1X	2	79	1
97	FEB	2	645	41.86	19	24.78	155	16.58	2.82	10	2	.11	.6	.6	SNCL	2.1X	2	94	1
97	FEB	2	646	0.84	19	24.54	155	16.20	0.99	11	2	.13	.3	.6	SNCL	1.5X	2	93	1
97	FEB	2	646	15.01	19	24.70	155	16.15	0.04	8	2	.09	.3	.5	SNCL#	1.5X	2	152	2
97	FEB	2	653	26.26	19	25.02	155	16.71	2.27	10	2	.09	.8	.3	SNCL	1.4X	2	98	1
97	FEB	2	656	54.57	19	24.79	155	15.61	1.76	10	2	.09	.5	.6	SNCL	1.4X	3	167	2
97	FEB	2	657	3.52	19	24.84	155	16.67	0.82	10	1	.12	.3	.4	SNCL	1.7X	2	94	1
97	FEB	2	657	21.86	19	24.48	155	16.33	0.34	11	2	.13	.2	.5	SECL	1.8X	2	88	1
97	FEB	2	700	38.52	19	24.89	155	16.11	0.04	8	2	.14	.3	.9	SNCL#	1.1X	3	110	2
97	FEB	2	700	53.36	19	24.40	155	16.29	1.50	7	1	.13	.4	.7	SECL	1.6X	2	132	1
97	FEB	2	703	57.52	19	24.26	155	16.74	1.59	8	2	.10	.6	.5	SSCL	1.0X	2	133	1
97	FEB	2	704	19.92	19	24.16	155	16.97	2.06	11	2	.11	.5	.3	SSCL	1.4X	2	98	1
97	FEB	2	709	23.34	19	24.54	155	17.64	2.27	9		.11	.7	.4	SSCL	1.5X	2	167	1
97	FEB	2	715	24.38	19	24.73	155	16.23	0.82	10	2	.14	.3	.7	SNCL	1.5X	2	99	1
97	FEB	2	716	16.93	19	24.60	155	17.01	2.09	11	2	.11	.6	.2	SNCL	1.7X	2	91	1
97	FEB	2	717	48.50	19	24.27	155	16.57	1.18	10	2	.12	.4	.5	SSCL	1.2X	3	118	1
97	FEB	2	718	7.39	19	24.52	155	16.31	1.67	10	2	.06	.3	.5	SECL	1.5X	2	93	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
97	FEB	2	718	25.01	19	24.37	155	16.72	1.64	10	2	.11	.6	.4	SSCL	1.3X	3	130	1
97	FEB	2	723	52.19	19	21.18	155	16.16	1.28	12	3	.07	.3	.5	KOA	1.7X	1	136	2
97	FEB	2	724	19.63	19	25.05	155	15.65	0.03	10	2	.19	.3	1.0	SNCL#	1.8X	2	154	2
97	FEB	2	730	15.62	19	21.43	155	16.16	1.67	33	2	.10	.3	.4	KOA	2.5X	1	110	2
97	FEB	2	738	5.39	19	24.71	155	16.01	0.00	9	2	.10	.2	.5	SNCL#	1.5X	3	102	2
97	FEB	2	738	49.89	19	24.27	155	16.71	1.53	9	1	.02	.4	.3	SSCL	1.2X	3	102	1
97	FEB	2	739	0.68	19	24.76	155	17.48	4.02	8	2	.07	1.2	1.0	SNCL	1.9X	1	191	1
97	FEB	2	739	21.62	19	24.53	155	16.30	0.94	10	2	.12	.3	.6	SECL	1.3X	2	91	1
97	FEB	2	747	10.67	19	25.64	155	15.85	0.01	9	2	.20	.8	1.2	SNCL#	1.6X	2	221	2
97	FEB	2	753	5.17	19	24.93	155	16.38	1.42	9	2	.05	.3	.6	SNCL			164	1
97	FEB	2	753	16.30	19	24.42	155	16.46	1.31	8	2	.04	.3	.4	SECL	1.4X	2	128	1
97	FEB	2	753	18.83	19	24.65	155	17.79	3.02	10	2	.07	.7	.4	SNCL	1.8X	2	143	1
97	FEB	2	759	24.53	19	24.10	155	16.76	2.62	8	2	.09	.8	.7	SSCL	1.7X	2	135	0
97	FEB	2	812	42.32	19	24.57	155	17.54	2.38	12	2	.09	.6	.3	SNCL	1.7X	3	84	1
97	FEB	2	816	59.99	19	24.69	155	15.45	2.53	9	2	.06	.5	.5	SNCL	1.5X	2	160	2
97	FEB	2	817	4.27	19	25.71	155	16.82	1.31	13	1	.14	.4	.4	SNCL	2.1X	1	110	1
97	FEB	2	818	29.64	19	21.51	155	16.34	1.98	18	4	.09	.3	.4	KOA	1.9X	1	128	2
97	FEB	2	819	44.61	19	24.46	155	16.89	2.62	8	1	.07	.5	.6	SSCL	1.5X	2	142	1
97	FEB	2	819	57.95	19	24.86	155	16.27	2.17	11	2	.20	.5	.6	SNCL	2.0X	2	102	1
97	FEB	2	824	5.67	19	24.81	155	15.91	1.52	11	2	.08	.3	.5	SNCL	1.5X	3	107	2
97	FEB	2	824	49.25	19	24.11	155	16.98	1.97	11	2	.08	.4	.3	SSCL	1.5X	2	99	1
97	FEB	2	828	57.07	19	24.74	155	16.77	3.12	12	2	.12	.5	.4	SNCL	1.9X	2	90	1
97	FEB	2	829	56.54	19	24.48	155	17.12	2.25	13	1	.10	.5	.3	SSCL	2.0X	1	79	1
97	FEB	2	836	39.10	19	24.61	155	16.65	1.51	9	2	.05	.4	.4	SNCL	.7X	3	136	1
97	FEB	2	836	48.95	19	23.96	155	16.40	1.32	8	2	.09	.3	.4	SECL	1.2X	3	100	0
97	FEB	2	839	25.01	19	24.33	155	16.94	1.79	13	2	.10	.4	.3	SSCL	1.7X	2	77	1
97	FEB	2	848	24.24	19	24.50	155	17.07	2.55	11	2	.11	.8	.3	SSCL	1.7X	3	140	1
97	FEB	2	849	16.96	19	24.46	155	17.06	1.52	10	2	.12	.6	.3	SSCL	1.8X	2	147	1
97	FEB	2	857	46.48	19	23.62	155	16.72	1.06	10	2	.10	.4	.3	SSCL	1.3X	3	93	1
97	FEB	2	858	29.99	19	26.24	155	16.02	2.97	9	2	.12	1.5	.9	SNCL	1.5X	2	253	3
97	FEB	2	907	18.85	19	24.57	155	16.64	2.38	12	2	.12	.4	.2	SNCL	2.0X	2	87	1
97	FEB	2	911	7.60	19	25.04	155	16.86	2.74	11	2	.10	.5	.3	SNCL	1.8X	3	95	0
97	FEB	2	921	5.07	19	21.47	155	16.03	1.60	20	4	.09	.2	.3	KOA	2.2X	2	98	2
97	FEB	2	929	2.32	19	24.59	155	17.29	2.78	8	2	.10	.9	.5	SNCL	1.4X	3	177	1
97	FEB	2	929	7.61	19	25.63	155	17.75	6.71	11	2	.11	1.5	.8	INTL	2.4X	3	160	1
97	FEB	2	932	55.21	19	24.94	155	16.27	1.99	10	2	.12	.4	.5	SNCL	1.9X	2	166	1
97	FEB	2	933	14.60	19	24.71	155	16.92	0.67	6		.03	.5	.3	SNCL	1.8X	1	137	0
97	FEB	2	933	59.00	19	24.55	155	17.14	2.09	9	2	.08	.6	.3	SNCL	1.5X	2	99	1
97	FEB	2	942	2.28	19	24.62	155	16.10	1.76	9	2	.08	.4	.5	SNCL	1.7X	2	149	2
97	FEB	2	942	8.11	19	25.13	155	17.20	2.83	11	2	.09	.6	.3	SNCL	2.5X	1	152	1
97	FEB	2	949	4.44	19	24.40	155	16.72	1.95	11	2	.08	.4	.3	SSCL	1.6X	3	84	1
97	FEB	2	952	41.45	19	24.13	155	17.02	3.18	12	2	.12	.5	.3	SSCL	2.0X	2	78	1
97	FEB	2	957	59.89	19	24.42	155	16.21	2.11	10	1	.17	.5	.7	SECL	1.6X	2	88	1
97	FEB	2	958	7.90	19	25.16	155	16.59	1.80	12	2	.15	.4	.5	SNCL	2.0X	1	103	1
97	FEB	2	958	43.57	19	24.49	155	16.47	1.15	9	2	.12	.4	.5	SECL	1.1X	3	133	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
97	FEB	2	1000	5.75	19	24.15	155	16.66	1.79	11	2	.12	.5	.3	SSCL	1.5X	2	87	0
97	FEB	2	1000	25.70	19	24.64	155	16.22	1.01	18	4	.12	.2	.3	SNCL	1.3X	4	95	1
97	FEB	2	1005	51.68	19	24.85	155	17.96	2.50	10	2	.08	.7	.3	SNCL	1.9X	2	171	1
97	FEB	2	1008	13.28	19	24.20	155	16.92	1.88	17	4	.08	.4	.2	SSCL	1.6X	4	119	1
97	FEB	2	1008	34.77	19	24.58	155	16.26	1.17	17	4	.09	.2	.3	SNCL	1.4X	3	93	1
97	FEB	2	1012	25.63	19	24.75	155	16.22	2.00	10	2	.09	.5	.3	SNCL	2.2X	2	155	1
97	FEB	2	1013	13.82	19	24.20	155	16.90	1.56	12	2	.09	.4	.2	SSCL	1.5X	2	94	1
97	FEB	2	1032	13.00	19	25.36	155	16.11	0.03	12	2	.15	.4	.7	SNCL#	1.9X	2	123	2
97	FEB	2	1039	4.82	19	24.99	155	16.04	1.97	17	4	.09	.3	.4	SNCL	1.4X	4	112	2
97	FEB	2	1039	11.62	19	25.03	155	16.05	0.30	16	4	.10	.2	.5	SNCL	1.5X	3	114	2
97	FEB	2	1040	27.16	19	25.59	155	16.76	3.39	9	1	.07	.8	.5	SNCL	2.0X	2	109	1
97	FEB	2	1040	58.02	19	24.75	155	16.71	3.00	9	2	.07	.5	.5	SNCL	2.2X	1	110	1
97	FEB	2	1045	1.18	19	24.82	155	15.89	0.51	18	4	.11	.2	.4	SNCL	2.0X	2	109	2
97	FEB	2	1045	12.05	19	25.09	155	16.55	3.17	17	4	.08	.4	.3	SNCL	2.0X	4	103	1
97	FEB	2	1048	34.88	19	24.90	155	16.64	2.59	16	4	.09	.4	.3	SNCL	1.5X	4	95	1
97	FEB	2	1048	48.68	19	24.64	155	16.42	1.91	17	4	.10	.3	.3	SNCL	1.8X	3	92	1
97	FEB	2	1050	9.47	19	24.56	155	16.43	1.91	18	4	.09	.3	.3	SNCL	1.8X	4	90	1
97	FEB	2	1054	42.86	19	15.89	155	23.73	4.09	26		.12	.6	1.5	SWR	1.5X	2	107	3
97	FEB	2	1057	3.90	19	24.54	155	16.09	2.61	16	4	.14	.4	.5	SNCL	1.5X	4	94	1
97	FEB	2	1100	48.91	19	24.62	155	17.03	2.40	17	4	.09	.4	.2	SNCL	1.7X	3	83	1
97	FEB	2	1108	14.83	19	24.70	155	16.37	1.94	18	4	.12	.3	.3	SNCL	1.4X	4	95	1
97	FEB	2	1112	37.03	19	24.68	155	16.70	1.67	18	4	.11	.3	.2	SNCL	1.8X	3	89	1
97	FEB	2	1115	54.07	19	24.63	155	16.36	0.54	14	4	.07	.2	.4	SNCL	1.8X	3	93	1
97	FEB	2	1117	51.99	19	25.00	155	15.85	3.16	14	4	.12	.4	.6	SNCL	1.5X	2	117	2
97	FEB	2	1118	4.70	19	20.06	155	8.36	8.15	33	7	.12	.5	.6	SF4	1.7X	4	106	5
97	FEB	2	1118	5.86	19	25.10	155	15.73	1.12	15	4	.08	.3	.5	SNCL	1.2X	1	125	2
97	FEB	2	1118	24.21	19	24.87	155	16.85	2.45	15	4	.11	.5	.2	SNCL	1.8X	3	91	0
97	FEB	2	1120	17.65	19	24.46	155	17.04	3.35	17	4	.11	.6	.3	SSCL	1.8X	3	119	1
97	FEB	2	1120	44.37	19	24.74	155	16.41	2.51	17	4	.08	.4	.3	SNCL	2.2X	3	95	1
97	FEB	2	1125	13.00	19	24.90	155	16.44	2.03	16	4	.11	.3	.3	SNCL	1.3X	4	100	1
97	FEB	2	1127	8.06	19	23.83	155	16.83	1.82	10	1	.11	.5	.3	SSCL	1.5X	1	78	0
97	FEB	2	1127	27.86	19	24.01	155	17.03	1.42	11	3	.07	.3	.2	SSCL	2.2X	2	78	1
97	FEB	2	1131	5.05	19	24.50	155	16.09	1.66	12	4	.07	.3	.4	SECL	1.8X	4	140	1
97	FEB	2	1133	31.44	19	24.61	155	17.00	2.35	12	1	.10	.5	.3	SNCL	2.2X	2	83	1
97	FEB	2	1134	25.13	19	25.08	155	16.66	1.75	10	2	.11	.5	.5	SNCL	1.7X	2	100	1
97	FEB	2	1142	10.76	19	24.61	155	16.76	1.96	22	6	.10	.3	.2	SNCL	2.3X	4	87	1
97	FEB	2	1148	57.61	19	25.16	155	16.44	1.75	7	1	.09	.7	.7	SNCL	1.5X	3	180	1
97	FEB	2	1149	54.73	19	24.28	155	16.87	1.80	9	2	.10	.6	.4	SSCL	1.4X	2	144	1
97	FEB	2	1150	15.50	19	24.56	155	16.06	3.34	9	2	.14	.8	1.3	SNCL	1.7X	2	145	2
97	FEB	2	1152	4.43	19	21.02	155	15.79	2.70	13	2	.12	.4	.8	KOA	1.9X	1	143	3
97	FEB	2	1152	30.20	19	23.97	155	19.64	2.19	9	1	.11	1.0	1.0	KAOL	2.1X	2	283	4
97	FEB	2	1159	29.64	19	24.92	155	15.81	2.82	14	4	.08	.4	.6	SNCL	1.3X	4	115	2
97	FEB	2	1200	50.98	19	24.50	155	16.91	1.92	19	4	.11	.4	.2	SSCL	1.8X	3	82	1
97	FEB	2	1201	0.10	19	24.79	155	16.65	1.53	20	4	.10	.3	.2	SNCL	1.6X	4	92	1
97	FEB	2	1202	23.63	19	24.78	155	16.31	1.85	14	3	.12	.3	.3	SNCL	2.1X	2	99	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
97	FEB	2	1206	59.30	19	24.63	155	17.62	2.23	9		.09	1.1	.3	SNCL	1.7X	1	184	1
97	FEB	2	1208	8.76	19	24.28	155	16.99	1.90	13	1	.12	.5	.3	SSCL	2.1X	2	78	1
97	FEB	2	1209	32.88	19	24.60	155	16.99	2.35	10	1	.09	.6	.3	SNCL	1.6X	2	139	1
97	FEB	2	1212	52.52	19	24.56	155	16.55	1.43	17	4	.10	.3	.2	SNCL	1.4X	4	88	1
97	FEB	2	1213	9.70	19	24.55	155	16.56	1.74	20	5	.09	.3	.2	SNCL	1.8X	4	87	1
97	FEB	2	1229	16.84	19	24.56	155	16.94	1.75	12	1	.12	.5	.3	SNCL	1.4X	2	83	1
97	FEB	2	1229	39.53	19	24.48	155	17.41	2.26	12	2	.17	.7	.3	SSCL	2.1X	1	117	1
97	FEB	2	1233	18.24	19	24.20	155	16.59	1.17	17	4	.11	.3	.2	SSCL	1.5X	4	78	1
97	FEB	2	1233	30.65	19	24.67	155	16.45	2.04	18	5	.11	.3	.3	SNCL	2.0X	4	92	1
97	FEB	2	1243	49.76	19	24.66	155	16.87	1.96	12	1	.07	.4	.2	SNCL	1.8X	2	86	1
97	FEB	2	1250	6.41	19	25.19	155	17.18	2.00	21	5	.07	.4	.1	SNCL	2.2X	3	90	1
97	FEB	2	1250	41.48	19	24.32	155	16.95	0.70	17	4	.12	.3	.3	SSCL	1.9X	4	77	1
97	FEB	2	1251	16.89	19	25.08	155	16.16	1.65	18	4	.10	.2	.4	SNCL	2.0X	2	112	2
97	FEB	2	1255	18.57	19	21.02	155	15.09	0.03	10	2	.17	.4	1.1	KOA #	1.8X	2	179	3
97	FEB	2	1255	44.84	19	24.76	155	16.58	0.46	9	2	.10	.3	.5	SNCL	1.7X	3	148	1
97	FEB	2	1257	47.65	19	21.03	155	15.60	0.23	34	3	.11	.2	.5	KOA	3.2X	1	108	3
97	FEB	2	1309	55.70	19	21.55	155	16.29	1.84	24	2	.11	.3	.3	KOA	2.4X	1	132	2
97	FEB	2	1311	19.67	19	21.55	155	16.60	1.37	22	7	.10	.3	.3	KOA	2.2X	3	123	2
97	FEB	2	1317	2.28	19	21.19	155	16.56	1.75	24	7	.09	.3	.3	KOA	1.9X	4	97	2
97	FEB	2	1322	38.13	19	24.12	155	17.20	2.26	11	1	.10	.4	.3	SSCL	1.8X	2	81	1
97	FEB	2	1322	57.23	19	24.35	155	16.32	1.48	11	2	.11	.3	.4	SECL	2.2X	2	129	1
97	FEB	2	1323	26.20	19	24.22	155	16.57	1.91	11	2	.10	.3	.4	SSCL	2.3X	1	118	1
97	FEB	2	1329	47.75	19	24.75	155	16.13	0.02	11	2	.20	.3	.8	SNCL#	1.7X	2	101	2
97	FEB	2	1329	56.42	19	25.20	155	15.90	0.01	10	2	.18	.3	.9	SNCL#	1.8X	2	109	2
97	FEB	2	1330	12.70	19	24.68	155	16.30	0.05	9	2	.12	.2	.8	SNCL#	1.7X	2	149	1
97	FEB	2	1330	36.75	19	23.82	155	16.85	2.01	11	3	.07	.4	.3	SSCL	1.7X	2	96	0
97	FEB	2	1332	11.52	19	24.62	155	16.93	1.79	16	3	.12	.4	.2	SNCL	2.1X	2	84	1
97	FEB	2	1332	48.95	19	24.61	155	16.18	0.48	12	3	.10	.2	.5	SNCL	1.8X	2	95	2
97	FEB	2	1344	37.16	19	24.42	155	15.90	0.84	11	2	.13	.3	.6	SECL	1.2X	2	92	2
97	FEB	2	1345	0.77	19	23.95	155	16.06	2.54	9	2	.15	.5	1.1	SECL	1.6X	3	108	1
97	FEB	2	1345	13.30	19	25.18	155	16.70	1.24	8		.04	.4	.5	SNCL	1.6X	2	102	1
97	FEB	2	1350	36.59	19	24.74	155	16.21	0.20	14	4	.09	.2	.4	SNCL	1.3X	3	99	1
97	FEB	2	1352	25.16	19	24.36	155	17.16	1.83	12	2	.05	.4	.2	SSCL	1.3X	2	104	1
97	FEB	2	1352	31.67	19	24.58	155	16.16	0.83	10	2	.28	.4	1.2	SNCL	1.2X	2	94	1
97	FEB	2	1352	34.03	19	24.74	155	16.25	1.67	11	2	.06	.4	.4	SNCL	1.9X	2	98	1
97	FEB	2	1353	22.18	19	25.27	155	16.16	1.42	9	1	.08	.5	.8	SNCL	1.3X	3	119	2
97	FEB	2	1353	31.11	19	24.72	155	16.40	1.87	13	2	.12	.3	.3	SNCL	2.1X	2	96	1
97	FEB	2	1353	49.72	19	24.37	155	16.27	0.02	9	3	.22	.4	.7	SECL#	1.7X	2	130	1
97	FEB	2	1400	27.73	19	24.45	155	16.85	1.70	11	2	.09	.6	.3	SSCL	1.9X	2	88	1
97	FEB	2	1400	36.69	19	24.66	155	17.00	2.61	9	2	.06	.7	.5	SNCL	2.0X	2	146	0
97	FEB	2	1400	49.27	19	24.05	155	16.30	1.52	10	2	.15	.3	.4	SECL	1.7X	2	109	1
97	FEB	2	1401	9.70	19	24.75	155	16.32	0.57	9	2	.06	.2	.5	SNCL	1.7X	2	154	1
97	FEB	2	1401	21.12	19	24.57	155	16.24	1.01	9	1	.17	.4	.8	SNCL	1.9X	2	93	1
97	FEB	2	1406	35.06	19	24.24	155	16.69	1.72	16	4	.06	.3	.2	SSCL	1.7X	2	101	1
97	FEB	2	1410	4.91	19	24.11	155	16.60	2.03	7	1	.11	.4	.5	SSCL	1.6X	3	120	0

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
97	FEB	2	1410	23.07	19	24.14	155	16.83	1.35	9	2	.09	.5	.4	SSCL	1.6X	2	141	1
97	FEB	2	1410	32.47	19	24.71	155	16.64	1.41	9	2	.09	.4	.3	SNCL	1.7X	2	142	1
97	FEB	2	1412	45.08	19	24.26	155	16.01	1.24	9	2	.11	.3	.7	SECL	1.7X	3	128	1
97	FEB	2	1412	49.55	19	24.07	155	18.93	0.03	10	2	.21	.6	1.2	SSCL#	1.9X	2	230	3
97	FEB	2	1416	58.66	19	24.61	155	16.27	1.49	17	4	.11	.3	.3	SNCL	1.6X	4	94	1
97	FEB	2	1417	12.44	19	24.70	155	16.93	4.23	17	4	.09	.6	.4	SNCL	1.5X	4	116	0
97	FEB	2	1419	49.56	19	24.23	155	16.82	2.39	16	4	.09	.4	.3	SSCL	1.4X	3	93	1
97	FEB	2	1426	54.57	19	25.24	155	16.58	2.08	16	4	.09	.4	.3	SNCL	1.6X	3	104	1
97	FEB	2	1430	47.72	19	24.43	155	16.16	1.21	15	4	.08	.2	.3	SECL	1.5X	3	135	1
97	FEB	2	1430	54.43	19	24.46	155	16.08	4.66	15	4	.13	.6	1.0	SECL	2.0X	3	91	1
97	FEB	2	1431	5.59	19	24.51	155	16.71	2.04	17	4	.09	.4	.2	SSCL	1.7X	4	85	1
97	FEB	2	1431	39.16	19	25.05	155	16.51	0.40	17	4	.08	.2	.4	SNCL	1.6X	3	103	1
97	FEB	2	1431	46.05	19	24.77	155	15.90	1.42	17	4	.11	.3	.4	SNCL	1.9X	3	106	2
97	FEB	2	1433	38.47	19	24.89	155	16.68	3.52	17	4	.10	.5	.3	SNCL	1.5X	3	95	1
97	FEB	2	1436	53.53	19	25.09	155	17.26	2.42	12	1	.09	.5	.3	SNCL	1.7X	2	87	1
97	FEB	2	1448	39.29	19	23.99	155	17.83	2.77	10	3	.11	.9	.5	SSCL	2.0X	2	195	2
97	FEB	2	1449	26.56	19	24.49	155	17.00	2.54	9	2	.08	.7	.4	SSCL	1.8X	2	151	1
97	FEB	2	1455	33.08	19	24.69	155	16.74	2.80	13	3	.17	.6	.3	SNCL	1.8X	2	89	1
97	FEB	2	1457	7.13	19	25.47	155	16.32	2.77	8	1	.03	1.0	.9	SNCL	1.7X	2	205	2
97	FEB	2	1457	14.12	19	25.46	155	17.17	2.70	12	2	.08	.6	.3	SNCL	2.0X	2	95	1
97	FEB	2	1504	31.42	19	22.93	155	17.29	7.52	11	3	.06	1.5	.9	INTL	1.9X	1	243	1
97	FEB	2	1505	22.95	19	24.19	155	16.84	1.85	13	3	.11	.4	.3	SSCL	1.9X	2	93	1
97	FEB	2	1512	7.43	19	24.41	155	16.48	2.08	12	2	.09	.3	.3	SECL	2.1X	2	127	1
97	FEB	2	1513	5.04	19	24.99	155	16.35	0.89	19	5	.09	.2	.3	SNCL	2.1X	3	105	1
97	FEB	2	1513	57.74	19	24.25	155	16.66	2.35	10	2	.13	.6	.5	SSCL	1.9X	2	114	1
97	FEB	2	1514	47.53	19	24.32	155	17.16	2.23	10	1	.08	.6	.4	SSCL	2.0X	2	148	1
97	FEB	2	1515	0.45	19	24.27	155	17.58	3.88	10	2	.11	1.3	.5	SSCL	2.0X	2	215	2
97	FEB	2	1518	36.14	19	24.39	155	17.51	2.96	11	3	.09	1.0	.4	SSCL	1.5X	3	204	1
97	FEB	2	1519	8.33	19	24.72	155	16.31	1.16	9	1	.12	.3	.6	SNCL	1.5X	3	97	1
97	FEB	2	1523	57.12	19	24.97	155	17.25	2.38	11	2	.10	.6	.3	SNCL	1.8X	3	140	0
97	FEB	2	1524	15.56	19	24.68	155	15.98	0.31	9	2	.09	.3	.7	SNCL	1.5X	2	155	2
97	FEB	2	1524	59.80	19	24.48	155	17.83	2.19	18	6	.11	.5	.2	SSCL	2.3X	2	88	2
97	FEB	2	1533	45.82	19	24.79	155	17.08	2.22	16	4	.10	.4	.2	SNCL	1.8X	4	113	0
97	FEB	2	1535	12.52	19	24.77	155	16.93	1.61	20	6	.08	.3	.2	SNCL	2.2X	2	87	0
97	FEB	2	1536	22.81	19	25.10	155	15.84	1.53	16	5	.10	.3	.5	SNCL	1.9X	4	119	2
97	FEB	2	1536	57.88	19	25.07	155	16.69	2.01	18	6	.11	.4	.3	SNCL	2.0X	5	99	1
97	FEB	2	1537	21.59	19	24.92	155	16.27	0.75	15	4	.10	.2	.5	SNCL	1.7X	4	104	1
97	FEB	2	1542	19.31	19	25.05	155	16.98	2.26	15	4	.12	.6	.2	SNCL	1.7X	4	152	0
97	FEB	2	1546	7.59	19	24.44	155	16.88	1.56	9	1	.07	.5	.3	SSCL	1.0X	3	138	1
97	FEB	2	1546	10.61	19	24.32	155	16.31	3.54	10	2	.12	.6	.9	SECL	1.7X	3	127	1
97	FEB	2	1546	24.35	19	24.37	155	16.42	1.86	10	2	.09	.3	.4	SECL	1.5X	3	127	1
97	FEB	2	1546	41.06	19	25.21	155	16.08	1.01	9	2	.16	.5	1.0	SNCL	1.5X	3	189	2
97	FEB	2	1546	47.00	19	25.80	155	16.55	3.63	8	1	.06	1.4	.9	SNCL	1.7X	2	230	2
97	FEB	2	1550	9.87	19	25.14	155	16.72	2.00	19	5	.09	.3	.2	SNCL	1.9X	3	101	1
97	FEB	2	1556	14.63	19	24.41	155	17.44	3.16	19	5	.10	.6	.3	SSCL	1.9X	4	119	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
97	FEB	2	1556	23.85	19	25.23	155	16.32	0.46	19	5	.10	.2	.4	SNCL	1.9X	3	110	1
97	FEB	2	1600	26.44	19	24.28	155	16.68	1.11	14	4	.09	.3	.2	SSCL	1.7X	3	116	1
97	FEB	2	1603	44.55	19	24.58	155	16.61	1.45	10	2	.07	.3	.3	SNCL	1.7X	2	135	1
97	FEB	2	1611	54.56	19	24.75	155	16.36	1.36	10	2	.15	.4	.6	SNCL	1.2X	1	97	1
97	FEB	2	1612	34.41	19	24.55	155	16.55	0.93	10	2	.10	.3	.4	SNCL	1.7X	2	112	1
97	FEB	2	1612	54.14	19	26.15	155	18.02	3.70	11	2	.17	1.6	.7	SNCL	2.1X	2	172	2
97	FEB	2	1620	13.16	19	24.55	155	16.21	1.31	15	4	.12	.3	.4	SNCL	1.6X	4	92	1
97	FEB	2	1624	0.16	19	24.85	155	16.76	1.93	18	4	.10	.4	.2	SNCL	1.9X	2	93	0
97	FEB	2	1624	45.12	19	24.85	155	16.75	2.02	19	5	.12	.4	.2	SNCL	1.6X	4	93	0
97	FEB	2	1625	2.72	19	24.45	155	16.80	2.20	17	4	.11	.4	.2	SSCL	1.7X	4	116	1
97	FEB	2	1627	19.42	19	23.77	155	16.52	1.93	12	3	.10	.3	.2	SSCL	1.8X	2	86	0
97	FEB	2	1627	23.32	19	24.83	155	16.69	2.03	15	3	.07	.3	.2	SNCL	2.2X	1	93	1
97	FEB	2	1628	2.67	19	24.51	155	16.30	0.01	12	3	.28	.3	.6	SECL#	1.8X	2	138	1
97	FEB	2	1632	8.00	19	23.78	155	17.74	2.48	16	4	.09	.6	.3	SSCL	1.9X	2	128	2
97	FEB	2	1632	25.16	19	24.65	155	16.16	0.33	18	5	.11	.2	.4	SNCL	1.8X	3	96	2
97	FEB	2	1633	19.15	19	25.65	155	17.45	3.11	17	3	.10	.4	.2	SNCL	2.3X	1	86	1
97	FEB	2	1634	8.55	19	24.50	155	16.05	0.78	9	1	.09	.3	.7	SECL	1.8X	2	93	1
97	FEB	2	1634	14.14	19	24.77	155	16.75	1.81	11	1	.11	.4	.2	SNCL	2.2X	1	91	0
97	FEB	2	1637	27.44	19	24.52	155	16.96	1.59	13	3	.10	.3	.4	SSCL	2.2X	1	82	2
97	FEB	2	1640	12.29	19	24.63	155	17.00	1.81	15	4	.12	.5	.2	SNCL	2.4X	1	83	1
97	FEB	2	1640	22.00	19	24.15	155	15.59	2.65	11	2	.11	.5	.5	SECL			122	2
97	FEB	2	1652	37.76	19	24.96	155	17.59	2.64	12	1	.11	.6	.2	SNCL	2.2X	2	123	1
97	FEB	2	1652	58.45	19	24.20	155	16.51	0.76	9	2	.06	.3	.4	SSCL	1.7X	2	109	2
97	FEB	2	1653	4.02	19	23.74	155	16.83	3.87	11	3	.07	.6	.5	SSCL	2.0X	2	140	1
97	FEB	2	1658	34.42	19	24.52	155	16.80	2.24	12	1	.15	.4	.2	SSCL	1.9X	2	84	1
97	FEB	2	1658	50.28	19	25.15	155	16.68	1.27	11	2	.11	.4	.3	SNCL	1.6X	2	158	1
97	FEB	2	1658	52.57	19	25.69	155	18.02	4.46	12	2	.08	.8	.5	SNCL	2.3X	2	134	1
97	FEB	2	1659	40.64	19	23.83	155	17.16	1.82	11	3	.12	.5	.3	SSCL	2.0X	2	164	1
97	FEB	2	1659	49.50	19	24.17	155	17.71	1.84	10	1	.13	.8	.5	SSCL	2.0X	2	130	2
97	FEB	2	1700	1.63	19	26.64	155	16.69	1.54	8	1	.05	1.2	.8	SNCL	2.0X	2	301	3
97	FEB	2	1701	52.03	19	24.53	155	16.67	2.09	10	2	.09	.5	.5	SSCL	1.6X	3	125	1
97	FEB	2	1702	25.37	19	24.44	155	16.17	1.71	8	1	.02	.3	.6	SECL	1.6X	2	136	1
97	FEB	2	1702	31.96	19	26.59	155	18.32	1.65	9	2	.06	1.1	.6	SNCL	1.9X	3	319	3
97	FEB	2	1718	24.51	19	24.88	155	16.57	2.51	13	2	.10	.5	.3	SNCL	2.1X	2	97	1
97	FEB	2	1725	12.63	19	24.40	155	15.97	0.03	10	2	.20	.3	.8	SECL#	1.5X	2	136	1
97	FEB	2	1725	38.42	19	24.54	155	16.86	2.24	12	1	.16	.6	.3	SNCL	1.7X	3	84	1
97	FEB	2	1725	50.62	19	24.33	155	16.67	1.59	10	2	.08	.4	.4	SSCL	1.9X	2	125	1
97	FEB	2	1733	1.41	19	23.84	155	16.29	1.51	8	1	.05	.3	.5	SECL	1.3X	3	97	1
97	FEB	2	1738	38.28	19	25.89	155	16.30	1.58	12	1	.15	.5	.6	SNCL	2.3X	1	132	2
97	FEB	2	1739	14.27	19	25.21	155	16.94	1.89	13	2	.09	.4	.2	SNCL	2.2X	2	96	1
97	FEB	2	1741	14.68	19	24.36	155	17.14	1.72	10	2	.06	.5	.3	SSCL	2.1X	2	146	1
97	FEB	2	1741	26.44	19	24.76	155	15.75	0.03	6	1	.12	.5	1.6	SNCL#	1.5X	2	199	2
97	FEB	2	1741	43.69	19	24.40	155	17.42	1.71	30	9	.10	.3	.1	SSCL	2.3X	3	46	1
97	FEB	2	1745	31.53	19	25.13	155	16.68	2.39	19	5	.11	.4	.2	SNCL	2.1X	2	101	1
97	FEB	2	1748	22.02	19	24.94	155	16.17	2.31	19	5	.10	.3	.4	SNCL	2.0X	3	107	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
97	FEB	2	1748	28.97	19	25.12	155	15.52	2.19	18	4	.10	.3	.5	SNCL	2.0X	3	125	2
97	FEB	2	1753	44.54	19	24.75	155	16.11	0.46	17	4	.12	.2	.4	SNCL	1.6X	3	102	2
97	FEB	2	1809	43.14	19	24.54	155	17.08	2.63	15	4	.08	.5	.3	SSCL	1.9X	4	119	1
97	FEB	2	1810	12.16	19	24.60	155	16.32	0.07	18	4	.10	.2	.4	SNCL	1.6X	4	93	1
97	FEB	2	1816	19.54	19	24.69	155	16.84	2.20	15	4	.11	.5	.3	SNCL	1.8X	3	126	0
97	FEB	2	1830	6.13	19	24.91	155	16.85	0.61	16	4	.08	.3	.2	SNCL	1.9X	3	148	0
97	FEB	2	1836	56.94	19	24.99	155	16.59	1.37	15	4	.10	.3	.3	SNCL	1.6X	3	99	1
97	FEB	2	1838	42.07	19	24.64	155	16.07	1.19	18	4	.11	.2	.4	SNCL	1.6X	3	98	2
97	FEB	2	1843	57.57	19	24.77	155	16.74	2.83	14	4	.07	.5	.3	SNCL	1.5X	3	144	1
97	FEB	2	1847	12.47	19	25.02	155	15.98	1.43	10	2	.11	.4	.7	SNCL	1.4X	2	177	2
97	FEB	2	1853	3.00	19	24.41	155	16.96	2.28	15	4	.10	.6	.2	SSCL	1.3X	4	133	1
97	FEB	2	1854	31.19	19	20.84	155	15.09	0.77	15	3	.10	.3	.8	KOA	2.0X	2	160	3
97	FEB	2	1855	42.16	20	8.10	155	47.82	25.64	4811		.12	1.0	1.0	KOHF	3.2X	9	281	2
97	FEB	2	1901	24.88	19	24.87	155	16.42	1.79	17	4	.13	.3	.2	SNCL	1.3X	3	99	1
97	FEB	2	1901	29.26	19	24.70	155	17.07	2.21	18	4	.09	.4	.2	SNCL	1.9X	3	78	0
97	FEB	2	1902	44.21	19	24.55	155	16.73	2.05	12	2	.13	.5	.3	SNCL	1.4X	3	86	1
97	FEB	2	1909	4.43	19	24.63	155	16.71	1.94	13	2	.11	.4	.3	SNCL	1.7X	2	88	1
97	FEB	2	1909	36.47	19	25.62	155	16.45	1.66	9	2	.09	.6	.9	SNCL	1.7X	2	120	2
97	FEB	2	1911	45.58	19	24.89	155	16.33	1.11	11	2	.12	.3	.5	SNCL	1.7X	3	102	1
97	FEB	2	1918	54.76	19	24.79	155	16.93	1.84	11	1	.12	.5	.2	SNCL	1.4X	2	88	0
97	FEB	2	1919	23.75	19	24.44	155	16.47	3.36	9	2	.14	.8	1.1	SECL	1.4X	2	130	1
97	FEB	2	1922	2.85	19	25.05	155	16.65	1.55	10	2	.11	.5	.5	SNCL	1.5X	3	99	1
97	FEB	2	1922	14.00	19	24.21	155	16.93	1.39	9	2	.09	.5	.3	SSCL	1.4X	3	151	1
97	FEB	2	1928	33.52	19	24.85	155	16.30	0.22	18	4	.10	.2	.4	SNCL	1.5X	4	101	1
97	FEB	2	1928	48.54	19	25.11	155	16.41	0.27	18	4	.10	.2	.4	SNCL	1.5X	3	107	1
97	FEB	2	1929	11.04	19	23.85	155	18.39	1.98	15	4	.12	.6	.6	SSCL	1.8X	3	147	3
97	FEB	2	1929	19.27	19	25.50	155	16.61	3.07	18	4	.08	.4	.3	SNCL	1.9X	4	105	1
97	FEB	2	1943	4.68	19	24.92	155	17.96	3.01	11	2	.10	.8	.4	SNCL	1.8X	3	169	1
97	FEB	2	1946	55.19	19	24.21	155	17.03	1.75	13	2	.06	.4	.2	SSCL	1.8X	2	78	1
97	FEB	2	1947	10.65	19	24.74	155	16.98	2.52	9	2	.10	.9	.6	SNCL	1.3X	3	141	0
97	FEB	2	1947	31.47	19	25.44	155	16.80	1.56	10	1	.12	.5	.4	SNCL	1.4X	2	105	1
97	FEB	2	1949	36.93	19	24.37	155	16.82	1.99	18	4	.11	.4	.2	SSCL	1.7X	4	80	1
97	FEB	2	1950	18.12	19	24.53	155	16.34	1.73	19	5	.11	.3	.3	SECL	1.8X	4	90	1
97	FEB	2	1954	19.63	19	24.68	155	16.26	0.35	16	4	.10	.2	.4	SNCL	1.2X	4	97	1
97	FEB	2	2011	48.77	19	24.73	155	16.52	2.37	16	4	.10	.4	.3	SNCL	1.7X	3	93	1
97	FEB	2	2021	45.86	19	24.12	155	17.69	0.71	9	2	.07	.3	.4	SSCL	1.2X	2	227	2
97	FEB	2	2022	5.62	19	24.28	155	16.67	1.16	11	3	.09	.4	.3	SSCL	1.1X	2	126	1
97	FEB	2	2022	28.82	19	24.41	155	16.36	0.57	9	1	.10	.3	.6	SECL	1.3X	2	100	1
97	FEB	2	2023	35.36	19	24.57	155	17.12	1.78	17	4	.11	.4	.2	SNCL	1.6X	4	78	1
97	FEB	2	2032	42.62	19	25.02	155	17.00	1.76	19	5	.11	.4	.2	SNCL	1.9X	4	91	0
97	FEB	2	2036	26.71	19	24.41	155	16.38	1.03	10	2	.11	.3	.5	SECL	1.3X	2	86	1
97	FEB	2	2036	35.44	19	24.89	155	15.98	0.03	12	2	.14	.2	.7	SNCL#	1.1X	2	109	2
97	FEB	2	2036	37.60	19	24.83	155	16.32	2.35	13	3	.11	.6	.3	SNCL	1.7X	2	100	1
97	FEB	2	2043	55.49	19	25.00	155	16.53	2.35	16	4	.09	.4	.3	SNCL	1.2X	4	100	1
97	FEB	2	2044	46.66	19	24.56	155	16.83	1.82	12	2	.10	.4	.2	SNCL	1.2X	3	85	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
97	FEB	2	2044	49.89	19	23.47	155	15.83	3.26	10	3	.11	.7	1.0	SECL	1.6X	2	135	2
97	FEB	2	2109	0.07	19	24.51	155	17.64	2.30	14	4	.08	.6	.3	SSCL	1.2X	4	141	1
97	FEB	2	2109	23.11	19	24.77	155	17.07	2.04	16	4	.10	.4	.2	SNCL	1.5X	4	117	0
97	FEB	2	2109	42.54	19	25.32	155	16.70	3.12	10	2	.14	.5	.4	SNCL	2.0X	3	105	1
97	FEB	2	2117	52.44	19	24.52	155	16.66	1.54	10	2	.08	.4	.3	SSCL	.8X	2	115	1
97	FEB	2	2117	54.05	19	25.29	155	16.20	1.52	12	2	.13	.5	.6	SNCL	1.6X	2	119	2
97	FEB	2	2118	7.86	19	24.69	155	17.40	2.27	11	2	.11	.6	.3	SNCL	1.5X	3	132	1
97	FEB	2	2121	9.07	19	24.83	155	15.90	1.17	10	1	.08	.3	.4	SNCL	1.7X	2	153	2
97	FEB	2	2121	55.88	19	24.54	155	17.14	2.00	20	4	.11	.4	.2	SNCL	2.2X	2	73	1
97	FEB	2	2126	21.69	19	24.49	155	16.42	2.21	13	4	.08	.4	.4	SECL	1.6X	3	134	1
97	FEB	2	2136	59.55	19	24.62	155	16.93	1.26	16	4	.08	.3	.2	SNCL	1.3X	3	102	1
97	FEB	2	2137	40.55	19	24.63	155	16.83	1.82	17	4	.09	.4	.2	SNCL	1.1X	4	86	1
97	FEB	2	2148	45.28	19	24.69	155	16.13	1.04	17	4	.11	.2	.4	SNCL	1.4X	4	99	2
97	FEB	2	2154	2.94	19	24.94	155	16.63	1.85	17	4	.10	.4	.2	SNCL	1.5X	4	97	1
97	FEB	2	2156	25.01	19	24.92	155	16.64	1.86	17	4	.10	.4	.3	SNCL	1.4X	3	96	1
97	FEB	2	2156	47.61	19	24.67	155	15.89	1.15	17	4	.13	.3	.4	SNCL	1.4X	4	102	2
97	FEB	2	2158	33.96	19	24.95	155	16.03	1.36	15	4	.10	.3	.5	SNCL	1.4X	3	111	2
97	FEB	2	2159	28.95	19	24.54	155	15.71	1.37	14	4	.08	.3	.4	SNCL	1.6X	2	140	2
97	FEB	2	2213	57.16	19	24.58	155	17.10	2.99	17	4	.09	.5	.2	SNCL	1.9X	4	119	1
97	FEB	2	2214	32.15	19	24.68	155	16.74	1.90	18	4	.11	.4	.2	SNCL	1.4X	3	88	1
97	FEB	2	2230	40.17	19	24.62	155	16.41	1.79	16	4	.09	.3	.3	SNCL	1.1X	3	92	1
97	FEB	2	2231	16.17	19	19.37	155	12.04	9.55	41	8	.12	.4	.5	SF3	1.4X	5	130	6
97	FEB	2	2231	47.61	19	24.76	155	16.80	2.75	17	4	.08	.4	.2	SNCL	1.5X	4	89	0
97	FEB	2	2234	40.79	19	24.70	155	16.47	1.15	12	3	.09	.3	.4	SNCL	1.0X	3	146	1
97	FEB	2	2238	5.09	19	25.10	155	16.55	1.67	18	4	.11	.3	.3	SNCL	1.5X	3	103	1
97	FEB	2	2246	21.79	19	24.55	155	16.64	1.74	17	4	.10	.4	.2	SNCL	1.6X	3	86	1
97	FEB	2	2249	23.85	19	24.90	155	16.64	1.84	17	5	.11	.4	.3	SNCL	1.5X	3	95	1
97	FEB	2	2251	36.66	19	24.57	155	16.53	1.87	17	4	.10	.3	.2	SNCL	2.0X	3	136	1
97	FEB	2	2253	24.81	19	24.92	155	16.85	1.99	17	4	.09	.4	.2	SNCL	1.4X	3	92	0
97	FEB	2	2319	59.43	19	24.17	155	17.30	2.97	16	4	.11	.6	.3	SSCL	1.6X	4	125	1
97	FEB	2	2326	54.82	19	24.57	155	16.37	4.70	15	4	.09	.6	.7	SNCL	1.3X	4	95	1
97	FEB	2	2327	4.11	19	24.94	155	16.37	2.19	17	4	.10	.3	.3	SNCL	1.3X	4	102	1
97	FEB	2	2327	13.44	19	24.75	155	16.34	1.54	15	4	.11	.3	.4	SNCL	1.3X	4	98	1
97	FEB	2	2334	51.16	19	24.63	155	16.72	2.15	17	4	.11	.4	.2	SNCL	1.4X	3	88	1
97	FEB	2	2342	31.56	19	25.06	155	16.62	1.00	17	5	.09	.3	.3	SNCL	1.7X	4	100	1
97	FEB	2	2343	8.11	19	24.80	155	16.56	1.78	16	4	.12	.4	.3	SNCL	1.3X	3	95	1
97	FEB	2	2356	19.29	19	48.67	156	7.89	8.94	43	8	.13	1.0	.6	HUAF	3.5X	7	288	34
97	FEB	3	3	45.14	19	24.67	155	16.10	1.51	17	4	.13	.3	.4	SNCL	1.2X	3	99	2
97	FEB	3	9	5.51	19	24.56	155	16.67	2.40	18	4	.11	.4	.2	SNCL	1.9X	4	86	1
97	FEB	3	22	35.89	19	21.43	155	15.87	2.24	21	7	.09	.3	.3	KOA	1.5X	4	135	2
97	FEB	3	44	42.33	19	25.17	155	16.10	1.23	9	3	.13	.4	.9	SNCL	.9X	2	186	2
97	FEB	3	44	59.33	19	24.60	155	17.09	1.91	13	2	.08	.4	.2	SNCL	2.0X	2	78	1
97	FEB	3	45	11.91	19	25.58	155	15.53	0.60	11	2	.10	.4	.7	SNCL	1.8X	2	154	3
97	FEB	3	47	44.14	19	24.63	155	16.16	1.61	18	4	.11	.2	.3	SNCL	1.5X	2	96	2
97	FEB	3	57	40.68	19	25.58	155	15.82	0.41	9	3	.08	.4	1.0	SNCL	1.1X	2	218	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
97	FEB	3	57	45.93	19	25.01	155	16.86	2.75	12	2	.10	.4	.3	SNCL	1.9X	2	94	0
97	FEB	3	58	13.29	19	24.71	155	16.60	1.69	12	2	.13	.4	.5	SNCL	1.9X	2	104	1
97	FEB	3	105	35.36	19	24.14	155	16.15	2.38	17	4	.07	.3	.3	SECL	1.2X	4	118	1
97	FEB	3	105	40.98	19	24.54	155	16.39	0.24	19	5	.11	.2	.3	SECL	1.5X	5	89	1
97	FEB	3	106	8.15	19	25.12	155	16.44	1.62	18	4	.09	.3	.3	SNCL	1.3X	4	106	1
97	FEB	3	111	24.36	19	24.88	155	16.58	2.53	17	4	.12	.4	.3	SNCL	1.3X	4	96	1
97	FEB	3	111	29.31	19	25.05	155	16.52	2.52	17	4	.11	.4	.4	SNCL	1.6X	4	103	1
97	FEB	3	111	49.60	19	25.14	155	16.43	0.74	17	4	.10	.2	.4	SNCL	1.2X	4	107	1
97	FEB	3	118	24.15	19	24.89	155	16.60	1.62	17	5	.11	.3	.3	SNCL	1.2X	5	95	1
97	FEB	3	118	39.99	19	24.98	155	16.19	0.22	14	4	.08	.2	.5	SNCL	.8X	3	108	1
97	FEB	3	118	59.20	19	24.55	155	16.15	1.02	15	4	.11	.2	.4	SNCL	1.3X	4	93	1
97	FEB	3	129	45.65	19	24.94	155	16.66	2.65	15	4	.07	.4	.3	SNCL	1.5X	3	96	1
97	FEB	3	213	53.14	19	25.68	155	16.61	2.68	11	3	.08	.5	.7	SNCL	1.5X	2	115	2
97	FEB	3	214	42.64	19	24.39	155	16.58	2.30	10	2	.11	.6	.6	SSCL	1.6X	2	118	1
97	FEB	3	902	49.89	19	24.61	155	16.93	2.67	13	2	.10	.6	.3	SNCL	1.3X	3	84	1
97	FEB	3	903	0.13	19	24.24	155	17.82	1.67	8	1	.07	.8	.5	SSCL	1.4X	1	235	2
97	FEB	3	919	22.91	19	23.89	155	16.23	1.58	12	4	.12	.3	.3	SECL	1.5X	3	72	1
97	FEB	3	919	46.54	19	24.94	155	16.71	0.57	7		.05	.3	.4	SNCL	1.2X	2	157	1
97	FEB	3	949	21.42	19	24.25	155	16.49	1.25	8	1	.06	.4	.4	SECL	1.0X	2	114	1
97	FEB	3	951	51.62	19	25.15	155	16.63	1.92	10	2	.11	.7	.6	SNCL	1.7X	3	103	1
97	FEB	3	1002	15.95	19	24.39	155	16.51	1.34	10	2	.10	.4	.4	SSCL	1.2X	2	113	1
97	FEB	3	1009	37.15	19	24.58	155	17.03	1.87	9	2	.06	.6	.3	SNCL	1.2X	3	152	1
97	FEB	3	1009	49.52	19	24.58	155	17.35	1.63	10	1	.11	.8	.3	SNCL	1.6X	2	164	1
97	FEB	3	1027	13.23	19	24.50	155	15.75	0.15	8	2	.06	.2	.6	SECL	.8X	2	144	2
97	FEB	3	1027	22.68	19	23.65	155	17.68	0.62	10	3	.19	.6	.9	SSCL	1.5X	2	236	1
97	FEB	3	1027	47.48	19	24.69	155	16.51	1.32	8	1	.06	.3	.6	SNCL	1.2X	2	145	1
97	FEB	3	1106	40.64	19	24.40	155	15.69	1.63	10	2	.11	.4	.6	SECL	1.1X	2	132	2
97	FEB	3	1214	47.66	19	23.88	155	18.40	2.20	10	2	.10	.7	.4	SSCL	1.8X	2	209	3
97	FEB	3	1214	59.19	19	25.30	155	16.40	0.03	10	3	.13	.3	.6	SNCL#	1.3X	1	113	1
97	FEB	3	1218	0.34	19	26.00	155	16.55	1.57	9	1	.05	.5	.7	SNCL	1.5X	2	126	2
97	FEB	3	1326	8.56	19	23.75	155	18.13	8.03	16	5	.08	.8	.7	INTL	2.2X	4	143	2
97	FEB	3	1342	45.34	19	24.57	155	17.26	2.41	13	4	.07	.6	.3	SNCL	1.3X	4	148	1
97	FEB	3	1521	41.53	19	19.96	155	8.31	9.61	46	11	.12	.5	.4	SF4	2.7X	8	107	5
97	FEB	3	1528	23.31	19	24.52	155	15.92	0.79	14	4	.08	.2	.4	SECL	.9X	3	143	2
97	FEB	3	1529	10.42	19	24.79	155	16.46	2.40	15	4	.09	.4	.3	SNCL	1.3X	4	148	1
97	FEB	3	1630	7.35	19	24.83	155	17.11	0.89	13	4	.08	.4	.2	SNCL	1.1X	3	89	0
97	FEB	3	1658	0.98	19	20.34	155	7.46	7.16	37	7	.09	.5	.6	SF4	1.5X	4	124	5
97	FEB	3	1752	17.09	19	20.97	154	59.12	9.79	31	1	.12	1.2	.6	LER	1.7X	6	198	8
97	FEB	3	1827	0.21	19	18.76	155	13.17	7.78	33	5	.09	.5	.8	SF2	1.5X	6	156	7
97	FEB	3	1846	38.66	19	24.51	155	17.07	2.66	17	4	.12	.5	.2	SSCL	1.9X	3	78	1
97	FEB	3	1858	53.10	19	25.24	155	16.65	2.51	15	4	.09	.4	.3	SNCL	1.6X	4	104	1
97	FEB	3	1900	13.42	19	24.40	155	17.12	2.30	14	4	.11	.5	.3	SSCL	1.4X	3	101	1
97	FEB	3	1905	25.47	19	25.16	155	17.02	3.02	12	4	.08	.6	.3	SNCL	1.2X	3	117	0
97	FEB	3	1935	45.42	19	24.69	155	17.26	2.54	16	5	.12	.5	.2	SNCL	1.5X	4	80	1
97	FEB	3	2033	18.99	19	24.96	155	16.87	2.83	21	5	.11	.4	.2	SNCL	2.0X	5	93	0

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
97	FEB	3	2046	19.34	19	24.75	155	15.51	0.15	12	3	.11	.3	.5	SNCL	1.0X	4	152	2
97	FEB	3	2130	34.16	19	24.91	155	16.35	2.38	14	4	.11	.4	.4	SNCL	1.6X	4	102	1
97	FEB	3	2137	15.00	19	24.25	155	17.02	2.23	18	5	.09	.4	.2	SSCL	1.5X	4	120	1
97	FEB	3	2145	9.62	19	24.48	155	16.51	1.78	16	4	.07	.3	.3	SSCL	1.4X	4	108	1
97	FEB	3	2206	59.88	19	24.75	155	17.47	2.81	18	5	.09	.5	.2	SNCL	1.5X	3	123	1
97	FEB	3	2212	15.45	19	24.42	155	16.18	1.89	12	4	.10	.3	.5	SECL	1.3X	2	134	1
97	FEB	4	2	54.85	19	24.43	155	16.76	3.04	16	4	.14	.5	.3	SSCL	1.5X	3	82	1
97	FEB	4	9	33.39	19	24.77	155	16.30	0.93	15	4	.07	.2	.3	SNCL	.9X	3	98	1
97	FEB	4	36	25.21	19	25.42	155	16.14	2.27	15	4	.09	.3	.5	SNCL	1.6X	4	125	2
97	FEB	4	37	2.46	19	24.52	155	17.88	2.41	17	4	.09	.5	.2	SSCL	1.6X	4	133	2
97	FEB	4	45	32.14	19	25.00	155	16.92	2.10	17	5	.10	.4	.2	SNCL	1.6X	4	93	0
97	FEB	4	46	16.30	19	25.32	155	16.35	6.20	15	4	.10	.7	.8	INTL	1.3X	3	115	1
97	FEB	4	101	52.55	19	24.49	155	16.74	2.33	18	5	.10	.4	.3	SSCL	1.4X	4	84	1
97	FEB	4	129	25.37	19	24.66	155	16.45	2.39	17	5	.11	.3	.3	SNCL	1.7X	4	96	1
97	FEB	4	133	18.88	19	24.84	155	16.66	2.66	17	5	.09	.4	.2	SNCL	1.7X	4	94	1
97	FEB	4	136	56.47	19	24.70	155	16.79	2.15	15	4	.08	.4	.2	SNCL	1.2X	4	121	1
97	FEB	4	221	50.03	19	25.11	155	15.91	2.02	14	4	.21	.4	.8	SNCL	1.2X	3	120	2
97	FEB	4	230	9.64	19	24.35	155	16.73	2.33	18	5	.10	.4	.2	SSCL	1.7X	3	81	1
97	FEB	4	242	43.72	19	24.60	155	17.10	2.40	17	5	.11	.5	.2	SNCL	1.5X	4	78	1
97	FEB	4	256	38.52	19	24.43	155	16.92	1.76	20	7	.11	.3	.2	SSCL	1.8X	6	93	1
97	FEB	4	327	1.03	19	23.72	155	15.33	3.38	14	4	.11	.4	.6	SECL	1.9X	3	86	2
97	FEB	4	402	47.57	19	24.50	155	17.56	2.63	15	4	.10	.7	.3	SSCL	1.3X	3	165	1
97	FEB	4	525	20.82	19	24.67	155	17.29	1.45	15	4	.08	.4	.2	SNCL	1.6X	3	81	1
97	FEB	4	526	5.58	19	24.47	155	16.86	1.47	12	4	.06	.3	.2	SSCL	1.2X	2	100	1
97	FEB	4	558	21.12	19	26.99	155	15.16	8.07	17	4	.07	.8	1.0	INTL	1.9X	3	178	3
97	FEB	4	612	14.73	19	19.71	155	6.60	7.95	41	11	.13	.6	.6	SF4	1.9X	6	147	5
97	FEB	4	750	35.96	19	24.73	155	16.86	1.96	10	3	.11	.6	.3	SNCL	1.0X	3	130	0
97	FEB	4	757	13.41	19	24.42	155	17.31	1.71	13	4	.07	.5	.2	SSCL	.9X	4	154	1
97	FEB	4	804	39.69	19	24.72	155	16.90	2.14	18	5	.13	.4	.2	SNCL	1.7X	4	87	0
97	FEB	4	824	20.68	19	25.32	155	16.14	0.96	15	4	.09	.2	.5	SNCL	1.2X	3	121	2
97	FEB	4	901	3.06	19	24.58	155	16.92	1.07	15	3	.09	.3	.2	SNCL	1.8X	4	113	1
97	FEB	4	908	5.36	19	25.58	155	16.30	3.90	16	5	.10	.6	.4	SNCL	1.4X	4	179	2
97	FEB	4	925	18.28	19	24.10	155	16.45	2.54	17	4	.13	.4	.3	SECL	1.6X	4	95	0
97	FEB	4	930	14.52	19	24.71	155	16.35	0.01	15	4	.10	.2	.4	SNCL#	1.1X	3	95	1
97	FEB	4	958	52.09	19	27.86	155	18.76	2.06	12	5	.06	1.6	.8	SNCL	1.8X	2	329	5
97	FEB	4	1017	45.17	19	25.09	155	16.47	1.15	15	4	.10	.3	.3	SNCL	1.2X	4	105	1
97	FEB	4	1027	24.64	19	25.19	155	15.91	2.09	17	4	.14	.4	.3	SNCL	1.6X	3	123	2
97	FEB	4	1028	53.47	19	24.64	155	17.25	2.10	19	5	.07	.4	.2	SNCL	1.9X	4	115	1
97	FEB	4	1034	15.38	19	25.08	155	16.45	1.74	16	4	.08	.3	.3	SNCL	1.1X	4	105	1
97	FEB	4	1129	21.37	19	21.47	155	15.68	1.65	40	10	.13	.2	.3	KOA	2.6X	5	100	2
97	FEB	4	1135	57.29	19	24.77	155	16.60	1.53	13	4	.09	.3	.3	SNCL	.7X	3	92	1
97	FEB	4	1142	46.66	19	24.47	155	16.26	1.67	12	4	.11	.3	.5	SECL	1.0X	4	136	1
97	FEB	4	1146	51.75	19	24.71	155	17.13	3.35	16	4	.13	.5	.3	SNCL	1.3X	3	95	0
97	FEB	4	1243	44.46	19	24.51	155	17.36	2.06	12	4	.07	.7	.3	SSCL	1.0X	3	186	1
97	FEB	4	1311	32.02	19	21.47	155	15.69	1.72	38	10	.10	.2	.3	KOA	2.3X	5	100	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
97	FEB	4	1318	58.22	19	24.89	155	17.02	1.46	12	4	.09	.4	.2	SNCL	1.0X	3	131	0
97	FEB	4	1340	57.32	19	27.03	154	53.71	6.52	32	2	.13	.9	.6	LER	1.5X	5	155	3
97	FEB	4	1351	4.97	19	24.44	155	16.45	1.08	10	4	.07	.3	.5	SECL	1.0X	3	131	1
97	FEB	4	1405	5.24	19	24.29	155	16.81	1.94	18	5	.10	.4	.2	SSCL	1.5X	3	79	1
97	FEB	4	1406	11.03	19	24.49	155	17.42	2.09	19	7	.14	.4	.2	SSCL	1.6X	5	82	1
97	FEB	4	1527	17.44	19	24.21	155	16.28	2.16	13	4	.09	.4	.5	SECL	1.1X	3	119	1
97	FEB	4	1539	39.62	19	24.05	155	18.55	1.57	17	5	.11	.3	.7	SSCL	1.8X	4	101	3
97	FEB	4	1644	21.41	18	54.37	155	26.97	26.29	4511		.09	.9	2.0	DLS	2.0X	7	249	24
97	FEB	4	1651	53.10	19	25.01	155	16.24	1.82	12	4	.08	.4	.3	SNCL	1.1X	4	158	1
97	FEB	4	1652	59.97	19	24.72	155	16.39	1.49	12	4	.10	.3	.4	SNCL	1.1X	4	145	1
97	FEB	4	1704	21.88	19	25.19	155	17.15	6.73	12	4	.08	1.4	.8	INTL	1.5X	3	154	1
97	FEB	4	1841	8.09	19	24.64	155	16.67	1.59	14	4	.11	.4	.2	SNCL	1.5X	3	137	1
97	FEB	4	1847	21.75	19	23.59	155	15.16	1.26	12	4	.09	.3	.5	SECL	1.5X	3	95	2
97	FEB	4	1848	7.39	19	25.12	155	16.57	0.36	14	4	.09	.3	.4	SNCL	.9X	3	175	1
97	FEB	4	1851	37.74	19	24.37	155	16.46	1.23	20	6	.12	.3	.2	SECL	1.9X	5	84	1
97	FEB	4	1856	28.49	19	24.35	155	16.71	2.09	11	4	.13	.6	.5	SSCL	1.3X	4	129	1
97	FEB	4	2118	58.45	19	24.64	155	17.76	1.90	13	4	.11	.5	.3	SNCL	1.4X	4	129	1
97	FEB	4	2146	51.07	19	24.47	155	16.92	1.87	19	5	.10	.4	.2	SSCL	1.5X	4	82	1
97	FEB	4	2150	28.98	19	24.62	155	16.78	2.30	15	4	.08	.4	.2	SNCL	1.7X	4	114	1
97	FEB	4	2152	46.49	19	24.40	155	17.09	1.99	20	6	.12	.4	.2	SSCL	1.5X	5	79	1
97	FEB	4	2159	40.33	19	24.75	155	16.42	2.08	21	5	.13	.3	.2	SNCL	1.7X	4	95	1
97	FEB	4	2208	0.25	19	24.67	155	16.54	2.95	13	4	.07	.5	.4	SNCL	1.3X	3	101	1
97	FEB	4	2209	5.02	19	24.78	155	17.05	2.30	14	4	.09	.5	.2	SNCL	1.5X	3	127	0
97	FEB	4	2213	57.27	19	24.81	155	16.32	2.58	17	5	.10	.3	.3	SNCL	1.6X	4	99	1
97	FEB	4	2235	6.01	19	25.27	155	16.18	2.26	14	4	.11	.3	.4	SNCL	1.6X	4	118	2
97	FEB	4	2240	50.84	19	24.57	155	17.25	2.40	16	4	.09	.5	.2	SNCL	1.5X	4	80	1
97	FEB	4	2245	12.13	19	24.42	155	17.22	1.63	20	7	.13	.4	.2	SSCL	1.7X	5	80	1
97	FEB	4	2252	14.24	19	25.58	155	16.14	1.47	13	4	.08	.4	.6	SNCL	.9X	3	130	2
97	FEB	4	2306	30.13	19	25.07	155	16.81	2.01	17	4	.12	.4	.2	SNCL	1.4X	4	97	0
97	FEB	4	2306	43.11	19	24.38	155	16.22	1.17	13	4	.09	.2	.4	SECL	1.1X	4	89	1
97	FEB	4	2314	44.44	19	24.75	155	16.41	1.51	20	5	.13	.3	.2	SNCL	1.5X	5	95	1
97	FEB	4	2350	57.42	19	24.53	155	16.37	0.66	15	4	.09	.2	.3	SECL	1.4X	4	136	1
97	FEB	5	1	3.30	19	25.26	155	16.50	1.03	15	4	.08	.2	.4	SNCL	1.4X	3	106	1
97	FEB	5	48	15.82	19	24.48	155	16.85	1.88	16	4	.09	.4	.2	SSCL	1.5X	3	116	1
97	FEB	5	48	56.79	19	24.93	155	16.79	2.06	14	4	.11	.5	.2	SNCL	1.1X	3	94	0
97	FEB	5	57	8.97	19	24.58	155	16.34	1.47	18	5	.11	.3	.3	SNCL	1.6X	4	91	1
97	FEB	5	101	35.58	19	24.67	155	16.19	0.58	15	4	.08	.2	.4	SNCL	1.5X	4	97	1
97	FEB	5	102	0.25	19	24.55	155	17.16	2.46	15	4	.10	.6	.2	SNCL	1.6X	4	144	1
97	FEB	5	132	55.41	19	24.66	155	16.21	1.29	18	4	.14	.3	.3	SNCL	1.9X	4	97	1
97	FEB	5	204	2.31	19	24.64	155	16.86	1.62	13	4	.07	.4	.2	SNCL	1.6X	3	126	1
97	FEB	5	213	0.52	19	24.66	155	16.10	0.29	13	4	.06	.2	.4	SNCL	1.2X	3	98	2
97	FEB	5	217	6.41	19	24.87	155	17.56	2.17	12	4	.07	.6	.2	SNCL	1.0X	3	155	1
97	FEB	5	229	51.84	19	25.25	155	16.49	1.48	14	4	.13	.4	.3	SNCL	1.3X	3	109	1
97	FEB	5	249	1.45	19	25.03	155	17.10	3.48	14	4	.09	.9	.5	SNCL	1.7X	3	134	0
97	FEB	5	256	39.34	19	24.86	155	16.65	1.77	12	4	.09	.5	.4	SNCL	1.0X	4	94	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
97	FEB	5	307	46.40	19	25.15	155	16.45	1.80	12	4	.09	.4	.5	SNCL	1.5X	3	107	1
97	FEB	5	321	2.64	19	23.99	155	16.84	1.88	12	4	.08	.5	.3	SSCL	1.1X	4	144	0
97	FEB	5	432	4.41	19	24.77	155	16.81	2.59	13	4	.09	.6	.3	SNCL	1.4X	3	123	0
97	FEB	5	442	50.62	19	25.29	155	16.60	1.85	17	4	.09	.3	.3	SNCL	1.6X	4	104	1
97	FEB	5	443	52.56	19	25.37	155	16.31	0.91	17	4	.13	.3	.5	SNCL	1.7X	3	118	1
97	FEB	5	447	0.79	19	24.81	155	17.03	1.90	15	4	.09	.4	.2	SNCL	1.7X	3	116	0
97	FEB	5	454	6.36	19	24.65	155	16.75	2.31	18	5	.11	.4	.2	SNCL	1.7X	4	88	1
97	FEB	5	508	55.45	19	24.68	155	17.32	6.08	13	4	.08	1.1	.6	INTL	1.5X	4	149	1
97	FEB	5	511	35.17	19	24.51	155	17.03	2.13	19	4	.13	.4	.2	SSCL	1.8X	4	113	1
97	FEB	5	535	58.11	19	24.84	155	16.31	1.69	12	4	.12	.4	.6	SNCL	1.4X	3	100	1
97	FEB	5	622	37.69	19	24.73	155	16.51	1.81	15	4	.12	.4	.3	SNCL	1.5X	4	94	1
97	FEB	5	647	40.73	19	24.18	155	17.09	1.50	15	4	.12	.5	.3	SSCL	1.5X	4	146	1
97	FEB	5	658	5.57	19	24.56	155	16.92	1.89	17	5	.10	.4	.2	SNCL	1.5X	3	117	1
97	FEB	5	705	40.54	19	24.91	155	17.05	1.97	11	4	.10	.6	.3	SNCL	1.2X	3	141	0
97	FEB	5	706	11.40	19	24.74	155	16.66	2.36	11	4	.08	.5	.5	SNCL	1.4X	3	144	1
97	FEB	5	711	50.28	19	24.44	155	16.94	1.84	16	4	.11	.5	.2	SSCL	1.1X	4	118	1
97	FEB	5	720	34.30	19	24.14	155	16.98	1.30	14	4	.09	.4	.3	SSCL	1.2X	3	138	1
97	FEB	5	721	7.55	19	24.33	155	16.23	1.12	11	4	.08	.3	.5	SECL	1.2X	3	91	1
97	FEB	5	727	24.15	19	25.11	155	16.61	2.15	17	4	.11	.4	.2	SNCL	1.4X	4	102	1
97	FEB	5	751	15.87	19	24.53	155	16.51	1.01	14	4	.10	.3	.3	SSCL	1.4X	4	109	1
97	FEB	5	801	6.19	19	25.06	155	16.54	0.48	11	4	.06	.3	.5	SNCL	.8X	4	102	1
97	FEB	5	822	20.26	19	24.24	155	17.43	1.44	34	9	.12	.2	.2	SSCL	2.2X	3	50	1
97	FEB	5	828	0.83	19	25.02	155	16.88	2.03	21	5	.10	.4	.2	SNCL	1.6X	5	94	0
97	FEB	5	837	59.13	19	24.30	155	16.95	1.65	11	4	.08	.5	.3	SSCL	1.2X	4	152	1
97	FEB	5	838	23.83	19	24.38	155	16.19	0.56	12	4	.09	.2	.5	SECL	1.5X	3	132	1
97	FEB	5	851	53.78	19	24.37	155	17.05	1.83	17	5	.11	.4	.2	SSCL	1.4X	5	119	1
97	FEB	5	852	12.14	19	24.44	155	17.16	1.72	17	5	.09	.4	.2	SSCL	1.5X	3	121	1
97	FEB	5	858	51.89	19	24.50	155	16.69	1.34	14	5	.08	.3	.2	SSCL	1.1X	4	124	1
97	FEB	5	911	3.87	19	19.59	155	7.51	9.29	31	6	.09	.5	.6	SF4	1.6X	6	135	4
97	FEB	5	917	53.39	19	24.64	155	16.72	1.40	19	5	.11	.3	.2	SNCL	1.3X	3	88	1
97	FEB	5	923	52.29	19	24.33	155	16.85	2.13	17	5	.09	.4	.2	SSCL	1.5X	4	95	1
97	FEB	5	928	13.90	19	24.29	155	17.06	2.08	14	4	.06	.4	.3	SSCL	1.5X	4	129	1
97	FEB	5	1053	7.27	19	24.48	155	16.65	1.47	11	4	.09	.4	.4	SSCL	.9X	2	122	1
97	FEB	5	1059	33.00	19	25.22	155	16.56	1.31	11	3	.08	.3	.4	SNCL	1.1X	4	106	1
97	FEB	5	1113	48.00	19	17.62	155	13.17	10.44	4812		.11	.4	.5	SF2	2.0X	7	171	9
97	FEB	5	1116	57.84	19	24.51	155	16.39	1.77	12	4	.12	.4	.3	SECL	1.3X	2	136	1
97	FEB	5	1129	2.13	19	24.53	155	16.72	1.86	15	4	.10	.4	.2	SSCL	1.5X	3	86	1
97	FEB	5	1143	46.86	19	24.27	155	17.53	2.42	12	4	.08	.8	.4	SSCL	1.3X	3	210	1
97	FEB	5	1153	10.68	19	24.20	155	16.78	1.59	16	4	.07	.3	.2	SSCL	1.6X	3	90	1
97	FEB	5	1157	12.44	19	25.40	155	16.71	3.24	16	4	.10	.5	.3	SNCL	1.7X	4	107	1
97	FEB	5	1159	30.12	19	25.04	155	16.05	1.67	17	4	.09	.2	.3	SNCL	1.5X	3	114	2
97	FEB	5	1201	53.98	19	22.27	155	28.80	12.86	36	4	.10	.4	.9	KAO	1.6X	5	77	2
97	FEB	5	1208	41.51	19	24.66	155	16.81	1.85	14	4	.12	.5	.2	SNCL	1.1X	3	121	1
97	FEB	5	1219	58.36	19	24.57	155	16.80	1.77	15	4	.09	.4	.2	SNCL	1.1X	3	115	1
97	FEB	5	1226	59.76	19	24.61	155	16.98	1.96	18	5	.10	.4	.2	SNCL	1.5X	3	83	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
97	FEB	5	1228	41.91	19	25.15	155	16.89	1.59	18	4	.10	.3	.2	SNCL	1.6X	3	96	0
97	FEB	5	1234	3.26	19	24.65	155	16.72	2.08	13	4	.08	.5	.3	SNCL	1.1X	2	122	1
97	FEB	5	1332	40.10	19	24.43	155	16.98	2.06	15	4	.10	.4	.3	SSCL	1.4X	3	118	1
97	FEB	5	1334	17.58	19	24.79	155	16.46	1.58	15	4	.09	.3	.3	SNCL	1.6X	3	97	1
97	FEB	5	1402	39.14	19	24.77	155	16.81	1.88	14	4	.11	.4	.2	SNCL	1.6X	3	90	0
97	FEB	5	1410	0.03	19	24.60	155	16.54	1.36	14	4	.09	.3	.3	SNCL	.8X	3	89	1
97	FEB	5	1416	20.73	19	24.45	155	17.23	1.99	13	4	.10	.5	.3	SSCL	1.0X	4	149	1
97	FEB	5	1454	4.81	19	25.15	155	16.37	1.02	15	4	.08	.2	.4	SNCL	1.5X	3	109	1
97	FEB	5	1510	5.06	19	24.37	155	16.94	1.93	15	5	.09	.4	.3	SSCL	1.6X	4	118	1
97	FEB	5	1551	29.72	19	24.25	155	16.22	0.76	12	4	.06	.2	.4	SECL	1.1X	4	124	1
97	FEB	5	1552	1.67	19	24.24	155	17.21	1.83	14	5	.08	.4	.3	SSCL	1.3X	4	133	1
97	FEB	5	1619	12.81	19	24.35	155	16.61	1.03	11	4	.07	.3	.4	SSCL	1.1X	4	121	1
97	FEB	5	1708	39.18	19	25.10	155	37.93	2.88	36	8	.14	.3	.4	MLO	1.9X	6	97	1
97	FEB	5	1725	30.26	19	24.19	155	17.74	1.92	12	4	.06	.6	.3	SSCL	1.1X	3	185	2
97	FEB	5	1725	53.00	19	24.28	155	17.56	2.00	12	4	.09	.6	.4	SSCL	1.3X	3	172	2
97	FEB	5	1737	53.58	19	24.89	155	16.67	1.96	18	4	.10	.4	.2	SNCL	1.4X	3	95	1
97	FEB	5	1805	0.49	19	24.43	155	17.09	1.79	16	4	.09	.4	.2	SSCL	.9X	4	78	1
97	FEB	5	1805	17.33	19	24.67	155	16.78	1.96	16	5	.09	.4	.2	SNCL	1.4X	4	114	1
97	FEB	5	1818	29.72	19	24.53	155	16.82	1.62	18	4	.10	.4	.2	SSCL	1.4X	3	84	1
97	FEB	5	1820	11.47	19	20.62	155	4.26	3.95	29	4	.12	.6	2.5	SSF	1.5X	4	179	8
97	FEB	5	1823	48.13	19	24.48	155	17.50	2.21	17	5	.10	.5	.2	SSCL	1.5X	5	126	1
97	FEB	5	1827	2.07	19	21.26	155	15.47	1.01	20	7	.08	.2	.3	KOA	1.3X	5	142	2
97	FEB	5	1827	26.16	19	24.72	155	17.02	2.28	11	4	.03	.5	.3	SNCL	.9X	3	145	0
97	FEB	5	1837	18.97	19	24.44	155	16.68	1.76	21	5	.09	.3	.2	SSCL	1.6X	5	83	1
97	FEB	5	1857	0.44	19	24.33	155	17.32	2.78	11	4	.08	.9	.4	SSCL	.9X	2	188	1
97	FEB	5	1857	21.60	19	24.80	155	16.56	2.33	12	4	.08	.5	.3	SNCL	1.2X	4	147	1
97	FEB	5	1937	0.89	19	24.54	155	17.14	1.64	13	2	.13	.4	.2	SSCL	1.6X	3	79	1
97	FEB	5	2006	4.57	19	23.91	155	18.59	2.55	8		.15	1.0	.9	SSCL	1.5X	3	161	3
97	FEB	5	2023	9.08	19	24.48	155	16.67	0.64	8		.12	.5	.5	SSCL	1.3X	1	124	1
97	FEB	5	2110	23.55	19	24.96	155	17.25	1.79	10	1	.08	.5	.3	SNCL	1.6X	3	85	0
97	FEB	5	2122	12.01	19	21.59	155	15.93	1.94	20	3	.10	.3	.4	KOA	2.2X	3	131	1
97	FEB	5	2130	57.43	19	21.54	155	15.98	1.80	15	3	.05	.3	.3	KOA	1.8X	3	132	2
97	FEB	5	2208	27.83	19	24.54	155	16.86	1.33	8	1	.05	.5	.3	SNCL	1.2X	3	137	1
97	FEB	5	2253	21.55	19	24.51	155	16.78	1.50	8	1	.06	.5	.4	SSCL	1.4X	2	131	1
97	FEB	5	2322	28.28	19	24.55	155	17.04	1.76	9	1	.10	.7	.3	SNCL	1.5X	2	154	1
97	FEB	5	2324	52.39	19	24.61	155	16.78	1.51	8		.08	.6	.4	SNCL			129	1
97	FEB	5	2324	54.56	19	24.79	155	16.90	2.10	5		.05	1.2	.6	SNCL			156	0
97	FEB	5	2328	33.78	19	24.69	155	16.48	2.24	19	4	.10	.3	.2	SNCL	1.4X	3	93	1
97	FEB	5	2346	33.71	19	24.60	155	16.82	1.55	13	2	.10	.4	.2	SNCL	1.8X	3	86	1
97	FEB	6	15	54.34	19	24.32	155	16.87	1.76	18	5	.06	.3	.2	SSCL	1.4X	4	79	1
97	FEB	6	31	48.09	19	24.59	155	16.53	1.51	12	4	.07	.3	.3	SNCL	1.0X	4	138	1
97	FEB	6	45	20.83	19	22.82	155	18.09	2.78	13	4	.11	.8	.5	SSCL	1.9X	2	232	2
97	FEB	6	51	16.96	19	24.66	155	16.34	0.77	15	4	.13	.2	.4	SNCL	1.2X	3	94	1
97	FEB	6	101	21.25	19	24.45	155	16.86	1.82	20	5	.10	.3	.2	SSCL	1.6X	4	82	1
97	FEB	6	101	48.85	19	24.39	155	17.50	1.76	18	6	.07	.3	.2	SSCL	1.7X	4	127	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
97	FEB	6	108	41.86	19	24.06	155	17.59	0.53	13	4	.10	.4	.4	SSCL	.7X	4	184	2
97	FEB	6	108	58.66	19	24.65	155	16.59	2.00	12	4	.09	.4	.4	SNCL	.9X	3	109	1
97	FEB	6	113	17.59	19	24.69	155	16.55	1.44	11	4	.07	.3	.4	SNCL	1.1X	3	144	1
97	FEB	6	125	28.14	19	24.62	155	16.85	1.79	17	4	.11	.4	.2	SNCL	1.4X	3	86	1
97	FEB	6	141	28.64	19	24.63	155	17.13	1.87	15	5	.08	.5	.2	SNCL	1.3X	4	79	1
97	FEB	6	146	27.52	19	20.68	155	15.21	0.01	18	5	.08	.3	.3	KOA #	1.5X	5	157	3
97	FEB	6	240	28.32	19	24.59	155	16.28	3.98	16	4	.12	.5	.4	SNCL	1.8X	3	93	1
97	FEB	6	249	4.02	19	26.36	155	28.97	9.64	41	9	.09	.4	.5	KAO	1.8X	6	56	7
97	FEB	6	334	20.66	19	19.64	155	6.91	5.93	26	2	.08	.5	1.0	SF4	1.1X	4	150	5
97	FEB	6	334	38.12	19	24.57	155	16.48	2.42	14	4	.06	.4	.3	SNCL	1.1X	3	105	1
97	FEB	6	338	48.68	19	24.51	155	16.48	1.25	11	3	.07	.3	.4	SECL	.8X	4	106	1
97	FEB	6	341	30.37	19	24.66	155	16.48	1.44	14	4	.11	.3	.3	SNCL	1.2X	4	92	1
97	FEB	6	346	11.65	19	24.45	155	15.59	2.73	12	4	.12	.4	.8	SECL	1.0X	4	95	2
97	FEB	6	400	5.41	19	24.96	155	16.71	2.37	14	4	.12	.5	.3	SNCL	1.1X	4	97	1
97	FEB	6	422	31.96	19	24.45	155	16.79	1.40	16	4	.10	.4	.2	SSCL	.9X	4	83	1
97	FEB	6	422	47.28	19	24.78	155	16.96	2.08	21	6	.12	.4	.2	SNCL	1.4X	4	87	0
97	FEB	6	423	13.07	19	24.91	155	16.45	1.68	14	4	.10	.4	.4	SNCL	1.3X	3	100	1
97	FEB	6	428	5.89	19	24.48	155	16.68	1.18	12	4	.07	.3	.3	SSCL	1.1X	4	119	1
97	FEB	6	428	33.66	19	24.57	155	16.80	1.79	14	4	.09	.4	.2	SNCL	1.3X	4	86	1
97	FEB	6	429	33.36	19	24.41	155	17.18	1.89	14	4	.09	.5	.3	SSCL	1.5X	3	146	1
97	FEB	6	452	51.14	19	24.69	155	16.63	1.83	13	4	.13	.5	.4	SNCL	1.1X	3	90	1
97	FEB	6	511	44.90	19	24.59	155	17.03	1.72	14	4	.08	.4	.2	SNCL	1.3X	3	136	1
97	FEB	6	547	29.13	19	24.74	155	16.75	1.15	23	9	.11	.3	.2	SNCL	2.1X	6	141	1
97	FEB	6	600	58.62	19	24.54	155	17.18	2.30	17	4	.09	.5	.2	SNCL	1.6X	4	115	1
97	FEB	6	611	14.33	19	24.62	155	16.99	1.72	14	4	.09	.5	.2	SNCL	1.2X	4	90	1
97	FEB	6	619	3.11	19	25.14	155	16.42	2.57	18	4	.09	.4	.3	SNCL	1.8X	4	107	1
97	FEB	6	659	50.53	19	24.19	155	16.72	4.90	11	3	.06	1.0	1.0	SSCL	1.1X	3	131	1
97	FEB	6	724	38.29	19	24.43	155	17.08	1.74	17	5	.10	.4	.2	SSCL	1.3X	4	136	1
97	FEB	6	759	38.23	19	24.50	155	17.25	2.06	17	5	.10	.4	.2	SSCL	1.4X	4	122	1
97	FEB	6	804	16.67	19	25.02	155	16.65	1.95	19	4	.09	.3	.2	SNCL	1.6X	3	98	1
97	FEB	6	804	38.18	19	24.54	155	16.79	1.55	26	8	.13	.3	.2	SSCL	2.1X	5	85	1
97	FEB	6	806	51.87	19	25.10	155	16.29	1.84	14	4	.07	.3	.4	SNCL	1.5X	3	109	1
97	FEB	6	807	9.55	19	24.70	155	16.91	1.66	15	4	.09	.4	.2	SNCL	1.4X	4	87	0
97	FEB	6	807	29.79	19	24.58	155	16.71	1.89	21	6	.12	.4	.2	SNCL	2.1X	4	87	1
97	FEB	6	807	54.28	19	24.93	155	16.59	1.72	13	4	.10	.4	.3	SNCL	1.7X	2	97	1
97	FEB	6	842	53.01	19	24.91	155	16.40	0.30	14	4	.10	.2	.4	SNCL	1.4X	4	101	1
97	FEB	6	843	8.48	19	24.65	155	16.49	1.33	12	4	.09	.4	.4	SNCL	1.2X	3	98	1
97	FEB	6	901	40.34	19	25.03	155	16.51	1.85	17	4	.10	.3	.3	SNCL	1.6X	3	102	1
97	FEB	6	939	7.11	19	24.99	155	16.42	1.99	17	4	.11	.3	.3	SNCL	1.8X	4	103	1
97	FEB	6	948	33.59	19	25.29	155	16.65	3.21	14	4	.11	.5	.4	SNCL	1.4X	2	105	1
97	FEB	6	948	36.63	19	24.83	155	16.76	2.00	21	5	.13	.3	.2	SNCL	1.5X	6	92	0
97	FEB	6	948	57.85	19	24.52	155	16.36	1.31	14	4	.10	.3	.3	SECL	1.5X	2	96	1
97	FEB	6	952	21.48	19	24.54	155	17.25	2.03	25	8	.10	.3	.1	SNCL	1.9X	5	54	1
97	FEB	6	952	49.96	19	24.82	155	16.30	0.81	16	4	.09	.2	.4	SNCL	1.4X	3	100	1
97	FEB	6	1001	36.34	19	24.58	155	16.95	1.95	17	4	.09	.4	.2	SNCL	1.4X	2	83	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
97	FEB	6	1001	42.79	19	25.02	155	16.57	3.83	18	5	.10	.5	.3	SNCL	1.9X	3	100	1
97	FEB	6	1001	55.95	19	25.10	155	16.28	1.24	15	4	.10	.3	.4	SNCL	1.4X	2	110	1
97	FEB	6	1005	1.87	19	24.26	155	17.03	1.59	19	5	.09	.4	.2	SSCL	1.5X	3	78	1
97	FEB	6	1015	34.32	19	24.66	155	16.55	1.87	23	8	.15	.3	.2	SNCL	1.9X	5	91	1
97	FEB	6	1135	4.60	19	24.63	155	16.98	2.05	23	7	.12	.4	.2	SNCL	2.0X	4	83	1
97	FEB	6	1147	20.77	19	24.79	155	16.29	0.25	10	3	.08	.2	.5	SNCL	1.6X	2	156	1
97	FEB	6	1147	44.19	19	24.65	155	16.19	0.99	8	2	.07	.3	.7	SNCL	1.6X	1	149	1
97	FEB	6	1152	47.37	19	24.88	155	16.86	1.93	20	6	.11	.4	.2	SNCL	1.5X	4	91	0
97	FEB	6	1228	20.00	19	24.51	155	16.60	1.70	14	3	.11	.4	.3	SSCL	1.3X	2	86	1
97	FEB	6	1228	32.12	19	24.69	155	16.45	1.02	13	4	.13	.3	.4	SNCL	1.3X	3	147	1
97	FEB	6	1245	51.94	19	24.91	155	16.84	2.05	18	5	.10	.4	.2	SNCL	1.7X	3	93	0
97	FEB	6	1345	2.57	19	24.40	155	17.04	2.11	13	4	.07	.4	.3	SSCL	1.4X	3	98	1
97	FEB	6	1426	29.44	19	24.60	155	16.60	1.72	10	2	.08	.3	.3	SNCL	1.3X	2	136	1
97	FEB	6	1429	57.42	19	24.21	155	15.57	3.03	11	4	.13	.5	.8	SECL	.9X	2	122	2
97	FEB	6	1437	4.01	19	25.06	155	16.09	2.15	9	2	.08	.5	.9	SNCL	1.3X	2	178	2
97	FEB	6	1441	31.95	19	24.48	155	16.84	1.78	12	4	.11	.5	.3	SSCL	1.5X	3	136	1
97	FEB	6	1503	11.08	19	24.89	155	17.08	2.60	15	4	.09	.5	.2	SNCL	1.3X	4	77	0
97	FEB	6	1512	25.24	19	51.36	155	43.27	34.58	34	5	.20	1.0	2.0	HUA	2.2X	4	135	22
97	FEB	6	1534	19.25	19	24.62	155	16.99	1.75	10	3	.07	.5	.3	SNCL	.9X	2	147	1
97	FEB	6	1534	59.78	19	24.55	155	16.85	1.45	8	2	.05	.4	.4	SNCL	1.4X	2	135	1
97	FEB	6	1644	33.10	19	24.66	155	16.80	1.62	19	6	.10	.3	.2	SNCL	1.8X	6	111	1
97	FEB	6	1651	28.16	19	24.85	155	16.77	1.91	11	3	.11	.4	.4	SNCL	1.3X	3	96	0
97	FEB	6	1744	37.25	19	21.99	155	27.69	11.04	34	3	.10	.4	.6	KAO	2.2X	2	77	1
97	FEB	6	1800	23.51	19	24.18	155	17.27	1.51	14	4	.12	.5	.3	SSCL	1.5X	4	135	1
97	FEB	6	1832	5.75	19	24.49	155	17.06	1.96	9	3	.07	.6	.3	SSCL	1.0X	2	157	1
97	FEB	6	1837	6.28	19	24.51	155	16.88	1.51	10	3	.08	.6	.3	SSCL	1.2X	2	140	1
97	FEB	6	1837	24.48	19	24.61	155	16.86	1.48	9	1	.06	.4	.3	SNCL	1.1X	2	132	1
97	FEB	6	1837	41.89	19	24.52	155	17.01	1.80	13	2	.06	.4	.2	SSCL	1.5X	2	85	1
97	FEB	6	1902	30.82	19	24.64	155	17.00	2.02	11	3	.10	.5	.3	SNCL	1.0X	2	88	0
97	FEB	6	1902	34.42	19	24.94	155	16.58	1.43	12	2	.11	.4	.3	SNCL	1.7X	2	160	1
97	FEB	6	1909	47.28	19	25.33	155	16.61	0.53	8	2	.06	.3	.5	SNCL	.6X	2	191	1
97	FEB	6	1945	39.34	19	24.64	155	17.03	1.69	17	3	.12	.3	.2	SNCL	2.0X	2	84	0
97	FEB	6	1959	55.54	19	24.45	155	17.00	1.90	15	4	.09	.4	.2	SSCL	1.2X	2	79	1
97	FEB	6	2006	29.98	19	24.03	155	16.43	1.39	8	3	.09	.3	.4	SECL	.7X	1	110	0
97	FEB	6	2006	55.50	19	25.02	155	16.85	1.52	10	2	.09	.5	.4	SNCL	1.0X	2	95	0
97	FEB	6	2015	59.99	19	24.96	155	17.91	0.92	11	2	.06	.4	.4	SNCL	1.4X	3	142	2
97	FEB	6	2017	47.66	19	25.17	155	16.88	1.36	11	2	.07	.4	.3	SNCL	1.4X	3	97	1
97	FEB	6	2017	58.21	19	25.35	155	15.73	4.18	12	4	.10	.6	.9	SNCL	2.0X	2	136	2
97	FEB	6	2110	10.65	19	24.92	155	17.18	1.64	11	2	.09	.5	.2	SNCL	1.3X	3	126	0
97	FEB	6	2118	35.19	19	24.12	155	16.29	1.63	10	4	.08	.3	.5	SECL	1.1X	2	113	1
97	FEB	6	2119	1.72	19	24.30	155	16.24	0.93	9	2	.09	.2	.6	SECL	1.1X	2	127	1
97	FEB	6	2119	21.21	19	24.56	155	16.51	1.06	8	1	.06	.4	.5	SNCL	1.1X	2	136	1
97	FEB	6	2137	4.41	19	24.20	155	17.31	15.96	5618		.13	.5	.3	DEP	2.5X	8	53	1
97	FEB	6	2228	8.34	19	28.74	154	53.85	0.83	24	2	.13	.4	.3	SLEF	1.3X	4	175	3
97	FEB	6	2229	35.90	19	13.88	155	33.65	13.56	4210		.11	.4	.5	DLS	2.2X	9	121	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
97	FEB	6	2239	42.46	19	24.37	155	17.01	1.64	14	3	.08	.4	.2	SSCL	1.3X	3	82	1
97	FEB	6	2239	58.29	19	24.82	155	16.48	0.75	8	1	.09	.3	.6	SNCL	1.0X	2	154	1
97	FEB	6	2243	57.32	19	24.48	155	16.33	0.82	11	4	.10	.2	.5	SECL	1.3X	3	135	1
97	FEB	6	2303	2.32	19	24.62	155	16.98	2.00	17	3	.10	.4	.2	SNCL	1.8X	3	83	1
97	FEB	6	2304	20.94	19	24.59	155	17.29	2.36	14	3	.13	.5	.3	SNCL	1.7X	1	81	1
97	FEB	6	2327	1.26	19	24.82	155	16.94	1.87	12	2	.11	.5	.2	SNCL	1.5X	3	127	0
97	FEB	6	2333	49.65	19	24.72	155	17.16	1.72	7	1	.06	.6	.4	SNCL	.9X	3	158	0
97	FEB	6	2338	46.56	19	25.13	155	16.33	2.40	9	1	.10	.7	.3	SNCL	1.5X	3	180	1
97	FEB	7	25	37.56	19	24.56	155	17.01	1.29	7	1	.05	.6	.3	SNCL	.5X	2	151	1
97	FEB	7	48	28.66	19	24.95	155	16.14	0.01	12	4	.08	.2	.5	SNCL#	1.5X	3	171	2
97	FEB	7	52	40.38	19	24.82	155	16.64	0.03	7	2	.04	.2	.4	SNCL#	.6X	2	150	1
97	FEB	7	212	3.92	19	24.68	155	17.25	2.12	11	1	.10	.5	.2	SNCL	1.3X	3	130	1
97	FEB	7	245	19.48	19	24.99	155	17.41	2.25	12	2	.14	.6	.3	SNCL	1.6X	3	83	1
97	FEB	7	248	41.53	19	25.46	155	16.31	0.04	11	2	.17	.3	.7	SNCL#	1.3X	3	120	2
97	FEB	7	248	59.80	19	25.22	155	17.05	1.74	10	3	.07	.6	.3	SNCL	1.8X	2	113	1
97	FEB	7	255	56.23	19	24.30	155	17.03	1.74	11	2	.08	.4	.3	SSCL	1.2X	2	79	1
97	FEB	7	308	57.44	19	24.54	155	16.94	1.86	13	3	.09	.4	.3	SNC	1.5X	2	94	1
97	FEB	7	316	12.38	19	24.57	155	16.89	1.67	13	3	.11	.4	.2	SNCL	1.5X	3	86	1
97	FEB	7	316	33.67	19	25.42	155	16.42	0.61	9	2	.11	.3	.7	SNCL	1.2X	2	201	1
97	FEB	7	329	5.03	19	25.26	155	17.39	2.92	8	1	.12	1.5	.5	SNCL	1.1X	2	155	0
97	FEB	7	358	15.45	19	25.04	155	16.91	0.44	9	2	.09	.4	.3	SNCL	.8X	1	159	0
97	FEB	7	405	7.77	19	24.17	155	18.53	0.74	9	3	.11	.4	.8	SSCL	1.7X	2	212	3
97	FEB	7	407	40.56	19	24.82	155	16.68	1.86	9	2	.08	.4	.6	SNCL	1.3X	2	149	1
97	FEB	7	407	47.79	19	24.40	155	16.91	2.14	14	3	.11	.4	.2	SSCL	1.8X	2	92	1
97	FEB	7	439	1.38	19	24.88	155	17.55	1.98	11	3	.10	.6	.3	SNCL	1.2X	3	155	1
97	FEB	7	439	9.26	19	25.03	155	16.72	5.09	9	3	.10	1.4	.9	INTL	1.9X	2	164	1
97	FEB	7	439	23.24	19	25.10	155	17.27	1.77	15	2	.14	.5	.2	SNCL	2.2X	1	87	1
97	FEB	7	446	38.44	19	24.87	155	16.33	0.81	10	3	.09	.3	.5	SNCL	.9X	2	161	1
97	FEB	7	449	52.37	19	24.30	155	17.08	2.30	21	7	.11	.4	.2	SSCL	2.3X	3	74	1
97	FEB	7	457	2.86	19	24.75	155	17.05	1.61	13	4	.07	.4	.2	SNCL	1.6X	3	77	0
97	FEB	7	610	27.43	19	24.81	155	17.39	2.01	17	4	.11	.4	.2	SNCL	2.1X	3	81	1
97	FEB	7	703	7.72	19	24.98	155	16.47	0.74	11	4	.08	.2	.5	SNCL	1.5X	3	166	1
97	FEB	7	708	14.31	19	25.20	155	16.20	0.70	16	5	.10	.2	.4	SNCL	1.7X	4	116	2
97	FEB	7	717	4.88	19	25.05	155	17.31	2.84	14	5	.09	.7	.2	SNCL	1.6X	4	141	1
97	FEB	7	719	40.06	19	24.80	155	17.66	2.33	13	3	.12	.6	.3	SNCL	1.9X	3	85	1
97	FEB	7	753	36.24	19	25.33	155	17.72	1.89	8	2	.07	1.0	.4	SNCL	1.3X	3	302	1
97	FEB	7	754	2.53	19	24.88	155	16.61	1.40	9	2	.03	.4	.3	SNCL	1.2X	3	156	1
97	FEB	7	754	17.02	19	25.13	155	15.60	1.19	9	3	.11	.5	1.1	SNCL	1.6X	3	218	2
97	FEB	7	825	32.57	19	24.86	155	16.48	0.85	10	2	.05	.3	.4	SNCL	1.5X	3	158	1
97	FEB	7	921	10.81	19	25.43	155	15.93	0.03	10	3	.11	.3	.6	SNCL#	1.6X	2	207	2
97	FEB	7	928	22.16	19	24.08	155	17.05	1.57	15	4	.11	.5	.3	SSCL	1.4X	3	122	1
97	FEB	7	935	10.63	19	24.72	155	17.57	2.72	11	4	.05	.9	.3	SNCL	1.2X	4	203	1
97	FEB	7	935	40.35	19	24.61	155	17.26	2.94	11	4	.09	.8	.4	SNCL	1.3X	3	174	1
97	FEB	7	1023	20.70	19	24.54	155	17.08	2.01	12	2	.10	.5	.3	SNCL	1.5X	2	78	1
97	FEB	7	1051	36.61	19	24.41	155	17.62	2.01	12	3	.09	.6	.4	SSCL	1.3X	3	86	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
97	FEB	7	1337	25.27	19	25.26	155	16.88	0.67	13	5	.10	.4	.3	SNCL	1.1X	3	160	1
97	FEB	7	1337	52.17	19	24.79	155	16.66	0.77	12	4	.08	.3	.3	SNCL	1.0X	3	145	1
97	FEB	7	1338	40.81	19	24.89	155	16.67	0.08	14	7	.08	.2	.3	SNCL	1.7X	5	154	1
97	FEB	7	1339	23.89	19	24.95	155	17.13	2.02	13	4	.08	.5	.2	SNCL	1.4X	4	139	0
97	FEB	7	1339	35.13	19	24.39	155	16.09	0.54	11	4	.07	.2	.5	SECL	1.4X	4	134	1
97	FEB	7	1341	18.09	19	24.61	155	17.13	1.92	13	4	.10	.5	.3	SNCL	1.4X	3	79	1
97	FEB	7	1345	10.16	19	24.74	155	18.31	0.88	11	1	.08	.4	.6	SNCL	1.9X	2	95	2
97	FEB	7	1352	50.10	19	24.88	155	16.72	1.40	11	1	.12	.4	.3	SNCL	1.7X	2	95	0
97	FEB	7	1400	35.34	19	24.73	155	17.36	1.74	11	2	.08	.5	.3	SNCL	1.6X	3	110	1
97	FEB	7	1402	24.60	19	24.73	155	17.00	2.32	11	1	.13	.6	.3	SNCL	1.8X	2	87	0
97	FEB	7	1501	49.66	19	24.67	155	17.16	1.90	14	2	.08	.4	.2	SNCL	1.8X	2	79	1
97	FEB	7	1539	44.97	19	24.37	155	16.49	1.23	12	4	.15	.3	.4	SECL	1.3X	3	123	1
97	FEB	7	1546	18.79	19	24.81	155	17.29	2.01	9	2	.10	.6	.3	SNCL	1.0X	3	167	1
97	FEB	7	1551	49.83	19	24.91	155	16.84	1.54	9	1	.13	.4	.4	SNCL	1.4X	3	93	0
97	FEB	7	1551	52.69	19	24.76	155	16.70	1.69	10	3	.09	.4	.4	SNCL	1.8X	3	107	1
97	FEB	7	1627	27.94	19	24.47	155	17.00	1.78	12	2	.07	.3	.2	SSCL	1.6X	2	94	1
97	FEB	7	1635	10.17	19	24.66	155	16.52	2.45	10	2	.13	.7	.6	SNCL	1.1X	2	101	1
97	FEB	7	1731	54.52	19	24.88	155	17.17	5.04	14	4	.08	.9	.6	INTL	1.1X	4	127	0
97	FEB	7	1850	22.89	19	24.58	155	17.07	1.92	18	3	.10	.3	.2	SNCL	2.0X	3	76	1
97	FEB	7	1949	50.50	19	24.40	155	16.88	1.50	11	2	.09	.4	.3	SSCL	1.3X	2	95	1
97	FEB	7	2208	29.57	19	24.78	155	17.10	1.74	14	3	.06	.4	.2	SNCL	1.5X	2	77	0
97	FEB	7	2209	6.11	19	24.72	155	16.23	0.29	10	3	.08	.2	.5	SNCL	.9X	3	153	1
97	FEB	7	2220	46.50	19	24.83	155	17.06	1.73	12	2	.10	.4	.2	SNCL	1.4X	3	76	0
97	FEB	7	2250	25.09	19	24.42	155	16.97	1.75	10	2	.08	.5	.3	SSCL	1.6X	3	143	1
97	FEB	7	2253	16.19	19	24.55	155	17.17	1.42	11	1	.05	.4	.2	SNCL	1.6X	2	79	1
97	FEB	7	2253	19.93	19	24.52	155	16.00	1.93	15	4	.19	.5	.4	SECL	1.9X	2	95	2
97	FEB	7	2352	30.50	19	25.47	155	15.70	2.15	14	4	.08	.3	.5	SNCL	1.7X	3	142	3
97	FEB	8	142	20.23	19	24.74	155	17.48	1.89	11	2	.10	.6	.3	SNCL	1.2X	3	155	1
97	FEB	8	159	16.56	19	52.90	155	31.23	23.67	38	6	.10	.9	1.4	KEA	1.7X	6	209	13
97	FEB	8	301	2.49	19	24.35	155	17.17	1.81	12	3	.09	.4	.3	SSCL	1.7X	2	80	1
97	FEB	8	703	26.81	19	24.02	155	17.50	2.25	11	2	.10	.9	.4	SSCL	1.7X	2	181	2
97	FEB	8	849	21.62	19	24.59	155	17.95	2.85	12	2	.17	1.0	.6	SNCL	1.7X	3	147	2
97	FEB	8	931	55.51	19	24.55	155	16.80	2.72	11	2	.12	.4	.3	SNCL	1.9X	2	84	1
97	FEB	8	936	7.02	19	24.83	155	16.35	1.31	11	4	.07	.3	.5	SNCL	.9X	3	158	1
97	FEB	8	936	33.93	19	24.34	155	16.59	0.98	11	4	.12	.3	.4	SSCL#	1.0X	3	119	1
97	FEB	8	1002	53.07	19	21.24	155	15.19	1.38	15	3	.07	.3	.6	KOA	1.4X	2	145	2
97	FEB	8	1327	20.88	19	24.36	155	17.14	1.67	20	6	.10	.3	.2	SSCL	1.8X	4	115	1
97	FEB	8	1327	39.50	19	24.42	155	16.78	1.59	14	4	.10	.4	.3	SSCL	1.8X	3	106	1
97	FEB	8	1328	6.15	19	24.37	155	17.06	2.16	15	3	.10	.4	.3	SSCL	1.8X	3	79	1
97	FEB	8	1334	29.93	19	24.50	155	17.24	2.14	13	2	.07	.6	.2	SSCL	1.1X	3	80	1
97	FEB	8	1334	44.99	19	24.59	155	16.90	1.52	13	3	.07	.3	.2	SNCL	1.2X	2	86	1
97	FEB	8	1856	6.33	19	24.59	155	16.95	1.78	13	2	.07	.4	.2	SNCL	1.5X	2	83	1
97	FEB	8	1957	48.73	19	24.33	155	16.50	1.14	13	3	.11	.3	.3	SECL	1.3X	3	82	1
97	FEB	8	2050	27.73	19	25.13	155	16.77	1.74	23	6	.13	.4	.2	SNCL	2.5X	3	99	1
97	FEB	9	138	29.50	19	24.37	155	17.34	2.54	16	4	.11	.6	.3	SSCL	1.4X	4	125	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
97	FEB	9	227	12.77	19	24.90	155	16.08	12.35	16	4	.13	1.2	1.0	INTL	1.6X	4	108	2
97	FEB	9	235	4.85	19	24.70	155	15.84	0.01	20	6	.15	.2	.4	SNCL#	2.0X	5	104	2
97	FEB	9	246	1.53	19	24.88	155	16.54	11.59	20	5	.14	1.1	.9	INTL	1.6X	5	97	1
97	FEB	9	527	35.02	19	24.44	155	16.07	0.35	14	4	.12	.2	.4	SECL	1.3X	4	137	1
97	FEB	9	626	4.31	19	24.71	155	17.15	2.05	14	4	.14	.6	.2	SNCL	1.2X	4	140	0
97	FEB	9	702	5.60	19	24.79	155	15.97	2.66	17	5	.12	.4	.4	SNCL	1.5X	4	106	2
97	FEB	9	708	2.21	19	24.54	155	16.92	1.97	16	4	.09	.4	.2	SNCL	1.4X	4	82	1
97	FEB	9	745	4.36	19	24.36	155	16.68	0.86	11	4	.07	.3	.3	SSCL	1.1X	3	126	1
97	FEB	9	848	27.43	19	25.55	155	14.07	5.68	16	5	.08	.9	1.1	INTL	1.7X	4	244	2
97	FEB	9	855	26.17	19	24.69	155	17.15	2.42	16	4	.14	.5	.2	SNCL	1.2X	3	78	0
97	FEB	9	946	20.78	19	24.98	155	17.37	2.55	14	5	.12	.6	.3	SNCL	1.5X	4	145	1
97	FEB	9	1046	29.78	19	19.03	155	13.20	9.42	4510		.11	.4	.4	SF2	1.8X	9	138	7
97	FEB	9	1047	56.10	19	33.62	156	7.69	29.03	26	3	.11	1.2	1.5	KON	2.0X	4	250	23
97	FEB	9	1052	28.91	19	24.54	155	16.38	1.00	11	4	.11	.3	.5	SECL	.9X	3	138	1
97	FEB	9	1352	52.97	19	24.74	155	17.92	6.05	19	6	.11	.6	.6	INTL	2.1X	5	132	1
97	FEB	9	1553	57.64	19	31.18	155	48.39	9.46	32	7	.12	.7	.4	KON	1.6X	4	96	5
97	FEB	9	1557	44.62	19	20.28	155	12.93	7.99	30	3	.10	.5	.7	SF2	1.4X	4	120	4
97	FEB	9	1805	48.82	19	23.77	155	16.06	7.61	27	6	.11	.4	.5	INTL	2.1X	5	68	1
97	FEB	9	1808	8.93	19	25.11	155	15.85	1.70	23	5	.13	.3	.3	SNCL	1.7X	5	119	2
97	FEB	9	1850	34.01	19	24.60	155	16.73	2.51	13	4	.09	.5	.4	SNCL	1.5X	3	128	1
97	FEB	9	2024	27.13	19	24.43	155	16.15	4.41	13	4	.07	.6	.6	SECL	1.3X	4	89	1
97	FEB	9	2024	52.71	19	24.73	155	16.13	2.76	15	4	.10	.3	.3	SNCL	1.6X	3	100	2
97	FEB	9	2025	36.46	19	25.25	155	16.57	2.70	19	5	.10	.4	.3	SNCL	2.1X	4	105	1
97	FEB	9	2027	14.59	19	24.67	155	17.14	2.51	15	6	.12	.6	.3	SNCL	2.0X	2	127	0
97	FEB	9	2029	3.66	19	25.16	155	17.91	1.31	12	1	.16	.5	.3	SNCL	2.1X	2	87	1
97	FEB	9	2029	12.28	19	25.08	155	17.33	3.84	10	2	.04	.6	.3	SNCL	2.5X	1	128	1
97	FEB	9	2032	33.99	19	24.54	155	16.46	3.07	12	4	.12	.7	.7	SECL	1.3X	4	103	1
97	FEB	9	2037	14.81	19	25.15	155	16.77	2.06	15	4	.12	.4	.2	SNCL	1.4X	4	100	1
97	FEB	9	2037	32.52	19	25.50	155	16.81	1.52	18	5	.12	.3	.2	SNCL	1.9X	4	101	1
97	FEB	9	2108	20.54	19	24.88	155	17.11	1.69	13	1	.13	.5	.3	SNCL	1.8X	3	77	0
97	FEB	9	2108	54.88	19	24.41	155	16.63	2.05	9	2	.04	.5	.5	SSCL	1.0X	1	122	1
97	FEB	9	2109	24.50	19	24.85	155	16.99	1.65	10	1	.06	.4	.2	SNCL	1.2X	3	131	0
97	FEB	9	2120	5.79	19	26.06	155	17.02	8.74	12	2	.10	1.0	1.1	INTL	2.3X	3	108	2
97	FEB	9	2123	19.07	20	20.28	156	22.04	5.92	43	6	.14	4.1	4.8	DIS #	3.0X	4	314	66
97	FEB	9	2203	3.02	19	25.53	155	16.00	0.00	12	2	.08	.2	.6	SNCL	2.1X	3	134	2
97	FEB	9	2211	42.02	19	24.49	155	16.80	1.47	9	2	.06	.5	.4	SSCL	1.3X	2	134	1
97	FEB	9	2213	31.86	19	24.46	155	17.37	1.86	11	2	.08	.4	.2	SSCL	1.9X	3	114	1
97	FEB	9	2229	46.47	19	25.03	155	17.39	1.82	12	4	.08	.6	.2	SNCL	1.4X	4	167	1
97	FEB	9	2251	56.63	19	24.91	155	16.83	0.86	14	3	.13	.3	.3	SNCL	1.4X	3	93	2
97	FEB	9	2311	50.25	19	25.99	155	16.83	10.26	16	3	.09	.7	.9	INTL	2.3X	3	103	2
97	FEB	9	2325	45.95	19	23.87	155	16.53	7.17	12	1	.06	.7	1.1	INTL	1.7X	2	70	0
97	FEB	9	2346	0.81	19	24.89	155	15.51	8.69	24	5	.13	.5	.5	INTL	2.2X	4	102	2
97	FEB	9	2349	46.44	19	15.41	155	30.04	9.29	35	5	.12	.5	.8	LSW	1.9X	3	148	11
97	FEB	10	36	58.82	19	15.74	155	29.83	5.84	33	2	.13	.5	2.5	LSW	1.5X	5	143	11
97	FEB	10	46	15.20	19	24.37	155	17.94	11.73	23	5	.12	.7	.6	INTL	2.0X	4	56	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
97	FEB	10	46	29.92	19	23.73	155	19.00	8.97	18	4	.12	.7	1.0	INTL	2.0X	4	140	4
97	FEB	10	130	48.43	19	25.02	155	16.61	0.26	10	4	.08	.3	.4	SNCL	1.0X	2	99	1
97	FEB	10	135	54.32	19	25.06	155	16.08	0.80	17	3	.08	.2	.4	SNCL	1.6X	3	113	2
97	FEB	10	159	45.72	19	24.79	155	17.26	2.02	11	2	.10	.6	.3	SNCL	1.2X	3	144	0
97	FEB	10	159	54.50	19	24.44	155	16.83	1.12	10	2	.12	.5	.3	SSCL	1.4X	3	137	1
97	FEB	10	203	48.03	19	25.14	155	16.89	1.59	12	2	.12	.5	.2	SNCL	1.2X	3	96	0
97	FEB	10	203	55.72	19	24.75	155	17.76	1.83	9	2	.07	.6	.3	SNCL	1.6X	3	143	1
97	FEB	10	228	10.32	19	24.54	155	15.96	2.18	12	2	.11	.3	.4	SECL	2.1X	2	95	2
97	FEB	10	301	2.21	19	24.14	155	17.73	3.44	12	4	.04	.9	.5	SSCL	1.5X	3	186	2
97	FEB	10	322	17.52	19	25.31	155	16.17	0.91	18	4	.14	.2	.4	SNCL	1.8X	4	114	2
97	FEB	10	338	23.26	19	23.91	155	17.34	7.94	2710		.12	.4	.6	INTL	2.2X	7	57	1
97	FEB	10	339	56.43	19	23.42	155	18.92	7.49	21	7	.10	.6	.7	INTL	2.2X	5	139	3
97	FEB	10	425	52.89	19	23.73	155	17.87	13.18	14	3	.16	1.0	1.9	DEPL	2.4X	3	90	2
97	FEB	10	435	27.93	19	24.33	155	16.95	9.55	22	8	.10	.5	.6	INTL	2.1X	6	78	1
97	FEB	10	524	22.90	19	25.59	155	15.66	10.79	24	9	.08	.7	.6	INTL	2.3X	6	129	3
97	FEB	10	606	20.82	19	24.83	155	16.55	1.93	11	2	.21	.5	.5	SNCL	1.2X	2	147	1
97	FEB	10	636	42.65	19	23.82	155	16.95	5.46	13	3	.12	.6	.7	INTL	2.2X	2	78	1
97	FEB	10	652	42.38	19	21.10	155	18.16	10.29	15	4	.10	.8	1.3	SWRL	1.9X	5	138	5
97	FEB	10	705	32.77	19	8.33	156	19.02	37.35	37	6	.10	1.4	1.5	KON	2.6X	3	303	49
97	FEB	10	720	41.95	19	23.21	155	19.22	10.03	8	1	.08	3.0	2.4	KAOL	2.0X	3	239	4
97	FEB	10	727	22.04	19	25.02	155	16.55	3.58	13	4	.06	.5	.5	SNCL	1.2X	4	101	1
97	FEB	10	737	13.67	19	25.02	155	16.69	0.84	13	4	.09	.3	.3	SNCL	1.4X	4	153	1
97	FEB	10	737	42.84	19	24.58	155	17.41	2.09	12	4	.10	.6	.3	SNCL	1.7X	4	156	1
97	FEB	10	821	13.92	19	23.77	155	17.47	12.79	27	9	.10	.7	.6	INTL	2.2X	7	51	1
97	FEB	10	824	41.16	19	23.19	155	18.58	9.83	24	9	.12	.6	.8	INTL	2.1X	7	135	3
97	FEB	10	828	44.59	19	24.70	155	16.29	1.74	10	4	.08	.4	.6	SNCL	.7X	3	150	1
97	FEB	10	857	11.99	19	24.47	155	17.01	2.27	15	4	.11	.6	.3	SSCL	1.4X	3	127	1
97	FEB	10	859	50.89	19	24.75	155	15.64	9.49	19	5	.09	.8	.7	INTL	2.1X	5	111	2
97	FEB	10	859	58.98	19	24.05	155	15.94	5.57	24	4	.09	.4	.5	INTL	2.3X	3	77	1
97	FEB	10	925	22.57	19	24.55	155	17.40	9.27	24	9	.09	.6	.6	INTL	2.1X	7	117	1
97	FEB	10	954	0.99	19	24.88	155	16.53	11.15	26	9	.10	.7	.6	INTL	2.2X	7	97	1
97	FEB	10	1009	35.70	19	24.70	155	16.86	6.11	24	6	.11	.4	.5	INTL	2.1X	5	87	0
97	FEB	10	1019	24.95	19	25.10	155	16.49	2.22	18	4	.12	.4	.3	SNCL	1.7X	4	104	1
97	FEB	10	1111	6.69	19	24.00	155	17.83	11.23	21	6	.09	.8	.5	INTL	2.4X	6	54	2
97	FEB	10	1150	7.55	19	25.35	155	15.83	9.35	22	6	.10	.8	.7	INTL	2.2X	6	122	2
97	FEB	10	1218	22.01	19	24.76	155	17.26	12.22	22	7	.11	.6	.6	INTL	2.0X	6	75	1
97	FEB	10	1220	25.24	19	24.90	155	16.66	0.03	12	2	.15	.3	.3	SNCL#	2.2X	1	95	1
97	FEB	10	1231	10.42	19	25.05	155	16.50	2.47	11	2	.11	.5	.3	SNCL	2.0X	3	103	1
97	FEB	10	1235	32.26	19	24.31	155	18.33	3.24	9	1	.09	1.9	.6	SSCL	1.4X	3	255	2
97	FEB	10	1235	41.66	19	24.44	155	18.81	3.25	11	3	.13	.9	1.0	SSCL	1.5X	2	205	3
97	FEB	10	1252	40.77	19	25.31	155	17.03	12.05	13	2	.03	1.3	1.3	INTL	2.4X	3	96	1
97	FEB	10	1258	45.66	19	24.54	155	16.01	5.72	11	2	.08	.7	1.0	INTL	2.1X	2	95	2
97	FEB	10	1308	41.86	19	25.79	155	17.10	10.77	11	2	.09	1.3	1.2	INTL	1.9X	2	150	1
97	FEB	10	1312	29.16	19	25.25	155	16.60	3.23	9	2	.13	1.1	.9	SNCL	1.8X	3	105	1
97	FEB	10	1312	57.74	19	24.95	155	16.89	1.33	8	1	.09	.8	.3	SNCL	1.8X	2	120	0

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
97	FEB	10	1314	10.57	19	23.97	155	25.39	10.75	30	4	.10	.4	.9	KAO	1.9X	3	59	5
97	FEB	10	1319	30.02	19	24.30	155	17.21	2.42	10	2	.09	.6	.3	SSCL	1.5X	2	151	1
97	FEB	10	1332	6.86	19	19.85	155	10.96	7.00	25	4	.09	.5	.8	SF3	1.6X	3	125	5
97	FEB	10	1352	46.75	19	25.13	155	17.11	11.11	13	3	.12	1.1	1.1	INTL	2.1X	2	116	0
97	FEB	10	1412	48.13	19	25.06	155	16.74	3.82	13	3	.13	.6	.5	SNCL	1.7X	2	98	1
97	FEB	10	1424	33.48	19	24.71	155	17.00	1.97	11	1	.09	.5	.3	SNCL	1.8X	2	125	0
97	FEB	10	1433	13.96	19	24.82	155	16.64	1.68	11	2	.14	.5	.4	SNCL	1.2X	2	93	1
97	FEB	10	1433	18.68	19	25.22	155	18.41	2.29	13	3	.10	.7	.3	SNCL	1.9X	2	149	1
97	FEB	10	1439	57.73	19	24.73	155	17.04	1.23	12	1	.10	.4	.2	SNCL	2.0X	2	78	0
97	FEB	10	1512	44.77	19	23.81	155	17.43	11.04	13	2	.14	1.2	1.6	INTL	2.3X	2	130	1
97	FEB	10	1537	34.24	19	24.84	155	16.38	1.69	8	2	.09	.4	.5	SNCL	1.2X	3	157	1
97	FEB	10	1606	33.03	19	24.19	155	18.18	1.26	9	2	.09	.4	.5	SSCL	1.6X	2	196	2
97	FEB	10	1612	40.84	19	25.92	155	17.19	13.40	13	3	.09	1.8	1.1	DEPL	2.5X	3	248	1
97	FEB	10	1619	24.12	19	25.02	155	16.73	12.14	13	3	.10	1.3	1.1	INTL	1.9X	2	98	1
97	FEB	10	1651	30.25	19	24.86	155	17.30	2.38	9	2	.12	.6	.4	SNCL	1.5X	2	110	1
97	FEB	10	1702	29.44	19	24.91	155	16.29	1.27	11	3	.10	.4	.5	SNCL	.9X	1	154	1
97	FEB	10	1702	37.84	19	24.85	155	17.29	1.24	10		.05	.4	.3	SNCL	2.0X	2	80	1
97	FEB	10	1723	2.59	19	24.67	155	17.93	9.29	12	1	.08	.9	1.4	INTL	2.3X	2	133	1
97	FEB	10	1739	50.44	19	24.91	155	17.54	4.82	12	2	.11	1.0	.7	SNCL	2.1X	1	134	1
97	FEB	10	1749	9.06	19	25.01	155	16.70	2.12	9	1	.07	.4	.5	SNCL	1.3X	3	153	1
97	FEB	10	1749	27.71	19	25.15	155	16.81	1.75	10	2	.16	.6	.3	SNCL	.9X	3	157	1
97	FEB	10	1750	33.43	19	25.61	155	17.12	2.22	14	2	.13	.6	.3	SNCL	2.4X	1	99	1
97	FEB	10	1751	26.21	19	25.14	155	16.85	0.86	9	2	.06	.4	.3	SNCL	1.4X	2	169	1
97	FEB	10	1751	29.97	19	24.26	155	16.92	1.83	9	2	.08	.8	.3	SSCL#	1.8X	2	149	1
97	FEB	10	1755	38.85	19	24.90	155	16.78	1.68	10	1	.10	.4	.4	SNCL	1.6X	2	94	0
97	FEB	10	1756	8.58	19	24.76	155	17.33	1.56	11	3	.21	.8	.4	SNCL	1.5X	3	147	1
97	FEB	10	1759	42.35	19	25.07	155	17.19	2.00	12	2	.10	.6	.3	SNCL	1.6X	3	147	0
97	FEB	10	1812	52.37	19	24.64	155	16.94	1.50	9	2	.08	.5	.4	SNCL	1.5X	2	140	0
97	FEB	10	1840	4.34	19	24.73	155	17.11	1.91	7	1	.08	.6	.5	SNCL	.6X	1	153	0
97	FEB	10	1840	27.47	19	24.94	155	17.06	2.05	8	2	.13	.7	.5	SNCL	1.3X	1	143	0
97	FEB	10	1841	3.78	19	24.59	155	16.74	1.69	8	2	.08	.4	.5	SNCL	1.3X	2	126	1
97	FEB	10	1851	19.64	19	24.22	155	18.17	6.27	12	2	.12	1.1	1.1	INTL	2.3X	2	156	2
97	FEB	10	1851	58.43	19	24.89	155	16.83	1.64	12	2	.11	.4	.2	SNCL	2.1X	1	93	0
97	FEB	10	1859	24.18	19	24.98	155	17.48	3.10	7	2	.04	1.4	.7	SNCL	.3X	1	183	1
97	FEB	10	1927	4.36	19	25.56	155	15.52	15.46	8	1	.07	2.2	1.8	DEPL	1.8X	2	222	3
97	FEB	10	1927	19.36	19	24.80	155	17.59	1.11	9	2	.14	.6	.4	SNCL	1.1X	2	204	1
97	FEB	10	1956	55.68	19	25.59	155	16.97	12.36	15	3	.07	.9	.9	INTL	2.4X	3	102	1
97	FEB	10	2015	33.01	19	24.60	155	16.81	1.62	10	3	.12	.5	.4	SNCL	1.4X	3	131	1
97	FEB	10	2017	42.52	19	24.34	155	17.33	7.83	11	1	.10	1.2	1.6	INTL	2.0X	2	125	1
97	FEB	10	2125	15.86	19	24.97	155	16.52	2.05	11	2	.08	.5	.2	SNCL	1.4X	2	100	1
97	FEB	10	2126	18.32	19	23.84	155	16.63	2.42	14	4	.10	.4	.3	SSCL	1.6X	3	74	0
97	FEB	10	2126	40.75	19	19.55	155	7.47	7.40	32	4	.11	.6	.7	SF4	1.4X	4	136	4
97	FEB	10	2235	50.55	19	25.32	155	16.40	1.13	13	4	.09	.3	.5	SNCL	1.0X	4	189	1
97	FEB	11	19	32.61	19	24.66	155	17.22	2.08	16	5	.11	.4	.2	SNCL	1.5X	4	79	1
97	FEB	11	54	13.89	19	24.48	155	15.63	3.09	15	4	.11	.4	.4	SECL	1.5X	3	96	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
97	FEB	11	232	29.51	19	24.71	155	16.80	2.21	12	4	.07	.5	.4	SNCL	.8X	3	127	1
97	FEB	11	403	54.75	19	24.60	155	17.54	2.62	14	4	.08	.6	.3	SNCL	1.2X	2	160	1
97	FEB	11	434	12.98	19	29.53	155	53.35	6.70	26	3	.14	.6	.7	KON	1.9X	4	111	3
97	FEB	11	457	42.99	19	24.94	155	17.20	2.58	20	7	.14	.5	.2	SNCL	1.9X	6	86	0
97	FEB	11	458	23.49	19	24.17	155	17.17	2.38	16	4	.09	.5	.3	SSCL	1.6X	4	80	1
97	FEB	11	507	9.36	19	24.60	155	16.81	1.27	11	4	.11	.4	.3	SNCL	.9X	4	132	1
97	FEB	11	520	34.22	19	23.36	155	16.33	4.69	16	4	.13	.6	.5	SECL	2.5X	3	70	1
97	FEB	11	525	0.19	19	25.30	155	16.44	1.40	12	4	.11	.3	.4	SNCL	1.2X	2	112	1
97	FEB	11	539	26.93	19	25.84	155	16.30	2.91	13	4	.08	.3	.5	SNCL	1.5X	2	131	2
97	FEB	11	545	43.20	19	24.81	155	16.96	2.13	16	4	.07	.4	.2	SNCL	1.2X	3	87	0
97	FEB	11	623	8.24	19	25.27	155	16.89	2.14	17	5	.10	.4	.2	SNCL	1.8X	5	98	1
97	FEB	11	633	19.63	19	23.85	155	15.49	1.51	14	4	.10	.3	.5	SECL	1.5X	2	78	2
97	FEB	11	726	34.49	19	24.57	155	16.32	1.18	15	4	.12	.3	.4	SNCL	1.0X	4	92	1
97	FEB	11	752	50.21	19	24.90	155	16.96	2.29	16	3	.11	.5	.2	SNCL	1.5X	3	89	0
97	FEB	11	803	19.49	19	25.02	155	16.34	1.25	21	7	.18	.3	.3	SNCL	1.9X	5	106	1
97	FEB	11	805	16.49	19	25.18	155	15.89	0.05	22	9	.15	.2	.3	SNCL	2.1X	5	123	2
97	FEB	11	809	17.60	19	25.47	155	16.92	2.32	18	5	.10	.4	.2	SNCL	2.1X	3	102	1
97	FEB	11	810	30.09	19	24.67	155	17.23	2.56	9	2	.12	.9	.4	SNCL	1.6X	3	168	1
97	FEB	11	813	20.65	19	25.26	155	16.37	2.03	12	2	.07	.4	.3	SNCL	1.7X	3	112	1
97	FEB	11	824	20.91	19	24.74	155	16.78	3.09	13	2	.14	.7	.4	SNCL	1.8X	2	90	0
97	FEB	11	825	9.42	19	25.25	155	16.16	0.20	9	2	.06	.2	.6	SNCL	1.3X	2	119	2
97	FEB	11	831	20.14	19	24.56	155	16.93	1.91	19	5	.12	.4	.2	SNCL	1.5X	4	83	1
97	FEB	11	919	54.80	19	24.43	155	17.70	2.66	15	4	.09	.6	.3	SSCL	1.7X	4	131	2
97	FEB	11	926	23.20	19	24.81	155	16.90	1.79	12	1	.10	.4	.2	SNCL	1.6X	3	90	0
97	FEB	11	927	48.74	19	7.37	156	19.61	31.02	35	4	.12	1.7	2.5	KON	2.7X	8	285	50
97	FEB	11	931	59.69	19	25.02	155	17.03	1.92	15	3	.11	.4	.2	SNCL	2.0X	2	91	0
97	FEB	11	932	48.87	19	24.68	155	16.60	1.84	10	2	.13	.4	.6	SNCL	1.5X	3	106	1
97	FEB	11	1013	2.50	19	24.66	155	16.88	1.78	11	2	.10	.5	.2	SNCL	1.6X	2	131	0
97	FEB	11	1013	12.59	19	24.58	155	17.31	1.60	9	1	.05	.7	.3	SNCL	1.5X	2	188	1
97	FEB	11	1046	52.28	19	24.85	155	16.33	2.73	8	2	.08	.6	1.1	SNCL	1.1X	3	160	1
97	FEB	11	1047	19.73	19	25.38	155	15.66	2.04	9	3	.10	.8	1.3	SNCL	1.1X	2	227	3
97	FEB	11	1114	42.20	19	24.95	155	16.37	1.18	25	6	.13	.2	.2	SNCL	2.1X	4	103	1
97	FEB	11	1114	57.85	19	24.38	155	17.38	0.80	19	4	.09	.3	.2	SSCL	2.2X	3	74	1
97	FEB	11	1115	21.14	19	24.78	155	16.77	1.73	21	5	.13	.4	.2	SNCL	2.5X	2	91	0
97	FEB	11	1120	3.50	19	24.57	155	16.81	1.70	21	7	.10	.3	.2	SNCL	2.2X	4	115	1
97	FEB	11	1120	16.62	19	25.65	155	16.89	2.23	26	5	.10	.3	.2	SNCL	2.2X	3	99	1
97	FEB	11	1127	16.69	19	22.03	155	4.32	8.84	29	4	.11	.6	.5	SF5	1.7X	5	158	6
97	FEB	11	1216	16.03	19	25.61	155	16.77	7.57	15	4	.06	.9	1.0	INTL	1.6X	4	106	1
97	FEB	11	1219	19.53	19	24.69	155	16.44	7.04	17	5	.10	.7	.7	INTL	1.7X	4	94	1
97	FEB	11	1221	5.14	19	25.35	155	16.18	6.62	14	3	.06	.7	.7	INTL	1.6X	2	120	2
97	FEB	11	1223	16.00	19	24.75	155	17.31	2.58	14	4	.09	.6	.2	SNCL	1.1X	4	130	1
97	FEB	11	1228	21.94	19	24.89	155	15.63	1.77	13	4	.06	.4	.5	SNCL	1.1X	3	159	2
97	FEB	11	1237	54.82	19	24.87	155	15.54	1.19	15	4	.10	.3	.4	SNCL	1.7X	3	119	2
97	FEB	11	1257	42.36	19	24.70	155	17.17	1.76	11	2	.08	.6	.3	SNCL	1.6X	3	141	0
97	FEB	11	1313	27.00	19	24.68	155	17.26	2.38	18	6	.10	.4	.2	SNCL	1.6X	5	121	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
97	FEB	11	1315	46.23	19	25.38	155	16.80	2.12	13	2	.09	.4	.3	SNCL	1.8X	2	104	1
97	FEB	11	1428	26.66	19	24.17	155	16.46	6.92	9	2	.06	1.3	2.1	INTL	1.7X	2	110	1
97	FEB	11	1445	59.86	19	24.58	155	17.06	1.83	14	4	.08	.4	.2	SNCL	1.6X	3	127	1
97	FEB	11	1558	29.75	19	25.40	155	15.77	1.27	14	4	.08	.3	.6	SNCL	1.4X	3	137	2
97	FEB	11	1558	53.85	19	25.00	155	17.20	1.95	14	4	.07	.5	.2	SNCL	1.5X	3	126	0
97	FEB	11	1559	19.90	19	25.15	155	16.21	2.03	15	4	.10	.3	.5	SNCL	1.9X	3	111	1
97	FEB	11	1633	58.50	19	24.33	155	16.92	1.64	10	2	.07	.4	.3	SSCL	1.3X	2	94	1
97	FEB	11	1647	14.20	19	24.75	155	17.01	1.99	11	2	.11	.6	.3	SNCL	1.5X	3	133	0
97	FEB	11	1700	44.47	19	24.76	155	17.18	2.28	7	1	.05	.8	.6	SNCL	1.0X	2	159	0
97	FEB	11	1840	2.51	19	24.82	155	19.48	2.56	8	2	.06	1.0	1.5	KAOL	.9X	2	306	3
97	FEB	11	1912	16.75	19	24.33	155	16.90	1.46	13	4	.09	.3	.2	SSCL	1.3X	3	93	1
97	FEB	11	2058	6.63	19	25.17	155	16.57	1.70	12	3	.08	.4	.3	SNCL	1.6X	2	104	1
97	FEB	11	2113	3.78	19	24.92	155	17.34	1.75	8		.04	.7	.3	SNCL	1.1X	2	167	1
97	FEB	11	2123	9.77	19	24.56	155	16.75	1.21	9	2	.07	.4	.4	SNCL	1.1X	3	127	1
97	FEB	11	2203	8.41	19	25.10	155	16.68	0.76	8		.07	.3	.5	SNCL	1.2X	3	100	2
97	FEB	11	2227	13.91	19	24.64	155	17.18	1.91	24	7	.11	.3	.1	SNCL	2.1X	6	56	1
97	FEB	11	2230	43.85	19	25.06	155	16.96	1.75	17	4	.11	.4	.2	SNCL	2.0X	4	93	0
97	FEB	11	2232	41.31	19	24.89	155	16.00	0.13	13	4	.11	.2	.6	SNCL	1.0X	3	109	2
97	FEB	11	2232	59.56	19	25.29	155	16.73	1.83	19	5	.12	.4	.2	SNCL	1.7X	5	102	1
97	FEB	11	2233	23.82	19	24.69	155	16.51	1.22	12	4	.11	.4	.4	SNCL	1.1X	1	97	1
97	FEB	11	2234	19.35	19	25.04	155	17.09	2.06	12	1	.10	.5	.3	SNCL	1.9X	3	89	0
97	FEB	11	2235	47.89	19	24.74	155	17.25	1.51	15	3	.17	.5	.3	SNCL	2.1X	2	80	1
97	FEB	11	2237	49.31	19	24.34	155	17.57	1.68	16	4	.11	.5	.2	SSCL	1.5X	3	85	1
97	FEB	11	2237	54.86	19	25.19	155	16.43	1.10	19	4	.12	.3	.3	SNCL	1.6X	4	107	1
97	FEB	11	2238	4.40	19	25.07	155	16.95	0.69	20	4	.11	.3	.1	SNCL	1.8X	4	93	0
97	FEB	11	2240	2.68	19	25.07	155	16.50	0.80	15	4	.14	.3	.4	SNCL	1.3X	4	103	1
97	FEB	11	2240	6.97	19	24.79	155	16.32	4.07	13	4	.10	.6	.4	SNCL	1.6X	4	99	1
97	FEB	11	2244	9.26	19	24.76	155	16.68	1.27	14	4	.10	.3	.3	SNCL	.7X	3	104	1
97	FEB	11	2244	18.45	19	25.30	155	16.08	0.46	12	4	.09	.2	.7	SNCL	.8X	4	122	2
97	FEB	11	2244	26.24	19	24.82	155	15.73	2.79	13	4	.08	.4	.6	SNCL	1.5X	3	112	2
97	FEB	11	2244	50.85	19	24.91	155	16.02	0.34	13	4	.10	.2	.6	SNCL	1.4X	3	110	2
97	FEB	11	2245	13.44	19	25.23	155	16.44	2.02	15	4	.10	.4	.4	SNCL	1.9X	3	108	1
97	FEB	11	2252	36.21	19	24.52	155	16.82	1.53	15	4	.11	.4	.2	SSCL	1.2X	4	84	1
97	FEB	11	2255	28.87	19	25.17	155	16.98	2.48	13	4	.08	.6	.3	SNCL	1.3X	3	107	1
97	FEB	11	2255	54.81	19	24.96	155	16.81	2.75	12	4	.12	.7	.5	SNCL	1.0X	4	94	0
97	FEB	11	2306	54.79	19	24.86	155	15.59	0.74	12	4	.08	.3	.7	SNCL	.8X	2	117	2
97	FEB	11	2307	6.75	19	24.73	155	15.95	0.24	13	4	.09	.2	.5	SNCL	1.0X	3	103	2
97	FEB	11	2307	10.06	19	23.80	155	18.08	6.50	13	4	.07	1.1	.8	INTL	1.6X	3	203	2
97	FEB	11	2308	24.62	19	24.97	155	17.32	2.07	19	4	.13	.4	.2	SNCL	1.7X	3	83	1
97	FEB	11	2308	29.47	19	24.81	155	16.66	2.25	23	7	.10	.3	.2	SNCL	2.0X	4	93	1
97	FEB	11	2308	49.39	19	25.03	155	17.01	2.02	20	5	.11	.4	.2	SNCL	2.0X	3	91	0
97	FEB	11	2316	16.32	19	24.90	155	16.32	2.44	14	4	.11	.4	.4	SNCL	1.1X	2	102	1
97	FEB	11	2318	52.97	19	24.87	155	17.39	1.90	14	5	.07	.5	.2	SNCL	1.5X	4	149	1
97	FEB	11	2335	53.73	19	24.87	155	16.33	1.26	15	4	.11	.3	.4	SNCL	1.7X	4	101	1
97	FEB	11	2348	45.28	19	25.08	155	16.50	1.63	15	4	.08	.3	.3	SNCL	1.3X	4	103	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
97	FEB	11	2348	52.14	19	24.80	155	16.54	1.04	15	4	.09	.3	.3	SNCL	1.6X	3	95	1
97	FEB	11	2355	49.01	19	24.80	155	17.18	1.63	13	4	.07	.5	.2	SNCL	1.1X	4	139	0
97	FEB	11	2356	34.55	19	24.80	155	17.55	2.76	13	4	.05	.6	.2	SNCL	1.2X	4	157	1
97	FEB	11	2357	18.81	19	25.03	155	17.17	2.35	18	5	.12	.5	.2	SNCL	1.8X	4	88	0
97	FEB	12	3	51.03	19	24.00	155	17.26	4.11	11	4	.05	1.1	.8	SSCL	1.2X	4	195	1
97	FEB	12	6	21.93	19	25.07	155	16.94	2.09	18	5	.10	.4	.2	SNCL	1.6X	4	93	0
97	FEB	12	6	40.83	19	25.29	155	16.73	1.93	19	5	.09	.3	.2	SNCL	2.0X	4	102	1
97	FEB	12	7	20.97	19	24.68	155	16.66	1.44	14	4	.09	.4	.3	SNCL	1.6X	4	113	1
97	FEB	12	12	0.38	19	24.95	155	17.26	2.21	13	2	.10	.5	.3	SNCL	1.8X	4	84	0
97	FEB	12	12	19.08	19	24.65	155	15.95	0.96	8		.07	.2	.6	SNCL	1.8X	2	100	2
97	FEB	12	18	33.69	19	25.14	155	16.25	1.40	16	4	.11	.3	.4	SNCL	.9X	3	110	1
97	FEB	12	18	45.94	19	8.28	156	23.19	40.40	32	8	.10	1.4	2.3	DIS	2.2X	3	301	56
97	FEB	12	26	5.22	19	23.61	155	19.42	2.92	14	4	.09	.6	1.0	KAOL	1.7X	4	172	4
97	FEB	12	26	21.12	19	25.11	155	16.86	2.08	18	4	.10	.4	.2	SNCL	1.5X	4	97	0
97	FEB	12	33	35.34	19	25.11	155	16.60	1.37	15	4	.12	.4	.3	SNCL	.7X	3	102	1
97	FEB	12	37	15.06	19	24.71	155	17.24	2.27	14	4	.10	.5	.2	SNCL	1.1X	2	120	1
97	FEB	12	37	32.53	19	24.84	155	16.86	1.47	15	4	.10	.4	.2	SNCL	.7X	3	101	0
97	FEB	12	37	52.58	19	25.27	155	16.70	1.70	17	5	.08	.3	.2	SNCL	1.5X	4	102	1
97	FEB	12	45	1.72	19	24.76	155	17.12	2.28	18	5	.10	.4	.2	SNCL	1.6X	5	77	0
97	FEB	12	45	16.38	19	25.06	155	17.05	1.03	15	2	.10	.3	.2	SNCL	1.3X	3	91	0
97	FEB	12	102	46.65	19	24.87	155	16.69	1.91	12	3	.10	.4	.3	SNCL	1.3X	3	148	1
97	FEB	12	102	52.53	19	25.35	155	16.23	0.02	10	2	.13	.3	.8	SNCL#	1.6X	3	119	2
97	FEB	12	107	43.02	19	24.72	155	17.01	2.30	16	4	.09	.4	.2	SNCL	1.7X	3	85	0
97	FEB	12	115	27.05	19	24.70	155	16.58	1.34	17	4	.09	.3	.2	SNCL	1.1X	4	91	1
97	FEB	12	115	32.40	19	24.84	155	16.35	0.87	21	6	.11	.2	.3	SNCL	1.9X	5	100	1
97	FEB	12	115	41.95	19	25.37	155	15.16	7.04	14	4	.06	.8	1.0	INTL	2.3X	3	161	2
97	FEB	12	122	16.41	19	24.82	155	17.16	1.97	11	1	.10	.5	.3	SNCL	1.6X	2	78	0
97	FEB	12	122	38.08	19	24.94	155	16.80	2.15	12	2	.09	.5	.3	SNCL	1.7X	2	94	0
97	FEB	12	123	10.40	19	24.67	155	17.10	2.08	10	2	.18	.9	.4	SNCL	1.4X	3	154	0
97	FEB	12	232	28.03	19	24.62	155	17.41	2.35	15	4	.09	.5	.2	SNCL	1.0X	4	82	1
97	FEB	12	232	51.43	19	24.82	155	16.89	1.65	15	5	.10	.4	.2	SNCL	1.4X	4	90	0
97	FEB	12	255	5.67	19	25.33	155	17.04	0.50	9	1	.07	.4	.3	SNCL	1.5X	3	97	1
97	FEB	12	303	32.15	19	25.48	155	16.46	0.99	10	2	.14	.4	.8	SNCL	1.2X	2	116	1
97	FEB	12	303	56.77	19	24.64	155	17.64	3.01	9	1	.11	1.5	.5	SNCL	1.7X	1	210	1
97	FEB	12	307	40.11	19	24.76	155	17.10	2.02	15	4	.10	.5	.2	SNCL	.9X	4	77	0
97	FEB	12	307	53.06	19	24.86	155	16.31	1.02	17	5	.12	.2	.3	SNCL	1.6X	5	101	1
97	FEB	12	310	12.43	19	26.25	155	16.74	1.92	9	2	.09	.9	.6	SNCL	1.8X	3	258	2
97	FEB	12	310	51.86	19	25.19	155	16.32	0.17	14	4	.09	.2	.5	SNCL	1.4X	4	112	1
97	FEB	12	312	26.22	19	24.94	155	17.00	2.24	18	5	.10	.4	.2	SNCL	1.6X	4	89	0
97	FEB	12	312	46.47	19	24.88	155	16.57	1.48	13	4	.09	.4	.3	SNCL	1.0X	4	97	1
97	FEB	12	315	43.55	19	24.52	155	16.57	1.41	10	2	.07	.3	.3	SSCL	.9X	2	132	1
97	FEB	12	316	0.22	19	25.50	155	16.43	0.17	9	2	.10	.2	.8	SNCL	1.8X	2	117	1
97	FEB	12	325	2.58	19	25.00	155	16.40	0.83	10	2	.13	.3	.7	SNCL	1.5X	3	104	1
97	FEB	12	345	59.25	19	24.90	155	17.05	1.91	16	5	.08	.4	.2	SNCL	1.4X	4	132	0
97	FEB	12	349	3.02	19	24.64	155	17.18	1.85	10	2	.07	.4	.2	SNCL	1.6X	3	100	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
97	FEB	12	354	33.51	19	24.78	155	17.04	1.55	11	1	.07	.4	.2	SNCL	1.6X	3	78	0
97	FEB	12	408	18.26	19	24.76	155	16.30	1.82	13	4	.07	.3	.3	SNCL	1.1X	4	98	1
97	FEB	12	408	58.00	19	25.73	155	16.40	0.96	12	3	.04	.2	.6	SNCL	1.8X	3	125	2
97	FEB	12	409	33.45	19	24.88	155	17.06	1.65	10	1	.11	.4	.3	SNCL	1.8X	2	77	0
97	FEB	12	410	40.29	19	25.09	155	16.76	1.60	17	4	.10	.4	.2	SNCL	2.0X	3	99	1
97	FEB	12	412	52.27	19	24.58	155	16.96	1.80	17	4	.10	.4	.2	SNCL	1.5X	4	83	1
97	FEB	12	413	2.07	19	24.47	155	16.22	0.48	17	4	.12	.2	.4	SECL	1.8X	4	90	1
97	FEB	12	428	58.98	19	17.79	155	13.32	9.34	4612		.11	.4	.5	SF2	1.7X	7	169	9
97	FEB	12	437	23.02	19	25.47	155	16.43	0.79	10	1	.06	.3	.4	SNCL	1.6X	3	116	1
97	FEB	12	451	14.43	19	24.36	155	16.88	1.60	10	2	.06	.4	.3	SSCL	1.5X	2	94	1
97	FEB	12	459	40.05	19	24.28	155	15.77	1.17	17	5	.12	.3	.4	SECL	1.8X	4	127	2
97	FEB	12	528	9.88	19	25.52	155	15.98	1.79	19	6	.07	.2	.3	SNCL	2.3X	4	134	2
97	FEB	12	532	51.04	19	38.22	156	38.23	15.89	37	3	.14	5.4	14.8	DIS -	2.2X	4	318	77
97	FEB	12	616	5.83	19	25.55	155	16.14	0.36	24	9	.11	.2	.3	SNCL	1.8X	7	117	2
97	FEB	12	628	2.94	19	24.83	155	16.63	2.60	16	5	.09	.4	.3	SNCL	1.3X	4	94	1
97	FEB	12	636	40.44	19	25.09	155	16.82	1.71	16	5	.08	.4	.2	SNCL	1.1X	3	97	0
97	FEB	12	704	55.83	19	25.00	155	16.29	1.27	14	4	.08	.3	.4	SNCL	1.3X	3	106	1
97	FEB	12	719	48.64	19	25.09	155	16.72	3.08	20	6	.13	.4	.3	SNCL	2.1X	4	100	1
97	FEB	12	726	41.85	19	24.48	155	17.66	2.53	15	4	.09	.6	.3	SSCL	1.6X	4	86	1
97	FEB	12	732	26.03	19	24.09	155	16.67	2.08	16	5	.13	.5	.3	SSCL	2.1X	4	113	0
97	FEB	12	750	53.02	19	24.90	155	16.28	2.52	13	4	.06	.4	.3	SNCL	1.4X	3	103	1
97	FEB	12	818	48.25	19	23.46	155	15.44	3.92	11	4	.06	.6	.8	SECL	1.9X	3	227	2
97	FEB	12	841	57.53	19	24.56	155	17.24	1.96	12	4	.09	.6	.3	SNCL	1.2X	4	147	1
97	FEB	12	918	58.85	19	24.69	155	16.31	1.36	12	4	.08	.3	.5	SNCL	1.3X	3	96	1
97	FEB	12	1048	8.32	19	24.56	155	16.92	1.42	11	4	.11	.5	.3	SNCL	1.2X	3	142	1
97	FEB	12	1118	29.85	19	25.13	155	17.05	2.42	17	4	.10	.4	.2	SNCL	1.6X	4	93	0
97	FEB	12	1121	34.69	19	24.71	155	17.03	2.59	18	4	.13	.5	.2	SNCL	1.9X	4	83	0
97	FEB	12	1125	16.34	19	24.63	155	16.57	1.45	14	4	.11	.4	.3	SNCL	1.1X	3	89	1
97	FEB	12	1126	59.89	19	24.60	155	16.94	1.64	11	4	.06	.5	.3	SNCL	1.3X	3	168	1
97	FEB	12	1233	32.71	19	25.22	155	16.69	1.45	11	4	.09	.4	.4	SNCL	.6X	3	103	1
97	FEB	12	1240	1.92	19	24.78	155	16.94	3.05	12	4	.07	.6	.5	SNCL	1.2X	2	136	0
97	FEB	12	1316	43.75	19	24.49	155	17.51	1.89	15	4	.10	.5	.2	SSCL	1.7X	3	125	1
97	FEB	12	1334	5.18	19	24.51	155	16.88	2.14	14	5	.09	.4	.3	SSCL	1.6X	4	136	1
97	FEB	12	1409	19.65	19	24.15	155	17.04	1.94	12	4	.10	.6	.3	SSCL	1.5X	3	166	1
97	FEB	12	1425	19.91	19	24.51	155	17.02	1.41	8	2	.04	.5	.4	SSCL	.9X	3	153	1
97	FEB	12	1425	38.37	19	24.56	155	17.00	1.40	7	2	.06	.5	.3	SNCL	.9X	2	149	1
97	FEB	12	1425	57.84	19	25.51	155	17.24	1.97	7	2	.04	.7	.3	SNCL	1.2X	1	213	1
97	FEB	12	1538	14.18	19	24.91	155	17.24	2.35	15	4	.08	.5	.2	SNCL	1.5X	4	119	0
97	FEB	12	1646	53.31	19	25.28	155	16.15	1.54	21	5	.10	.2	.3	SNCL	2.0X	5	114	2
97	FEB	12	1728	33.19	19	24.50	155	17.10	1.75	10	2	.08	.5	.3	SSCL	1.1X	3	141	1
97	FEB	12	1729	4.31	19	25.05	155	17.08	2.25	13	2	.10	.5	.2	SNCL	1.6X	2	91	0
97	FEB	12	1731	23.30	19	24.79	155	16.87	1.75	9	2	.08	.5	.4	SNCL	1.5X	3	140	0
97	FEB	12	1755	2.18	19	24.33	155	16.69	1.79	9	2	.12	.7	.4	SSCL	1.3X	2	154	1
97	FEB	12	1823	32.70	19	24.26	155	16.73	1.37	10	2	.07	.4	.3	SSCL	1.2X	2	132	1
97	FEB	12	1826	42.42	19	24.40	155	16.99	1.82	19	5	.09	.3	.2	SSC	1.2X	4	78	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
97	FEB	12	1827	9.58	19	24.22	155	16.96	1.74	15	4	.08	.4	.3	SSCL	.9X	4	77	1
97	FEB	12	1838	23.10	19	24.32	155	16.94	1.68	11	2	.08	.4	.3	SSCL	1.5X	3	94	1
97	FEB	12	1839	15.20	19	24.32	155	16.95	1.51	10	1	.07	.4	.2	SSCL	1.1X	2	95	1
97	FEB	12	1839	17.92	19	24.78	155	16.94	2.16	13	2	.16	.5	.3	SNCL	1.7X	2	88	0
97	FEB	12	1849	36.27	19	24.82	155	15.85	2.09	19	5	.10	.3	.3	SNCL	1.4X	3	109	2
97	FEB	12	1904	24.79	19	25.15	155	17.15	3.24	11	2	.09	.8	.4	SNCL	1.4X	2	128	1
97	FEB	12	1904	44.25	19	24.36	155	16.68	1.41	8	2	.10	.6	.4	SSCL	1.5X	2	151	1
97	FEB	12	1912	1.13	19	24.99	155	16.52	1.12	14	4	.10	.3	.4	SNCL	.9X	4	101	1
97	FEB	12	1912	25.88	19	24.78	155	16.64	1.22	14	4	.09	.3	.3	SNCL	.9X	4	92	1
97	FEB	12	1920	30.81	19	24.59	155	16.98	2.30	8	1	.11	.6	.4	SNCL	1.1X	2	91	1
97	FEB	12	1926	19.75	19	24.86	155	17.17	2.11	12	1	.11	.5	.3	SNCL	1.6X	2	78	0
97	FEB	12	1926	27.83	19	25.48	155	17.19	1.20	10	1	.10	.6	.3	SNCL	1.8X	2	95	1
97	FEB	12	1927	5.75	19	25.09	155	16.68	1.83	13	2	.15	.5	.3	SNCL	1.9X	2	100	1
97	FEB	12	1927	33.56	19	24.79	155	17.28	2.17	13	4	.07	.5	.2	SNCL	1.5X	4	144	1
97	FEB	12	1936	29.76	19	25.43	155	16.06	1.29	22	5	.12	.2	.4	SNCL	1.9X	4	117	2
97	FEB	12	1943	38.03	19	25.03	155	16.61	1.87	20	5	.12	.3	.2	SNCL	2.0X	5	100	1
97	FEB	12	1943	51.66	19	24.62	155	15.95	2.75	14	4	.11	.3	.5	SNCL	2.0X	2	99	2
97	FEB	12	1944	22.54	19	25.04	155	16.31	1.52	17	4	.13	.3	.3	SNCL	1.6X	3	107	1
97	FEB	12	1946	54.52	19	24.96	155	17.00	1.90	19	5	.11	.4	.1	SNCL	1.7X	4	90	0
97	FEB	12	1950	57.13	19	24.81	155	16.26	0.59	12	4	.09	.2	.6	SNCL	.7X	4	100	1
97	FEB	12	1951	23.00	19	24.64	155	16.35	1.06	14	4	.09	.3	.4	SNCL	.9X	3	93	1
97	FEB	12	1952	14.02	19	24.68	155	17.55	1.99	16	4	.12	.5	.2	SNCL	1.5X	4	84	1
97	FEB	12	1952	35.76	19	25.34	155	16.29	1.87	16	4	.10	.3	.4	SNCL	1.6X	4	117	1
97	FEB	12	1954	9.29	19	24.41	155	16.82	1.84	15	4	.09	.4	.2	SSCL	.9X	4	81	1
97	FEB	12	2002	29.26	19	24.97	155	16.76	3.36	14	4	.10	.6	.3	SNCL	1.4X	4	96	0
97	FEB	12	2002	55.52	19	24.66	155	16.71	1.63	14	4	.07	.4	.2	SNCL	1.1X	4	118	1
97	FEB	12	2004	15.01	19	24.49	155	17.69	1.94	15	4	.07	.5	.2	SSCL	1.4X	4	171	1
97	FEB	12	2004	29.73	19	24.64	155	16.44	0.53	13	4	.11	.3	.4	SNCL	1.1X	2	95	1
97	FEB	12	2006	5.70	19	24.61	155	17.04	2.30	17	4	.11	.4	.2	SNCL	.8X	3	80	1
97	FEB	12	2006	12.83	19	25.13	155	16.72	2.30	21	5	.10	.4	.2	SNCL	1.7X	5	101	1
97	FEB	12	2006	52.56	19	25.11	155	16.93	2.01	19	4	.12	.4	.2	SNCL	1.7X	5	95	0
97	FEB	12	2008	53.58	19	24.90	155	17.10	1.98	18	4	.10	.4	.2	SNCL	1.7X	4	80	0
97	FEB	12	2031	19.20	19	25.01	155	16.57	1.93	23	6	.13	.4	.2	SNCL	1.7X	6	100	1
97	FEB	12	2032	12.53	19	25.46	155	15.94	1.55	13	4	.08	.3	.6	SNCL	1.5X	4	132	2
97	FEB	12	2035	6.68	19	24.82	155	16.98	2.11	18	4	.08	.4	.2	SNCL	1.4X	4	88	0
97	FEB	12	2035	14.29	19	25.50	155	15.59	0.36	20	4	.09	.2	.5	SNCL	1.9X	5	130	3
97	FEB	12	2040	1.45	19	24.97	155	16.02	1.12	8	3	.10	.4	1.0	SNCL	.9X	2	173	2
97	FEB	12	2040	12.09	19	24.61	155	16.16	0.11	7	2	.15	.3	1.4	SNCL#	.7X	1	147	2
97	FEB	12	2040	23.97	19	25.21	155	17.99	1.90	7	2	.02	1.0	.5	SNCL	1.0X	2	307	2
97	FEB	12	2115	13.97	19	25.03	155	16.58	0.92	15	4	.10	.3	.3	SNCL	.9X	3	100	1
97	FEB	12	2115	26.58	19	24.70	155	16.26	1.74	16	4	.11	.3	.4	SNCL	1.0X	4	97	1
97	FEB	12	2115	28.77	19	25.80	155	15.18	1.88	15	4	.12	.4	.7	SNCL	1.4X	3	144	3
97	FEB	12	2120	48.71	19	24.52	155	16.51	1.76	13	3	.10	.5	.3	SSCL	1.6X	3	87	1
97	FEB	12	2131	21.71	19	25.22	155	16.71	0.99	8	1	.09	.5	.6	SNCL	1.0X	3	103	1
97	FEB	12	2150	22.42	19	25.09	155	16.37	1.70	7	2	.06	.4	.7	SNCL	1.4X	3	177	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
97	FEB	12	2159	30.61	19	24.70	155	16.23	1.87	18	4	.12	.3	.3	SNCL	1.5X	4	97	1
97	FEB	12	2206	0.77	19	24.41	155	16.89	1.89	12	2	.10	.4	.3	SSCL	1.6X	2	90	1
97	FEB	12	2223	26.67	19	24.82	155	16.12	1.04	16	4	.13	.2	.4	SNCL	.9X	4	104	2
97	FEB	12	2223	35.93	19	25.01	155	16.73	2.10	21	5	.11	.4	.2	SNCL	1.8X	5	98	1
97	FEB	12	2228	39.81	19	24.77	155	16.69	0.50	11		.08	.3	.3	SNCL	2.1X	1	92	1
97	FEB	12	2229	25.30	19	23.70	155	17.63	5.58	12	2	.11	.8	1.0	INTL	2.8X	1	148	1
97	FEB	12	2230	27.36	19	25.49	155	16.50	1.62	13	4	.08	.3	.3	SNCL	1.8X	4	115	1
97	FEB	12	2235	26.78	19	24.98	155	16.95	1.97	11	1	.13	.6	.3	SNCL	1.4X	2	91	0
97	FEB	12	2235	31.76	19	24.31	155	17.42	3.93	8	1	.09	2.2	.9	SSCL	1.9X	2	199	1
97	FEB	12	2242	36.46	19	25.10	155	16.31	0.36	15	4	.10	.2	.5	SNCL	1.2X	4	109	1
97	FEB	12	2246	6.47	19	25.06	155	17.06	3.15	13	4	.06	.6	.3	SNCL	1.3X	4	128	0
97	FEB	12	2250	36.62	19	24.95	155	16.63	2.37	16	4	.07	.4	.2	SNCL	1.5X	4	97	1
97	FEB	12	2250	52.66	19	24.68	155	16.34	0.67	15	4	.08	.2	.4	SNCL	1.4X	4	94	1
97	FEB	12	2255	49.08	19	24.85	155	19.08	4.60	11	2	.06	1.3	.7	KAOL	2.1X	2	236	3
97	FEB	12	2255	58.93	19	24.15	155	17.14	1.97	14	3	.12	.4	.3	SSCL	2.0X	3	79	1
97	FEB	12	2256	23.91	19	23.82	155	17.01	0.18	10	2	.08	.3	.2	SSCL	1.5X	1	155	1
97	FEB	12	2303	6.62	19	25.04	155	16.22	1.83	24	7	.11	.2	.2	SNCL	1.9X	5	110	1
97	FEB	12	2309	17.65	19	25.09	155	16.33	1.49	10	2	.09	.3	.6	SNCL	1.4X	3	108	1
97	FEB	12	2313	18.45	19	24.68	155	16.76	2.01	13	4	.09	.5	.3	SNCL	.9X	4	120	1
97	FEB	12	2313	33.62	19	24.59	155	16.66	2.34	14	4	.09	.5	.3	SNCL	1.1X	4	116	1
97	FEB	12	2313	40.07	19	24.70	155	17.24	1.63	14	4	.10	.5	.2	SNCL	1.4X	4	130	1
97	FEB	12	2322	11.36	19	24.21	155	15.66	0.03	11	4	.15	.3	.6	SECL#	.9X	2	126	2
97	FEB	12	2322	24.56	19	24.33	155	18.54	3.04	11	3	.13	1.3	.7	SSCL	1.4X	2	260	3
97	FEB	12	2328	42.59	19	24.68	155	16.86	1.59	8	2	.08	.5	.4	SNCL	1.1X	1	132	0
97	FEB	12	2328	54.79	19	24.98	155	17.52	3.26	9	2	.09	1.1	.4	SNCL	1.4X	3	189	1
97	FEB	12	2333	6.50	19	24.27	155	16.93	1.69	12	3	.07	.3	.2	SSCL	1.5X	3	94	1
97	FEB	12	2338	31.45	19	24.34	155	15.84	3.04	7	2	.07	.7	1.3	SECL	.5X	1	152	2
97	FEB	13	11	17.96	19	24.73	155	19.15	3.57	9	3	.09	1.5	.7	KAOL	1.0X	2	275	3
97	FEB	13	18	52.83	19	24.37	155	17.21	1.84	14	4	.09	.5	.3	SSCL	1.4X	4	150	1
97	FEB	13	20	6.66	19	24.36	155	16.93	1.88	11	3	.11	.6	.3	SSCL	1.4X	3	148	1
97	FEB	13	24	11.54	19	24.95	155	16.81	2.06	13	2	.12	.4	.2	SNCL	1.6X	3	94	0
97	FEB	13	50	42.63	19	24.69	155	16.72	1.24	8	2	.08	.3	.4	SNCL	.9X	3	139	1
97	FEB	13	51	8.45	19	25.15	155	17.39	1.89	9	1	.11	.7	.4	SNCL	1.2X	2	142	1
97	FEB	13	53	34.96	19	24.78	155	16.71	1.45	10	3	.11	.4	.4	SNCL	.9X	2	105	1
97	FEB	13	53	50.05	19	25.45	155	16.79	2.35	9	1	.10	.6	.7	SNCL	1.4X	2	106	1
97	FEB	13	113	43.71	19	25.64	155	16.97	1.71	12	1	.08	.5	.2	SNCL	2.5X	1	171	1
97	FEB	13	114	18.64	19	25.42	155	16.61	2.21	11	2	.15	.5	.6	SNCL	2.3X	1	109	1
97	FEB	13	114	29.46	19	25.67	155	16.84	0.03	9	2	.23	.5	1.2	SNCL#	1.9X	1	222	1
97	FEB	13	119	4.19	19	25.67	155	16.76	1.20	11	1	.15	.4	.5	SNCL	1.3X	3	111	1
97	FEB	13	119	25.55	19	25.31	155	16.69	1.52	11	1	.13	.4	.4	SNCL	1.6X	2	105	1
97	FEB	13	120	1.44	19	24.24	155	16.39	4.04	8	1	.06	.6	1.5	SECL	1.8X	3	118	1
97	FEB	13	123	40.73	19	25.18	155	17.16	2.27	13	1	.11	.6	.3	SNCL	2.0X	3	91	1
97	FEB	13	133	5.38	19	24.33	155	16.99	1.62	10	2	.08	.6	.3	SSCL	1.3X	2	137	1
97	FEB	13	133	13.06	19	24.89	155	16.66	2.86	11	2	.10	.8	.5	SNCL	1.5X	3	95	1
97	FEB	13	140	11.52	19	24.66	155	16.29	1.78	11	3	.07	.5	.4	SNCL	1.4X	3	95	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
97	FEB	13	150	54.42	19	25.86	155	16.88	2.33	9	1	.08	.7	.4	SNCL	1.4X	2	111	2
97	FEB	13	153	16.19	19	24.83	155	16.93	2.05	13	2	.11	.5	.2	SNCL	1.6X	2	89	0
97	FEB	13	153	44.17	19	25.21	155	16.18	0.25	9	2	.06	.3	.8	SNCL	1.2X	2	141	2
97	FEB	13	154	44.04	19	25.42	155	17.16	2.32	12	2	.10	.5	.3	SNCL	1.8X	2	95	1
97	FEB	13	201	33.21	19	24.97	155	16.97	2.18	11	2	.11	.6	.3	SNCL	1.2X	3	102	0
97	FEB	13	201	58.15	19	25.17	155	16.92	1.82	10	2	.11	.6	.5	SNCL	1.9X	1	97	1
97	FEB	13	202	17.11	19	24.93	155	16.68	0.06	12	2	.20	.4	.5	SNCL#	1.5X	3	96	1
97	FEB	13	208	44.52	19	24.83	155	17.14	1.95	9	1	.08	.7	.3	SNCL	1.1X	3	151	0
97	FEB	13	211	19.72	19	25.26	155	16.95	1.94	13	2	.14	.6	.3	SNCL	1.4X	3	98	1
97	FEB	13	215	39.24	19	25.26	155	17.28	3.18	10	2	.21	1.6	.5	SNCL	.9X	3	155	1
97	FEB	13	218	14.69	19	24.35	155	16.79	1.51	10	1	.08	.4	.2	SSCL	1.1X	2	87	1
97	FEB	13	218	23.02	19	24.78	155	16.48	2.48	11	1	.14	.7	.4	SNCL	1.6X	2	95	1
97	FEB	13	221	59.03	19	24.57	155	16.38	0.24	10	2	.09	.2	.5	SNCL	.9X	2	95	1
97	FEB	13	222	24.02	19	24.32	155	16.93	2.00	9	1	.07	.6	.3	SSCL	1.5X	2	149	1
97	FEB	13	226	10.64	19	25.14	155	17.62	2.99	13	3	.14	.8	.3	SNCL	1.6X	2	83	0
97	FEB	13	232	28.13	19	24.85	155	16.96	1.96	10	2	.10	.8	.2	SNCL	1.4X	3	130	0
97	FEB	13	239	29.04	19	24.17	155	17.04	1.71	14	3	.13	.5	.3	SSCL	1.4X	2	78	1
97	FEB	13	240	4.79	19	24.53	155	16.72	1.91	8	1	.09	.6	.5	SSCL	1.6X	2	126	1
97	FEB	13	244	18.93	19	24.25	155	18.15	1.36	10	2	.11	.9	.5	SSCL	1.1X	2	251	2
97	FEB	13	245	30.24	19	24.83	155	16.89	2.15	11	2	.08	.5	.3	SNCL	1.3X	2	123	0
97	FEB	13	251	45.59	19	25.26	155	16.28	0.38	17	4	.09	.2	.5	SNCL	1.5X	3	111	1
97	FEB	13	251	48.27	19	24.77	155	16.80	1.92	19	5	.11	.4	.2	SNCL	1.6X	4	90	0
97	FEB	13	255	38.20	19	24.94	155	16.98	1.77	9	2	.10	.6	.4	SNCL	1.0X	2	146	0
97	FEB	13	303	47.00	19	24.52	155	15.99	1.54	9	2	.07	.4	.7	SECL	1.5X	2	144	2
97	FEB	13	309	47.79	19	24.35	155	16.52	1.50	11	4	.11	.3	.4	SSCL	1.3X	3	113	1
97	FEB	13	311	22.58	19	23.82	155	16.79	3.10	12	4	.10	.9	.5	SSCL	.8X	3	137	0
97	FEB	13	311	22.98	19	21.55	155	3.80	11.01	30	3	.10	.8	.5	SF5L	1.4X	3	161	8
97	FEB	13	317	39.08	19	24.58	155	16.55	0.85	8	1	.07	.3	.5	SNCL	1.1X	2	137	1
97	FEB	13	319	17.49	19	24.73	155	17.73	0.34	7	2	.13	.4	1.0	SNCL#	.9X	2	219	1
97	FEB	13	325	53.52	19	24.96	155	17.06	2.04	13	2	.09	.4	.2	SNCL	2.0X	2	89	0
97	FEB	13	329	53.14	19	25.12	155	16.38	1.45	16	4	.10	.3	.4	SNCL	1.2X	3	108	1
97	FEB	13	330	20.96	19	25.02	155	17.16	2.68	16	4	.08	.5	.2	SNCL	1.7X	3	116	0
97	FEB	13	336	2.66	19	25.06	155	16.75	1.88	17	3	.11	.4	.2	SNCL	1.4X	3	98	1
97	FEB	13	336	20.03	19	24.83	155	16.87	0.72	22	4	.12	.3	.1	SNCL	1.9X	4	90	0
97	FEB	13	337	52.23	19	24.95	155	17.04	2.20	20	6	.09	.4	.2	SNCL	1.9X	4	89	0
97	FEB	13	343	4.92	19	24.68	155	16.75	1.12	13	4	.08	.3	.2	SNCL	.9X	3	120	1
97	FEB	13	346	58.48	19	25.09	155	17.95	1.54	9	1	.06	.6	.4	SNCL	1.8X	3	140	2
97	FEB	13	350	19.59	19	25.86	155	16.36	1.86	10	3	.14	.6	1.2	SNCL	1.1X	2	129	2
97	FEB	13	353	22.25	19	24.89	155	17.02	1.95	9	2	.07	.5	.3	SNCL	.8X	2	136	0
97	FEB	13	353	26.51	19	25.25	155	17.17	1.77	11	1	.07	.4	.2	SNCL	1.6X	3	92	1
97	FEB	13	357	3.85	19	24.84	155	16.25	0.31	19	4	.11	.2	.4	SNCL	1.5X	4	102	1
97	FEB	13	405	36.51	19	25.67	155	16.33	1.01	8	3	.07	.4	1.2	SNCL	1.3X	2	125	2
97	FEB	13	422	59.35	19	24.40	155	16.76	2.15	16	4	.09	.4	.3	SSCL	1.3X	4	82	1
97	FEB	13	429	16.30	19	24.98	155	16.54	1.67	15	4	.13	.4	.3	SNCL	1.3X	3	100	1
97	FEB	13	442	54.39	19	24.52	155	16.80	1.53	18	4	.08	.3	.2	SSCL	1.2X	4	84	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
97	FEB	13	443	25.84	19	25.20	155	16.73	1.62	18	5	.11	.3	.2	SNCL	1.6X	4	101	1
97	FEB	13	450	6.95	19	24.81	155	17.26	1.81	9	3	.08	.6	.3	SNCL	.9X	2	165	0
97	FEB	13	451	11.44	19	25.21	155	16.84	1.69	10	2	.16	.6	.4	SNCL	1.3X	3	99	1
97	FEB	13	458	32.18	19	24.19	155	16.34	1.72	10	3	.12	.3	.5	SECL	.7X	2	116	1
97	FEB	13	459	25.44	19	25.25	155	17.25	3.14	12	4	.05	.9	.4	SNCL	1.3X	3	125	1
97	FEB	13	506	5.53	19	24.92	155	16.86	1.59	11	1	.09	.4	.3	SNCL	1.2X	3	92	0
97	FEB	13	506	28.55	19	24.72	155	16.71	1.56	10	2	.08	.4	.4	SNCL	1.0X	2	114	1
97	FEB	13	506	47.59	19	24.79	155	16.68	1.14	8	2	.09	.3	.5	SNCL	.9X	3	146	1
97	FEB	13	521	43.02	19	24.93	155	16.84	1.91	18	4	.12	.4	.2	SNCL	1.5X	4	92	0
97	FEB	13	526	33.83	19	25.09	155	16.23	2.39	15	4	.10	.3	.4	SNCL	1.5X	2	110	1
97	FEB	13	526	36.13	19	25.05	155	16.66	0.55	16	4	.11	.3	.3	SNCL	1.5X	3	99	1
97	FEB	13	527	16.86	19	24.24	155	17.44	1.79	15	4	.09	.5	.3	SSCL	1.4X	4	127	1
97	FEB	13	540	55.27	19	24.38	155	16.87	1.76	8	2	.15	.6	.6	SSCL	1.0X	3	143	1
97	FEB	13	541	19.68	19	24.34	155	16.83	1.64	10	3	.07	.5	.4	SSCL	.9X	2	139	1
97	FEB	13	541	34.60	19	24.36	155	16.36	0.42	8	2	.10	.2	.7	SECL	.9X	2	128	1
97	FEB	13	552	8.67	19	24.00	155	16.60	1.74	8	2	.06	.5	.3	SSCL	1.1X	2	118	0
97	FEB	13	553	47.02	19	24.70	155	15.75	1.65	8	3	.18	.6	1.4	SNCL	.8X	1	158	2
97	FEB	13	554	27.30	19	25.35	155	15.70	2.51	9	3	.12	.7	1.3	SNCL	1.0X	2	205	2
97	FEB	13	601	10.14	19	24.98	155	16.47	0.80	7	1	.04	.3	.6	SNCL	1.2X	3	166	1
97	FEB	13	627	25.51	19	25.18	155	16.88	2.15	14	3	.12	.5	.3	SNCL	1.8X	3	97	1
97	FEB	13	635	49.11	19	26.14	155	16.03	0.24	8	2	.08	.6	1.0	SNCL	1.7X	2	248	3
97	FEB	13	639	35.83	19	24.33	155	17.24	1.89	6	1	.04	.7	.4	SSCL	.7X	2	180	1
97	FEB	13	641	40.08	19	24.44	155	17.12	1.79	10	1	.10	.6	.3	SSCL	1.7X	1	78	1
97	FEB	13	645	57.83	19	24.39	155	18.60	2.60	8	2	.10	1.2	.6	SSCL	.6X	1	281	3
97	FEB	13	655	1.40	19	24.86	155	17.30	1.82	10	1	.09	.5	.2	SNCL	1.7X	3	80	1
97	FEB	13	655	22.37	19	24.36	155	16.76	1.66	12	3	.13	.5	.3	SSCL	1.6X	2	81	1
97	FEB	13	718	48.08	19	24.59	155	17.19	1.70	8	1	.05	.6	.3	SNCL	.9X	3	167	1
97	FEB	13	723	9.37	19	25.30	155	16.81	1.50	10		.13	.4	.3	SNCL	1.6X	3	102	1
97	FEB	13	730	38.79	19	25.02	155	16.45	2.19	11	2	.07	.4	.3	SNCL	1.4X	2	103	1
97	FEB	13	742	16.78	19	24.38	155	16.65	1.34	9	3	.08	.4	.4	SSCL	1.0X	2	123	1
97	FEB	13	746	48.06	19	25.66	155	17.52	2.88	12	2	.06	.6	.3	SNCL	1.6X	3	87	0
97	FEB	13	753	33.41	19	24.78	155	16.25	1.36	11	1	.11	.3	.4	SNCL	1.6X	3	100	1
97	FEB	13	804	52.03	19	24.66	155	16.94	1.53	12	2	.09	.4	.3	SNCL	1.6X	3	124	0
97	FEB	13	809	34.74	19	24.40	155	16.65	1.29	10	2	.06	.3	.3	SSCL	1.0X	2	124	1
97	FEB	13	809	37.57	19	24.13	155	18.08	2.57	10	2	.10	.7	.3	SSCL	1.8X	2	147	2
97	FEB	13	811	30.23	19	24.31	155	16.67	1.94	10	2	.15	.7	.5	SSCL	.9X	2	108	1
97	FEB	13	812	12.73	19	24.44	155	17.49	2.40	8	2	.12	1.1	.7	SSCL	.6X	1	202	1
97	FEB	13	816	36.11	19	24.45	155	16.12	0.07	8	2	.12	.3	1.1	SECL#	.4X	1	138	1
97	FEB	13	824	50.96	19	24.77	155	17.59	2.22	11	1	.12	.6	.4	SNCL	1.5X	3	137	1
97	FEB	13	825	3.89	19	24.66	155	16.48	0.41	8	1	.11	.3	.5	SNCL	1.1X	3	144	1
97	FEB	13	856	15.77	19	24.20	155	17.02	2.03	9	2	.12	.7	.3	SSCL	.9X	2	162	1
97	FEB	13	918	51.38	19	24.50	155	17.15	1.92	10	2	.08	.7	.3	SSCL	1.0X	3	166	1
97	FEB	13	919	0.33	19	24.18	155	16.75	1.49	9	2	.08	.5	.4	SSCL	1.2X	3	134	1
97	FEB	13	945	29.75	19	24.92	155	16.62	1.13	13	1	.14	.4	.3	SNCL	1.5X	2	97	1
97	FEB	13	952	25.75	19	24.14	155	16.75	1.51	12	2	.11	.3	.2	SSCL	1.5X	3	93	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
97	FEB	13	952	38.90	19	24.71	155	16.31	2.13	12	2	.12	.3	.5	SNCL	1.5X	2	96	1
97	FEB	13	954	19.81	19	24.94	155	15.74	0.01	8	1	.09	.3	.7	SNCL#	1.2X	2	176	2
97	FEB	13	958	31.78	19	25.17	155	16.56	0.91	12	1	.12	.3	.4	SNCL	1.5X	3	105	1
97	FEB	13	1006	31.83	19	24.80	155	16.71	1.97	12	2	.13	.5	.3	SNCL	1.4X	3	101	1
97	FEB	13	1012	15.05	19	24.01	155	16.63	1.94	12	3	.08	.3	.2	SSCL	1.6X	3	93	0
97	FEB	13	1025	57.99	19	24.48	155	16.70	1.77	8		.10	.6	.4	SSCL	1.5X	3	126	1
97	FEB	13	1038	41.59	19	24.85	155	17.00	2.03	10	1	.09	.6	.3	SNCL	1.5X	2	132	0
97	FEB	13	1039	1.90	19	24.60	155	17.00	1.42	10	2	.10	.5	.3	SNCL	1.3X	3	148	1
97	FEB	13	1039	8.19	19	24.56	155	17.36	2.43	10	2	.14	1.1	.3	SNCL	1.7X	2	184	1
97	FEB	13	1054	33.37	19	24.19	155	17.58	1.68	8	2	.10	.9	.6	SSCL	.6X	2	217	2
97	FEB	13	1104	27.09	19	24.32	155	16.48	0.75	8	2	.12	.3	.6	SECL	.8X	2	119	1
97	FEB	13	1109	20.91	19	24.65	155	16.14	3.42	8	2	.09	.7	1.5	SNCL	1.0X	2	150	2
97	FEB	13	1109	23.99	19	23.62	155	17.66	0.10	9	2	.10	.6	.5	SSCL	1.6X	3	235	1
97	FEB	13	1124	20.16	19	24.92	155	17.40	2.36	6	1	.05	1.0	.4	SNCL	.9X	3	175	1
97	FEB	13	1134	1.36	19	24.50	155	16.96	1.87	9	2	.08	.6	.4	SSCL	1.1X	3	147	1
97	FEB	13	1134	26.99	19	24.64	155	17.30	2.03	9		.07	.6	.3	SNCL	1.4X	2	149	1
97	FEB	13	1159	17.29	19	25.12	155	16.36	1.56	9	2	.22	.7	1.0	SNCL	1.0X	3	160	1
97	FEB	13	1159	37.92	19	24.37	155	17.02	1.80	8	1	.05	.7	.4	SSCL	.8X	2	157	1
97	FEB	13	1210	41.35	19	25.13	155	16.54	1.75	13	3	.15	.4	.3	SNCL	1.9X	2	104	1
97	FEB	13	1210	49.76	19	25.50	155	16.45	0.10	9	2	.05	.2	.6	SNCL	1.7X	2	117	1
97	FEB	13	1218	7.01	19	24.79	155	16.81	1.55	12	2	.12	.5	.2	SNCL	1.7X	3	114	0
97	FEB	13	1219	20.90	19	24.86	155	17.01	2.22	13	1	.11	.4	.2	SNCL	2.0X	2	83	0
97	FEB	13	1224	44.59	19	24.39	155	17.73	1.84	10	3	.13	.9	.5	SSCL	1.0X	3	223	2
97	FEB	13	1230	0.88	19	24.98	155	16.19	0.38	7	2	.10	.4	.8	SNCL	.9X	3	171	1
97	FEB	13	1311	52.63	19	24.26	155	16.76	1.44	10	2	.09	.4	.3	SSCL	1.5X	2	135	1
97	FEB	13	1319	21.68	19	24.28	155	16.72	1.19	8	2	.03	.3	.3	SSCL	1.2X	1	131	1
97	FEB	13	1319	38.74	19	24.81	155	16.51	0.66	6	1	.07	.3	.6	SNCL	1.4X	2	153	1
97	FEB	13	1346	29.47	19	25.96	155	16.24	1.64	12	3	.17	.6	.9	SNCL	1.9X	3	193	2
97	FEB	13	1400	11.57	19	25.19	155	17.14	1.53	7	1	.04	.5	.3	SNCL	1.5X	2	154	1
97	FEB	13	1406	48.72	19	24.56	155	16.79	1.56	13	3	.10	.4	.2	SNCL	1.3X	3	123	1
97	FEB	13	1406	59.82	19	24.90	155	16.64	1.52	11	1	.09	.3	.2	SNCL	1.9X	2	95	1
97	FEB	13	1548	30.70	19	24.33	155	16.36	2.15	8	2	.08	.7	.5	SECL	1.3X	2	125	1
97	FEB	13	1548	51.21	19	24.25	155	17.04	2.11	9	2	.06	.7	.3	SSCL	1.5X	2	163	1
97	FEB	13	1555	39.34	19	24.69	155	16.85	1.51	10	3	.07	.4	.3	SNCL	.6X	2	131	0
97	FEB	13	1555	49.39	19	24.36	155	16.83	1.85	8	1	.06	.5	.4	SSCL	1.1X	2	139	1
97	FEB	13	1555	54.63	19	24.94	155	16.58	1.75	10	2	.08	.5	.3	SNCL	1.8X	2	152	1
97	FEB	13	1556	16.01	19	24.32	155	16.11	0.35	8	2	.07	.3	.6	SECL	1.5X	3	130	1
97	FEB	13	1556	18.29	19	25.51	155	20.10	1.74	8	1	.08	1.5	1.3	KAOL#	1.9X	2	325	4
97	FEB	13	1606	8.89	19	24.69	155	16.37	0.50	13	4	.11	.2	.5	SNCL	1.4X	3	95	1
97	FEB	13	1606	13.96	19	24.82	155	16.56	0.35	15	4	.11	.3	.3	SNCL	1.5X	3	95	1
97	FEB	13	1632	0.79	19	24.35	155	17.18	1.24	13	4	.09	.4	.3	SSCL	1.4X	1	147	1
97	FEB	13	1639	8.92	19	25.33	155	16.47	0.92	16	4	.09	.2	.4	SNCL	1.5X	4	107	1
97	FEB	13	1724	2.54	19	19.93	155	9.86	7.89	32	4	.10	.5	.6	SF3	1.3X	5	113	4
97	FEB	13	1730	27.09	19	25.23	155	16.06	2.05	10	4	.05	.5	.7	SNCL	.4X	4	191	2
97	FEB	13	1730	35.41	19	24.28	155	14.70	7.58	10	3	.06	1.1	1.8	INTL	1.2X	3	171	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
97	FEB	13	1731	1.74	19	23.81	155	17.69	1.61	11	4	.09	.5	.4	SSCL	1.0X	3	195	2
97	FEB	13	1731	21.24	19	24.60	155	16.73	1.21	13	4	.11	.4	.3	SNCL	.9X	3	119	1
97	FEB	13	1748	46.57	19	24.72	155	17.24	2.09	26	9	.13	.4	.1	SNCL	1.7X	5	41	1
97	FEB	13	1750	11.69	19	19.79	155	10.04	7.89	26	3	.08	.5	.8	SF3	1.2X	4	108	4
97	FEB	13	1755	43.53	19	25.33	155	16.91	3.02	12	4	.13	1.0	.5	SNCL	1.1X	3	121	1
97	FEB	13	1802	16.43	19	25.44	155	16.56	1.97	24	7	.11	.3	.3	SNCL	1.9X	6	106	1
97	FEB	13	1809	25.81	19	24.67	155	16.74	1.42	7	1	.09	.7	.5	SNCL	.4X	1	136	1
97	FEB	13	1809	29.95	19	25.12	155	17.52	2.24	9	2	.06	.9	.3	SNCL	1.2X	1	183	1
97	FEB	13	1819	36.39	19	24.78	155	16.83	1.85	15	4	.08	.4	.2	SNCL	1.1X	3	90	0
97	FEB	13	1819	52.86	19	24.94	155	16.71	1.81	23	7	.11	.3	.1	SNCL	1.7X	5	96	1
97	FEB	13	1829	52.87	19	25.43	155	16.86	1.41	8	1	.08	.5	.5	SNCL	.9X	3	199	1
97	FEB	13	1829	59.03	19	24.69	155	16.75	1.53	8	2	.06	.4	.5	SNCL	1.2X	3	138	1
97	FEB	13	1836	2.22	19	24.73	155	17.06	1.62	12	2	.09	.4	.3	SNCL	1.1X	3	77	0
97	FEB	13	1836	7.17	19	24.73	155	17.01	2.46	12	2	.13	.5	.3	SNCL	2.0X	2	86	0
97	FEB	13	1844	9.42	19	24.94	155	17.13	1.96	11	1	.10	.5	.2	SNCL	1.6X	3	125	0
97	FEB	13	1924	26.66	19	25.17	155	16.91	2.39	26	9	.11	.3	.2	SNCL	1.7X	6	97	1
97	FEB	13	1939	32.05	19	24.93	155	16.85	1.80	18	4	.11	.4	.2	SNCL	1.3X	4	93	0
97	FEB	13	1947	8.19	19	24.75	155	16.42	0.03	15	4	.11	.2	.4	SNCL#	1.3X	2	96	1
97	FEB	13	1947	10.60	19	25.14	155	16.39	2.48	20	5	.11	.3	.3	SNCL	1.8X	4	108	1
97	FEB	13	1954	6.78	19	24.72	155	16.61	1.83	17	4	.11	.4	.2	SNCL	1.4X	4	92	1
97	FEB	13	2034	55.24	19	24.72	155	16.90	1.90	16	4	.11	.4	.2	SNCL	1.0X	3	88	0
97	FEB	13	2035	10.96	19	24.79	155	16.71	1.10	17	4	.08	.3	.2	SNCL	1.0X	4	92	1
97	FEB	13	2036	51.99	19	24.38	155	17.19	2.01	16	4	.11	.5	.3	SSCL	1.4X	4	131	1
97	FEB	13	2037	6.09	19	24.75	155	16.65	1.61	17	4	.10	.3	.2	SNCL	1.4X	4	98	1
97	FEB	13	2037	23.89	19	24.56	155	16.69	0.96	14	4	.12	.3	.3	SNCL	1.7X	2	117	1
97	FEB	13	2046	23.03	19	25.16	155	16.48	1.38	15	5	.10	.3	.3	SNCL	1.4X	4	107	1
97	FEB	13	2050	54.31	19	24.71	155	16.40	1.84	16	4	.10	.3	.3	SNCL	1.4X	3	94	1
97	FEB	13	2050	56.95	19	24.50	155	16.84	2.24	16	4	.07	.4	.2	SSCL	1.6X	3	83	1
97	FEB	13	2109	16.77	19	25.30	155	16.74	1.56	15	4	.07	.4	.3	SNCL	1.3X	4	102	1
97	FEB	13	2115	48.51	19	24.85	155	17.49	2.84	13	4	.08	.7	.3	SNCL	1.2X	4	153	1
97	FEB	13	2115	59.71	19	24.89	155	16.24	0.21	13	4	.10	.2	.6	SNCL	1.1X	3	104	1
97	FEB	13	2126	36.78	19	24.81	155	16.51	1.57	19	4	.12	.3	.3	SNCL	1.6X	4	96	1
97	FEB	13	2128	22.32	19	25.23	155	16.48	0.91	15	4	.11	.3	.4	SNCL	1.0X	4	106	1
97	FEB	13	2152	58.93	19	24.88	155	16.81	1.63	14	4	.12	.5	.3	SNCL	1.2X	4	92	0
97	FEB	13	2201	6.69	19	24.90	155	16.81	1.90	18	4	.09	.4	.2	SNCL	1.1X	4	93	0
97	FEB	13	2201	20.70	19	24.19	155	16.59	0.86	13	4	.11	.3	.3	SSCL	1.0X	4	109	1
97	FEB	13	2248	19.41	19	8.23	156	22.67	35.18	4511		.11	1.1	1.8	DIS	2.3X	6	300	55
97	FEB	13	2248	55.59	19	25.23	155	16.54	0.46	15	4	.08	.2	.4	SNCL	.8X	3	106	1
97	FEB	13	2315	18.14	19	24.48	155	16.81	1.77	26	9	.10	.3	.2	SSCL	1.9X	7	83	1
97	FEB	13	2324	10.49	19	25.24	155	16.45	1.65	16	4	.08	.3	.3	SNCL	1.5X	3	109	1
97	FEB	13	2339	36.79	19	24.90	155	16.23	0.28	12	4	.10	.2	.6	SNCL	.6X	2	105	1
97	FEB	13	2353	42.65	19	25.43	155	16.65	2.11	16	4	.10	.4	.3	SNCL	1.4X	3	108	1
97	FEB	14	0	32.71	19	24.74	155	16.78	1.65	13	4	.11	.4	.2	SNCL	1.3X	4	90	0
97	FEB	14	1	25.58	19	25.11	155	17.10	1.78	19	4	.13	.4	.2	SNCL	1.9X	4	91	0
97	FEB	14	8	51.87	19	24.19	155	15.55	4.07	12	4	.08	.6	.9	SECL	1.3X	2	125	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
97	FEB	14	21	6.69	19	24.84	155	16.39	2.01	17	4	.08	.3	.2	SNCL	1.6X	4	99	1
97	FEB	14	31	35.40	19	24.38	155	16.66	1.69	17	4	.08	.3	.2	SSCL	1.6X	4	82	1
97	FEB	14	38	47.70	19	24.64	155	16.55	2.43	12	4	.09	.4	.5	SNCL	.7X	3	105	1
97	FEB	14	38	52.79	19	23.99	155	16.75	3.09	16	4	.12	.5	.4	SSCL	1.4X	3	75	0
97	FEB	14	41	28.43	19	24.40	155	17.06	1.88	17	4	.08	.4	.2	SSCL	1.6X	4	128	1
97	FEB	14	41	38.99	19	25.42	155	16.18	0.02	18	4	.18	.3	.6	SNCL#	1.8X	3	115	2
97	FEB	14	42	30.80	19	24.74	155	16.67	1.45	24	8	.09	.3	.1	SNCL	2.0X	6	91	1
97	FEB	14	43	13.51	19	25.02	155	16.21	1.90	15	4	.09	.3	.3	SNCL	1.8X	3	109	1
97	FEB	14	48	3.74	19	24.84	155	16.95	2.18	16	4	.12	.4	.2	SNCL	1.6X	4	89	0
97	FEB	14	49	55.07	19	24.77	155	16.42	1.33	20	5	.14	.3	.3	SNCL	1.6X	4	96	1
97	FEB	14	54	43.20	19	24.78	155	17.12	2.15	12	4	.12	.7	.2	SNCL	1.2X	1	151	0
97	FEB	14	56	48.49	19	24.91	155	16.54	1.67	12	4	.10	.4	.4	SNCL	.9X	3	98	1
97	FEB	14	59	12.41	19	24.62	155	15.93	1.85	16	4	.12	.3	.4	SNCL	1.6X	2	99	2
97	FEB	14	59	15.79	19	25.77	155	15.76	1.66	18	4	.09	.3	.5	SNCL	1.8X	3	130	3
97	FEB	14	59	31.93	19	25.09	155	15.96	0.13	16	4	.11	.2	.5	SNCL	1.6X	3	116	2
97	FEB	14	59	47.90	19	24.58	155	16.57	1.51	15	4	.09	.3	.3	SNCL	1.5X	4	88	1
97	FEB	14	102	24.40	19	24.80	155	17.02	2.19	20	5	.10	.4	.2	SNCL	1.6X	4	82	0
97	FEB	14	106	26.62	19	24.68	155	16.07	2.71	11	4	.05	.4	.6	SNCL	1.1X	3	145	2
97	FEB	14	117	17.28	19	24.70	155	16.14	0.32	16	4	.08	.2	.4	SNCL	1.2X	4	99	2
97	FEB	14	132	59.83	19	24.60	155	16.45	0.86	16	4	.10	.2	.3	SNCL	.8X	3	90	1
97	FEB	14	133	22.94	19	25.24	155	16.73	1.84	19	4	.09	.3	.2	SNCL	1.3X	4	101	1
97	FEB	14	141	14.41	19	24.68	155	15.96	2.09	13	4	.09	.4	.5	SNCL	1.2X	4	101	2
97	FEB	14	141	34.29	19	24.96	155	16.96	2.16	15	4	.09	.5	.3	SNCL	1.2X	4	91	0
97	FEB	14	155	38.53	19	24.60	155	16.98	1.51	17	4	.09	.4	.2	SNCL	1.4X	4	91	1
97	FEB	14	156	1.01	19	24.65	155	16.96	2.03	18	4	.11	.4	.2	SNCL	1.6X	4	85	0
97	FEB	14	158	19.38	19	25.04	155	16.60	1.52	18	4	.11	.3	.2	SNCL	1.6X	4	100	1
97	FEB	14	200	40.79	19	25.33	155	16.44	1.54	22	7	.09	.3	.2	SNCL	2.1X	5	108	1
97	FEB	14	202	27.67	19	24.98	155	16.89	2.46	17	4	.13	.5	.2	SNCL	1.6X	4	93	0
97	FEB	14	204	17.05	19	25.12	155	16.79	1.38	23	8	.14	.3	.1	SNCL	2.0X	6	98	1
97	FEB	14	204	42.14	19	25.25	155	16.57	1.36	17	4	.12	.3	.4	SNCL	2.1X	2	104	1
97	FEB	14	206	36.52	19	25.17	155	16.67	1.26	20	5	.09	.3	.2	SNCL	1.6X	4	102	1
97	FEB	14	206	40.03	19	24.16	155	16.58	1.09	17	4	.10	.3	.2	SSCL	2.0X	3	83	0
97	FEB	14	213	27.83	19	24.28	155	19.29	5.45	12	4	.06	1.6	.8	KAOL	1.4X	3	275	4
97	FEB	14	216	6.68	19	25.41	155	16.54	1.14	16	4	.09	.3	.3	SNCL	1.0X	4	112	1
97	FEB	14	216	15.13	19	24.72	155	16.76	1.67	19	4	.11	.3	.2	SNCL	1.7X	4	89	1
97	FEB	14	216	24.96	19	25.09	155	16.95	3.18	18	4	.07	.4	.2	SNCL	1.9X	4	94	0
97	FEB	14	217	8.38	19	24.72	155	16.41	1.51	18	4	.13	.3	.3	SNCL	1.8X	4	95	1
97	FEB	14	237	13.68	19	24.37	155	17.08	1.43	27	9	.11	.3	.2	SSCL	1.6X	6	76	1
97	FEB	14	237	34.80	19	24.62	155	16.81	1.62	17	4	.11	.4	.2	SNCL	1.6X	4	86	1
97	FEB	14	243	22.02	19	24.50	155	17.11	2.05	13	4	.09	.6	.3	SSCL	.9X	3	142	1
97	FEB	14	243	26.24	19	26.35	155	15.23	2.11	20	7	.12	.4	.6	SNCL	1.6X	6	156	3
97	FEB	14	243	40.32	19	25.31	155	17.05	1.96	15	4	.09	.4	.2	SNCL	1.6X	3	96	1
97	FEB	14	250	35.81	19	24.59	155	16.55	1.02	16	4	.11	.3	.2	SNCL	1.3X	4	89	1
97	FEB	14	258	28.01	19	25.18	155	16.90	1.74	15	4	.12	.4	.2	SNCL	1.4X	4	97	1
97	FEB	14	301	46.86	19	24.79	155	16.86	1.89	15	4	.10	.4	.2	SNCL	1.4X	4	89	0

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
97	FEB	14	308	15.00	19	25.10	155	17.11	1.39	15	4	.08	.4	.2	SNCL	1.4X	4	90	0
97	FEB	14	308	36.56	19	24.61	155	15.69	1.78	10	2	.07	.3	.5	SNCL	1.1X	3	102	2
97	FEB	14	308	44.32	19	25.24	155	16.64	0.82	18	5	.12	.3	.3	SNCL	1.7X	4	104	1
97	FEB	14	317	3.58	19	24.99	155	16.46	0.75	14	4	.10	.3	.4	SNCL	1.4X	4	102	1
97	FEB	14	323	41.11	19	24.55	155	17.11	1.57	14	4	.09	.5	.2	SNCL	1.1X	4	78	1
97	FEB	14	329	34.67	19	24.88	155	16.84	2.15	12	4	.13	.6	.3	SNCL	1.3X	3	95	0
97	FEB	14	335	1.30	19	24.93	155	16.55	0.85	16	4	.10	.3	.3	SNCL	1.3X	4	98	1
97	FEB	14	335	16.58	19	24.99	155	16.40	2.35	14	4	.06	.3	.4	SNCL	1.4X	3	104	1
97	FEB	14	341	32.69	19	25.35	155	16.98	2.49	15	4	.09	.5	.2	SNCL	1.1X	4	98	1
97	FEB	14	342	6.06	19	25.14	155	16.98	2.26	18	4	.11	.4	.2	SNCL	1.6X	5	94	0
97	FEB	14	347	24.17	19	24.94	155	16.73	1.59	13	4	.11	.5	.3	SNCL	1.2X	4	95	0
97	FEB	14	348	59.46	19	25.04	155	17.31	2.27	19	5	.12	.4	.2	SNCL	1.8X	5	85	1
97	FEB	14	355	54.16	19	25.13	155	16.53	1.38	12	4	.11	.4	.5	SNCL	.8X	2	105	1
97	FEB	14	355	58.82	19	25.20	155	16.25	0.03	14	4	.10	.2	.5	SNCL	1.3X	3	114	1
97	FEB	14	417	5.14	19	24.74	155	16.61	1.69	19	4	.13	.4	.2	SNCL	1.6X	5	92	1
97	FEB	14	423	35.15	19	25.23	155	16.21	0.64	14	4	.10	.2	.6	SNCL	1.3X	3	112	2
97	FEB	14	424	24.87	19	25.05	155	16.83	1.88	15	4	.11	.4	.2	SNCL	1.1X	4	95	0
97	FEB	14	437	55.61	19	24.95	155	16.81	1.88	14	4	.08	.4	.2	SNCL	1.3X	3	94	0
97	FEB	14	438	20.64	19	25.00	155	16.17	1.32	14	4	.09	.2	.4	SNCL	1.0X	4	109	1
97	FEB	14	443	52.26	19	25.07	155	17.28	2.21	15	4	.09	.5	.2	SNCL	1.4X	4	86	1
97	FEB	14	445	5.79	19	24.48	155	17.39	4.21	14	4	.10	.8	.5	SSCL			82	1
97	FEB	14	446	8.37	19	25.00	155	16.69	1.75	16	4	.11	.4	.3	SNCL	1.2X	3	98	1
97	FEB	14	446	35.71	19	25.03	155	16.76	1.08	16	4	.10	.3	.2	SNCL	1.1X	4	97	0
97	FEB	14	446	43.87	19	25.09	155	16.52	1.23	18	4	.12	.3	.3	SNCL	1.8X	4	104	1
97	FEB	14	506	36.57	19	24.76	155	17.08	1.94	11	3	.05	.5	.2	SNCL	1.1X	3	149	0
97	FEB	14	507	16.69	19	24.99	155	16.51	1.43	13	4	.09	.4	.4	SNCL	1.2X	3	101	1
97	FEB	14	604	15.46	19	24.65	155	17.23	2.27	22	8	.11	.4	.2	SNCL	1.7X	5	74	1
97	FEB	14	604	47.09	19	24.71	155	17.23	2.29	17	4	.09	.4	.2	SNCL	1.5X	4	80	1
97	FEB	14	607	32.94	19	24.78	155	17.42	2.60	13	4	.08	.6	.2	SNCL	1.4X	3	152	1
97	FEB	14	611	43.12	19	25.08	155	16.34	1.76	14	4	.10	.3	.4	SNCL	1.2X	4	107	1
97	FEB	14	730	31.72	19	25.75	155	16.78	2.14	14	4	.11	.4	.3	SNCL	1.5X	4	112	2
97	FEB	14	745	33.72	19	24.60	155	17.27	2.12	17	5	.10	.4	.2	SNCL	1.4X	3	80	1
97	FEB	14	749	22.78	19	24.74	155	17.17	2.05	14	4	.09	.5	.2	SNCL	1.3X	4	141	0
97	FEB	14	749	47.00	19	25.13	155	16.73	1.63	18	5	.09	.3	.2	SNCL	1.5X	4	100	1
97	FEB	14	750	15.43	19	24.63	155	17.14	2.27	16	4	.07	.4	.2	SNCL	1.5X	4	120	1
97	FEB	14	757	4.20	19	24.91	155	16.79	1.34	15	4	.11	.4	.2	SNCL	.8X	4	93	0
97	FEB	14	757	8.27	19	25.06	155	16.24	0.85	15	4	.10	.2	.4	SNCL	1.2X	3	109	1
97	FEB	14	757	28.86	19	25.25	155	16.53	1.86	13	4	.09	.4	.4	SNCL	1.0X	4	108	1
97	FEB	14	803	32.84	19	25.00	155	16.77	2.14	19	4	.12	.4	.2	SNCL	1.6X	4	96	0
97	FEB	14	823	8.86	19	24.45	155	17.26	1.10	12	4	.12	.6	.3	SSCL#	.9X	3	178	1
97	FEB	14	823	41.33	19	24.52	155	17.28	2.05	13	4	.07	.6	.3	SSCL	1.1X	3	150	1
97	FEB	14	834	42.12	19	24.98	155	16.71	2.71	16	4	.10	.5	.2	SNCL	1.5X	4	97	1
97	FEB	14	901	18.69	19	25.10	155	16.80	1.68	11	2	.07	.4	.2	SNCL	1.2X	4	98	1
97	FEB	14	901	39.83	19	24.90	155	16.69	1.66	13	4	.08	.4	.3	SNCL	1.1X	4	95	1
97	FEB	14	914	41.40	19	25.33	155	16.56	1.12	19	5	.10	.2	.3	SNCL	1.6X	5	109	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
97	FEB	14	916	21.82	19	25.00	155	16.49	1.11	22	6	.09	.2	.2	SNCL	1.6X	6	101	1
97	FEB	14	921	17.73	19	25.17	155	16.26	0.64	18	4	.13	.2	.5	SNCL	1.2X	3	110	1
97	FEB	14	921	25.59	19	25.49	155	16.21	1.36	18	4	.10	.2	.4	SNCL	1.7X	4	116	2
97	FEB	14	923	52.93	19	25.43	155	16.70	2.05	19	4	.09	.3	.2	SNCL	1.7X	4	103	1
97	FEB	14	930	33.10	19	25.25	155	17.56	3.07	10	3	.04	1.0	.5	SNCL	.7X	3	183	0
97	FEB	14	953	30.75	19	25.03	155	16.88	2.25	18	4	.11	.4	.2	SNCL	1.8X	3	95	0
97	FEB	14	1000	6.25	19	24.85	155	17.17	2.03	18	4	.11	.4	.2	SNCL	1.3X	4	78	0
97	FEB	14	1032	56.28	19	18.62	155	12.87	9.41	30	5	.08	.5	.9	SF2L	1.3X	5	143	7
97	FEB	14	1033	21.20	19	25.10	155	16.58	1.50	13	4	.10	.4	.3	SNCL	1.2X	3	103	1
97	FEB	14	1041	36.52	19	24.52	155	17.07	1.69	22	6	.14	.4	.2	SSCL	1.8X	6	77	1
97	FEB	14	1044	15.43	19	24.87	155	16.88	1.81	19	4	.11	.4	.2	SNCL	1.4X	4	91	0
97	FEB	14	1044	24.59	19	25.00	155	15.76	1.62	18	4	.11	.2	.4	SNCL	1.8X	4	120	2
97	FEB	14	1054	12.01	19	24.62	155	16.15	0.84	11	4	.05	.2	.5	SNCL	.9X	3	147	2
97	FEB	14	1056	18.53	19	24.70	155	16.20	1.48	10	4	.09	.3	.6	SNCL	1.2X	3	152	1
97	FEB	14	1100	0.19	19	24.98	155	16.88	1.97	11	3	.09	.5	.3	SNCL	.7X	4	94	0
97	FEB	14	1137	25.68	19	24.97	155	16.73	2.10	16	4	.10	.4	.2	SNCL	1.7X	4	96	0
97	FEB	14	1152	31.19	19	24.94	155	16.93	2.59	14	4	.10	.5	.3	SNCL	.7X	3	91	0
97	FEB	14	1152	50.89	19	19.08	155	8.84	7.32	23	2	.08	.6	.9	SF4L	1.3X	3	108	4
97	FEB	14	1153	40.11	19	24.63	155	16.75	3.59	11	4	.05	.6	.8	SNCL	1.0X	4	128	1
97	FEB	14	1244	10.58	19	24.78	155	16.77	1.62	15	4	.12	.4	.2	SNCL	1.8X	4	91	0
97	FEB	14	1244	48.23	19	24.95	155	16.57	1.78	20	4	.10	.3	.2	SNCL	1.8X	3	99	1
97	FEB	14	1244	57.42	19	24.88	155	16.37	1.29	16	4	.12	.3	.3	SNCL	1.9X	3	100	1
97	FEB	14	1310	38.96	19	25.47	155	15.71	0.84	12	4	.06	.3	.8	SNCL	1.1X	3	142	2
97	FEB	14	1438	49.55	19	24.61	155	17.02	1.68	11	4	.09	.5	.3	SNCL	1.1X	2	150	1
97	FEB	14	1608	24.55	19	24.60	155	16.89	1.50	18	4	.10	.4	.2	SNCL	1.4X	4	85	1
97	FEB	14	1631	37.09	19	24.57	155	16.52	0.74	12	4	.10	.3	.4	SNCL	1.1X	4	107	1
97	FEB	14	1631	51.08	19	25.11	155	16.74	2.03	22	7	.12	.4	.2	SNCL	1.9X	5	99	1
97	FEB	14	1643	47.79	19	25.06	155	17.14	1.62	17	4	.12	.4	.2	SNCL	1.1X	3	89	0
97	FEB	14	1643	57.22	19	24.68	155	16.59	1.66	15	4	.09	.4	.2	SNCL	1.5X	4	91	1
97	FEB	14	1727	35.86	19	24.90	155	16.70	2.86	13	4	.08	.5	.2	SNCL	1.6X	4	95	1
97	FEB	14	1727	57.97	19	25.05	155	16.38	1.49	12	4	.10	.4	.5	SNCL	1.2X	4	105	1
97	FEB	14	1808	19.66	19	24.79	155	16.79	1.62	12	4	.08	.4	.3	SNCL	.9X	4	143	0
97	FEB	14	1902	23.97	19	24.37	155	17.74	0.88	18	5	.10	.3	.4	SSCL	1.4X	4	78	2
97	FEB	14	1909	28.44	19	24.83	155	16.70	2.03	13	4	.08	.5	.3	SNCL	1.0X	4	96	1
97	FEB	14	1913	35.96	19	24.55	155	15.99	0.54	12	4	.08	.3	.6	SNCL	1.3X	3	136	2
97	FEB	14	1928	31.07	19	24.82	155	17.17	2.25	17	4	.11	.4	.2	SNCL	1.5X	4	78	0
97	FEB	14	1929	45.35	19	24.51	155	16.16	0.89	18	4	.12	.2	.4	SECL	1.6X	4	92	1
97	FEB	14	1946	33.99	19	25.29	155	16.38	1.27	13	4	.06	.2	.4	SNCL	1.3X	3	113	1
97	FEB	14	2107	48.96	19	25.08	155	16.19	1.40	12	4	.08	.3	.6	SNCL	1.0X	4	111	1
97	FEB	14	2118	56.21	19	22.08	155	4.51	8.50	28	3	.09	.7	.6	SF5	1.4X	4	155	6
97	FEB	14	2125	36.65	19	24.71	155	17.14	1.86	12	4	.07	.5	.3	SNCL	.9X	3	157	0
97	FEB	14	2132	14.67	19	25.17	155	16.37	1.09	18	4	.10	.2	.3	SNCL	1.7X	4	108	1
97	FEB	14	2142	26.74	19	24.70	155	16.87	1.90	12	4	.09	.4	.2	SNCL	1.2X	4	126	0
97	FEB	14	2225	20.09	19	24.45	155	16.37	2.52	12	4	.04	.4	.5	SECL	1.3X	4	100	1
97	FEB	14	2307	48.87	19	24.49	155	17.10	3.49	13	4	.09	.9	.3	SSCL	1.4X	3	141	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
97	FEB	14	2333	25.29	19	24.89	155	16.68	1.60	15	4	.12	.4	.2	SNCL	1.3X	4	95	1
97	FEB	14	2344	52.03	19	24.77	155	16.91	2.81	14	4	.09	.6	.3	SNCL	1.4X	4	127	0
97	FEB	14	2345	27.26	19	25.47	155	16.52	1.25	13	4	.08	.3	.5	SNCL	1.3X	4	113	1
97	FEB	15	1	41.63	19	24.81	155	16.84	1.96	19	5	.11	.4	.2	SNCL	1.6X	4	108	0
97	FEB	15	6	37.12	19	25.39	155	16.50	1.51	13	4	.10	.4	.5	SNCL	1.2X	4	112	1
97	FEB	15	10	27.50	19	24.94	155	16.94	2.42	13	4	.10	.5	.2	SNCL	1.6X	4	91	0
97	FEB	15	17	49.60	19	24.44	155	16.55	0.88	12	4	.06	.3	.3	SSCL	.9X	3	114	1
97	FEB	15	107	50.14	19	24.73	155	17.12	0.52	16	4	.09	.3	.2	SNCL	1.2X	3	78	0
97	FEB	15	110	22.69	19	24.44	155	16.72	0.70	11	4	.07	.3	.3	SSCL	1.2X	4	127	1
97	FEB	15	126	8.88	19	25.10	155	17.06	2.23	14	4	.09	.6	.3	SNCL	1.3X	4	125	0
97	FEB	15	132	54.26	19	25.54	155	16.18	0.14	17	4	.10	.2	.5	SNCL	1.5X	3	117	2
97	FEB	15	148	38.55	19	24.84	155	16.55	1.15	12	4	.12	.4	.4	SNCL	1.0X	4	96	1
97	FEB	15	149	30.22	19	24.85	155	16.89	2.26	12	4	.11	.6	.4	SNCL	1.0X	3	112	0
97	FEB	15	157	21.01	19	24.65	155	16.27	0.76	15	5	.10	.2	.3	SNCL	1.5X	5	147	1
97	FEB	15	222	7.30	19	24.98	155	16.06	0.07	17	4	.12	.2	.5	SNCL	1.7X	4	111	2
97	FEB	15	227	25.37	19	24.63	155	16.49	0.61	11	4	.12	.3	.5	SNCL	.8X	1	101	1
97	FEB	15	247	51.13	19	25.04	155	17.02	2.20	13	4	.08	.6	.3	SNCL	1.1X	4	127	0
97	FEB	15	250	8.47	19	25.16	155	16.55	1.23	11	4	.08	.3	.5	SNCL	1.1X	4	104	1
97	FEB	15	258	4.35	19	25.17	155	16.83	1.70	13	4	.09	.4	.3	SNCL	1.0X	4	98	1
97	FEB	15	349	36.07	19	21.53	155	17.95	30.17	33	4	.12	1.0	1.2	DEP	1.5X	5	78	4
97	FEB	15	447	23.70	19	24.88	155	16.71	1.24	13	4	.10	.4	.3	SNCL	1.1X	3	95	1
97	FEB	15	549	10.91	19	24.90	155	17.00	1.96	12	4	.11	.5	.3	SNCL	1.1X	3	131	0
97	FEB	15	549	31.49	19	25.20	155	16.56	1.54	14	4	.11	.4	.3	SNCL	1.4X	4	105	1
97	FEB	15	554	49.46	19	25.31	155	16.85	1.99	17	4	.13	.4	.2	SNCL	1.5X	4	101	1
97	FEB	15	619	33.17	19	25.05	155	17.04	0.50	11	4	.10	.4	.2	SNCL	.9X	4	154	0
97	FEB	15	638	31.49	19	25.28	155	16.04	0.96	16	4	.12	.3	.5	SNCL	1.5X	3	116	2
97	FEB	15	716	27.11	19	24.97	155	16.67	1.63	14	4	.12	.4	.2	SNCL	1.3X	4	97	1
97	FEB	15	742	43.99	19	25.28	155	16.69	0.74	11	4	.11	.3	.5	SNCL	.8X	3	186	1
97	FEB	15	818	19.48	19	24.77	155	16.74	2.04	12	4	.11	.6	.4	SNCL	1.8X	4	110	1
97	FEB	15	825	22.57	19	24.74	155	16.27	0.40	15	4	.10	.2	.4	SNCL	1.5X	3	98	1
97	FEB	15	836	17.87	19	25.48	155	15.86	0.87	11	4	.06	.5	.7	SNCL	1.1X	3	210	2
97	FEB	15	914	46.90	19	24.52	155	16.78	0.88	18	4	.09	.3	.2	SSCL	1.3X	3	84	1
97	FEB	15	914	50.69	19	24.80	155	17.09	2.15	19	4	.12	.4	.2	SNCL	1.9X	3	77	0
97	FEB	15	922	8.56	19	24.96	155	16.41	1.76	12	4	.08	.3	.5	SNCL	.9X	4	102	1
97	FEB	15	1003	43.15	19	25.23	155	16.39	0.32	17	4	.12	.2	.5	SNCL	1.5X	4	111	1
97	FEB	15	1047	37.20	19	19.66	155	7.10	9.83	37	8	.11	.6	.6	SF4	2.0X	6	145	5
97	FEB	15	1053	29.72	19	25.30	155	16.93	2.05	25	9	.12	.3	.2	SNC	1.8X	7	97	1
97	FEB	15	1257	15.96	19	25.62	155	16.45	1.42	19	6	.10	.3	.4	SNCL	1.8X	4	110	2
97	FEB	15	1315	14.35	19	19.76	155	8.63	8.96	23	3	.08	.6	.9	SF4	1.4X	4	104	5
97	FEB	15	1331	25.69	19	24.72	155	17.12	1.93	12	4	.05	.5	.2	SNCL	1.3X	4	155	0
97	FEB	15	1346	57.05	19	25.18	155	16.37	1.72	13	4	.10	.4	.5	SNCL	1.3X	4	110	1
97	FEB	15	1708	3.75	19	24.45	155	17.38	2.15	14	5	.09	.6	.3	SSCL	1.7X	3	125	1
97	FEB	15	1753	54.26	19	24.64	155	16.97	1.95	12	4	.07	.5	.3	SNCL	1.4X	3	132	0
97	FEB	15	1804	48.12	19	24.83	155	16.47	2.18	15	5	.14	.5	.3	SNCL	1.7X	4	149	1
97	FEB	15	1918	41.44	19	24.42	155	17.35	2.46	11	4	.09	.8	.4	SSCL	1.3X	3	188	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
97	FEB	15	1924	49.04	19	24.87	155	17.16	1.86	16	4	.09	.4	.2	SNCL	1.4X	3	78	0
97	FEB	15	1935	40.29	19	25.06	155	16.43	1.64	18	5	.11	.3	.3	SNCL	1.7X	4	104	1
97	FEB	15	1947	21.66	19	24.94	155	16.75	2.02	2910		.13	.3	.2	SNCL	1.9X	5	95	0
97	FEB	15	2201	50.32	19	24.95	155	16.98	2.45	12	4	.11	.8	.4	SNCL	1.3X	3	109	0
97	FEB	16	32	35.02	19	24.40	155	17.43	2.30	18	5	.10	.5	.2	SSCL	2.0X	4	82	1
97	FEB	16	55	41.24	19	24.72	155	16.99	2.06	15	4	.12	.5	.2	SNCL	1.7X	3	85	0
97	FEB	16	114	28.82	19	24.86	155	17.02	2.11	13	4	.09	.5	.2	SNCL	1.5X	3	132	0
97	FEB	16	120	35.80	19	24.87	155	16.99	2.17	17	5	.11	.4	.2	SNCL	1.7X	4	89	0
97	FEB	16	208	3.40	19	25.09	155	16.89	2.74	13	5	.08	.6	.3	SNCL	1.8X	4	154	0
97	FEB	16	215	25.28	19	18.42	155	14.64	9.37	25	3	.09	.9	.6	SF1	1.4X	3	193	6
97	FEB	16	255	23.14	19	21.33	155	4.47	9.24	4514		.10	.7	.4	SF5	2.3X	8	190	7
97	FEB	16	302	1.98	19	24.81	155	17.05	1.90	13	4	.11	.5	.2	SNCL	.8X	4	133	0
97	FEB	16	302	8.37	19	24.78	155	16.33	1.89	13	4	.10	.3	.4	SNCL	.9X	3	99	1
97	FEB	16	338	48.04	19	24.96	155	16.14	1.12	11	4	.06	.3	.6	SNCL	.9X	4	109	2
97	FEB	16	347	18.67	19	24.99	155	17.08	2.31	14	4	.10	.5	.2	SNCL	1.6X	3	89	0
97	FEB	16	357	20.19	19	24.80	155	17.14	1.82	12	4	.08	.6	.2	SNCL	1.4X	3	153	0
97	FEB	16	511	29.90	19	25.04	155	16.54	0.57	14	4	.09	.3	.4	SNCL	1.5X	3	101	1
97	FEB	16	517	48.14	19	24.61	155	16.64	1.74	13	4	.09	.4	.3	SNCL	1.1X	3	88	1
97	FEB	16	518	46.21	19	25.01	155	16.40	1.61	12	4	.06	.3	.4	SNCL	1.0X	3	104	1
97	FEB	16	608	2.28	19	25.23	155	15.88	2.26	13	4	.11	.3	.6	SNCL	1.5X	4	126	2
97	FEB	16	620	24.34	19	24.30	155	16.20	2.21	11	4	.09	.4	.6	SECL	1.0X	3	94	1
97	FEB	16	652	18.63	19	25.00	155	16.94	2.49	14	4	.06	.5	.2	SNCL	1.9X	4	92	0
97	FEB	16	729	3.19	19	17.14	155	31.16	0.04	33	5	.13	.6	.3	LSW #	1.5X	5	155	11
97	FEB	16	836	16.37	19	24.68	155	16.24	0.00	11	4	.10	.2	.6	SNCL#	.8X	4	150	1
97	FEB	16	858	8.96	19	21.21	155	4.43	8.89	30	7	.07	.8	.6	SF5	1.5X	5	203	7
97	FEB	16	905	1.14	19	25.12	155	16.59	2.08	16	4	.09	.4	.2	SNCL	1.7X	4	102	1
97	FEB	16	1142	28.08	19	25.19	155	16.79	1.76	12	4	.11	.5	.4	SNCL	.9X	3	100	1
97	FEB	16	1300	7.25	19	25.03	155	16.85	2.18	15	5	.11	.4	.2	SNCL	1.6X	3	95	0
97	FEB	17	149	1.60	19	25.23	155	16.00	1.50	11	4	.08	.4	.7	SNCL	1.2X	3	122	2
97	FEB	17	554	22.19	19	24.01	155	29.60	11.14	41	7	.10	.3	.7	KAO	1.5X	6	51	4
97	FEB	17	1421	35.24	19	8.51	156	23.76	35.62	43	8	.14	1.4	2.2	DIS	2.8X	10	302	57
97	FEB	17	1658	15.64	19	20.05	155	11.42	9.04	38	8	.12	.6	.4	SF3	1.5X	5	178	5
97	FEB	17	1859	47.31	19	20.81	155	5.94	8.56	34	7	.09	.7	.5	SF4	1.6X	6	193	5
97	FEB	18	29	46.66	19	32.98	156	18.74	32.73	43	7	.11	1.2	1.9	KON	2.5X	8	268	42
97	FEB	18	1421	5.82	19	20.00	155	8.00	8.90	39	9	.10	.6	.4	SF4	1.8X	8	191	5
97	FEB	18	1433	5.12	19	19.66	155	7.77	7.68	37	9	.08	.5	.6	SF4	1.9X	7	204	6
97	FEB	18	1656	29.52	19	20.82	155	8.07	9.51	4311		.09	.6	.4	SF4	2.0X	8	183	4
97	FEB	18	2252	56.23	19	24.70	155	1.35	8.30	17	3	.10	2.7	1.4	SF5	1.3X	3	172	5
97	FEB	20	147	9.18	19	18.61	155	13.48	9.31	4111		.10	.4	.5	SF2	1.6X	8	182	7
97	FEB	20	725	33.61	19	17.96	155	27.68	9.71	28	1	.11	.5	1.0	LSW	1.1X	3	116	8
97	FEB	20	926	28.19	19	25.66	155	24.08	10.96	4211		.10	.3	.5	KAO	2.1X	6	48	7
97	FEB	20	1732	51.93	19	25.14	155	38.26	1.59	25	2	.15	.3	.5	MLO	1.5X	3	102	2
97	FEB	21	138	17.54	19	24.62	155	16.89	1.97	24	8	.10	.3	.2	SNCL	1.8X	6	85	1
97	FEB	21	240	46.03	19	51.81	155	42.78	9.14	41	9	.14	.4	.6	KEA	1.7X	7	132	24
97	FEB	21	357	40.19	19	31.60	155	54.64	10.48	41	8	.15	.6	.3	KON	2.1X	8	180	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
97	FEB	21	1656	12.63	19	51.43	155	22.75	28.24	37	7	.10	.7	.9	KEA	2.0X	8	100	5
97	FEB	21	1941	19.45	19	34.82	156	24.98	34.72	27	2	.11	1.8	2.9	DIS	1.8X	4	278	53
97	FEB	22	242	14.45	19	21.13	155	4.46	9.08	36	9	.09	.7	.4	SF5	1.8X	6	204	7
97	FEB	22	530	40.66	19	11.03	155	39.79	8.26	30		.14	.5	1.0	LSW	1.6X	6	104	9
97	FEB	22	840	44.49	19	21.78	155	9.95	3.30	25	7	.12	.7	.4	SER	1.7X	6	169	1
97	FEB	23	357	7.22	19	22.01	155	12.66	4.23	33	7	.11	.4	.3	SER	1.9X	5	147	1
97	FEB	23	358	8.51	19	20.88	155	12.72	2.39	21	7	.11	.4	.5	SER	2.0X	5	173	3
97	FEB	23	1504	59.57	19	20.57	155	7.72	9.41	28	5	.09	1.0	.5	SF4	1.7X	4	188	5
97	FEB	24	112	53.14	19	28.91	154	54.61	1.71	19	2	.10	2.2	.3	SLEF	1.1X	4	250	2
97	FEB	26	535	26.60	19	27.85	155	25.68	8.71	37	8	.11	.4	1.0	KAO	1.7X	7	41	6
97	FEB	27	317	29.67	19	18.36	155	13.49	8.55	31	6	.11	.5	.7	SF2	2.0X	4	185	8
97	FEB	28	1500	49.68	19	25.69	155	19.29	6.98	39	8	.12	.4	.6	KAO	2.2X	4	51	3
97	MAR	1	100	52.59	19	26.67	155	20.17	7.17	39	7	.12	.4	.7	KAO	1.7X	5	71	2
97	MAR	1	230	55.19	19	24.70	155	36.91	2.26	28	4	.13	.3	.4	MLO	1.4X	4	57	2
97	MAR	1	233	0.86	19	19.95	155	7.92	8.07	35	6	.10	.9	.6	SF4	1.9X	3	195	5
97	MAR	1	530	41.45	19	19.12	155	13.53	9.63	4916		.12	.4	.4	SF2	2.3X	9	166	6
97	MAR	1	854	39.86	19	25.32	155	16.02	11.39	28	5	.09	.7	.4	INT	2.2X	4	152	2
97	MAR	1	1407	39.58	19	20.33	155	8.23	8.87	4010		.11	.6	.4	SF4	2.1X	7	188	4
97	MAR	2	320	29.25	19	20.03	155	0.94	5.66	24		.13	2.2	1.5	SF5	1.8X	4	221	10
97	MAR	4	416	38.88	19	3.39	155	24.50	44.57	4612		.09	.8	1.2	LOI	1.9X	8	206	20
97	MAR	4	1901	0.90	19	20.96	155	26.11	10.21	5417		.12	.3	.6	KAO	2.0X	10	76	4
97	MAR	4	2058	27.21	19	20.82	155	6.54	8.07	4111		.11	.7	.5	SF4	1.5X	7	190	5
97	MAR	4	2102	29.64	19	20.68	155	6.67	8.03	34	6	.10	.8	.5	SF4	1.6X	5	198	5
97	MAR	4	2321	29.75	19	18.56	155	17.42	36.18	5721		.10	.6	.6	DEP	2.5X	9	159	2
97	MAR	5	551	3.76	19	32.56	155	54.31	9.64	38	8	.18	.8	.4	KON	2.1X	7	190	6
97	MAR	5	2320	29.90	19	21.57	155	26.31	11.87	32	4	.10	.5	.8	KAO	1.5X	3	74	3
97	MAR	6	544	35.29	19	19.45	155	6.81	7.72	31	6	.10	.9	.8	SF4	1.7X	4	209	7
97	MAR	6	756	29.73	19	21.96	155	13.27	3.16	14	4	.06	.6	.3	SER	2.0X	3	144	1
97	MAR	6	2222	26.46	19	21.74	155	12.74	3.12	25	9	.10	.4	.3	SER	2.0X	5	153	2
97	MAR	7	520	38.24	19	30.64	155	48.85	0.59	29	2	.11	.5	.8	KON	2.2X	5	95	11
97	MAR	7	1741	55.23	19	12.06	155	41.83	8.10	32	2	.14	.5	1.1	LSW	1.7X	5	90	9
97	MAR	7	1915	23.16	19	13.00	155	3.62	48.06	42	9	.12	1.0	1.0	DEP	2.0X	6	220	20
97	MAR	9	1427	23.34	19	17.72	155	26.92	10.76	30	2	.12	.5	.9	LSW	1.5X	3	105	8
97	MAR	9	1759	13.90	19	20.46	155	8.26	9.76	39	9	.10	.7	.4	SF4	1.6X	7	186	4
97	MAR	10	54	18.53	19	21.33	155	18.39	13.69	4511		.11	.4	.3	DEP	1.5X	9	58	3
97	MAR	10	211	19.96	19	21.78	155	12.80	2.76	37	9	.12	.4	.2	SER	2.1X	4	152	2
97	MAR	11	300	29.44	19	25.02	155	14.37	3.69	32	8	.11	.3	.4	SNC	2.1X	4	113	1
97	MAR	11	1441	30.03	19	20.01	155	30.64	10.64	35	5	.11	.4	.9	KAO	1.2X	4	99	7
97	MAR	11	2126	54.07	19	22.31	155	2.09	8.74	38	8	.12	.9	.5	SF5	1.8X	7	199	8
97	MAR	12	323	6.09	19	21.03	155	8.85	3.27	20	4	.12	.9	.6	SSF	1.5X	5	186	3
97	MAR	12	447	2.06	19	20.86	155	9.42	3.38	26	7	.13	.7	.5	SSF	1.6X	7	178	2
97	MAR	12	930	8.31	19	23.24	155	14.89	3.60	20	5	.11	.4	.5	SEC	1.6X	4	105	2
97	MAR	12	932	12.11	19	5.68	155	20.69	38.43	5317		.09	.6	1.1	LOI	2.5X	10	203	17
97	MAR	12	1255	12.40	19	19.99	155	9.06	7.91	29	6	.08	.6	.7	SF4	1.4X	5	187	4
97	MAR	12	1331	38.47	19	24.07	155	14.24	42.78	17	3	.15	2.4	1.5	DEP	1.9X	1	264	13

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
97	MAR	12	1511	8.23	19	24.87	155	16.40	1.98	24	5	.10	.3	.2	SNC	2.1X	3	100	1
97	MAR	12	1816	32.65	19	21.71	155	12.90	3.04	17	5	.06	.5	.4	SER	1.2X	3	154	2
97	MAR	13	137	31.89	19	23.39	155	14.76	4.13	20	7	.10	.4	.5	SEC	1.7X	5	100	3
97	MAR	13	404	48.60	19	22.97	155	14.84	3.52	18	7	.08	.4	.4	SEC	1.5X	4	115	2
97	MAR	13	955	20.71	18	56.72	155	31.99	42.74	4816		.09	.8	1.0	DLSF	3.3X	6	239	14
97	MAR	13	1014	34.28	19	20.60	155	12.42	9.52	3710		.10	.5	.4	SF2	1.8X	6	171	4
97	MAR	14	259	33.21	19	0.61	155	29.97	40.81	5120		.10	.7	1.0	DLS	2.5X	10	210	18
97	MAR	14	640	14.78	19	20.76	155	11.02	9.21	30	5	.11	.6	.7	SF3	1.6X	5	174	3
97	MAR	14	1901	40.76	19	16.27	155	27.47	10.42	29	1	.09	.5	1.0	LSW	1.2X	3	95	7
97	MAR	14	2049	17.43	19	22.50	155	14.11	3.87	20	7	.09	.4	.4	SEC	1.5X	5	128	2
97	MAR	14	2125	52.95	19	21.32	155	49.29	11.69	35	4	.12	.8	.3	KON	1.6X	5	150	11
97	MAR	15	117	28.16	19	25.18	155	15.41	11.86	19	7	.13	1.1	.9	INTL	1.7X	5	139	2
97	MAR	15	119	35.94	19	23.62	155	17.04	3.28	23	7	.13	.4	.3	SSC	1.4X	6	69	0
97	MAR	15	236	48.03	19	16.00	155	22.46	6.87	35	2	.13	.5	1.1	SWR	1.5X	5	155	4
97	MAR	15	656	0.79	19	17.07	155	30.57	3.53	26		.11	.5	11.1	LSW -	1.4X	4	129	11
97	MAR	15	657	41.89	19	17.83	155	13.16	7.68	25	4	.09	.6	1.2	SF2	1.4X	5	191	9
97	MAR	15	702	2.96	19	20.90	155	9.57	3.54	32	7	.13	.7	.4	SER	1.7X	6	185	2
97	MAR	15	1005	0.87	19	22.56	155	13.20	3.96	36	6	.13	.4	.4	SER	2.2X	6	131	0
97	MAR	15	1350	29.16	19	23.53	155	14.94	4.15	23	7	.11	.4	.6	SEC	1.9X	4	96	2
97	MAR	15	1350	45.19	19	23.68	155	14.91	3.57	19	6	.09	.4	.5	SEC	2.0X	5	91	2
97	MAR	15	1354	9.13	19	23.48	155	14.82	3.85	33	8	.11	.3	.4	SEC	2.2X	5	97	2
97	MAR	15	1422	32.20	19	22.19	155	12.74	3.49	4010		.11	.4	.3	SER	2.4X	7	141	1
97	MAR	15	2121	12.60	19	21.09	155	13.02	9.09	40	9	.12	.4	.4	SF2	1.6X	6	165	3
97	MAR	15	2235	8.43	19	10.94	155	16.77	45.54	4712		.12	.8	.7	DEPL	1.8X	8	217	13
97	MAR	16	229	1.36	19	17.84	155	18.25	32.63	4511		.11	.7	.7	DEPF	1.8X	8	170	1
97	MAR	16	419	1.18	19	22.59	155	4.89	10.21	42	8	.11	.8	.4	SF5F	3.6X	1	169	5
97	MAR	16	535	27.76	19	24.66	155	17.43	11.13	19	6	.12	.8	.9	INTL	1.8X	6	81	1
97	MAR	16	952	49.23	19	24.11	155	17.39	6.73	14	4	.09	.7	.6	INTL	1.5X	4	125	2
97	MAR	16	1429	26.78	19	26.73	155	13.90	15.84	25	7	.09	1.1	.6	DEPL	2.3X	6	196	4
97	MAR	16	1658	6.86	19	23.03	155	14.78	3.24	17	5	.07	.3	.4	SEC	1.5X	4	112	2
97	MAR	16	1949	48.43	19	24.08	155	16.71	11.31	21	6	.12	1.0	.9	INTL	1.6X	5	75	0
97	MAR	16	1953	52.81	19	25.08	155	16.84	10.81	22	6	.10	.9	.7	INTL	1.6X	6	96	0
97	MAR	16	2315	35.42	20	13.50	155	35.06	11.66	38	9	.12	3.9	5.6	KOH	2.0X	7	294	51
97	MAR	16	2339	58.33	19	23.31	155	14.84	3.85	26	8	.10	.3	.4	SEC	1.5X	5	102	3
97	MAR	17	511	5.60	19	24.95	155	18.47	10.26	13	4	.10	1.4	1.0	INTL	1.4X	4	140	2
97	MAR	17	827	54.44	19	27.05	155	29.82	11.55	31	6	.11	.4	1.2	KAO	1.4X	6	81	7
97	MAR	17	904	47.85	19	59.86	155	34.02	40.05	28	7	.14	1.1	1.3	KEA	1.9X	6	256	26
97	MAR	17	1312	32.87	19	23.45	155	14.73	8.98	20	4	.10	.7	.9	INTL	2.0X	5	97	2
97	MAR	17	1327	38.39	19	19.96	155	8.37	6.96	16	2	.07	1.1	1.2	SF4	1.4X	3	199	5
97	MAR	17	1941	46.36	19	22.75	155	14.58	3.39	22	7	.10	.4	.4	SEC	1.6X	4	121	2
97	MAR	17	2019	17.47	19	11.45	155	41.69	6.90	31	1	.13	.6	2.0	LSW	1.8X	6	92	8
97	MAR	17	2025	22.62	19	24.07	155	15.74	3.27	26	8	.10	.3	.3	SECF	2.3X	3	78	2
97	MAR	18	257	15.26	19	25.47	155	16.78	7.98	18	3	.11	.7	.6	INTL	1.5X	3	102	1
97	MAR	18	257	24.97	19	23.63	155	15.34	4.64	23	7	.15	.5	.7	SECL	1.8X	5	89	2
97	MAR	18	514	55.58	19	46.04	155	34.93	13.36	33	6	.13	.6	.4	KEA	1.5X	6	169	13

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
97	MAR	18	1013	7.71	19	24.29	155	16.26	12.59	17	4	.10	.8	.9	INTL	1.7X	5	89	1
97	MAR	18	1611	29.46	19	10.21	155	33.65	33.82	5418		.09	.5	1.0	DLSF	2.9X	9	143	11
97	MAR	18	2100	3.36	19	22.13	155	12.97	4.06	17	3	.06	.6	.4	SER	1.5X	3	142	1
97	MAR	18	2211	22.76	19	23.37	155	17.03	3.34	18	5	.08	.5	.3	SSC	1.4X	4	122	0
97	MAR	18	2247	54.88	19	19.31	155	13.31	6.55	19	3	.10	.6	1.5	SF2	1.3X	4	177	6
97	MAR	19	532	8.07	19	30.37	157	26.46	6.53	35	7	.15	10.5	13.5	DIS -	2.5X	4	335	160
97	MAR	19	1607	51.08	19	23.04	155	14.76	3.03	17	4	.08	.3	.4	SEC	1.7X	2	111	2
97	MAR	19	2037	14.24	19	24.25	155	17.41	6.30	17	2	.09	.6	.7	INTL	2.1X	2	80	1
97	MAR	19	2056	56.17	19	25.47	155	16.32	13.08	13	3	.07	1.3	.8	DEPL	2.0X	3	174	2
97	MAR	19	2203	30.96	19	26.36	155	15.27	8.81	16	4	.20	1.1	1.4	INTL	1.9X	3	194	4
97	MAR	19	2308	10.25	19	27.20	155	26.26	9.44	36	5	.13	.4	.9	KAO	2.1X	3	43	7
97	MAR	19	2340	50.56	19	23.96	155	17.25	12.76	17	4	.10	1.3	1.2	INTL	2.0X	3	123	1
97	MAR	20	104	52.56	19	9.50	155	34.72	8.51	26	2	.13	.6	.9	LSW	1.4X	3	142	11
97	MAR	20	152	41.32	19	22.60	155	19.59	30.16	41	9	.11	.6	.8	DML	1.6X	8	75	5
97	MAR	20	518	29.32	19	24.38	155	17.02	8.10	18	4	.17	1.1	1.0	INTL	1.9X	4	78	1
97	MAR	20	922	16.88	19	23.13	155	14.56	4.08	26	4	.11	.4	.5	SEC	2.4X	3	107	3
97	MAR	20	1430	59.29	19	24.98	155	17.62	10.00	30	6	.11	.5	.6	INTL	2.0X	5	78	1
97	MAR	20	2010	7.37	19	20.15	155	7.55	9.10	37	6	.10	.9	.5	SF4	2.1X	4	200	5
97	MAR	21	158	50.25	19	26.23	155	15.98	9.97	18	4	.12	1.1	.8	INTL	2.3X	3	133	3
97	MAR	21	211	57.29	19	24.80	155	17.07	6.97	15	1	.13	1.1	1.1	INTL	1.7X	3	77	0
97	MAR	21	1611	30.05	19	21.29	155	8.20	9.79	43	8	.10	.6	.4	SF4	2.4X	8	180	3
97	MAR	21	1733	59.44	19	22.46	155	9.05	3.69	3410		.12	.6	.3	SER	1.4X	7	169	2
97	MAR	22	1306	32.42	19	21.47	155	12.85	2.82	21	9	.07	.4	.3	SER	1.4X	5	160	2
97	MAR	22	1400	47.99	19	23.59	155	14.73	4.44	3810		.11	.3	.5	SEC	2.1X	6	92	2
97	MAR	22	1401	21.25	19	23.05	155	14.96	1.68	17	5	.10	.3	.4	SEC	1.4X	5	116	2
97	MAR	22	1646	26.17	19	22.08	155	10.54	3.26	16	4	.08	.9	.5	SER	1.2X	3	152	1
97	MAR	22	2342	22.29	19	20.39	155	6.20	8.53	33	5	.09	.9	.5	SF4	1.3X	4	203	6
97	MAR	23	229	28.97	19	23.54	155	17.03	3.32	3611		.11	.3	.2	SSC	2.0X	6	44	0
97	MAR	23	512	34.83	19	22.05	155	13.95	3.70	24	7	.08	.3	.3	SER	1.8X	6	139	2
97	MAR	23	651	27.24	19	19.54	155	7.19	8.73	39	9	.10	.8	.5	SF4	1.6X	7	206	7
97	MAR	24	40	10.19	19	21.94	155	4.01	10.38	4012		.09	.8	.4	SF5	2.5X	6	192	7
97	MAR	24	700	58.90	19	22.54	155	5.59	7.66	39	8	.12	.9	.5	SF4	1.7X	7	177	4
97	MAR	24	1140	32.89	19	21.48	155	8.14	8.81	28	6	.09	.7	.6	SF4	1.6X	4	184	3
97	MAR	24	1325	45.57	19	23.13	155	14.53	4.24	3710		.11	.3	.4	SEC	2.4X	6	108	3
97	MAR	25	107	28.04	19	21.04	155	11.22	9.49	35	6	.11	.7	.5	SF3	2.3X	3	172	3
97	MAR	25	1201	50.72	19	22.27	154	50.45	41.89	36	5	.09	1.8	.7	LER	2.1X	3	289	13
97	MAR	25	1937	19.75	19	20.33	155	1.70	2.66	27	5	.11	1.4	1.3	SSF	1.6X	3	221	10
97	MAR	26	119	38.17	19	19.95	155	9.37	5.20	25	5	.10	.7	1.4	SF3	1.5X	3	196	4
97	MAR	26	1644	37.10	19	20.05	155	13.33	6.34	22	4	.10	.7	1.0	SF2	1.4X	2	190	5
97	MAR	26	2220	25.67	19	21.24	155	23.51	9.47	31	5	.11	.4	.9	SWR	1.4X	2	44	2
97	MAR	27	249	57.71	19	49.86	156	4.53	43.30	5012		.11	1.0	1.3	HUA	2.8X	10	242	41
97	MAR	27	727	33.71	19	52.43	156	6.38	5.51	21	3	.12	2.3	2.9	HUA	1.9X	2	318	47
97	MAR	27	1933	47.45	19	23.65	155	15.04	3.61	21	6	.12	.4	.5	SEC	1.5X	4	92	2
97	MAR	28	17	7.72	19	19.37	155	8.27	8.41	35	6	.08	.5	.6	SF4	1.5X	6	195	6
97	MAR	28	1835	5.72	19	22.65	155	14.75	2.92	21	7	.10	.3	.4	SEC	1.5X	4	122	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
97	MAR	29	126	47.26	19	58.90	155	6.47	38.88	5016		.10	.8	1.2	KEA	2.4X	10	236	27
97	MAR	29	219	43.19	19	22.02	155	9.80	3.74	29	7	.12	.8	.4	SER	1.9X	7	168	0
97	MAR	29	354	17.21	19	20.71	155	7.34	8.77	4010		.10	.7	.4	SF4	1.9X	7	188	5
97	MAR	29	829	19.81	19	23.87	155	15.29	3.25	27	4	.10	.3	.3	SEC	1.8X	5	81	2
97	MAR	29	907	59.96	19	21.15	155	12.61	2.38	26	9	.10	.3	.4	SER	1.6X	5	168	3
97	MAR	29	1209	56.08	19	23.02	155	14.85	3.44	22	7	.09	.4	.4	SEC	1.6X	5	113	2
97	MAR	29	1428	17.51	19	20.08	155	12.53	7.90	36	6	.10	.5	.6	SF2	1.6X	6	175	5
97	MAR	29	1757	40.00	19	23.75	155	17.19	3.64	20	7	.12	.4	.3	SSC	1.6X	5	78	1
97	MAR	29	1924	59.19	19	23.58	155	14.59	4.00	44	9	.12	.3	.4	SEC	2.3X	5	91	2
97	MAR	29	2145	38.29	19	20.97	155	13.40	9.36	5013		.11	.3	.3	SF2	1.9X	7	156	3
97	MAR	30	451	37.16	19	50.89	155	9.01	37.53	5319		.11	.7	1.0	KEA	2.5X	9	212	21
97	MAR	30	604	7.39	18	56.03	155	34.43	42.44	5217		.09	.8	1.1	DLS	2.2X	10	250	11
97	MAR	30	849	34.00	19	23.31	155	15.12	3.31	34	7	.10	.3	.3	SEC	2.0X	6	103	2
97	MAR	30	1039	33.30	19	23.51	155	15.06	3.74	23	7	.10	.3	.4	SEC	1.8X	5	97	3
97	MAR	30	1110	7.89	19	19.66	155	12.01	7.78	35	5	.08	.5	.6	SF3	1.3X	4	179	6
97	MAR	30	1149	57.48	19	23.69	155	14.84	3.76	40	9	.10	.3	.3	SEC	2.3X	6	91	2
97	MAR	30	1200	6.92	19	19.86	155	11.98	8.82	5014		.11	.4	.4	SF3	1.7X	8	178	5
97	MAR	30	2005	24.90	19	25.12	155	39.08	2.94	23	4	.10	.7	.6	MLO	1.9X	2	192	3
97	MAR	30	2339	49.44	18	58.17	155	28.48	39.30	34	6	.09	1.0	1.1	DLS	1.9X	2	227	20
97	MAR	31	519	12.02	19	22.13	155	10.53	3.42	16	3	.05	1.0	.4	SER	1.6X	2	147	1
97	MAR	31	2050	59.09	19	39.63	155	55.45	32.56	45	6	.10	.9	1.2	HUA	2.3X	8	198	19
97	MAR	31	2101	59.73	19	25.59	155	20.30	8.60	4711		.12	.3	.6	KAO	2.2X	6	57	4
97	APR	1	1541	9.62	19	23.72	155	15.27	3.26	22	7	.12	.4	.4	SEC	1.3X	5	60	2
97	APR	1	2337	40.85	19	20.42	155	11.85	9.07	4511		.14	.5	.5	SF3	1.8X	8	136	5
97	APR	2	42	39.21	19	21.87	155	9.82	3.65	32	3	.12	.5	.6	SER	2.0X	4	144	0
97	APR	2	359	36.69	19	30.45	155	58.19	11.86	38	4	.12	1.0	.5	KONF	2.3X	8	236	6
97	APR	2	414	50.85	18	56.13	155	34.42	41.89	5115		.08	.8	1.0	DLS	2.5X	9	250	11
97	APR	2	1243	28.92	19	6.92	156	15.81	38.04	27	8	.14	1.8	2.7	KON	2.3X	2	310	44
97	APR	3	629	53.07	18	56.29	155	34.23	41.49	39	4	.08	1.6	1.1	DLS	2.3X	3	247	11
97	APR	3	1207	27.26	19	23.11	155	14.40	3.61	30	6	.11	.4	.4	SEC	2.3X	3	80	2
97	APR	3	2041	58.84	19	25.80	155	18.66	6.28	19	3	.10	.6	1.0	INT	1.4X	4	86	2
97	APR	4	33	48.02	19	22.66	155	14.54	2.87	18	4	.08	.3	.4	SEC	1.7X	3	79	2
97	APR	4	101	18.84	19	23.73	155	10.33	0.40	10	2	.09	.3	.9	SER	1.2X	2	174	3
97	APR	4	145	25.40	19	21.31	155	28.95	13.68	40	3	.10	.3	.4	DML	2.1X	4	40	3
97	APR	4	1314	51.71	19	26.38	155	30.34	13.37	30	5	.11	.4	.8	DML	1.7X	4	42	5
97	APR	4	1351	0.24	19	22.72	155	14.45	3.13	12	3	.04	.4	.6	SEC	1.5X	2	129	2
97	APR	4	1428	18.75	19	20.88	155	12.84	3.30	15	3	.11	.5	1.4	SER	1.7X	3	122	6
97	APR	4	1429	31.27	19	21.90	155	12.60	3.40	17	4	.06	.4	.3	SER	1.7X	3	104	2
97	APR	4	1511	38.59	19	21.75	155	12.75	2.81	17	4	.08	.4	.4	SER	1.6X	3	106	2
97	APR	4	1528	21.43	19	23.62	155	25.47	11.14	36	4	.11	.4	.8	KAO	1.4X	4	31	4
97	APR	4	1552	50.98	19	17.70	155	13.16	8.30	34	4	.10	.5	.6	SF2	1.8X	7	143	1
97	APR	4	1741	11.44	19	21.75	155	12.70	2.95	38	9	.12	.3	.3	SER	1.9X	6	106	2
97	APR	4	1952	45.84	19	21.63	155	12.75	2.58	21	5	.07	.3	.4	SER	1.5X	4	109	2
97	APR	5	1437	34.54	19	26.09	155	30.85	10.65	44	8	.08	.3	.6	KAO	2.0X	9	40	8
97	APR	5	1710	12.80	19	19.38	155	8.73	7.22	39	8	.08	.5	.7	SF4	1.5X	6	184	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
97	APR	5	1934	46.27	19	18.38	155	13.37	7.61	34	4	.10	.5	.7	SF2	1.3X	6	121	3
97	APR	5	2100	14.31	19	18.19	155	13.07	8.73	39	6	.11	.5	.6	SF2	1.5X	8	136	2
97	APR	5	2316	16.47	19	19.34	155	13.24	9.80	4610		.12	.4	.5	SF2	2.2X	8	168	6
97	APR	5	2321	44.38	19	18.40	155	13.33	8.59	4710		.12	.4	.5	SF2	2.0X	8	122	3
97	APR	6	631	58.94	19	17.86	155	13.31	6.76	34	5	.09	.4	.8	SF2	1.3X	7	129	2
97	APR	6	1144	8.41	19	23.41	155	17.08	3.48	27	9	.10	.3	.3	SSC	1.4X	5	69	0
97	APR	6	1306	33.90	19	11.66	155	32.59	6.54	36	2	.15	.5	1.1	LSW	1.4X	3	94	8
97	APR	6	1321	30.27	19	24.55	155	37.94	1.16	29	6	.14	.4	.2	MLO	1.8X	4	96	0
97	APR	7	1336	27.44	19	49.82	155	24.52	26.60	4812		.11	.6	1.0	KEA	1.8X	10	95	8
97	APR	7	2055	19.63	19	33.01	155	57.23	10.39	44	7	.15	1.0	.5	KON	2.0X	8	234	8
97	APR	7	2202	52.00	19	20.43	155	24.63	10.58	45	7	.14	.4	.9	SWR	1.4X	7	61	2
97	APR	8	416	28.31	19	19.66	155	8.44	8.22	42	7	.10	.4	.5	SF4	1.5X	7	183	5
97	APR	9	224	47.24	19	20.18	155	11.94	7.21	42	8	.14	.4	.6	SF3	1.7X	7	137	5
97	APR	9	915	47.40	19	19.69	155	51.12	7.24	35	5	.15	.6	.7	KON	1.5X	4	165	7
97	APR	9	1205	25.79	19	23.77	155	15.77	11.56	11	3	.07	1.4	.9	INTL	1.7X	1	101	1
97	APR	9	1629	45.30	19	24.84	155	16.07	11.14	15	2	.09	1.1	.9	INTL	2.0X	3	106	2
97	APR	9	2113	20.50	19	15.63	155	33.25	8.65	33	5	.18	.4	1.0	LSW	1.4X	2	102	6
97	APR	9	2331	52.45	19	25.41	155	16.65	11.28	13	3	.07	1.4	.9	INTL	1.7X	2	168	1
97	APR	10	11	5.01	19	20.78	155	7.47	9.85	4610		.10	.5	.4	SF4	1.9X	8	175	5
97	APR	10	113	32.77	19	9.16	155	39.05	8.57	26	5	.13	.5	1.2	LSW	1.3X	2	97	11
97	APR	11	102	44.11	19	24.74	155	15.78	2.95	15	4	.10	.3	.5	SNCL	1.4X	4	107	2
97	APR	11	104	0.70	19	26.32	155	15.64	9.74	33	9	.10	.5	.4	INTL	2.1X	7	136	3
97	APR	11	305	25.05	19	25.42	155	29.38	9.74	35	3	.09	.3	1.3	KAO	1.1X	4	38	6
97	APR	11	440	14.74	19	20.49	155	8.39	8.04	39	7	.11	.4	.4	SF4	1.5X	7	172	4
97	APR	11	1154	59.98	19	20.41	155	11.99	8.15	33	5	.11	.5	.6	SF3	1.5X	4	134	5
97	APR	11	1856	38.06	19	20.62	155	49.11	12.07	4510		.10	.6	.3	KON	2.0X	8	143	10
97	APR	12	12	5.82	19	24.23	154	58.38	5.16	22	1	.10	1.4	.8	LER	1.3X	4	202	2
97	APR	12	47	6.37	19	54.40	155	20.81	10.56	33	5	.11	.9	.4	KEA	1.3X	5	273	2
97	APR	12	548	40.05	19	25.05	155	17.32	12.91	23	9	.11	1.0	.8	INTL	2.1X	7	85	1
97	APR	12	729	42.82	19	46.41	155	44.90	15.19	47	6	.11	.5	1.0	HUA	2.5X	9	131	13
97	APR	12	1912	11.14	19	28.68	154	54.24	2.47	16	2	.07	2.0	.3	SLE	1.4X	4	268	3
97	APR	12	1918	4.13	19	23.99	155	15.48	1.55	18	7	.10	.2	.4	SECL	1.3X	4	111	2
97	APR	12	2032	18.04	19	26.39	155	15.19	9.61	31	8	.11	.8	.6	INTL	2.1X	7	175	3
97	APR	12	2037	47.90	19	25.78	155	15.26	10.03	16	3	.08	1.0	1.1	INTL	1.8X	4	175	3
97	APR	13	41	51.59	19	25.63	155	15.66	10.63	16	3	.08	1.1	.9	INTL	1.7X	5	146	3
97	APR	13	644	17.33	19	25.73	155	16.30	8.91	23	7	.11	.8	.8	INTL	1.8X	7	129	2
97	APR	13	1352	15.02	19	24.63	155	17.01	1.83	21	6	.12	.4	.2	SNC	1.5X	5	83	0
97	APR	13	1403	27.31	19	18.99	155	23.48	34.01	45	8	.11	.6	1.0	DEP	1.7X	6	85	2
97	APR	13	1615	46.82	19	25.76	155	15.86	10.86	32	9	.12	.5	.4	INTL	2.3X	7	128	3
97	APR	13	1937	38.80	19	21.24	155	29.23	7.76	35	3	.08	.3	.9	KAO	1.4X	5	42	4
97	APR	14	307	20.19	19	20.00	155	7.98	9.21	41	9	.10	.5	.4	SF4	1.6X	9	182	5
97	APR	14	351	42.09	19	33.97	155	40.17	8.51	43	8	.12	.4	.8	MLO	1.7X	8	56	12
97	APR	14	411	48.12	19	21.41	155	13.04	9.49	38	5	.12	.5	.5	SF2	2.1X	4	153	2
97	APR	14	446	44.80	19	25.09	155	38.80	3.16	17	3	.13	1.0	.6	MLO	1.5X	2	188	2
97	APR	14	619	3.09	19	20.00	155	11.68	7.52	3910		.12	.4	.6	SF3	1.6X	8	143	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	APR	14	1214	34.30	19	25.13	155	16.41	13.55	11	1	.10	1.9	2.3	DEPL		1.9X	2	107	1
97	APR	14	2027	3.73	19	24.14	155	17.12	6.69	16	3	.14	.6	.8	INTL		2.0X	2	121	1
97	APR	15	544	7.14	19	24.44	155	17.36	2.33	11	3	.07	.9	.3	SSCL		1.4X	2	188	1
97	APR	15	721	14.19	19	19.81	155	13.81	9.68	36	4	.15	.6	.5	SF2		2.4X	3	167	5
97	APR	15	944	53.70	19	26.15	155	20.28	10.14	35	5	.11	.4	.6	KAO		2.1X	5	79	3
97	APR	15	954	28.30	19	24.49	155	17.72	8.97	11	3	.07	1.7	.9	INTL		1.6X	3	143	1
97	APR	15	1248	17.02	19	25.52	155	18.40	11.92	16	5	.10	1.0	.9	INTL		2.3X	3	213	1
97	APR	15	1250	39.53	19	25.36	155	15.83	9.89	15	3	.18	1.4	1.0	INTL		2.0X	3	133	2
97	APR	15	1408	53.50	19	20.13	155	11.13	6.42	28	3	.11	.5	1.0	SF3		1.7X	2	171	4
97	APR	15	1615	38.69	19	26.51	155	16.13	14.08	11	2	.06	1.8	1.3	DEPL		2.2X	2	158	3
97	APR	15	2241	36.57	19	26.94	155	18.67	10.69	13	2	.11	1.8	1.0	INTL		2.2X	3	247	3
97	APR	15	2259	3.06	19	11.50	155	42.23	2.37	43	8	.14	.4	1.0	LSW		2.0X	9	72	8
97	APR	15	2304	4.49	19	24.29	155	17.93	2.98	9	2	.10	1.6	.6	SSC		1.5X	3	241	2
97	APR	15	2309	50.79	19	24.48	155	17.28	2.21	14	3	.09	.5	.3	SSC		1.3X	3	79	1
97	APR	15	2312	29.19	19	24.62	155	16.83	1.88	11	1	.14	.6	.3	SNCL		1.2X	2	125	1
97	APR	15	2334	39.30	19	19.07	155	13.05	8.43	32	4	.11	.5	.6	SF2		1.6X	3	142	4
97	APR	16	201	47.16	19	24.83	155	16.74	8.30	13	2	.13	1.3	1.1	INTL		1.4X	2	92	0
97	APR	16	359	2.84	19	24.68	155	16.75	8.56	11	3	.07	1.4	1.1	INTL		1.3X	2	137	1
97	APR	16	421	42.99	19	25.62	155	16.51	9.06	4011		.13	.3	.4	INTL		2.2X	8	82	2
97	APR	16	514	18.56	19	25.78	155	15.63	5.13	17	3	.08	.6	.9	INTL		1.3X	4	134	3
97	APR	16	613	5.30	19	23.92	155	16.41	8.79	16	3	.08	.7	.8	INTL		1.5X	4	71	0
97	APR	16	853	1.24	19	24.89	155	17.32	9.98	14	3	.11	1.2	.9	INTL		2.4X	3	114	1
97	APR	16	1238	48.93	19	17.61	155	12.94	8.78	32	5	.09	.6	.7	SF2		1.7X	4	168	1
97	APR	16	1455	56.50	19	25.71	155	15.32	1.58	37	7	.11	.2	.4	SNCF		3.0X	1	109	3
97	APR	16	1526	38.04	19	25.42	155	15.44	1.32	16	3	.14	.4	.5	SNCL		1.6X	3	148	2
97	APR	16	2101	27.78	19	27.51	155	49.66	9.96	35	4	.14	.6	.5	KON		2.0X	4	97	9
97	APR	16	2312	37.08	19	20.29	155	11.55	9.05	35	2	.13	.6	.6	SF3		1.9X	4	152	4
97	APR	17	2	52.45	19	26.02	155	15.99	11.38	13	2	.07	1.3	1.2	INTL		2.1X	2	150	3
97	APR	17	712	15.84	19	14.71	155	30.52	7.75	23	4	.16	.5	.9	LSW		1.5X	2	96	1
97	APR	17	737	37.00	19	12.64	155	18.00	41.44	25	5	.10	1.5	1.0	DEP		2.1X	2	208	10
97	APR	17	1047	12.05	19	19.44	155	10.56	7.50	32	5	.10	.5	.8	SF3		1.8X	3	99	5
97	APR	17	1708	32.06	19	24.93	155	16.72	10.54	16	4	.06	.9	.8	INTL		2.4X	4	96	0
97	APR	17	1712	53.00	19	26.23	155	16.66	10.54	15	2	.12	1.0	1.1	INTL		2.0X	3	122	2
97	APR	17	2110	37.74	19	25.65	155	16.11	6.54	13	2	.17	1.1	1.2	INTL		1.8X	2	133	2
97	APR	18	28	28.07	19	20.86	155	13.09	9.45	35	4	.12	.5	.6	SF2		1.9X	3	64	3
97	APR	18	128	22.35	19	26.56	155	17.84	13.08	12	2	.13	2.2	1.1	DEPL		1.8X	3	116	2
97	APR	18	228	38.90	19	19.53	155	8.49	9.15	32	3	.11	.6	.4	SF4		2.0X	3	155	4
97	APR	18	504	38.61	19	20.13	155	10.56	9.07	34	5	.13	.5	.6	SF3		2.1X	4	84	4
97	APR	18	535	39.75	19	25.57	155	16.91	10.37	9	2	.03	1.8	1.3	INTL		1.5X	2	169	1
97	APR	18	955	37.47	19	16.68	155	21.85	12.02	27	3	.12	.4	.6	SWR		1.1X	1	132	6
97	APR	18	1019	13.29	19	22.22	155	28.62	11.82	31	3	.11	.4	.8	KAO		1.4X	3	43	2
97	APR	18	1509	32.66	19	27.93	155	27.12	11.86	4311		.12	.4	.7	KAO		1.6X	9	49	8
97	APR	18	1626	24.33	19	19.32	155	9.66	8.16	4310		.12	.4	.6	SF3		1.6X	8	115	5
97	APR	18	1750	20.85	19	23.13	155	19.93	6.21	14	2	.09	.7	1.5	KAOL		2.0X	2	169	5
97	APR	19	504	4.83	19	19.42	155	12.10	6.84	41	9	.11	.4	.6	SF3		1.4X	6	92	5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	APR	19	619	48.35	19	24.65	155	16.66	10.06	14	3	.08	1.2	1.0	INTL		2.3X	3	89	1
97	APR	20	439	50.34	19	20.14	155	6.77	9.03	4311		.12	.4	.5	SF4		1.9X	8	146	6
97	APR	20	551	14.54	19	28.28	155	24.06	3.95	23	2	.10	.4	1.0	KAO		1.9X	4	69	3
97	APR	20	1111	58.01	19	27.07	155	28.09	10.98	27	4	.12	.4	1.0	KAO		1.9X	2	54	8
97	APR	20	1831	7.08	19	49.47	155	58.24	12.77	40	7	.22	1.6	1.0	HUA		2.1X	7	219	21
97	APR	21	845	29.98	19	25.69	155	16.20	6.18	28	5	.11	.4	.4	INTL		1.6X	5	118	2
97	APR	21	934	45.75	19	18.73	155	13.99	8.12	27	4	.07	.4	.7	SF2		1.4X	3	98	3
97	APR	22	348	25.86	19	24.35	155	15.50	1.25	14	1	.10	.3	.4	SECL		2.2X	2	91	2
97	APR	22	1243	24.16	19	19.85	155	8.04	6.78	33	4	.11	.5	.8	SF4		2.0X	4	128	5
97	APR	22	1757	45.77	19	24.55	155	17.52	12.82	14	2	.13	.9	1.3	INTL		2.5X	3	76	1
97	APR	22	1839	54.68	19	24.53	155	16.50	9.10	16	3	.07	.7	.9	INTL		1.3X	3	87	1
97	APR	23	1622	2.50	19	22.94	155	14.64	3.56	30	7	.11	.3	.3	SEC		2.3X	3	77	2
97	APR	23	2024	16.90	19	26.74	155	15.77	11.40	18	2	.10	.9	.8	INTL		2.5X	2	168	2
97	APR	23	2026	34.71	19	25.13	155	16.36	15.23	25	6	.13	.9	.4	DEPL		2.3X	6	108	1
97	APR	23	2031	26.13	19	22.66	155	15.98	8.88	23	4	.13	.5	.9	INTL		2.0X	5	62	0
97	APR	23	2110	2.55	19	26.51	155	14.99	8.89	28	5	.12	.5	.6	INTL		2.4X	5	131	4
97	APR	23	2150	30.25	19	25.29	155	17.40	9.56	24	5	.11	.6	.5	INTL		1.9X	5	86	0
97	APR	24	146	36.88	19	20.89	155	12.27	9.73	37	7	.12	.5	.5	SF3		1.7X	6	74	4
97	APR	24	413	27.17	19	4.18	155	27.85	60.28	4610		.14	1.0	1.3	DLST		2.6X	8	191	10
97	APR	24	513	23.35	19	9.26	155	30.42	49.21	23		.10	3.3	5.9	DLST				228	5
97	APR	24	652	28.25	19	26.86	155	15.64	9.58	17	4	.10	1.0	.8	INTL		1.9X	4	177	2
97	APR	24	654	55.36	19	19.49	155	12.02	8.83	29	4	.10	.5	.9	SF3		1.8X	2	92	5
97	APR	24	839	41.09	19	21.18	155	13.21	9.43	4914		.13	.4	.4	SF2		2.1X	7	60	3
97	APR	24	1231	22.48	19	24.14	155	18.35	4.26	37	8	.14	.3	.6	SSCL		2.0X	7	55	3
97	APR	24	2103	8.33	19	18.88	155	13.26	9.18	41	7	.10	.4	.6	SF2		1.6X	7	130	7
97	APR	24	2206	8.82	19	25.33	155	16.43	6.40	26	5	.08	.5	.4	INTL		2.2X	4	108	1
97	APR	24	2207	37.00	19	25.05	155	16.19	9.93	28	4	.09	.6	.4	INTL		2.2X	5	110	1
97	APR	25	948	8.67	19	22.83	155	17.67	2.51	32	5	.10	.3	.4	SSCL		2.1X	4	41	2
97	APR	25	952	40.32	19	24.98	155	16.91	8.27	30	5	.11	.5	.4	INTL		2.2X	3	92	0
97	APR	25	1036	35.95	19	24.57	155	15.86	9.26	33	5	.11	.5	.4	INTL		2.4X	5	93	2
97	APR	25	1116	53.70	19	20.27	155	47.60	11.67	37	3	.10	.6	.3	KON		1.8X	4	127	11
97	APR	25	1141	44.48	19	27.26	155	14.11	11.78	19	4	.10	1.1	.9	INTL		2.0X	3	237	5
97	APR	25	1251	43.03	19	16.31	155	22.88	5.55	32		.13	.5	1.5	SWR		1.4X	4	124	4
97	APR	25	1449	53.73	19	24.87	155	15.12	4.74	22	5	.12	.6	.8	SNCL		1.6X	4	128	1
97	APR	25	1450	2.56	19	25.16	155	17.26	10.71	26	4	.11	.6	.5	INTL		2.4X	4	88	1
97	APR	25	1550	54.08	19	10.92	155	32.08	42.28	40		.13	1.1	2.3	DLST		2.3X	4	103	8
97	APR	25	1809	14.98	19	22.74	155	14.81	2.86	17	4	.08	.3	.4	SEC		1.4X	4	72	2
97	APR	25	2038	21.51	19	14.97	155	29.83	11.23	4610		.11	.3	.7	LSW		1.9X	8	65	1
97	APR	25	2240	46.40	19	22.85	155	14.69	3.46	21	7	.09	.3	.4	SEC		1.5X	5	76	2
97	APR	25	2343	28.05	19	8.02	155	24.43	64.17	23	2	.10	2.3	1.8	LOIT		1.8X	3	225	7
97	APR	26	547	16.55	19	23.35	155	15.83	6.23	22	7	.13	.6	.7	INTL		2.2X	5	57	2
97	APR	26	548	20.95	19	24.26	155	15.59	9.27	21	4	.10	.8	.7	INTL		2.3X	4	86	2
97	APR	26	621	15.32	19	9.01	155	28.81	49.76	30	3	.12	1.4	1.4	DLST		2.0X	3	210	2
97	APR	26	2056	58.30	19	16.17	155	27.14	49.37	28	3	.14	1.3	2.1	DLST		1.8X	2	65	6
97	APR	27	136	54.75	19	24.92	155	16.13	1.45	29	4	.11	.2	.3	SNCL		2.1X	5	86	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
97	APR	27	140	0.52	19	24.58	155	16.18	6.21	25	4	.09	.5	.5	INTL	2.1X	4	83	1
97	APR	27	156	18.67	19	24.95	155	15.63	2.54	36	6	.11	.2	.2	SNCL	2.0X	2	95	2
97	APR	27	229	32.32	19	25.44	155	16.51	8.16	22	4	.11	.7	.7	INTL	1.9X	4	107	1
97	APR	27	330	15.98	19	24.58	155	17.52	5.44	30	6	.10	.3	.3	INTL	2.2X	5	43	1
97	APR	27	426	13.85	19	24.84	155	16.12	4.44	25	3	.12	.5	.4	SNCL	2.2X	3	103	2
97	APR	27	554	28.37	19	24.37	155	16.09	7.84	28	4	.12	.5	.5	INTL	2.1X	4	82	1
97	APR	27	1410	33.13	19	22.58	155	30.01	10.70	55	16	.11	.3	.5	KAO	2.3X	8	41	4
97	APR	27	1507	30.79	19	25.11	155	16.94	4.25	26	4	.10	.4	.3	SNCL	2.0X	4	94	0
97	APR	27	1526	46.02	20	22.87	156	7.24	13.01	40	6	.13	7.6	10.7	KOH -	2.4X	5	319	45
97	APR	27	1619	13.83	19	38.32	156	28.02	21.79	38	4	.12	1.4	6.3	DIS	2.3X	4	282	60
97	APR	27	2018	9.64	19	20.57	155	6.13	9.04	45	9	.13	.5	.3	SF4	2.2X	7	153	6
97	APR	27	2354	27.25	19	24.54	155	17.08	2.09	30	4	.13	.3	.2	SNCL	2.0X	3	63	1
97	APR	28	523	28.30	19	50.82	155	9.21	35.25	37	8	.08	1.0	1.1	KEA	2.0X	5	252	20
97	APR	28	613	20.32	19	3.56	156	19.26	38.53	30	5	.09	1.6	2.5	KON	2.3X	2	299	53
97	APR	28	1149	14.36	19	3.88	156	17.95	39.03	31	5	.08	1.4	2.0	KON	2.2X	3	297	50
97	APR	28	1305	59.64	19	23.93	155	16.85	9.35	35	7	.11	.4	.4	INTL	2.2X	6	70	0
97	APR	28	1454	43.17	20	40.46	156	11.08	7.26	26	5	.09	8.1	10.2	DIS -	2.5X	2	333	115
97	APR	28	1619	33.85	19	23.65	155	15.98	5.70	18	4	.10	.7	.7	INTL	1.7X	4	93	1
97	APR	28	1714	52.79	19	23.21	155	23.58	13.90	34	7	.09	.4	.6	DML	1.5X	3	44	6
97	APR	28	1910	39.08	19	22.15	155	17.45	11.92	17	4	.08	1.1	.6	INTL	2.0X	5	121	2
97	APR	28	2344	18.31	19	22.87	155	14.58	3.61	24	6	.10	.3	.4	SEC	1.8X	2	79	2
97	APR	29	8	33.00	19	25.14	155	16.15	9.25	16	4	.09	.9	.8	INTL	1.6X	3	114	2
97	APR	29	13	35.25	19	25.27	155	15.12	7.17	18	3	.16	.8	.9	INTL	2.3X	3	152	2
97	APR	29	16	56.45	19	26.27	155	13.19	10.66	26	5	.08	.8	.6	GLNL	2.2X	5	198	4
97	APR	29	153	41.84	19	25.54	155	17.90	11.77	13	2	.08	1.1	1.2	INTL	2.2X	2	165	1
97	APR	29	312	16.38	19	25.68	155	17.04	10.04	12	2	.13	1.4	1.2	INTL	2.4X	2	102	1
97	APR	29	652	47.67	19	19.31	155	13.12	7.96	41	9	.15	.4	.8	SF2	1.3X	8	78	4
97	APR	29	658	1.20	19	21.89	155	28.84	11.41	38	5	.09	.3	.6	KAO	2.0X	4	41	2
97	APR	29	805	21.74	19	24.10	155	15.67	6.98	10	3	.09	1.0	1.2	INTL	1.6X	2	123	2
97	APR	29	1036	16.13	19	26.21	155	15.83	9.41	12	3	.07	1.2	.9	INTL	1.5X	2	164	3
97	APR	29	1141	24.31	19	21.91	155	4.03	7.25	42	8	.14	.6	.7	SF5	1.6X	7	174	7
97	APR	29	1145	34.02	19	25.90	155	15.32	11.05	29	7	.10	.8	.6	INTL	1.9X	5	143	3
97	APR	29	1215	51.41	19	25.95	155	14.96	1.74	20	4	.12	.3	.5	SNCL	1.6X	5	151	3
97	APR	29	1410	33.36	19	23.97	155	17.44	7.77	15	3	.08	.9	.7	INTL	1.4X	4	126	1
97	APR	29	1512	0.16	19	25.11	155	16.16	9.02	19	4	.08	.9	.6	INTL	1.7X	5	113	2
97	APR	29	1609	1.34	19	24.64	155	16.37	12.14	10	1	.12	1.6	1.9	INTL	1.7X	2	139	1
97	APR	29	1722	23.81	19	25.57	155	17.82	11.64	12	1	.06	1.5	1.8	INTL	2.0X	2	121	0
97	APR	29	1817	1.79	19	26.17	155	16.91	10.51	11	2	.08	1.9	1.4	INTL	1.5X	2	189	2
97	APR	29	1927	28.61	19	25.89	155	16.01	8.07	13	2	.14	.9	1.0	INTL	1.8X	2	145	3
97	APR	29	2008	3.20	19	25.36	155	16.19	10.82	25	5	.07	.9	.5	INTL	1.9X	5	152	2
97	APR	29	2111	52.41	19	25.49	155	16.58	9.86	15	3	.11	.8	.9	INTL	1.9X	3	112	1
97	APR	29	2143	26.10	19	24.23	155	17.12	7.93	12	2	.13	1.5	1.0	INTL	1.5X	3	130	1
97	APR	29	2215	26.89	19	24.96	155	17.20	9.88	11	2	.06	1.8	1.3	INTL	1.7X	2	138	0
97	APR	29	2317	4.35	19	24.89	155	16.95	8.58	16	2	.21	.9	1.3	INTL	2.1X	2	89	0
97	APR	29	2335	29.91	19	26.82	155	16.51	9.61	12	2	.10	1.3	1.5	INTL	1.9X	2	144	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
97	APR	30	6	1.01	19	25.06	155	16.81	9.71	12	3	.09	1.7	1.0	INTL	1.5X	2	151	0
97	APR	30	129	49.61	19	25.87	155	16.06	14.81	13	2	.12	1.6	1.5	DEPL	2.3X	3	142	2
97	APR	30	154	28.44	19	25.00	155	16.21	3.99	19	4	.09	.4	.5	SNCL	1.2X	4	109	1
97	APR	30	249	44.14	19	25.89	155	16.18	11.04	11	1	.03	1.5	1.8	INTL	1.9X	2	137	2
97	APR	30	332	11.16	19	27.21	155	14.77	11.35	16	3	.11	1.2	.9	INTL	1.5X	5	205	4
97	APR	30	332	33.33	19	24.66	155	17.20	5.86	18	4	.10	.6	.6	INTL	1.6X	4	79	1
97	APR	30	448	0.62	19	22.84	155	16.04	6.16	8	3	.08	1.3	1.4	INTL	1.4X	1	141	1
97	APR	30	1347	39.46	19	23.01	155	13.89	7.59	11	3	.09	1.0	1.2	SF2L	1.7X	2	242	3
97	APR	30	1411	24.59	19	25.45	155	17.22	8.08	12	2	.09	1.2	.8	INTL	1.5X	2	93	1
97	APR	30	1521	8.46	19	15.56	156	25.41	38.60	31	6	.10	1.6	2.6	DIS	2.1X	2	313	58
97	APR	30	1619	53.60	19	26.26	155	16.10	7.78	10	2	.08	2.0	1.0	INTL	1.5X	2	205	3
97	APR	30	1718	38.27	19	25.63	155	16.57	11.38	13	3	.11	2.1	1.2	INTL	1.7X	2	170	2
97	APR	30	1812	21.88	19	25.50	155	16.63	10.45	11	2	.09	2.3	1.4	INTL	1.7X	2	171	1
97	APR	30	1930	44.18	19	25.47	155	17.68	10.81	12	2	.10	1.4	1.2	INTL	1.6X	2	130	0
97	APR	30	2107	46.20	19	25.66	155	15.04	9.47	12	2	.14	1.8	1.2	INTL	1.9X	2	181	2
97	APR	30	2213	23.60	19	23.55	155	26.64	10.80	33	5	.10	.4	.9	KAO	1.5X	3	47	3
97	APR	30	2350	58.06	19	25.48	155	17.20	11.69	15	3	.07	1.0	1.1	INTL	1.6X	4	94	1
97	MAY	1	116	49.00	19	52.98	156	34.44	38.85	41	3	.12	1.8	1.7	DIS	2.9X	3	295	81
97	MAY	1	141	56.31	19	25.24	155	15.82	10.82	10	3	.05	1.3	1.0	INTL	1.7X	3	128	2
97	MAY	1	311	25.99	19	25.03	155	17.18	10.82	13	3	.11	1.2	.8	INTL	2.1X	2	117	0
97	MAY	1	454	24.46	19	25.86	155	15.62	10.44	14	2	.09	1.3	.9	INTL	1.8X	2	161	3
97	MAY	1	648	5.57	19	25.54	155	16.90	9.74	11	1	.06	1.4	1.7	INTL	1.9X	2	104	1
97	MAY	1	909	40.04	19	25.66	155	15.82	9.13	16	4	.08	1.0	.6	INTL	1.5X	5	165	2
97	MAY	1	1117	13.12	19	23.77	155	18.81	8.71	19	3	.05	.5	.8	INTL	1.4X	3	84	3
97	MAY	1	1400	21.75	19	24.54	155	16.28	0.81	22	4	.12	.2	.3	SNCL	1.8X	4	91	1
97	MAY	1	1438	22.38	19	24.01	155	16.94	6.13	24	4	.14	.5	.5	INTL	1.9X	4	71	1
97	MAY	1	1509	46.54	19	23.38	155	17.41	2.98	22	5	.11	.3	.3	SSC	1.5X	4	71	1
97	MAY	1	1737	24.06	19	21.51	155	4.21	5.35	36	2	.12	.6	1.4	SF5	1.3X	6	167	7
97	MAY	1	1944	17.93	19	24.76	155	15.48	6.02	19	3	.09	.6	.7	INTL	1.4X	4	114	2
97	MAY	1	2156	45.58	19	23.44	155	14.87	3.82	39	8	.10	.3	.3	SEC	2.3X	6	82	2
97	MAY	1	2204	34.92	19	23.49	155	14.99	4.10	38	6	.10	.3	.4	SEC	2.3X	6	47	2
97	MAY	1	2215	5.35	19	23.38	155	14.74	3.97	41	8	.12	.3	.4	SEC	2.5X	4	55	2
97	MAY	1	2243	42.90	19	23.27	155	14.98	2.82	23	7	.09	.3	.4	SEC	1.3X	5	66	2
97	MAY	1	2244	3.50	19	24.55	155	16.03	1.90	30	5	.12	.2	.2	SNCL	1.8X	4	95	2
97	MAY	1	2308	51.41	19	24.36	155	16.54	2.32	13	3	.07	.4	.3	SSCL	1.2X	4	120	1
97	MAY	1	2331	26.79	19	25.10	155	17.11	12.17	24	5	.10	.7	.5	INTL	2.0X	5	91	0
97	MAY	2	40	41.92	19	25.12	155	17.03	9.09	20	3	.07	.7	.6	INTL	1.7X	4	92	0
97	MAY	2	320	7.78	19	24.85	155	17.56	12.52	13	3	.11	1.5	1.0	INTL	1.6X	4	127	1
97	MAY	2	712	46.33	19	24.62	155	17.08	9.75	18	3	.09	.9	.8	INTL	1.6X	4	73	1
97	MAY	2	929	8.73	19	18.74	155	15.05	8.87	32	2	.10	.5	.8	SF1	1.6X	5	105	4
97	MAY	2	1028	38.20	19	24.60	155	15.97	1.27	17	4	.12	.3	.4	SNCL	1.4X	4	97	2
97	MAY	2	1310	27.84	19	24.73	155	17.94	8.52	13	3	.08	1.2	.9	INTL	1.7X	2	145	1
97	MAY	2	1658	31.97	19	24.59	155	17.61	2.84	27	4	.10	.4	.2	SNCL	1.9X	4	47	1
97	MAY	2	1838	13.52	19	25.77	155	18.25	10.18	11	2	.10	1.5	1.1	INTL	1.7X	2	157	1
97	MAY	2	2125	17.28	19	23.74	155	18.30	8.14	14	3	.15	1.3	1.7	INTL	2.1X	2	96	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
97	MAY	2	2142	11.10	19	25.81	155	15.48	8.81	30	5	.10	.6	.5	INTL	2.3X	5	113	3
97	MAY	2	2152	42.08	19	24.84	155	16.53	11.10	15	2	.11	.9	1.2	INTL	1.7X	2	96	1
97	MAY	2	2213	39.52	19	23.87	155	15.83	7.91	19	3	.09	.7	.8	INTL	1.8X	4	71	1
97	MAY	2	2239	37.33	19	25.16	155	16.76	10.79	16	3	.08	.8	.8	INTL	2.3X	2	100	1
97	MAY	2	2250	1.54	19	24.48	155	16.82	9.33	12	3	.12	1.6	1.2	INTL	1.7X	2	123	1
97	MAY	2	2353	4.06	19	25.18	155	17.07	10.91	16	2	.12	1.0	1.2	INTL	1.6X	3	92	1
97	MAY	3	47	46.42	19	25.30	155	16.69	9.98	16	3	.10	1.0	.8	INTL	1.3X	3	105	1
97	MAY	3	103	21.71	19	24.90	155	16.66	9.38	15	3	.09	.8	.6	INTL	2.2X	2	95	1
97	MAY	3	123	51.61	19	24.47	155	16.91	9.08	20	4	.11	.7	.6	INTL	1.9X	5	82	1
97	MAY	3	234	58.08	19	24.73	155	17.13	9.62	14	2	.08	.8	1.0	INTL	1.6X	3	78	0
97	MAY	3	303	12.26	19	25.76	155	16.50	9.37	15	3	.10	.9	.8	INTL	1.7X	2	121	2
97	MAY	3	334	3.02	19	25.79	155	16.32	9.08	23	5	.09	.8	.6	INTL	1.7X	5	115	2
97	MAY	3	353	16.84	19	26.22	155	15.74	12.77	17	4	.11	.8	.8	INTL	1.9X	3	155	3
97	MAY	3	359	46.18	19	20.24	155	10.74	9.01	35	5	.10	.4	.5	SF3	1.7X	5	82	4
97	MAY	3	421	51.17	19	25.12	155	15.63	8.76	23	5	.12	.7	.7	INTL	1.8X	5	123	2
97	MAY	3	512	47.61	19	25.85	155	16.46	9.45	14	2	.07	1.0	1.1	INTL	1.8X	2	125	2
97	MAY	3	558	9.48	19	25.85	155	16.21	10.10	10	1	.05	2.0	1.6	INTL	1.6X	2	135	2
97	MAY	3	558	53.56	19	26.55	155	16.42	9.14	14	2	.09	1.3	1.0	INTL	2.3X	2	136	2
97	MAY	3	607	47.81	19	25.12	155	16.15	11.37	12	2	.05	1.5	1.1	INTL	1.6X	2	159	2
97	MAY	3	638	40.48	19	25.84	155	16.46	10.56	15	2	.08	1.0	.9	INTL	2.0X	3	125	2
97	MAY	3	704	4.04	19	11.34	155	39.61	8.41	39	4	.17	.5	1.3	LSW	2.0X	8	83	8
97	MAY	3	704	39.90	19	25.46	155	17.76	9.30	16	3	.10	.9	.6	INTL	1.6X	4	123	0
97	MAY	3	727	36.24	19	25.06	155	15.66	6.67	22	4	.09	.5	.6	INTL	1.6X	4	122	2
97	MAY	3	751	4.64	19	24.85	155	16.86	12.73	24	5	.14	.9	.7	INTL	2.3X	5	91	0
97	MAY	3	830	47.22	19	24.85	155	15.79	2.51	20	3	.12	.3	.4	SNCL	1.4X	4	113	2
97	MAY	3	857	56.67	19	24.80	155	16.00	2.47	22	3	.11	.3	.3	SNCL	1.3X	4	106	2
97	MAY	3	929	15.43	19	25.09	155	16.39	8.55	20	3	.10	.6	.5	INTL	1.8X	5	106	1
97	MAY	3	1006	34.42	19	24.69	155	16.37	7.68	19	3	.08	.8	.6	INTL	1.6X	5	142	1
97	MAY	3	1056	21.92	19	25.31	155	16.07	7.81	24	4	.11	.6	.5	INTL	2.0X	4	117	2
97	MAY	3	1237	47.99	19	26.06	155	16.82	7.24	22	5	.09	.6	.5	INTL	1.7X	4	103	2
97	MAY	3	1332	9.11	19	25.33	155	16.60	6.06	14	3	.04	.6	.7	INTL	1.6X	3	107	1
97	MAY	3	1345	41.53	19	59.99	156	42.17	6.85	24	2	.12	8.11	0.8	DIS -	2.2X	2	321	97
97	MAY	3	1447	38.83	19	25.63	155	16.40	10.89	23	3	.09	.7	.6	INTL	2.1X	4	111	2
97	MAY	3	1658	21.94	19	23.91	155	16.02	2.80	17	3	.13	.3	.4	SECL	1.5X	3	107	3
97	MAY	3	1920	26.54	19	24.21	155	15.62	0.69	21	3	.13	.2	.4	SECL	1.7X	4	84	2
97	MAY	3	2116	28.20	19	10.82	155	39.70	8.51	32	3	.15	.5	1.1	LSW	1.6X	3	87	9
97	MAY	3	2119	56.82	19	18.96	155	13.12	8.74	37	5	.12	.4	.7	SF2	1.6X	6	129	7
97	MAY	3	2158	25.42	19	30.12	155	29.92	6.72	33	4	.10	.3	1.5	MLO	1.4X	5	71	5
97	MAY	3	2248	38.96	19	25.35	155	15.94	9.43	25	4	.11	.6	.5	INTL	1.9X	5	120	2
97	MAY	4	206	36.55	19	25.15	155	16.88	7.78	30	5	.13	.4	.4	INTL	2.0X	5	97	1
97	MAY	4	404	11.03	19	23.60	155	18.39	12.42	16	3	.07	1.0	1.0	INTL	1.6X	4	141	3
97	MAY	4	404	35.88	19	24.26	155	15.36	4.02	21	3	.13	.4	.6	SECL	1.5X	4	86	2
97	MAY	4	609	18.34	19	25.78	155	15.66	11.02	12	2	.10	1.3	1.2	INTL	1.7X	3	156	3
97	MAY	4	610	55.21	19	17.93	155	16.61	7.72	32	4	.11	.4	.8	SF1	1.5X	2	136	4
97	MAY	4	956	48.12	19	24.02	155	16.15	5.73	12	3	.07	.8	.9	INTL	1.7X	2	111	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
97	MAY	4	1054	11.66	19	17.57	155	32.72	12.35	20	2	.11	.5	1.5	LSW	1.4X	2	87	6
97	MAY	4	1605	27.52	19	25.58	155	15.86	9.95	16	3	.09	.9	.9	INTL	2.3X	3	140	2
97	MAY	4	1757	5.72	19	20.37	155	6.93	9.75	42	8	.09	.5	.4	SF4	2.1X	8	141	6
97	MAY	4	1804	21.02	19	26.30	155	15.72	8.63	38	9	.11	.3	.4	INTL	2.1X	7	89	3
97	MAY	4	1909	33.71	20	17.22	155	45.63	26.12	38	5	.10	1.4	1.0	KOH	2.1X	2	307	18
97	MAY	4	1954	33.96	19	26.03	155	14.05	2.78	21	3	.12	.5	.6	SNCL	1.5X	4	168	3
97	MAY	4	2310	5.74	19	25.00	155	16.70	8.93	14	3	.12	1.0	1.1	INTL	1.6X	3	98	1
97	MAY	5	207	54.53	19	25.35	155	15.69	13.38	14	3	.08	1.4	1.2	DEPL	1.8X	3	138	2
97	MAY	5	903	24.14	19	23.61	155	17.03	3.45	21	5	.11	.4	.3	SSC	1.5X	4	76	0
97	MAY	5	1038	32.91	19	25.54	155	16.55	10.40	15	3	.08	.9	.9	INTL	2.1X	2	115	1
97	MAY	5	1104	51.50	20	47.44	154	48.65	6.74	27	4	.11	9.21	1.7	DIS -	2.3X	2	335	114
97	MAY	5	1125	45.27	19	25.60	155	16.77	8.85	21	4	.08	.8	.6	INTL	1.9X	4	102	1
97	MAY	5	1148	15.49	19	24.21	155	15.94	4.78	26	3	.12	.4	.5	SECL	1.8X	4	83	1
97	MAY	5	1225	9.05	19	25.89	155	16.55	9.43	13	2	.13	1.2	1.5	INTL	2.2X	3	122	2
97	MAY	5	1406	49.33	19	24.57	155	17.83	10.70	16	3	.13	1.2	.9	INTL	1.9X	2	86	2
97	MAY	5	1556	11.49	19	24.99	155	16.31	9.95	13	2	.09	1.1	1.3	INTL	2.0X	2	156	1
97	MAY	5	1840	52.76	19	13.92	155	25.32	35.77	27		.09	1.4	3.5	DLST	1.7X	3	135	2
97	MAY	5	2229	3.10	19	25.84	155	15.50	10.14	28	4	.10	.7	.5	INTL	2.2X	5	134	3
97	MAY	5	2347	44.21	19	25.17	155	15.77	10.51	15	3	.10	.9	.8	INTL	1.8X	4	127	2
97	MAY	6	26	23.12	19	24.47	155	16.12	9.80	11	3	.07	1.7	1.1	INTL	1.3X	2	134	1
97	MAY	6	105	3.21	19	21.58	155	6.66	7.26	28	2	.11	1.0	.6	SF4	1.4X	2	226	4
97	MAY	6	115	48.44	19	26.52	155	16.42	11.41	15	3	.12	.9	1.1	INTL	2.3X	3	143	2
97	MAY	6	130	16.66	19	26.05	155	15.26	10.22	12	3	.06	1.0	1.0	INTL	2.2X	2	184	3
97	MAY	6	304	33.04	19	26.47	155	16.48	10.51	12	2	.10	1.0	1.1	INTL	2.0X	2	139	2
97	MAY	6	433	34.07	19	24.26	155	16.57	10.28	10	3	.11	1.9	1.4	INTL	1.6X	2	118	1
97	MAY	6	510	19.08	19	19.47	155	10.99	8.62	35	4	.13	.5	.6	SF3	1.7X	3	98	5
97	MAY	6	613	20.83	19	25.60	155	15.87	7.03	20	3	.11	.7	.8	INTL	1.9X	4	125	2
97	MAY	6	1006	16.48	19	23.55	155	15.32	9.14	22	4	.09	.5	.6	INTL	2.2X	5	93	2
97	MAY	6	2248	2.66	19	19.68	155	11.49	6.54	27	4	.09	.4	.9	SF3	1.7X	2	92	5
97	MAY	7	44	56.34	19	25.67	155	16.32	9.10	15	3	.07	.9	.9	INTL	2.2X	2	115	2
97	MAY	7	47	45.78	19	24.89	155	16.25	9.87	11	3	.14	1.8	1.3	INTL	1.8X	2	104	1
97	MAY	7	307	48.12	19	25.65	155	15.93	10.17	17	3	.10	.7	.9	INTL	1.6X	4	124	2
97	MAY	7	346	26.43	19	25.53	155	15.59	10.49	9	3	.08	1.6	1.1	INTL	1.5X	2	149	3
97	MAY	7	638	55.01	19	26.10	155	16.08	12.13	11	2	.12	1.7	1.4	INTL	2.2X	3	148	3
97	MAY	7	642	11.05	19	25.22	155	16.50	10.41	19	3	.07	.6	.6	INTL	1.8X	4	105	1
97	MAY	7	649	35.85	19	25.64	155	16.69	10.90	13	3	.09	1.4	.9	INTL	1.6X	3	113	1
97	MAY	7	708	47.70	19	23.84	155	16.26	13.26	14	2	.16	1.8	1.5	DEPL	2.1X	2	117	1
97	MAY	7	716	24.08	19	26.52	155	14.75	10.31	20	4	.09	.7	.9	INTL	1.6X	4	170	3
97	MAY	7	748	32.51	19	25.73	155	15.30	9.71	17	3	.09	.9	1.0	INTL	1.7X	3	157	3
97	MAY	7	754	2.90	19	25.15	155	14.68	8.44	30	4	.10	.6	.5	INTL	2.0X	4	152	1
97	MAY	7	812	55.86	19	24.16	155	15.82	2.77	19	3	.09	.3	.3	SECL	1.3X	3	120	1
97	MAY	7	838	52.31	19	24.42	155	16.73	10.41	21	4	.10	.8	.7	INTL	1.8X	5	83	1
97	MAY	7	853	2.04	19	25.65	155	16.67	12.67	14	3	.08	1.2	1.0	INTL	1.6X	3	113	1
97	MAY	7	911	23.00	19	25.51	155	16.21	12.44	13	2	.08	1.0	1.1	INTL	1.7X	2	126	2
97	MAY	7	945	10.49	19	25.39	155	17.47	11.40	14	3	.10	.8	.7	INTL	1.6X	1	86	0

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
97	MAY	7	1045	50.29	19	24.28	155	17.04	9.73	15	3	.06	.7	.9	INTL	1.8X	4	119	1
97	MAY	7	1256	56.25	19	24.58	155	15.28	9.26	22	4	.11	.8	.7	INTL	1.8X	4	105	2
97	MAY	7	2159	37.06	19	25.44	155	16.27	8.34	17	3	.09	.7	.6	INTL	1.5X	5	121	2
97	MAY	7	2318	9.44	19	25.37	155	15.14	10.78	12	3	.10	1.7	1.2	INTL	1.5X	4	162	2
97	MAY	8	117	14.64	19	25.71	155	15.96	11.54	14	3	.07	.8	.9	INTL	1.4X	2	141	2
97	MAY	8	331	52.84	19	24.94	155	16.07	10.73	35	5	.11	.4	.4	INTL	2.2X	4	87	2
97	MAY	8	812	11.40	19	25.12	155	16.79	11.59	17	3	.09	.9	.9	INTL	1.7X	4	98	1
97	MAY	8	1032	12.87	19	26.23	155	16.56	11.00	20	3	.11	1.0	.9	INTL	1.7X	4	113	2
97	MAY	8	1215	55.43	19	18.46	155	13.63	9.26	42	7	.11	.4	.5	SF2	1.9X	6	136	7
97	MAY	8	1531	15.28	19	25.19	155	15.51	7.20	27	4	.11	.7	.6	INTL	1.9X	5	153	2
97	MAY	8	1605	58.20	19	22.68	155	16.32	8.03	30	5	.13	.4	.6	INTL	2.0X	5	48	1
97	MAY	8	1617	41.84	19	24.54	155	18.79	6.43	16	3	.11	.6	.9	INTL	2.1X	2	96	3
97	MAY	8	1710	48.35	19	25.54	155	16.61	7.57	19	3	.09	.6	.6	INTL	1.4X	4	105	1
97	MAY	8	1743	57.08	19	25.00	155	16.66	10.50	20	3	.09	.6	.7	INTL	1.5X	4	98	1
97	MAY	8	1820	3.21	19	25.27	155	15.99	6.57	18	3	.09	.6	.7	INTL	1.4X	5	124	2
97	MAY	8	1912	38.11	19	26.44	155	16.48	10.03	23	4	.10	.8	.6	INTL	1.8X	5	118	2
97	MAY	8	2007	54.65	19	25.63	155	16.42	8.40	22	3	.09	.6	.6	INTL	1.7X	5	111	2
97	MAY	8	2142	48.16	20	1.00	156	44.31	26.25	39	2	.14	1.9	4.7	DIS	2.5X	4	307	101
97	MAY	8	2156	13.99	19	26.88	155	15.63	12.64	28	3	.12	.8	.6	INTL	2.1X	6	143	2
97	MAY	9	653	12.96	19	25.57	155	18.71	6.43	40	9	.12	.3	.6	INT	2.0X	7	58	2
97	MAY	9	824	12.03	19	22.21	155	29.98	11.35	32	5	.08	.4	.8	KAO	1.5X	2	41	4
97	MAY	9	828	46.03	20	5.75	156	5.69	38.67	52	10	.12	1.2	1.3	KOHF	3.4X	9	278	33
97	MAY	9	2214	7.99	19	20.05	155	11.04	7.17	42	8	.10	.4	.6	SF3	1.5X	8	86	4
97	MAY	10	135	40.53	19	11.91	155	28.87	4.92	16	4	.18	.5	2.2	LSW	1.7X	1	103	5
97	MAY	10	201	1.91	19	56.49	155	25.57	10.25	9	2	.09	2.3	.7	KEA	1.3X	1	292	10
97	MAY	10	1055	41.93	19	18.59	155	15.38	6.60	31	4	.11	.4	.8	SF1	1.2X	2	103	4
97	MAY	10	1238	18.89	19	18.85	155	13.15	8.87	37	5	.12	.5	.6	SF2	2.2X	3	131	7
97	MAY	10	1257	47.63	19	18.10	155	13.07	6.38	17	5	.08	.5	1.1	SF2	1.6X	3	102	2
97	MAY	10	1921	10.58	19	23.66	155	19.63	2.87	26	2	.09	.3	.8	KAOL	1.8X	5	56	5
97	MAY	10	1938	45.70	19	26.25	155	16.16	13.65	14	3	.13	1.7	1.1	DEPL	1.9X	2	149	3
97	MAY	10	1953	38.11	19	25.85	155	14.94	10.67	12	2	.08	1.4	1.6	INTL	2.0X	3	191	2
97	MAY	10	2006	25.57	19	25.83	155	16.19	10.26	12	2	.05	1.1	1.0	INTL	1.7X	2	136	2
97	MAY	10	2040	0.46	19	25.61	155	16.05	12.75	13	2	.07	1.4	1.3	INTL	2.2X	3	134	2
97	MAY	10	2123	49.88	19	16.59	155	30.36	10.14	40	4	.12	.4	.6	LSW	2.2X	3	73	3
97	MAY	10	2216	5.57	19	24.40	155	15.92	10.20	21	3	.09	.8	.7	INTL	1.6X	5	91	2
97	MAY	11	153	15.23	19	23.87	155	16.08	1.59	27	3	.11	.2	.2	SECL	1.8X	5	71	1
97	MAY	11	649	22.59	19	25.30	155	14.30	13.09	10	2	.09	2.4	1.1	DEPL	1.3X	2	225	1
97	MAY	11	2011	1.52	20	41.33	156	0.01	3.50	51	10	.13	2.2	2.2	DISF	2.8X	8	323	66
97	MAY	11	2159	34.20	19	15.81	155	25.65	8.85	36		.11	.4	.7	LSW	1.3X	3	66	4
97	MAY	11	2214	1.71	18	47.03	155	12.36	41.79	39		.10	3.2	2.4	LOI	2.8X	3	274	50
97	MAY	12	756	45.28	20	23.03	156	12.62	11.85	23	5	.12	8.1	11.0	KOH -	2.3X	1	326	53
97	MAY	12	1541	36.92	19	20.69	155	3.72	5.43	29	2	.09	.7	1.2	SF5	1.8X	3	185	8
97	MAY	12	1657	54.72	19	24.66	155	17.39	8.58	26	4	.12	.6	.6	INTL	2.0X	4	44	1
97	MAY	12	1713	30.96	19	23.46	155	18.26	2.98	15	3	.06	.6	.5	SSCL	1.5X	4	139	2
97	MAY	13	615	50.11	19	17.84	155	13.40	7.98	34	3	.10	.5	.7	SF2	1.5X	5	90	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
97	MAY	14	227	51.12	19	24.69	155	16.29	1.46	21	4	.10	.2	.3	SNCL	1.7X	5	96	1
97	MAY	14	317	51.49	19	25.76	155	15.55	13.50	11	2	.10	1.8	1.4	DEPL	1.8X	2	159	3
97	MAY	14	510	4.25	19	22.72	155	14.51	3.51	16	3	.06	.3	.4	SEC	1.6X	2	80	2
97	MAY	14	517	25.51	19	21.79	155	12.53	3.79	17	3	.07	.5	.4	SER	1.5X	3	101	2
97	MAY	14	517	53.52	19	21.99	155	12.39	3.51	40	8	.11	.3	.3	SER	1.9X	6	77	2
97	MAY	14	521	8.13	19	21.54	155	12.76	2.72	19	4	.08	.3	.4	SER	1.4X	2	85	2
97	MAY	14	521	33.54	19	22.25	155	12.44	4.08	44	7	.13	.4	.5	SER	2.5X	4	78	1
97	MAY	14	523	50.92	19	21.76	155	12.57	3.02	32	9	.11	.3	.3	SER	2.1X	4	84	2
97	MAY	14	813	31.87	19	23.97	155	18.67	2.92	15	3	.07	.6	.6	SSCL	1.6X	4	145	3
97	MAY	14	1002	40.03	19	25.02	155	38.59	2.92	27	3	.11	.6	.5	MLO	2.0X	2	183	2
97	MAY	14	2245	19.90	19	26.33	155	18.35	10.69	11	2	.12	2.0	1.3	INTL	1.9X	2	173	2
97	MAY	15	644	35.46	19	23.98	155	22.31	12.21	26	2	.06	.4	.8	KAO	1.8X	2	50	7
97	MAY	15	734	11.13	19	24.61	155	16.28	10.26	10	2	.06	1.8	1.0	INTL	1.7X	2	141	1
97	MAY	15	2021	37.52	19	21.90	155	13.27	3.04	15	2	.04	.4	.4	SER	1.9X	2	96	1
97	MAY	16	251	34.67	19	34.13	155	41.38	8.80	35	4	.11	.4	.9	MLO	2.0X	3	94	10
97	MAY	16	1228	57.86	19	25.39	155	23.58	11.26	33	3	.11	.4	1.0	KAO	1.5X	4	46	6
97	MAY	17	37	41.02	19	33.86	155	57.87	10.40	47	13	.13	.9	.5	KONF	3.5X	4	214	19
97	MAY	17	223	57.98	19	17.38	155	13.71	4.95	32	3	.10	.4	.9	SSF	1.1X	5	93	1
97	MAY	17	951	52.83	19	23.50	155	15.47	1.10	18	3	.13	.2	.4	SECL	1.3X	3	56	2
97	MAY	17	1414	55.96	19	23.30	155	17.28	3.08	18	4	.09	.4	.3	SSC	1.3X	3	77	1
97	MAY	17	2214	18.82	19	20.49	155	11.56	9.23	41	4	.14	.5	.5	SF3	2.2X	3	76	4
97	MAY	18	412	49.38	18	52.61	155	21.61	33.31	52	13	.09	.9	1.4	LOI	2.1X	8	255	33
97	MAY	18	855	36.84	19	21.81	155	30.23	10.12	47	7	.11	.3	.5	KAO	2.3X	4	32	5
97	MAY	18	920	14.10	19	23.09	155	19.36	2.96	16	4	.07	.5	.9	KAOL	1.5X	4	173	4
97	MAY	19	254	56.35	19	24.82	155	16.07	7.95	25	4	.08	.4	.4	INTT	1.7X	5	105	2
97	MAY	19	440	23.99	19	26.80	155	25.09	12.40	36	3	.10	.4	.6	KAO	1.9X	4	50	6
97	MAY	19	1147	38.63	19	20.48	155	13.31	8.65	44	8	.10	.4	.5	SF2	1.8X	7	62	4
97	MAY	20	224	17.48	19	21.81	155	16.78	12.33	10	4	.06	3.4	1.0	SF1L	1.7X	2	294	2
97	MAY	20	1213	10.59	19	21.30	155	12.96	8.21	39	5	.12	.4	.5	SF2	2.0X	7	73	2
97	MAY	20	1319	4.86	19	21.92	155	52.03	12.69	30	4	.10	1.3	.5	KON	2.0X	4	210	11
97	MAY	20	1809	38.05	19	34.10	155	57.20	13.04	18	2	.13	1.5	.7	KON	1.7X	2	246	18
97	MAY	21	448	55.81	19	19.51	155	8.57	7.50	30	5	.10	.5	.7	SF4	1.9X	6	106	4
97	MAY	21	1119	17.56	20	12.30	155	52.09	33.00	35	5	.11	1.0	1.3	KOH	2.0X	7	306	13
97	MAY	22	254	43.55	19	29.14	154	53.73	2.08	39	6	.14	.9	.4	SLE	2.5X	6	268	3
97	MAY	22	329	41.93	19	9.80	155	30.07	46.92	34	3	.12	1.0	1.4	DLST	1.8X	3	123	4
97	MAY	22	812	51.09	19	19.32	155	11.84	6.45	30	4	.09	.4	.9	SF3	1.4X	5	96	5
97	MAY	22	1358	7.45	19	15.05	155	31.73	34.17	54	13	.07	.5	.9	DLS	2.6X	11	60	3
97	MAY	23	321	27.22	19	19.97	155	7.64	10.13	31	4	.10	.6	.6	SF4	1.4X	4	129	5
97	MAY	23	610	24.15	19	24.33	155	16.57	1.97	17	4	.12	.4	.3	SSCL	1.4X	4	81	1
97	MAY	23	713	33.95	19	23.83	155	16.78	7.41	16	4	.12	.7	.8	INTL	1.7X	4	116	0
97	MAY	23	822	42.27	19	24.42	155	16.88	5.76	18	4	.07	.6	.6	INTL	1.6X	4	117	1
97	MAY	23	859	20.40	19	23.81	155	15.78	8.75	16	4	.13	.8	1.1	INTL	1.6X	3	70	1
97	MAY	23	941	20.74	19	23.55	155	16.31	7.26	16	4	.08	.7	.9	INTL	1.5X	4	83	1
97	MAY	23	1110	13.08	19	23.95	155	15.47	1.08	15	4	.07	.2	.4	SECL	1.4X	3	110	2
97	MAY	23	1242	7.46	19	24.54	155	16.01	9.88	14	3	.11	1.1	1.5	INTL	1.5X	4	96	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
97	MAY	23	1306	49.37	19	19.15	155	30.42	8.00	40	4	.08	.3	.9	KAO	1.9X	5	37	8
97	MAY	23	1506	37.81	19	24.33	155	16.05	0.42	19	4	.13	.2	.4	SECL	1.2X	4	86	1
97	MAY	23	1658	16.80	19	24.15	155	15.71	2.34	15	3	.07	.3	.4	SECL	1.3X	4	122	2
97	MAY	23	1753	23.68	19	23.72	155	16.18	2.62	16	3	.08	.3	.3	SECL	1.6X	4	94	1
97	MAY	23	1835	27.33	19	25.08	155	15.91	3.26	17	4	.12	.4	.6	SNCL	1.4X	4	117	2
97	MAY	23	2002	48.42	19	24.29	155	15.50	9.90	16	3	.08	.7	.9	INTL	1.6X	4	87	2
97	MAY	23	2100	16.87	19	24.15	155	16.92	4.10	17	3	.09	.6	.4	SSCL	1.5X	4	77	1
97	MAY	24	113	6.32	19	9.81	155	40.44	0.74	47	7	.15	.3	.4	LSW	2.5X	8	87	10
97	MAY	24	153	0.21	19	25.50	155	15.27	3.28	18	3	.10	.4	.6	SNCL	1.4X	4	136	2
97	MAY	24	1953	1.25	19	22.80	155	14.45	3.90	21	7	.07	.3	.4	SEC	1.4X	5	82	2
97	MAY	25	702	54.14	19	24.65	155	16.64	1.66	17	3	.09	.3	.2	SNCL	1.6X	3	89	1
97	MAY	25	1045	51.94	19	25.31	155	16.22	1.38	18	3	.10	.2	.4	SNCL	1.3X	4	113	2
97	MAY	25	1541	37.01	19	31.02	155	25.96	2.16	20	4	.11	.5	.6	MLO	1.2X	4	144	3
97	MAY	25	2027	52.41	19	24.75	155	17.28	3.15	17	3	.08	.6	.2	SNCL	1.7X	3	121	1
97	MAY	25	2202	27.99	19	20.82	155	6.97	10.07	41	7	.10	.4	.3	SF4	1.6X	6	135	5
97	MAY	26	228	18.15	19	26.40	155	16.38	3.08	17	3	.08	.3	.4	SNCL	1.6X	4	121	3
97	MAY	26	716	41.82	19	36.10	155	19.15	13.65	44	9	.12	.3	.4	KEA	1.6X	7	109	14
97	MAY	26	940	10.46	19	27.21	155	30.50	12.83	4911		.12	.3	.5	KAO	2.1X	8	47	6
97	MAY	26	1039	33.11	19	19.91	155	8.00	9.84	33	4	.11	.5	.6	SF4	1.4X	4	120	5
97	MAY	26	1228	32.93	19	25.23	155	19.24	6.36	5516		.13	.3	.5	KAO	2.6X	7	45	3
97	MAY	26	1232	46.83	19	25.20	155	19.05	6.83	26	6	.10	.4	.8	KAO	1.6X	5	74	3
97	MAY	26	1246	16.91	19	19.34	155	8.71	8.46	4511		.12	.5	.6	SF4	2.0X	8	101	4
97	MAY	26	1322	48.91	19	25.02	155	19.34	6.16	46	9	.11	.3	.6	KAO	2.1X	7	44	3
97	MAY	26	1825	21.89	19	25.52	155	18.91	7.43	4611		.12	.3	.5	INT	2.1X	6	46	2
97	MAY	27	953	55.32	19	29.04	155	26.67	8.65	44	9	.11	.3	.8	KAO	1.9X	6	63	6
97	MAY	27	1317	33.95	19	22.29	155	8.92	4.37	26	6	.09	.4	.5	SER	1.3X	6	102	2
97	MAY	27	1636	14.17	19	25.57	155	19.48	8.08	41	9	.09	.3	.6	KAO	1.5X	7	52	3
97	MAY	28	210	57.09	19	6.94	155	28.04	31.67	41	3	.08	.6	1.2	DLS	1.7X	4	174	5
97	MAY	28	408	0.61	19	24.29	155	16.50	3.74	15	3	.09	.6	.4	SECL	1.7X	4	105	1
97	MAY	28	652	18.47	19	25.54	155	16.92	9.40	15	4	.09	1.1	1.0	INTL	1.7X	5	106	1
97	MAY	28	1225	7.23	19	23.73	155	15.39	3.59	21	6	.11	.4	.4	SEC	1.5X	5	62	2
97	MAY	28	1844	55.74	19	19.95	155	13.59	8.96	39	3	.12	.5	.6	SF2	1.8X	3	118	5
97	MAY	28	2251	51.58	19	50.92	155	31.35	20.73	37	2	.09	.6	1.6	KEA	2.0X	3	116	10
97	MAY	28	2258	29.29	19	23.39	155	17.01	2.84	14	3	.07	.4	.3	SSC	1.5X	2	76	0
97	MAY	29	12	12.36	19	51.07	155	31.50	21.22	34	2	.09	.6	1.5	KEA	1.6X	2	117	10
97	MAY	29	516	48.01	19	39.73	155	8.14	13.87	37	7	.11	.5	.6	HIL	1.8X	4	169	27
97	MAY	29	528	17.85	19	39.35	155	8.22	21.13	32	4	.11	.6	2.5	HIL	1.7X	4	167	26
97	MAY	30	800	47.94	19	11.10	155	20.46	48.54	24	5	.14	1.7	.8	DEP	1.5X	2	218	9
97	MAY	30	1807	30.13	19	19.79	155	18.46	9.60	11	2	.12	1.1	1.7	SWRL	1.6X	4	203	2
97	MAY	30	2325	46.29	19	20.98	155	5.76	7.17	34	5	.11	.4	.4	SF4	1.7X	6	152	5
97	MAY	31	557	4.33	19	23.40	155	16.80	2.98	12	2	.04	.4	.3	SSC	1.5X	2	59	0
97	MAY	31	1319	6.27	19	17.27	155	13.05	7.11	26	2	.12	.6	1.1	SF2	1.6X	4	150	1
97	MAY	31	1433	0.89	19	21.81	155	12.91	2.75	12	2	.04	.5	.5	SER	1.6X	3	103	2
97	JUN	1	121	54.64	19	6.44	156	23.04	37.16	40	2	.11	2.1	1.8	DIS	2.0X	4	289	57
97	JUN	1	238	25.25	18	55.39	155	26.11	54.85	31	1	.11	3.4	2.7	DLST	2.5X	2	268	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
97	JUN	1	258	55.81	19	26.03	155	18.54	7.07	24	5	.10	.4	.8	INT	1.7X	4	67	2
97	JUN	1	2140	15.32	19	21.23	155	5.53	7.20	36	5	.12	.6	.7	SF4	2.0X	3	153	5
97	JUN	1	2142	23.88	19	21.66	155	5.84	9.15	4210		.11	.6	.5	SF4	2.0X	6	143	4
97	JUN	1	2259	16.10	19	18.02	155	12.96	10.23	36	4	.12	.6	.5	SF2	2.5X	3	143	8
97	JUN	1	2300	21.41	19	17.15	155	12.98	8.47	30	3	.10	.6	.8	SF2	1.8X	4	168	1
97	JUN	1	2308	31.12	19	21.40	155	5.97	9.58	30	3	.08	.6	.6	SF4	1.3X	4	144	5
97	JUN	1	2315	39.81	19	18.33	155	12.80	3.51	25	4	.07	.4	.8	SSF	1.4X	2	104	3
97	JUN	1	2317	30.28	19	17.79	155	12.84	9.52	34	5	.06	.4	.5	SF2	2.1X	3	168	9
97	JUN	1	2334	53.15	19	26.03	155	24.45	9.69	35	5	.11	.4	1.0	KAO	1.4X	4	50	7
97	JUN	2	308	12.13	19	25.91	155	19.56	4.54	19	3	.12	.5	1.2	KAO	1.3X	3	87	4
97	JUN	2	314	38.50	19	25.37	155	20.28	1.93	12	2	.09	.5	1.2	KAO	1.0X	2	105	4
97	JUN	2	335	39.30	19	25.35	155	20.22	2.30	14	2	.07	.5	1.1	KAO	1.1X	3	104	4
97	JUN	2	335	43.26	19	26.28	155	18.49	7.28	21	5	.10	.8	.9	INT	1.6X	2	93	2
97	JUN	2	449	38.76	19	25.77	155	19.36	6.69	27	7	.11	.5	1.1	KAO	1.3X	5	92	3
97	JUN	2	559	18.91	19	25.84	155	19.54	4.04	36	6	.13	.3	.8	KAO	1.6X	5	56	3
97	JUN	2	625	21.30	19	25.57	155	20.17	3.11	19	3	.10	.3	.8	KAO	1.0X	2	69	4
97	JUN	2	625	53.71	19	25.84	155	19.86	3.44	20	4	.13	.4	.8	KAO	1.0X	4	81	4
97	JUN	2	648	15.86	19	25.74	155	19.83	3.08	27	7	.11	.3	.6	KAO	1.4X	6	79	4
97	JUN	2	655	50.58	19	25.74	155	19.03	5.61	26	5	.11	.4	1.0	KAO	1.8X	4	89	3
97	JUN	2	702	40.28	19	25.80	155	20.01	2.40	26	5	.14	.4	.7	KAO	1.0X	4	119	4
97	JUN	2	720	0.08	19	25.44	155	20.46	1.61	13	4	.08	.3	.8	KAO	.7X	2	106	4
97	JUN	2	721	42.22	19	25.88	155	19.57	4.38	37	7	.14	.4	.9	KAOF	1.7X	4	56	4
97	JUN	2	722	12.21	19	25.72	155	20.24	3.60	29	5	.12	.3	.9	KAO	1.7X	4	71	4
97	JUN	2	724	0.47	19	25.38	155	20.24	2.02	4411		.13	.3	.4	KAOF	2.5X	5	79	4
97	JUN	2	724	26.70	19	25.49	155	20.32	1.68	19	5	.08	.3	.6	KAO	2.1X	4	95	4
97	JUN	2	726	6.25	19	25.79	155	19.83	3.60	26	7	.12	.4	.8	KAO	1.8X	5	80	4
97	JUN	2	728	20.05	19	26.07	155	19.50	6.37	4111		.12	.3	.8	KAOF	2.5X	4	59	4
97	JUN	2	729	46.59	19	25.87	155	19.35	5.96	4010		.12	.3	.8	KAOF	2.2X	6	55	3
97	JUN	2	733	28.92	19	25.88	155	19.64	4.95	29	7	.13	.4	1.2	KAO	1.3X	5	85	4
97	JUN	2	734	7.52	19	25.74	155	19.67	3.99	33	6	.13	.3	.8	KAO	1.4X	5	81	4
97	JUN	2	736	39.69	19	25.97	155	19.56	4.97	4812		.12	.3	.7	KAOF	2.8X	4	58	4
97	JUN	2	742	10.60	19	25.95	155	19.41	5.66	4813		.12	.3	.6	KAOF	2.8X	5	56	3
97	JUN	2	744	2.21	19	25.12	155	20.72	1.13	23	5	.10	.3	.6	KAO	1.3X	4	55	5
97	JUN	2	744	17.72	19	25.32	155	20.33	2.69	22	5	.09	.3	.8	KAO	1.5X	5	96	4
97	JUN	2	745	11.73	19	25.88	155	19.17	5.57	37	7	.12	.3	.8	KAO	2.1X	5	53	3
97	JUN	2	748	44.09	19	25.92	155	19.13	5.40	32	6	.12	.4	1.0	KAO	1.8X	6	53	3
97	JUN	2	751	58.85	19	25.63	155	20.14	2.24	27	4	.12	.3	.7	KAO	1.3X	5	71	4
97	JUN	2	754	23.49	19	25.73	155	19.80	4.09	25	4	.12	.4	1.0	KAO	1.2X	4	79	4
97	JUN	2	756	26.32	19	25.93	155	19.50	4.97	29	5	.13	.4	1.2	KAO	1.3X	5	89	3
97	JUN	2	759	42.77	19	24.64	155	20.51	2.08	17	4	.11	.4	.8	KAO	1.0X	5	88	5
97	JUN	2	800	22.83	19	26.57	155	18.92	6.68	21	2	.13	.6	1.1	INT	1.1X	3	104	3
97	JUN	2	802	39.07	19	26.03	155	19.31	3.74	23	5	.13	.4	.8	KAO	1.2X	3	93	3
97	JUN	2	802	55.28	19	25.89	155	19.23	3.74	17	1	.14	.4	.9	KAO	1.6X	3	91	3
97	JUN	2	808	1.89	19	26.11	155	19.46	4.79	30	5	.13	.4	1.1	KAO	1.4X	5	95	3
97	JUN	2	809	18.82	19	26.01	155	20.09	5.31	22	4	.10	.4	1.3	KAO	1.1X	5	81	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
97	JUN	2	815	6.94	19	25.55	155	20.20	1.09	11	3	.08	.4	.8	KAO	.6X	1	106	4
97	JUN	2	815	51.76	19	25.50	155	19.75	3.76	17	4	.07	.6	1.2	KAO	1.0X	3	115	4
97	JUN	2	822	26.69	19	25.38	155	20.22	1.11	22	3	.09	.3	.6	KAO	1.0X	4	65	4
97	JUN	2	825	18.12	19	25.88	155	19.45	4.49	19	4	.13	.5	1.2	KAO	1.3X	2	88	3
97	JUN	2	833	43.55	19	25.61	155	19.30	5.28	34	4	.09	.4	.8	KAO	1.7X	4	89	3
97	JUN	2	834	10.52	19	25.93	155	19.60	5.76	35	6	.12	.4	1.0	KAO	2.0X	3	57	4
97	JUN	2	835	58.36	19	25.79	155	19.14	5.74	37	4	.12	.4	.9	KAO	2.7X	2	90	3
97	JUN	2	845	18.99	19	25.99	155	19.19	5.04	28	4	.13	.4	1.0	KAO	1.7X	2	94	3
97	JUN	2	909	26.53	19	25.94	155	19.68	2.80	21	4	.13	.3	.7	KAO	1.4X	2	87	4
97	JUN	2	918	42.19	19	26.61	155	19.54	4.42	12	4	.10	.7	1.0	KAO	.6X	1	113	3
97	JUN	2	919	36.72	19	25.32	155	20.10	1.63	13	4	.10	.4	.6	KAO	.7X	1	102	4
97	JUN	2	923	13.81	19	25.96	155	19.50	3.55	17	3	.13	.6	.9	KAO	1.2X	3	89	3
97	JUN	2	936	50.81	19	25.42	155	20.07	1.89	34	6	.11	.3	.6	KAO	1.9X	4	90	4
97	JUN	2	949	59.51	19	25.53	155	19.90	2.38	26	4	.11	.3	.7	KAO	1.8X	4	113	4
97	JUN	2	957	0.19	19	25.63	155	19.77	2.45	27	3	.12	.3	.7	KAO	1.4X	4	77	4
97	JUN	2	959	25.20	19	25.64	155	19.32	5.35	35	6	.11	.4	.9	KAO	1.9X	5	51	3
97	JUN	2	1016	33.83	19	26.14	155	19.58	2.84	26	5	.13	.4	.6	KAO	1.4X	5	95	3
97	JUN	2	1022	49.94	19	26.81	155	19.55	6.47	15	2	.09	.6	1.2	KAO	.9X	4	123	2
97	JUN	2	1026	35.67	19	25.30	155	20.36	0.68	24	6	.11	.3	.5	KAO	1.0X	4	67	4
97	JUN	2	1036	23.75	19	25.48	155	20.04	2.65	21	4	.12	.4	.8	KAO	1.0X	4	70	4
97	JUN	2	1038	31.27	19	25.85	155	19.36	4.35	36	6	.13	.3	.8	KAO	1.8X	4	54	3
97	JUN	2	1212	59.51	19	25.78	155	19.83	3.30	35	8	.11	.3	.6	KAO	1.6X	5	57	4
97	JUN	2	1215	8.97	19	25.80	155	19.21	5.65	43	10	.12	.4	.8	KAO	2.1X	6	52	3
97	JUN	2	1215	38.97	19	25.82	155	19.54	3.25	38	8	.12	.3	.5	KAO	2.0X	4	56	3
97	JUN	2	1215	49.07	19	25.57	155	19.76	3.80	33	6	.13	.3	.7	KAO	1.9X	3	75	4
97	JUN	2	1225	35.00	19	25.82	155	19.75	3.44	37	8	.12	.3	.6	KAO	1.5X	6	57	4
97	JUN	2	1226	31.91	19	26.14	155	19.56	5.92	26	6	.13	.4	.9	KAO	1.6X	4	94	3
97	JUN	2	1230	41.68	19	25.99	155	20.08	3.45	22	5	.11	.4	.7	KAO	1.3X	4	81	3
97	JUN	2	1231	27.82	19	25.51	155	20.18	3.15	21	4	.09	.4	.8	KAO	1.2X	3	105	4
97	JUN	2	1232	12.62	19	26.14	155	19.70	3.63	14	4	.12	.6	.8	KAO	.9X	2	136	3
97	JUN	2	1253	49.28	19	25.70	155	20.13	1.62	15	4	.09	.4	.9	KAO	1.1X	2	80	4
97	JUN	2	1258	1.46	19	25.82	155	19.43	2.93	26	5	.13	.3	.6	KAO	1.6X	4	87	3
97	JUN	2	1344	15.25	19	25.77	155	19.14	6.44	11	2	.06	1.2	1.8	KAO	1.1X	2	148	3
97	JUN	2	1348	47.91	19	25.99	155	20.03	2.90	13	5	.13	.5	.6	KAO	.7X	2	101	3
97	JUN	2	1400	57.61	19	25.68	155	19.04	6.33	28	6	.13	.4	1.1	KAO	1.8X	3	87	3
97	JUN	2	1426	20.99	19	25.53	155	20.12	1.76	20	4	.09	.3	.7	KAO	1.3X	3	69	4
97	JUN	2	1508	16.17	19	25.99	155	19.80	2.48	12	4	.11	.4	.7	KAO	.5X	1	109	3
97	JUN	2	1508	20.23	19	24.88	155	21.52	2.15	9		.08	1.3	2.2	KAO	1.4X	2	214	5
97	JUN	2	1541	43.39	19	25.40	155	19.69	3.71	15	3	.07	.7	1.3	KAO	1.0X	2	112	4
97	JUN	2	1604	18.30	19	25.18	155	20.26	1.24	16	4	.07	.3	.8	KAO	1.0X	3	104	5
97	JUN	2	1625	9.72	19	25.55	155	20.07	1.72	15	4	.10	.5	.6	KAO	1.0X	3	109	4
97	JUN	2	1946	5.41	19	26.23	155	19.40	2.82	25	8	.13	.3	.6	KAO	1.5X	4	99	3
97	JUN	2	2245	4.33	19	26.29	155	18.89	6.42	24	6	.10	.4	.8	INT	1.2X	4	98	3
97	JUN	2	2343	5.88	19	25.99	155	19.28	5.43	48	11	.12	.3	.7	KAOF	2.2X	6	56	3
97	JUN	2	2352	6.12	19	26.10	155	19.20	5.15	37	6	.11	.4	.9	KAO	1.8X	4	56	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
97	JUN	2	2353	2.10	19	26.16	155	19.56	3.35	25	5	.12	.4	.6	KAO	1.5X	4	95	3
97	JUN	2	2359	32.07	19	25.97	155	20.09	2.13	11	3	.08	.6	.9	KAO	.4X	1	114	3
97	JUN	3	3	16.44	19	25.17	155	20.22	1.87	18	6	.09	.3	.7	KAO	1.0X	3	104	5
97	JUN	3	14	8.66	19	26.41	155	18.64	6.71	14	3	.10	.9	1.4	INT	1.2X	3	98	3
97	JUN	3	204	49.38	19	26.08	155	19.58	2.64	22	3	.13	.4	.7	KAO	1.6X	3	92	3
97	JUN	3	223	20.59	19	26.27	155	18.96	6.05	17	4	.13	.5	1.1	INT	1.2X	3	98	3
97	JUN	3	249	22.09	19	26.20	155	19.51	2.48	18	4	.13	.5	.7	KAO	1.3X	3	98	3
97	JUN	3	309	55.07	19	26.46	155	19.42	3.84	12	1	.10	.5	.8	KAO	1.0X	1	109	3
97	JUN	3	357	27.49	19	25.98	155	19.55	2.92	20	6	.12	.4	.6	KAO	1.0X	4	89	4
97	JUN	3	404	25.26	19	25.31	155	20.48	1.26	12	4	.08	.5	.6	KAO	.7X	2	196	4
97	JUN	3	404	49.82	19	25.74	155	20.18	1.53	12	3	.08	.4	.6	KAO	.7X	2	111	4
97	JUN	3	441	28.89	19	26.28	155	19.73	3.10	14	3	.13	.6	.7	KAO	.8X	4	98	3
97	JUN	3	449	23.21	19	26.68	155	19.79	3.02	16	5	.14	.7	.4	KAO	1.0X	2	112	2
97	JUN	3	533	12.94	19	25.74	155	20.19	1.70	23	6	.12	.3	.7	KAO	1.2X	5	111	4
97	JUN	3	552	15.34	19	27.28	155	18.97	1.61	12	3	.13	.7	.6	SNC	.9X	1	135	3
97	JUN	3	619	42.43	19	54.05	155	57.68	45.68	43	7	.11	.9	1.0	HUA	2.3X	4	225	27
97	JUN	3	1033	36.06	19	25.81	155	20.26	1.15	24	7	.10	.3	.5	KAO	1.3X	4	72	3
97	JUN	3	1138	26.48	19	26.00	155	19.24	4.77	18	4	.10	.4	1.3	KAO	1.7X	4	95	3
97	JUN	3	1140	10.77	19	25.67	155	20.21	1.46	28	7	.10	.2	.5	KAO	1.5X	5	109	4
97	JUN	3	1206	11.07	19	26.16	155	18.85	5.16	27	5	.11	.4	1.0	INT	2.0X	3	94	3
97	JUN	3	1206	27.75	19	26.51	155	19.33	2.96	17	2	.13	.4	.6	KAO	1.9X	3	111	3
97	JUN	3	1207	49.07	19	26.05	155	19.23	4.71	37	5	.11	.4	.9	KAO	2.2X	2	56	3
97	JUN	3	1208	6.36	19	27.01	155	19.34	2.83	17	3	.13	.5	.6	KAO	2.5X	1	126	3
97	JUN	3	1213	4.89	19	25.86	155	20.03	1.20	22	7	.11	.3	.6	KAO	1.1X	4	67	4
97	JUN	3	1214	26.16	19	26.17	155	19.56	3.06	28	6	.12	.3	.5	KAO	1.7X	4	95	3
97	JUN	3	1223	54.08	19	25.88	155	19.97	2.40	22	5	.12	.4	.7	KAO	1.2X	4	79	3
97	JUN	3	1336	13.24	19	25.86	155	20.03	2.51	30	6	.12	.3	.6	KAO	1.5X	5	78	3
97	JUN	3	1350	6.49	19	26.27	155	18.98	5.44	12	3	.08	1.6	1.5	INT	1.2X	3	139	3
97	JUN	3	1350	48.17	19	14.30	155	8.21	39.12	31	3	.10	1.3	1.5	DEP	1.6X	2	217	6
97	JUN	3	1351	5.90	19	26.73	155	18.49	5.84	9	1	.07	1.2	2.2	INT	1.3X	3	146	3
97	JUN	3	1422	0.72	19	25.41	155	20.27	1.70	30	6	.07	.2	.6	KAO	1.4X	4	100	4
97	JUN	3	1517	34.97	19	25.85	155	19.60	3.58	44	12	.14	.3	.6	KAO	2.0X	5	56	4
97	JUN	3	1526	12.90	19	25.78	155	19.53	4.10	15	3	.08	.5	1.2	KAO	1.3X	3	93	3
97	JUN	3	1610	35.50	19	25.33	155	20.21	1.54	16	4	.08	.3	.8	KAO	1.3X	3	104	4
97	JUN	3	1627	30.70	19	25.71	155	20.02	2.11	24	6	.13	.3	.7	KAO	.9X	5	74	4
97	JUN	3	1721	53.36	19	25.40	155	20.22	1.77	14	3	.10	.4	1.1	KAO	1.1X	2	101	4
97	JUN	3	1732	3.13	19	26.01	155	19.41	5.20	53	14	.11	.3	.6	KAOF	2.7X	5	57	3
97	JUN	3	1735	50.93	19	26.14	155	19.38	4.49	44	8	.13	.3	.8	KAO	2.1X	5	59	3
97	JUN	3	1739	41.50	19	25.14	155	19.11	5.98	25	5	.10	.4	.9	KAO	1.1X	5	72	3
97	JUN	3	1747	15.74	19	25.96	155	18.93	5.74	19	3	.11	.5	1.2	INT	1.3X	4	92	3
97	JUN	3	1811	28.36	19	25.29	155	20.16	2.13	37	7	.12	.3	.6	KAO	1.6X	5	64	4
97	JUN	3	1848	14.15	19	25.72	155	19.27	4.72	20	4	.11	.4	1.1	KAO	1.6X	3	85	3
97	JUN	3	1857	36.58	19	25.80	155	19.73	2.51	20	4	.13	.5	.8	KAO	1.3X	4	82	4
97	JUN	3	1937	37.90	19	25.99	155	19.66	2.37	20	3	.13	.4	.7	KAO	1.2X	3	88	3
97	JUN	3	1939	20.50	19	25.99	155	19.60	2.70	21	3	.14	.4	.7	KAO	1.5X	4	89	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
97	JUN	3	1945	48.60	19	26.10	155	18.63	6.14	19	3	.12	.7	1.3	INT	1.4X	3	91	2
97	JUN	3	2345	53.38	19	26.43	155	19.59	3.01	15	5	.10	.4	.6	KAO	.7X	2	104	3
97	JUN	4	121	0.33	19	25.72	155	20.68	1.05	15	4	.08	.3	.6	KAO	.9X	3	109	3
97	JUN	4	317	22.23	19	27.39	155	19.65	4.48	13	4	.07	1.0	.8	KAO	.7X	3	173	2
97	JUN	4	333	47.08	19	24.38	155	20.66	3.29	11	3	.10	.7	2.0	KAO	.6X	1	183	6
97	JUN	4	333	58.28	19	25.84	155	20.09	2.43	13	3	.08	.8	.9	KAO	1.0X	1	114	3
97	JUN	4	443	52.55	19	26.02	155	19.60	3.36	11	3	.09	1.3	.9	KAO	.5X	1	173	3
97	JUN	4	2246	49.42	19	26.04	155	19.00	6.79	37	9	.11	.4	.6	INT	1.7X	7	54	3
97	JUN	5	644	20.75	19	29.20	155	41.98	10.23	43	8	.11	.4	.6	MLO	1.7X	7	106	7
97	JUN	5	1548	36.55	19	20.29	155	4.13	7.21	37	3	.11	.6	.8	SF5	1.6X	5	182	8
97	JUN	6	657	11.72	19	25.81	155	19.60	7.40	46	12	.12	.3	.6	KAO	2.2X	6	55	4
97	JUN	6	749	10.65	19	20.30	155	7.43	7.98	47	12	.11	.4	.5	SF4	2.0X	8	131	5
97	JUN	7	2321	53.92	19	20.44	155	7.04	8.08	44	9	.10	.4	.5	SF4	1.5X	8	137	5
97	JUN	8	853	36.42	19	23.19	155	17.13	3.27	21	5	.09	.4	.3	SSC	1.6X	3	69	0
97	JUN	9	243	24.07	19	22.85	155	14.71	3.79	20	7	.08	.3	.4	SEC	1.6X	4	106	2
97	JUN	9	611	22.84	19	23.84	155	16.48	7.90	16	4	.10	.8	.7	INTL	1.8X	4	74	0
97	JUN	9	704	15.22	19	35.32	156	23.52	5.27	52	11	.12	1.3	1.2	DIS	2.9X	8	275	51
97	JUN	10	156	53.71	19	12.39	155	34.95	7.47	38	6	.18	.6	1.0	LSW	1.9X	4	87	6
97	JUN	10	1740	43.92	19	22.92	155	14.74	3.18	19	3	.08	.3	.4	SEC	2.0X	2	74	2
97	JUN	11	232	37.65	19	12.76	155	36.64	8.20	36	6	.17	.4	.9	LSW	2.0X	3	82	4
97	JUN	11	1931	7.65	19	20.86	155	30.03	10.89	28	2	.09	.4	.9	KAO	1.7X	2	48	5
97	JUN	11	2338	5.87	19	24.88	155	38.50	0.66	30	7	.11	.3	.3	MLO	1.6X	2	105	2
97	JUN	12	441	36.07	19	27.25	155	29.59	11.32	37	6	.10	.3	.7	KAO	1.9X	4	73	9
97	JUN	12	1400	2.22	19	24.52	155	15.60	2.33	16	4	.08	.3	.4	SECL	1.5X	4	139	2
97	JUN	12	1824	27.80	19	17.28	155	30.97	5.47	36	3	.13	.4	1.7	LSW	1.6X	5	82	4
97	JUN	12	2130	47.17	19	22.75	155	14.60	3.46	19	6	.08	.3	.4	SEC	1.4X	4	78	2
97	JUN	12	2144	52.23	19	23.32	155	14.45	4.06	45	8	.13	.3	.4	SEC	2.5X	6	66	3
97	JUN	13	3	19.15	19	20.32	155	13.41	8.02	36	4	.10	.4	.6	SF2	1.3X	5	62	4
97	JUN	13	155	47.29	19	21.58	155	12.81	2.51	28	8	.09	.3	.3	SER	1.4X	5	84	2
97	JUN	13	455	44.44	19	23.32	155	14.75	3.69	42	11	.12	.3	.3	SEC	2.2X	7	54	3
97	JUN	13	508	4.88	19	22.97	155	14.79	3.53	21	7	.09	.3	.4	SEC	1.6X	4	73	2
97	JUN	13	545	54.61	19	22.86	155	14.75	3.69	23	7	.08	.3	.4	SEC	1.5X	4	69	2
97	JUN	13	606	34.39	19	22.86	155	14.82	2.97	21	7	.09	.3	.3	SEC	1.4X	5	72	2
97	JUN	13	1248	2.34	19	52.25	155	22.36	18.91	48	11	.09	.6	1.1	KEA	2.1X	8	111	4
97	JUN	13	1300	39.27	19	38.56	155	8.32	22.45	39	7	.09	.8	1.9	HIL	1.7X	6	191	25
97	JUN	14	1310	13.12	19	25.13	155	19.44	6.89	37	7	.12	.3	.8	KAO	1.7X	6	46	3
97	JUN	14	1543	7.72	19	25.62	155	19.49	6.53	40	8	.09	.3	.7	KAO	2.0X	6	52	3
97	JUN	14	2039	52.52	18	54.02	155	16.75	30.93	37	4	.13	1.4	2.2	LOIL	2.2X	3	255	35
97	JUN	14	2208	27.39	19	7.85	155	23.77	44.58	43	7	.08	.8	1.1	LOIT	1.7X	6	183	8
97	JUN	14	2353	54.65	19	18.31	155	12.99	9.62	46	10	.12	.4	.5	SF2	1.8X	8	138	8
97	JUN	15	1110	23.40	19	20.20	155	7.60	9.01	52	11	.12	.3	.3	SF4	2.4X	6	128	5
97	JUN	15	1218	19.19	19	26.83	155	48.04	10.35	30		.10	.5	.5	KON	1.5X	4	90	13
97	JUN	16	227	18.07	19	47.88	156	9.56	9.34	51	11	.10	.7	.9	HUAF	3.1X	8	255	36
97	JUN	17	2328	46.92	20	6.26	155	33.66	38.88	42	2	.10	1.0	2.1	KEA	2.0X	5	218	23
97	JUN	18	2004	38.77	19	26.25	155	52.54	13.50	26	4	.10	1.2	.5	KON	1.8X	2	237	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
97	JUN	21	1024	7.81	19	16.47	155	29.58	9.26	35	2	.14	.3	.8	LSW	1.4X	4	54	3
97	JUN	21	1200	37.74	19	25.53	155	15.89	4.51	17	3	.07	.4	.6	SNCL	1.8X	4	137	2
97	JUN	21	1512	14.73	19	23.98	155	15.72	8.30	17	3	.08	.7	.9	INTL	1.7X	4	79	2
97	JUN	21	1557	24.87	19	19.76	155	7.06	8.65	32	4	.08	.5	.7	SF4	1.4X	5	145	5
97	JUN	21	2024	4.97	19	20.11	155	19.31	4.80	24	4	.08	.4	1.2	SWR	1.4X	5	55	3
97	JUN	21	2336	9.91	19	25.08	155	38.75	2.94	37	8	.11	.3	.4	MLO	1.6X	6	110	2
97	JUN	21	2355	35.99	19	21.67	155	30.29	9.94	48	12	.10	.3	.5	KAO	1.9X	9	38	5
97	JUN	22	1646	49.37	19	25.22	155	18.96	6.39	39	7	.12	.3	.7	INT	1.7X	6	43	2
97	JUN	22	2141	14.17	19	26.34	155	28.69	10.99	42	8	.11	.3	.9	KAO	1.6X	7	51	7
97	JUN	22	2343	44.09	19	11.17	155	28.57	33.60	50	16	.08	.6	.8	DLS	2.6X	9	86	3
97	JUN	23	445	7.84	19	19.88	155	7.92	6.84	31	4	.09	.5	.8	SF4	1.2X	6	123	5
97	JUN	23	2255	8.33	19	23.46	155	14.93	3.60	39	4	.11	.3	.3	SEC	2.6X	2	47	2
97	JUN	25	634	22.74	19	25.49	155	16.02	9.64	10	2	.07	1.2	1.9	INTL	1.5X	2	131	2
97	JUN	25	1442	36.69	19	23.55	155	16.76	1.94	18	5	.09	.3	.3	SSC	1.3X	3	76	0
97	JUN	25	1714	7.98	19	23.48	155	15.25	2.97	17	3	.09	.3	.4	SEC	1.6X	2	85	2
97	JUN	26	16	19.63	19	21.68	155	11.95	2.92	16	2	.06	.4	.6	SER	1.8X	2	105	3
97	JUN	26	135	21.32	19	4.42	155	24.84	39.68	19	4	.12	1.9	1.4	LOIL	1.8X	1	273	18
97	JUN	26	139	46.21	19	4.23	155	25.80	47.42	30	4	.12	1.6	1.1	DLST	2.1X	3	243	10
97	JUN	26	301	45.40	19	21.72	155	12.92	2.62	16	3	.06	.4	.5	SER	1.7X	2	82	2
97	JUN	26	1158	17.24	19	11.51	155	28.26	7.99	36	4	.13	.5	.7	LSW	2.1X	3	113	4
97	JUN	27	140	56.29	19	20.76	155	11.74	9.44	47	13	.11	.4	.4	SF3	1.8X	7	82	4
97	JUN	27	755	35.11	19	38.77	156	33.13	35.81	38	5	.11	1.5	2.6	DIS	2.2X	5	309	75
97	JUN	27	1338	49.23	19	24.94	155	38.27	2.83	29	5	.12	.3	.4	MLO	1.4X	3	71	1
97	JUN	27	1543	29.90	19	24.83	155	37.99	3.03	42	7	.12	.3	.4	MLO	2.3X	7	98	1
97	JUN	27	1759	56.23	19	19.59	155	8.53	7.47	39	5	.10	.5	.6	SF4	1.5X	5	107	4
97	JUN	28	705	43.33	19	29.03	154	54.13	2.45	18	3	.08	1.3	.3	SLE	1.5X	4	278	3
97	JUN	29	138	13.09	19	51.57	155	22.40	17.80	26	4	.09	.9	1.5	KEA	1.7X	4	154	5
97	JUN	29	243	21.91	19	20.37	155	11.00	9.17	30	4	.07	.4	.6	SF3	1.3X	5	80	4
97	JUN	29	247	59.22	19	20.31	155	13.23	7.60	31	3	.11	.4	.8	SF2	1.5X	4	64	4
97	JUN	29	1208	14.25	19	20.50	155	7.23	9.11	35	4	.09	.5	.4	SF4	1.4X	5	133	5
97	JUN	29	1409	34.12	19	51.30	155	30.10	31.62	32	1	.13	.9	1.6	KEA	2.2X	3	166	9
97	JUN	29	2212	43.11	20	5.12	155	46.74	25.54	41	4	.10	1.3	1.7	KOH	2.4X	3	171	5
97	JUN	30	430	51.78	19	29.59	155	29.84	2.65	39	7	.10	.3	.9	KAO	2.2X	8	97	6
97	JUN	30	547	39.48	19	21.13	155	4.02	9.16	39	2	.12	.7	.4	SF5F	5.1D	1	173	8
97	JUN	30	553	54.75	19	21.84	155	4.74	8.29	23	3	.08	.6	.9	SF5	2.0X	3	155	6
97	JUN	30	601	32.04	19	20.30	155	4.17	2.76	24	3	.10	.6	1.3	SSF	1.4X	4	185	8
97	JUN	30	603	20.06	19	23.72	155	4.42	8.62	45	10	.11	.5	.4	SF5	2.9X	6	133	6
97	JUN	30	607	25.34	19	21.09	155	5.63	8.77	21	5	.07	.6	.8	SF4	1.6X	4	153	5
97	JUN	30	609	14.75	19	20.71	155	4.52	8.99	25	3	.09	.7	.9	SF5	1.6X	5	174	7
97	JUN	30	609	32.07	19	20.79	155	4.14	9.45	29	4	.11	1.2	.6	SF5	1.6X	4	280	8
97	JUN	30	611	25.05	19	20.40	155	4.14	9.35	25	3	.10	.6	.5	SF5	1.6X	4	183	8
97	JUN	30	613	17.38	19	22.05	155	3.18	8.83	41	11	.14	.6	.6	SF5	1.9X	8	171	8
97	JUN	30	654	2.07	19	20.13	155	3.76	8.17	46	12	.11	.4	.4	SF5	2.1X	8	193	9
97	JUN	30	655	24.87	19	20.59	155	4.46	7.70	27	3	.10	.6	1.0	SF5	1.7X	5	176	8
97	JUN	30	705	27.87	19	20.03	155	3.90	9.59	17	5	.08	.8	1.1	SF5	1.8X	2	193	9

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	PREF MAG	RD	GAP	DS
97	JUN	30	712	38.50	19	20.45	155	4.62	9.53	12	5	.09	.7	1.3	SF5	1.2X	2	176	7
97	JUN	30	727	41.31	19	20.45	155	4.34	7.92	19	3	.06	.7	1.0	SF5	1.7X	3	180	8
97	JUN	30	734	31.22	19	23.48	155	3.74	9.95	11	2	.07	2.0	1.2	SF5	1.6X	2	166	7
97	JUN	30	807	37.08	19	20.68	155	4.04	9.22	33	3	.09	.7	.6	SF5	1.7X	4	181	8
97	JUN	30	813	29.37	19	21.10	155	8.19	8.80	36	7	.09	.4	.5	SF4	2.0X	3	111	3
97	JUN	30	857	21.91	19	20.19	155	7.93	6.45	25	3	.11	.5	.8	SF4	1.2X	3	121	5
97	JUN	30	932	54.77	19	18.96	155	9.07	5.24	14	6	.05	.5	1.6	SF4	.9X	1	129	4
97	JUN	30	1012	28.54	19	22.09	155	2.58	8.31	34	6	.13	.7	.5	SF5	2.0X	2	178	9
97	JUN	30	1053	41.75	19	23.21	155	4.43	9.17	23	3	.11	.6	.8	SF5	1.2X	5	140	6
97	JUN	30	1213	7.18	19	20.17	155	13.26	7.18	23	3	.06	.4	.9	SF2	1.2X	4	125	5
97	JUN	30	2004	6.14	19	25.03	155	38.87	2.90	16	5	.06	.5	.3	MLO	1.4X	1	112	2
97	JUN	30	2043	8.67	19	20.08	155	4.61	8.82	18	4	.06	.7	.9	SF5	1.5X	3	183	8
97	JUN	30	2322	52.94	19	21.29	155	6.45	7.33	33	6	.11	.5	.6	SF4	1.4X	6	138	4
97	JUL	1	28	2.10	19	20.74	155	4.09	5.98	36	6	.12	.6	1.0	SF5	2.0X	3	177	8
97	JUL	1	243	50.28	19	21.04	155	6.78	9.66	33	4	.12	.6	.5	SF4	1.4X	3	136	4
97	JUL	1	618	21.90	19	23.68	155	3.93	9.76	4611		.10	.5	.4	SF5	2.2X	7	139	7
97	JUL	1	1933	2.63	19	20.90	155	3.67	10.10	22	5	.09	.7	.9	SF5	1.6X	1	188	8
97	JUL	1	2055	58.72	19	19.86	155	8.96	9.27	37	7	.09	.4	.5	SF4	1.9X	5	98	4
97	JUL	2	839	33.70	19	19.77	155	6.54	8.79	30	4	.06	.7	.4	SF4	1.6X	3	155	5
97	JUL	2	1200	9.64	19	20.33	155	2.13	6.49	19	1	.06	.9	1.6	SF5	1.5X	2	209	11
97	JUL	2	1253	20.90	19	21.39	155	4.57	6.69	41	6	.14	.6	.8	SF5	1.9X	3	163	6
97	JUL	2	1316	2.88	19	21.14	155	5.33	7.49	37	4	.10	.5	.7	SF4	1.8X	4	157	6
97	JUL	2	1805	13.91	19	19.47	155	11.52	8.30	17	5	.05	.5	1.2	SF3	1.9X	2	96	6
97	JUL	2	1948	28.10	19	24.79	155	26.62	2.75	27	5	.11	.3	.9	KAO	1.4X	3	65	5
97	JUL	3	59	16.38	19	19.49	155	6.52	8.64	28	4	.09	.4	.6	SF4	1.5X	3	161	5
97	JUL	3	201	30.76	19	21.15	155	5.91	9.33	43	9	.10	.4	.4	SF4	1.6X	7	149	5
97	JUL	3	306	44.51	19	11.59	155	42.08	9.03	37	5	.13	.5	.7	LSW	2.6X	4	72	8
97	JUL	3	946	42.31	19	41.83	156	9.49	41.46	39	6	.10	1.7	1.8	HUA	2.3X	3	288	46
97	JUL	3	1549	40.38	19	20.49	155	3.96	9.04	41	8	.11	.6	.5	SF5	1.8X	7	185	8
97	JUL	3	1727	33.16	19	23.14	155	14.79	3.74	40	9	.10	.3	.3	SEC	2.2X	6	67	2
97	JUL	3	1747	0.61	19	20.61	155	11.22	9.04	39	5	.10	.4	.5	SF3	1.7X	4	75	4
97	JUL	3	1858	13.00	19	17.49	155	26.02	11.33	38	3	.10	.4	.7	LSW	1.2X	5	57	7
97	JUL	4	39	33.87	19	25.82	155	17.08	15.73	43	9	.10	.4	.3	DEP	1.7X	7	69	1
97	JUL	4	815	32.28	19	47.68	155	19.78	28.55	5013		.12	.6	1.0	KEA	2.1X	9	145	11
97	JUL	4	1137	10.07	19	18.94	155	12.81	8.01	36	3	.09	.4	.6	SF2	1.2X	5	91	4
97	JUL	4	1308	51.93	19	19.88	155	8.29	7.60	40	7	.09	.4	.6	SF4	1.3X	6	113	5
97	JUL	4	1340	15.98	19	17.56	155	13.17	6.48	35	4	.11	.4	.8	SF2	1.3X	6	116	1
97	JUL	4	1625	40.63	19	20.92	155	4.56	6.95	39	5	.11	.5	.7	SF5	1.5X	7	171	7
97	JUL	4	1746	3.18	19	27.28	155	29.36	10.28	36	2	.11	.4	1.2	KAO	1.3X	4	48	8
97	JUL	4	1936	50.80	19	12.06	155	42.27	9.57	36	5	.16	.6	.8	LSW	2.1X	6	149	8
97	JUL	4	1942	30.12	19	20.54	155	4.30	8.30	40	7	.10	.4	.4	SF5	1.6X	6	179	8
97	JUL	5	108	4.40	19	25.35	155	29.27	9.45	42	6	.09	.3	.9	KAO	1.5X	7	51	6
97	JUL	5	714	30.59	19	22.01	155	6.08	8.38	36	6	.10	.5	.5	SF4	1.4X	6	136	4
97	JUL	5	1638	37.10	19	18.23	155	13.21	7.42	34	4	.10	.5	.8	SF2	1.2X	5	93	2
97	JUL	5	1829	43.95	19	17.68	155	13.27	7.41	32	4	.09	.5	.8	SF2	1.3X	6	104	1

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	PREF MAG	RD	GAP	DS
97	JUL	5	2058	8.61	20	6.28	155	47.57	21.87	28	5	.12	1.0	1.2	KOH	1.7X	3	202	3
97	JUL	7	849	28.56	19	20.08	155	0.82	9.57	29	4	.08	.9	.7	SF5	1.9X	5	221	10
97	JUL	7	901	57.92	20	5.38	155	31.60	31.55	5110		.10	.8	1.6	KEAF	3.3X	10	216	27
97	JUL	7	1652	2.44	19	18.22	155	13.14	8.35	45	9	.11	.4	.6	SF2	2.0X	9	96	2
97	JUL	8	1906	5.56	19	16.13	155	28.53	11.17	30	5	.10	.4	1.0	LSW	1.9X	3	62	3
97	JUL	8	2155	47.09	19	15.62	155	25.51	9.16	23	4	.10	.5	.8	LSW	1.2X	2	120	4
97	JUL	9	448	33.79	19	20.80	155	13.37	8.63	5015		.13	.3	.5	SF2	1.9X	8	59	3
97	JUL	9	736	42.19	19	20.03	155	23.80	33.49	5717		.10	.5	.8	DEP	2.6X	10	71	1
97	JUL	9	1109	32.88	19	18.97	155	11.67	5.67	38	6	.11	.4	1.1	SF3	1.4X	6	108	5
97	JUL	9	1232	50.54	19	19.04	155	11.37	7.80	36	6	.10	.4	.7	SF3	2.2X	3	108	5
97	JUL	9	1925	15.71	19	19.87	155	4.50	9.26	21	4	.06	.6	.8	SF5	1.5X	3	187	8
97	JUL	9	2042	32.70	19	19.87	155	7.80	8.52	25	3	.06	.6	.8	SF4	1.5X	3	126	5
97	JUL	10	501	25.16	19	21.40	155	21.98	9.48	26	3	.10	.4	1.0	SWR	1.4X	2	59	3
97	JUL	10	729	39.28	19	20.96	155	5.41	7.73	22	4	.08	.6	.9	SF4	1.7X	2	158	6
97	JUL	10	1018	31.22	19	30.23	155	53.40	12.32	24	4	.14	1.0	.6	KON	1.9X	2	213	21
97	JUL	10	1151	17.47	19	20.27	155	4.41	8.33	16	3	.04	.8	1.2	SF5	1.6X	3	183	8
97	JUL	10	1202	44.32	19	17.27	155	37.62	6.61	39	5	.12	.3	1.0	LSW	2.8X	4	65	4
97	JUL	10	2330	20.71	19	21.05	155	6.39	8.29	22	4	.08	.5	.8	SF4	1.1X	3	142	5
97	JUL	11	423	37.22	19	48.59	155	35.43	13.61	36	8	.11	.6	.4	KEA	1.8X	3	188	14
97	JUL	11	1004	21.80	19	17.59	155	12.86	9.79	41	7	.12	.5	.6	SF2	2.4X	5	149	9
97	JUL	11	1653	44.38	20	4.52	155	29.75	15.94	39	4	.12	1.2	3.3	KEA	2.0X	3	220	26
97	JUL	11	2244	44.63	19	25.61	155	17.20	10.38	13	2	.06	1.1	1.1	INTL	1.7X	3	96	1
97	JUL	12	722	10.11	19	19.98	155	7.36	8.06	23	2	.07	.9	1.0	SF4	1.6X	3	198	5
97	JUL	12	1245	36.49	19	25.00	155	19.57	6.35	22	5	.08	.4	1.0	KAO	1.5X	3	66	4
97	JUL	12	2006	11.00	19	25.20	155	16.37	10.62	12	3	.05	1.3	.9	INTL	1.6X	2	111	1
97	JUL	12	2237	25.17	19	22.06	155	30.33	11.55	35	2	.07	.4	.8	KAO	1.7X	3	44	5
97	JUL	12	2323	47.06	19	37.53	155	27.05	27.78	34	6	.09	.5	1.0	KEA	1.7X	2	83	4
97	JUL	13	1422	10.63	20	5.22	155	49.66	21.93	24	6	.10	1.3	1.5	KOH	2.0X	1	225	7
97	JUL	13	1500	45.07	19	19.66	155	7.74	7.61	27	5	.07	.5	.7	SF4	1.7X	3	128	4
97	JUL	13	2253	28.91	19	20.66	155	9.74	7.50	29	5	.09	.5	.7	SF3	1.4X	3	86	3
97	JUL	15	929	47.43	19	10.61	155	26.22	5.78	25	6	.09	.5	1.0	LSW	1.5X	3	173	4
97	JUL	15	2347	46.28	19	23.14	155	14.62	3.15	14	3	.05	.4	.5	SEC	1.5X	2	112	3
97	JUL	17	623	32.36	19	30.03	155	23.47	14.54	36	5	.09	.4	.4	DML	2.3X	5	84	1
97	JUL	17	1500	25.74	19	28.74	155	25.36	5.95	5218		.14	.3	.7	KAOF	2.8X	9	67	4
97	JUL	18	647	22.73	19	25.28	155	16.84	10.11	14	2	.07	.9	.9	INTL	1.6X	2	101	1
97	JUL	18	938	7.87	19	20.18	155	10.97	6.53	18		.12	1.3	1.2	SF3	1.5X	3	225	4
97	JUL	18	1205	13.38	19	15.47	155	22.24	6.88	19	1	.09	.6	1.3	SWR	1.5X	2	178	4
97	JUL	19	606	44.11	19	21.22	155	1.42	8.82	22	5	.11	1.6	1.2	SF5	1.9X	3	224	9
97	JUL	19	2116	58.63	19	29.52	155	26.30	5.11	33	7	.12	.3	1.4	KAO	1.8X	5	87	5
97	JUL	20	1135	1.89	19	16.49	155	13.14	11.80	26		.11	1.0	.6	SF2	1.6X	3	187	10
97	JUL	20	2211	17.05	19	19.81	155	12.99	8.79	32	3	.11	.6	.8	SF2	1.6X	3	166	5
97	JUL	20	2220	8.96	19	26.03	155	22.29	11.85	30	6	.08	.4	.8	KAO	1.4X	3	56	4
97	JUL	21	517	34.73	19	20.17	155	8.05	8.68	30	5	.09	1.1	.5	SF4	1.8X	4	194	5
97	JUL	21	559	41.54	19	29.38	155	28.25	6.80	30	8	.09	.4	1.4	KAO	1.6X	4	84	5
97	JUL	21	1832	2.00	18	58.33	154	16.21	7.28	28	3	.12	7.4	9.7	DIS -	2.4X	4	334	89

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	JUL	21	1835	51.31	19	22.66	155	25.75	13.16	33	3	.10	.4	.8	DML	1.6X	4	46	3
97	JUL	21	2222	4.10	19	25.34	155	19.34	6.04	20	4	.09	.4	1.1	KAO	1.4X	3	74	3
97	JUL	22	658	51.02	19	19.34	155	5.77	6.89	20	6	.09	1.3	1.6	SF4	1.7X	3	225	8
97	JUL	22	1448	46.85	19	17.58	155	16.24	7.90	30	4	.07	.5	.7	SF1	1.3X	2	146	4
97	JUL	22	1619	58.45	19	17.76	155	13.80	6.37	19	3	.09	.8	1.2	SF2	1.5X	2	116	1
97	JUL	22	2142	29.93	19	53.84	155	45.67	9.94	29	4	.12	.5	.6	HUA	2.3X	4	156	25
97	JUL	23	2128	4.47	19	46.14	156	5.54	5.15	18	3	.12	1.5	1.5	HUA	1.9X	1	312	28
97	JUL	23	2240	58.75	19	41.26	156	12.15	13.44	33	7	.13	2.2	2.5	HUA	1.9X	3	298	38
97	JUL	24	117	59.42	19	19.83	155	10.90	6.85	20	5	.06	.4	.9	SF3	1.5X	2	91	5
97	JUL	24	315	43.51	19	32.52	155	55.71	13.01	28	4	.11	1.2	.5	KON	1.9X	4	232	19
97	JUL	24	806	24.93	19	19.93	155	11.35	8.96	20	2	.07	.5	.9	SF3	1.6X	2	87	5
97	JUL	24	827	46.66	19	24.62	155	15.92	12.30	12	2	.06	1.3	1.4	INTL	2.0X	2	143	2
97	JUL	24	2205	59.73	19	18.41	155	14.16	10.75	44	7	.12	.4	.5	SF2	2.8X	3	132	6
97	JUL	25	29	32.74	19	17.65	155	14.10	6.36	24	4	.09	.5	.8	SF2	1.4X	2	139	2
97	JUL	25	228	42.22	19	26.30	155	28.55	9.99	29	4	.09	.4	1.1	KAO	1.7X	4	69	7
97	JUL	25	1211	7.49	19	19.74	155	13.67	7.24	33	4	.12	.4	.8	SF2	1.8X	3	67	5
97	JUL	25	1241	41.67	20	3.26	155	54.39	11.37	24	5	.10	1.3	.5	KOH	2.2X	2	247	16
97	JUL	25	1513	21.01	19	20.73	155	5.79	10.44	29	3	.08	.6	.5	SF4	1.4X	5	156	6
97	JUL	25	1536	57.55	19	26.47	155	19.19	7.22	34	6	.10	.4	.6	KAO	1.9X	5	63	3
97	JUL	25	2011	25.09	19	20.50	155	5.96	9.81	32	2	.09	.5	.5	SF4	1.4X	5	155	6
97	JUL	25	2340	0.69	19	21.41	155	6.53	10.32	43	9	.08	.5	.4	SF4	2.1X	8	136	4
97	JUL	25	2341	57.46	19	21.65	155	7.05	10.39	43	11	.12	.5	.4	SF4	2.2X	6	126	3
97	JUL	26	245	57.89	19	25.35	155	17.33	8.55	16	4	.09	1.0	.7	INTL	1.8X	5	100	0
97	JUL	26	537	19.92	19	19.69	155	9.25	9.24	31	5	.08	.5	.5	SF3	1.5X	5	91	5
97	JUL	26	701	34.57	19	20.23	155	19.35	3.98	30	6	.10	.3	.9	SWR	1.4X	6	54	3
97	JUL	26	1057	3.43	19	25.18	155	15.88	7.45	15	4	.06	1.1	.7	INTL	1.6X	4	159	2
97	JUL	26	1213	0.19	19	21.42	155	8.15	9.47	40	7	.09	.4	.4	SF4	1.8X	6	110	3
97	JUL	26	1810	35.67	19	25.41	155	16.90	9.86	15	4	.08	.9	.9	INTL	2.0X	5	102	1
97	JUL	26	1841	4.77	19	26.54	155	30.52	11.03	39	8	.09	.4	.7	KAO	1.9X	8	44	8
97	JUL	26	2011	23.59	19	20.67	155	11.64	9.68	45	12	.11	.4	.4	SF3	2.3X	8	166	4
97	JUL	26	2207	50.69	19	24.15	155	15.86	3.37	33	8	.10	.2	.2	SEC	2.0X	7	82	1
97	JUL	27	0	32.33	19	26.04	155	16.74	9.58	18	4	.13	.9	.8	INTL	1.9X	5	106	2
97	JUL	27	353	10.82	19	24.29	155	16.90	13.17	19	4	.11	1.3	.9	DEPL	1.8X	5	78	1
97	JUL	27	535	49.00	19	20.49	155	13.41	9.86	30	3	.10	.6	.5	SF2	1.5X	5	175	4
97	JUL	27	655	15.78	19	24.64	155	16.28	0.74	17	3	.10	.2	.3	SNCL	1.2X	4	94	1
97	JUL	27	737	27.76	19	24.75	155	16.09	5.03	19	4	.10	.5	.6	INTL	1.6X	5	102	2
97	JUL	27	812	46.73	19	20.14	155	7.29	8.77	34	5	.08	.9	.5	SF4	1.4X	5	192	6
97	JUL	27	1241	54.66	19	24.92	155	15.88	6.03	23	5	.12	.4	.6	INTL	2.1X	5	113	2
97	JUL	27	1934	8.43	19	20.67	155	11.28	7.63	42	10	.13	.4	.5	SF3	1.8X	9	166	4
97	JUL	27	1956	42.65	19	24.20	155	17.12	10.20	20	5	.10	.9	.8	INTL	2.3X	6	124	1
97	JUL	27	2145	2.06	19	24.82	155	16.26	6.92	19	3	.08	.5	.5	INTL	1.3X	5	101	1
97	JUL	27	2149	12.43	19	25.40	155	19.83	7.32	36	10	.10	.3	.7	KAO	1.6X	8	57	4
97	JUL	28	428	15.96	19	24.33	155	15.52	3.19	15	3	.11	.4	.5	SECL	1.2X	3	89	2
97	JUL	28	637	6.94	19	25.58	155	15.08	11.86	23	7	.09	1.0	.6	INTL	2.2X	6	141	2
97	JUL	28	1150	48.08	19	24.62	155	15.78	3.14	22	6	.10	.3	.4	SNCL	1.8X	6	102	2

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ		PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	JUL	28	1210	10.96	19	20.21	155	11.39	9.69	34	4	.07	.5	.6	SF3	1.5X	5	105	4
97	JUL	28	1619	46.98	19	25.09	155	15.20	6.70	19	4	.09	.6	.8	INTL	2.0X	5	143	2
97	JUL	28	1755	33.04	19	19.93	155	7.93	9.58	48	13	.10	.5	.3	SF4	2.4X	9	122	5
97	JUL	28	1817	1.26	19	23.26	155	16.74	9.23	19	4	.10	1.1	.8	INTL	2.0X	5	111	0
97	JUL	28	1928	19.54	19	23.92	155	16.63	2.90	16	3	.08	.5	.3	SSCL	1.4X	5	99	0
97	JUL	28	1957	8.21	19	24.97	155	15.96	1.09	21	4	.11	.2	.4	SNCL	2.0X	5	113	2
97	JUL	28	2003	46.57	19	24.45	155	16.08	4.95	18	3	.10	.5	.6	SECL	1.6X	5	91	1
97	JUL	28	2008	51.58	19	24.24	155	16.20	2.93	18	3	.11	.4	.3	SECL	1.6X	5	83	1
97	JUL	28	2012	3.45	19	24.57	155	16.48	6.97	15	4	.09	1.0	.8	INTL	1.8X	2	89	1
97	JUL	28	2016	2.84	19	23.96	155	16.82	9.27	14	3	.13	.9	1.0	INTL	2.0X	3	75	0
97	JUL	28	2018	32.60	19	22.71	155	17.81	6.71	13	3	.08	.8	.9	INTL	1.6X	3	153	2
97	JUL	28	2021	52.23	19	24.77	155	16.78	9.06	14	2	.06	.7	1.0	INTL	2.0X	3	91	0
97	JUL	28	2025	37.28	19	25.24	155	16.33	10.16	12	2	.12	1.7	1.5	INTL	2.0X	3	113	1
97	JUL	28	2029	3.87	19	24.25	155	16.99	7.77	21	6	.07	.6	.6	INTL	1.9X	6	122	1
97	JUL	28	2032	54.62	19	23.96	155	16.89	10.64	23	7	.10	.9	.7	INTL	2.0X	6	71	1
97	JUL	28	2036	52.00	19	24.20	155	17.13	9.07	22	7	.09	.7	.6	INTL	1.9X	6	124	1
97	JUL	28	2040	11.71	19	24.09	155	17.82	6.05	22	6	.10	.5	.6	INTL	1.8X	6	77	2
97	JUL	28	2043	27.81	19	24.64	155	16.88	7.38	14	2	.15	1.1	.9	INTL	2.2X	2	86	1
97	JUL	28	2044	42.38	19	24.71	155	16.53	9.06	14	3	.08	1.0	1.0	INTL	1.9X	2	96	1
97	JUL	28	2053	29.83	19	24.67	155	18.01	6.26	14	2	.11	.7	.8	INTL	1.7X	3	87	2
97	JUL	28	2100	31.07	19	23.96	155	19.14	5.23	18	6	.07	.5	1.0	KAOL	1.8X	6	170	4
97	JUL	28	2106	59.89	19	24.13	155	17.61	6.71	18	3	.10	.6	.5	INTL	1.7X	5	133	2
97	JUL	28	2110	32.34	19	24.78	155	16.38	9.56	19	6	.12	.9	.7	INTL	2.0X	6	98	1
97	JUL	28	2116	14.87	19	24.32	155	16.12	8.15	21	6	.10	.7	.7	INTL	2.0X	6	86	1
97	JUL	28	2119	36.65	19	24.92	155	16.63	7.32	19	4	.08	.6	.6	INTL	1.7X	5	96	1
97	JUL	28	2126	7.45	19	24.50	155	16.49	7.21	22	6	.11	.6	.5	INTL	2.0X	6	87	1
97	JUL	28	2131	49.45	19	24.67	155	16.24	2.75	19	3	.10	.3	.3	SNCL	1.5X	6	96	1
97	JUL	28	2138	58.18	19	23.82	155	17.36	7.70	19	5	.08	.9	.7	INTL	1.6X	6	129	1
97	JUL	28	2152	10.09	19	24.82	155	16.36	6.27	19	3	.10	.5	.6	INTL	1.6X	5	99	1
97	JUL	28	2156	37.28	19	24.60	155	16.14	3.69	19	3	.12	.4	.4	SNCL	1.6X	5	96	2
97	JUL	28	2205	37.58	19	24.95	155	17.30	9.67	15	2	.09	.8	.9	INTL	1.8X	2	84	1
97	JUL	28	2218	14.09	19	24.24	155	16.81	8.92	13	2	.09	.9	1.0	INTL	1.5X	2	78	1
97	JUL	28	2239	22.12	19	24.84	155	16.65	7.02	20	5	.08	.6	.5	INTL	1.9X	6	94	1
97	JUL	28	2248	14.84	19	24.43	155	16.54	8.07	12	1	.06	.8	1.3	INTL	1.7X	1	85	1
97	JUL	28	2253	30.66	19	24.50	155	16.02	10.10	15	3	.07	.8	.8	INTL	1.8X	2	93	2
97	JUL	28	2301	45.51	19	24.30	155	16.19	5.77	14	3	.10	.6	.9	INTL	1.8X	1	84	1
97	JUL	28	2314	48.89	19	24.49	155	16.54	8.21	13	2	.10	.9	1.2	INTL	1.8X	2	86	1
97	JUL	28	2321	19.55	19	24.18	155	17.24	6.67	13	2	.10	.9	1.0	INTL	1.7X	2	79	1
97	JUL	28	2329	38.25	19	24.66	155	15.99	3.59	16	3	.10	.4	.5	SNCL	1.4X	4	100	2
97	JUL	28	2338	54.35	19	24.38	155	17.83	9.76	14	3	.10	1.2	1.1	INTL	2.3X	3	146	2
97	JUL	28	2342	48.95	19	25.24	155	16.34	8.99	16	3	.09	.8	.8	INTL	1.9X	4	113	1
97	JUL	29	5	15.65	19	24.60	155	17.06	7.87	16	3	.08	.9	.7	INTL	2.1X	4	126	1
97	JUL	29	15	21.97	19	25.30	155	15.95	9.41	14	2	.12	1.3	1.0	INTL	2.0X	3	126	2
97	JUL	29	21	47.51	19	25.36	155	17.31	9.92	11	2	.09	1.4	1.0	INTL	1.8X	2	99	1
97	JUL	29	23	48.09	19	21.41	155	6.87	9.99	48	12	.11	.5	.4	SF4	2.9X	6	172	4

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	JUL	29	33	53.69	19	20.17	155	7.45	6.81	23	3	.11	.6	.9	SF4		1.5X	2	140	5
97	JUL	29	35	57.88	19	24.46	155	16.89	7.98	16	3	.10	.8	1.0	INTL		2.0X	4	81	1
97	JUL	29	44	44.31	19	24.33	155	16.58	8.32	14	2	.04	.7	.9	INTL		1.7X	3	114	1
97	JUL	29	112	42.89	19	24.34	155	17.45	7.99	13	1	.05	.7	.9	INTL		2.0X	3	81	1
97	JUL	29	133	26.57	19	24.52	155	17.32	8.60	12	2	.05	.9	.9	INTL		1.7X	3	131	1
97	JUL	29	135	20.78	19	21.14	155	6.75	9.26	46	10	.11	.4	.4	SF4		2.0X	7	135	4
97	JUL	29	148	1.40	19	24.30	155	17.56	4.27	18	3	.10	.6	.4	SSCL		1.8X	5	75	1
97	JUL	29	205	19.86	19	24.29	155	16.96	5.88	16	3	.10	.8	.7	INTL		1.5X	5	122	1
97	JUL	29	218	45.88	19	24.17	155	16.63	6.57	18	3	.08	.7	.6	INTL		1.7X	4	106	0
97	JUL	29	230	30.58	19	19.74	155	11.92	9.54	38	6	.09	.4	.4	SF3		1.9X	6	143	6
97	JUL	29	242	44.52	19	25.33	155	18.32	8.55	14	2	.14	1.1	1.1	INTL		2.1X	2	93	1
97	JUL	29	303	34.41	19	24.64	155	17.44	8.40	14	2	.07	.7	.8	INTL		1.8X	2	81	1
97	JUL	29	335	49.19	19	24.19	155	16.24	7.95	14	2	.10	1.0	.8	INTL		1.7X	2	80	1
97	JUL	29	414	46.36	19	23.74	155	17.34	4.18	13	2	.14	.6	.7	SSCL		1.5X	3	80	1
97	JUL	29	528	33.50	19	24.35	155	17.16	6.21	16	3	.10	.5	.5	INTL		1.7X	2	79	1
97	JUL	29	636	57.95	19	24.32	155	16.65	7.96	18	3	.08	.8	.7	INTL		2.1X	5	110	1
97	JUL	29	736	7.49	19	24.63	155	17.27	9.67	14	3	.07	.9	.9	INTL		1.8X	4	80	1
97	JUL	29	800	58.37	19	20.77	155	5.95	8.81	20	3	.06	.6	.8	SF4		1.2X	3	153	6
97	JUL	29	900	46.84	19	23.95	155	15.76	2.11	19	3	.13	.3	.4	SECL		1.8X	5	73	1
97	JUL	29	1021	13.87	19	24.18	155	17.14	5.51	13	3	.13	1.0	.7	INTL		1.8X	2	130	1
97	JUL	29	1037	1.12	19	20.65	155	4.38	9.13	19	3	.07	.6	.9	SF5		1.8X	3	176	8
97	JUL	29	1127	21.97	19	24.07	155	15.81	3.26	17	3	.11	.3	.4	SECL		1.5X	5	78	1
97	JUL	29	1311	17.72	19	23.43	155	15.13	8.22	12	3	.12	1.0	1.6	INTL		2.4X	2	182	2
97	JUL	29	1423	48.78	19	24.30	155	15.89	1.98	16	3	.09	.3	.4	SECL		1.1X	4	126	1
97	JUL	29	1537	26.39	19	23.23	155	16.41	1.74	11	3	.13	.5	.3	SECL		1.6X	2	90	1
97	JUL	29	2002	6.31	19	30.19	155	27.15	5.97	34	7	.08	.3	1.0	MLO		1.6X	7	82	3
97	JUL	29	2032	54.03	19	24.98	155	16.05	3.85	14	4	.10	.5	.4	SNCL		2.2X	2	159	2
97	JUL	29	2034	48.73	19	24.24	155	15.57	1.74	18	4	.10	.3	.4	SECL		2.0X	4	85	2
97	JUL	30	109	33.08	19	24.17	155	16.48	8.34	11	2	.07	.7	.8	INTL		2.2X	2	141	1
97	JUL	30	149	51.32	19	22.40	155	19.41	2.57	9	2	.06	1.3	1.0	KAOL		2.1X	1	299	5
97	JUL	30	1143	31.93	19	25.22	155	39.16	2.87	18	3	.07	.8	.6	MLO		1.9X	1	203	3
97	JUL	30	1641	13.27	19	19.11	155	1.05	8.09	22	5	.07	1.1	1.1	SF5		1.6X	3	234	12
97	JUL	31	1836	20.20	19	20.67	155	12.19	9.45	37	6	.09	.4	.4	SF3		1.6X	4	118	4
97	JUL	31	1918	7.55	19	3.79	156	16.96	37.37	43	8	.10	1.2	1.7	KON		2.5X	8	287	49
97	JUL	31	1948	26.35	19	19.70	155	13.63	8.68	45	10	.13	.4	.6	SF2		2.3X	7	121	5
97	JUL	31	2108	28.18	19	17.33	155	29.62	9.53	33	1	.12	.4	.9	LSW		1.7X	6	75	10
97	JUL	31	2151	52.88	19	21.66	155	6.94	8.22	36	7	.10	.4	.3	SF4		1.8X	6	128	3
97	AUG	1	1044	22.75	19	25.79	155	19.66	8.32	24	5	.08	.5	.7	KAO		1.8X	4	82	4
97	AUG	1	1123	9.34	19	19.26	155	13.29	9.60	37	5	.12	.5	.6	SF2		2.2X	4	125	6
97	AUG	1	1212	38.48	19	19.17	155	13.22	9.49	37	6	.11	.5	.7	SF2		2.0X	4	126	6
97	AUG	1	1253	47.13	19	21.88	155	28.40	10.32	37	4	.11	.4	.7	KAO		1.8X	4	53	2
97	AUG	1	1639	4.43	18	56.05	155	32.95	42.57	40	7	.09	1.3	1.2	DLS		2.5X	5	246	13
97	AUG	2	1013	10.15	19	36.22	155	14.95	33.97	32	7	.10	1.2	.8	KEA		2.0X	4	198	16
97	AUG	2	1446	14.27	19	11.64	155	42.58	9.61	24	4	.14	.6	1.4	LSW		1.8X	3	87	7
97	AUG	2	1740	11.87	19	40.93	156	33.97	11.98	33	7	.13	7.6	10.6	DIS	-	2.4X	4	315	76

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC	REMKS	MAG	RD	GAP	DS
97	AUG	2	1838	48.30	19	21.33	155	6.07	7.24	21	3	.11	.6	.8	SF4		1.4X	4	144	5
97	AUG	3	1038	17.94	19	23.38	155	2.65	8.28	28	4	.14	1.5	.5	SF5		1.8X	3	192	8
97	AUG	5	154	4.29	19	21.35	155	2.33	8.61	27	3	.09	1.5	.6	SF5		1.9X	3	218	9
97	AUG	5	1216	43.98	19	25.72	155	15.95	12.74	15	4	.06	1.3	1.0	INTL		1.8X	3	142	2
97	AUG	5	1348	4.68	19	20.66	155	17.17	31.35	18	4	.08	1.3	1.1	DEP		1.9X	2	139	1
97	AUG	5	1806	12.89	19	20.33	155	10.83	8.11	30	3	.10	.6	.6	SF3		1.5X	3	121	4
97	AUG	6	355	32.15	19	19.76	155	3.83	4.56	25	3	.13	.9	6.6	SSF		1.7X	3	197	8
97	AUG	6	807	30.16	19	24.57	155	14.79	13.05	14	3	.08	1.3	.8	DEPL		1.8X	2	130	1
97	AUG	6	927	38.40	19	19.07	155	8.74	8.81	21	3	.07	.6	.9	SF4		1.6X	3	119	3
97	AUG	6	1139	21.75	19	0.91	155	39.53	44.61	31	6	.09	.9	1.0	DLS		2.3X	2	134	4
97	AUG	6	1304	31.98	19	28.88	155	17.59	12.69	40	8	.09	.5	.4	GLN		2.3X	5	93	3
97	AUG	6	1322	4.25	19	19.93	155	10.77	7.47	31	4	.09	.5	.6	SF3		1.8X	3	126	4
97	AUG	6	1825	53.51	19	16.08	155	25.53	7.72	21	2	.11	.4	1.2	LSW		1.2X	2	78	4
97	AUG	6	2224	44.72	19	25.48	155	16.61	12.95	13	3	.13	2.1	1.0	INTL		1.6X	2	111	1
97	AUG	7	117	45.65	19	21.95	156	30.52	36.41	38	3	.10	1.6	1.9	DIS		2.6X	4	308	68
97	AUG	7	452	43.73	19	23.29	155	14.47	3.89	36	4	.11	.3	.4	SECF		2.2X	3	65	3
97	AUG	7	509	48.38	19	22.95	155	14.61	3.29	17	4	.07	.4	.4	SEC		1.5X	2	78	2
97	AUG	7	1218	5.08	19	24.37	155	16.15	6.50	13	3	.06	.7	.6	INTL		1.9X	1	130	1
97	AUG	7	2208	41.50	19	20.95	155	7.35	8.77	32	6	.09	.5	.5	SF4		2.1X	4	128	4
97	AUG	8	24	55.24	19	26.76	155	29.58	10.39	32	6	.08	.3	.8	KAO		1.6X	5	69	7
97	AUG	8	854	31.90	19	10.95	155	37.65	9.75	35	4	.19	.5	1.2	LSW		1.9X	3	93	7
97	AUG	8	1103	40.06	19	15.93	155	27.53	11.57	40	7	.12	.4	.8	LSWF		2.7X	3	68	7
97	AUG	8	1524	41.46	19	13.70	155	33.27	0.82	32	5	.14	.4	.6	LSWF		2.1X	4	121	12
97	AUG	8	1818	19.48	19	26.72	155	16.85	9.39	10	2	.05	1.2	.7	INTL		1.8X	2	206	3
97	AUG	8	2135	8.40	19	23.98	155	18.46	5.07	11	1	.16	1.4	1.6	INTL		1.8X	1	157	3
97	AUG	9	940	53.52	19	20.39	155	11.17	8.68	28	4	.12	.6	.8	SF3		1.7X	3	86	4
97	AUG	9	1015	47.27	19	24.18	155	16.89	14.54	33	4	.11	.6	.3	DEP		1.8X	2	75	1
97	AUG	9	1256	56.05	19	24.70	155	16.16	13.27	12	3	.10	1.5	1.0	DEPL		1.9X	2	152	2
97	AUG	9	2326	8.79	18	45.28	155	3.64	13.02	35	3	.14	4.7	7.1	LOI		2.0X	3	286	60
97	AUG	10	624	28.62	19	24.77	155	16.81	12.54	10	2	.04	2.0	1.1	INTL		1.9X	3	121	0
97	AUG	10	654	25.61	19	25.20	155	29.46	10.78	29	3	.06	.4	1.0	KAO		1.8X	3	57	6
97	AUG	10	1342	4.23	19	19.48	155	8.09	6.78	19	4	.09	.7	1.1	SF4		1.8X	2	171	4
97	AUG	10	1939	53.17	19	14.72	155	33.17	8.18	35	1	.15	.6	1.2	LSW		2.2X	4	111	7
97	AUG	11	201	46.63	19	26.33	155	16.27	9.60	11	2	.06	1.2	1.3	INTL		1.8X	2	146	3
97	AUG	11	759	14.71	19	23.42	155	15.12	3.16	19	4	.09	.3	.4	SEC		1.5X	2	60	2
97	AUG	11	1051	54.50	19	25.33	155	15.87	7.45	11	2	.04	.7	1.0	INTL		1.8X	2	131	2
97	AUG	11	1550	11.38	19	58.35	155	34.06	4.90	24	3	.13	.6	1.1	KOH		1.7X	1	163	24
97	AUG	11	1859	32.54	19	24.21	155	18.42	9.04	10	1	.14	1.8	2.1	INTL		2.0X	2	162	3
97	AUG	12	219	25.41	19	20.95	155	5.97	8.73	22	4	.07	.6	.7	SF4		1.3X	2	150	5
97	AUG	12	1457	25.35	19	58.20	155	19.83	36.33	29		.10	1.1	2.3	KEA		2.0X	5	209	9
97	AUG	12	1649	2.57	19	18.60	155	1.65	39.10	39	5	.10	1.4	.8	DEP		2.1X	4	227	11
97	AUG	13	3	47.31	19	15.66	155	29.03	2.80	28	4	.19	.5	1.8	LSW		1.1X	2	80	9
97	AUG	13	208	25.56	19	26.12	155	17.13	13.51	13	3	.07	1.7	1.0	DEPL		2.0X	3	104	2
97	AUG	13	1614	25.35	19	25.58	155	18.06	11.84	14	3	.10	1.3	.8	INTL		2.2X	2	88	1
97	AUG	13	1615	12.33	19	25.03	155	17.11	7.31	12	2	.08	1.4	.8	INTL		1.7X	3	147	0

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
97	AUG	13	1648	58.41	20	4.02	156	48.75	37.52	30	4	.11	1.7	3.4	DIS	2.4X	2	314	108
97	AUG	13	1805	32.44	19	19.72	155	12.47	8.10	38	6	.13	.5	.6	SF2	1.8X	4	82	5
97	AUG	14	224	39.09	19	20.17	155	9.91	7.21	29	5	.07	.4	.7	SF3	1.7X	3	82	4
97	AUG	14	451	34.03	19	21.34	155	6.00	6.88	25	2	.12	.7	.9	SF4	1.3X	3	144	5
97	AUG	14	516	38.26	19	25.83	155	15.64	10.65	14	3	.09	1.3	1.2	INTL	1.9X	2	158	3
97	AUG	14	622	9.45	19	19.60	155	9.16	8.22	34	6	.09	.4	.6	SF3	1.8X	3	92	5
97	AUG	14	1554	38.64	19	20.03	155	6.90	8.93	45	6	.12	.6	.4	SF4F	4.5D	1	145	5
97	AUG	14	1633	23.40	19	19.92	155	6.89	9.44	42	10	.10	.5	.4	SF4	1.9X	9	146	5
97	AUG	14	1657	12.45	19	19.94	155	6.98	7.83	26	5	.08	.5	.7	SF4	1.3X	5	144	5
97	AUG	14	1706	53.50	19	19.87	155	8.28	10.37	36	8	.09	.5	.5	SF4	2.0X	7	113	5
97	AUG	14	1711	39.83	19	19.87	155	6.80	8.85	30	5	.08	.5	.6	SF4	1.5X	5	149	5
97	AUG	14	1722	23.06	19	19.52	155	7.55	7.60	38	7	.09	.4	.6	SF4	1.7X	6	134	4
97	AUG	14	1925	28.30	19	19.16	155	8.52	7.70	32	6	.10	.5	.7	SF4	1.7X	7	106	3
97	AUG	14	2054	4.86	19	24.99	155	16.14	1.02	22	4	.12	.2	.3	SNCL	1.6X	4	110	2
97	AUG	15	18	47.64	19	20.65	155	7.14	9.71	36	6	.11	.5	.5	SF4	1.4X	7	134	5
97	AUG	15	56	6.25	19	19.95	155	8.41	9.25	31	5	.10	.6	.6	SF4	1.5X	6	110	5
97	AUG	15	113	2.09	19	20.11	155	7.68	7.81	30	5	.11	.5	.7	SF4	1.3X	5	127	5
97	AUG	15	121	46.74	19	20.87	155	7.36	9.00	37	7	.11	.5	.6	SF4	1.7X	7	127	5
97	AUG	15	836	11.77	19	20.08	155	6.80	8.66	22	4	.08	.6	.7	SF4	1.3X	2	146	5
97	AUG	15	954	22.78	19	24.72	155	17.34	11.95	12	2	.14	1.5	1.7	INTL	1.7X	2	109	1
97	AUG	15	1029	34.30	19	47.32	155	35.58	14.53	41	5	.10	.4	.4	KEA	2.2X	6	93	14
97	AUG	15	1046	59.94	19	19.58	155	6.70	8.92	32	5	.10	.6	.6	SF4	1.5X	5	155	5
97	AUG	15	1320	49.25	19	16.82	155	12.81	7.87	28	2	.08	.6	.9	SF2	1.3X	5	160	1
97	AUG	15	1612	31.66	19	23.30	155	14.81	8.51	15	3	.11	1.0	1.2	INTL	2.2X	4	106	3
97	AUG	15	1707	49.10	19	30.28	155	27.18	2.81	31	4	.09	.3	.6	MLO	1.9X	5	119	3
97	AUG	16	117	5.21	19	12.32	155	21.60	47.85	38	4	.10	.9	1.2	DEP	2.1X	3	177	6
97	AUG	16	428	39.66	19	19.08	155	13.62	8.16	33	3	.12	.5	.8	SF2	1.8X	3	69	4
97	AUG	16	1117	48.74	19	59.22	155	31.68	42.82	39	4	.10	1.6	1.1	KEA	2.2X	4	273	22
97	AUG	16	1242	5.41	19	59.38	155	29.21	37.99	32	2	.08	1.0	1.6	KEA	1.9X	6	189	19
97	AUG	16	1304	47.26	19	19.93	155	7.68	9.91	42	8	.10	.4	.3	SF4	2.2X	8	128	5
97	AUG	16	2154	25.44	19	25.35	155	15.93	6.20	20	4	.10	.5	.7	INTL	1.7X	5	120	2
97	AUG	17	111	57.84	19	19.73	155	8.16	9.61	39	5	.12	.5	.4	SF4	1.7X	6	117	4
97	AUG	17	116	9.72	19	10.88	155	37.41	7.18	39	5	.13	.5	1.3	LSW	2.1X	6	94	15
97	AUG	17	706	18.23	19	28.03	155	27.61	7.71	42	13	.11	.3	1.0	KAO	2.0X	8	52	7
97	AUG	17	1058	41.57	19	24.84	155	29.34	10.04	33	4	.10	.3	1.1	KAO	1.3X	5	43	5
97	AUG	18	1438	33.88	19	19.75	155	8.91	8.48	36	6	.11	.5	.6	SF4	1.5X	5	99	5
97	AUG	18	1710	0.24	19	25.18	155	38.83	2.89	18	3	.10	.5	.6	MLO	1.3X	1	112	2
97	AUG	18	1733	21.42	19	24.05	155	16.35	5.93	16	3	.11	.8	.9	INTL	1.8X	4	107	1
97	AUG	18	2341	43.90	19	20.53	155	11.34	8.86	25	4	.09	.5	.8	SF3	1.6X	3	77	4
97	AUG	19	536	28.27	19	20.84	155	11.17	8.23	27	2	.14	.7	1.0	SF3	1.4X	3	85	3
97	AUG	19	612	16.25	19	20.17	155	11.77	9.89	39	6	.11	.5	.4	SF3	2.3X	4	81	5
97	AUG	19	1342	6.90	19	23.98	155	17.60	9.96	12	3	.11	.9	1.3	INTL	2.0X	3	144	2
97	AUG	19	1345	34.72	19	25.26	155	17.62	7.87	12	1	.11	1.0	1.3	INTL	1.9X	2	132	0
97	AUG	19	1715	3.02	19	22.13	155	30.08	10.89	32	4	.07	.4	.7	KAO	1.5X	3	53	4
97	AUG	19	1743	59.68	19	24.76	155	1.76	3.63	32	5	.09	.6	1.1	SME	1.9X	2	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
97	AUG	20	403	32.72	19	25.50	155	16.97	12.04	13	2	.10	1.1	.7	INTL	2.0X	3	102	1
97	AUG	20	1159	6.65	19	20.57	155	6.78	8.90	40	4	.11	.5	.4	SF4	2.4X	4	141	5
97	AUG	20	1553	0.35	19	24.78	155	15.79	6.43	14	3	.13	.7	1.0	INTL	2.0X	2	109	2
97	AUG	20	1912	0.96	19	21.63	155	5.00	7.97	34	4	.10	.4	.5	SF5	1.8X	3	155	6
97	AUG	21	413	19.83	19	50.13	155	22.53	30.47	39	6	.09	.6	1.1	KEA	1.9X	5	137	7
97	AUG	21	2032	6.90	19	25.50	155	15.36	8.48	14	4	.12	.9	.8	INTL	1.5X	2	157	2
97	AUG	21	2156	20.47	19	51.00	156	5.82	45.24	30	6	.09	1.1	1.5	HUA	2.1X	2	252	33
97	AUG	22	206	31.46	19	20.22	155	19.43	3.58	18	5	.09	.4	.9	SWR	1.2X	2	109	4
97	AUG	22	423	38.28	19	23.63	155	16.63	3.25	30	3	.12	.3	.3	SSC	2.3X	3	58	0
97	AUG	22	536	19.67	19	23.52	155	16.86	3.14	18	3	.07	.4	.3	SSC	1.5X	3	68	0
97	AUG	22	540	14.53	19	24.42	155	15.48	38.00	29	5	.08	1.0	1.1	DEP	2.2X	3	94	2
97	AUG	23	711	7.65	19	26.80	155	20.23	9.45	41	9	.09	.3	.5	KAO	1.9X	7	73	2
97	AUG	23	1309	37.98	19	24.14	155	16.21	9.43	13	3	.09	1.7	.9	INTL	2.2X	2	97	1
97	AUG	23	1319	41.25	19	24.78	155	16.11	3.69	11	2	.09	.7	.6	SNCL	1.5X	2	146	2
97	AUG	23	2109	50.63	20	3.05	155	48.80	22.36	19	4	.10	1.5	2.4	KOH	2.0X	1	207	9
97	AUG	23	2124	43.78	19	13.16	155	19.65	51.01	26	5	.11	1.3	1.3	DEPL	1.9X	3	206	8
97	AUG	24	339	43.07	19	21.23	155	10.76	9.90	25	3	.09	.6	.6	SF3	1.5X	3	76	2
97	AUG	24	420	48.34	19	19.67	155	11.71	9.61	28	3	.10	.6	.8	SF3	1.7X	4	90	5
97	AUG	24	2129	48.52	19	24.89	155	15.79	6.53	14	2	.12	.9	1.0	INTL	1.8X	2	114	2
97	AUG	25	940	35.09	19	21.47	155	6.22	8.44	27	3	.11	.5	.6	SF4	1.7X	3	140	4
97	AUG	26	236	57.87	19	28.46	155	36.76	15.51	16	5	.11	1.0	.6	DML	1.5X	1	118	2
97	AUG	26	823	42.85	19	19.88	155	6.18	8.54	25	3	.08	.7	.5	SF4	1.5X	3	161	6
97	AUG	26	2112	33.18	19	24.84	155	16.51	7.69	11	4	.11	.8	.6	INTL	2.0X	2	97	1
97	AUG	28	1333	31.98	19	21.22	155	5.92	9.37	38	5	.11	.5	.4	SF4	2.2X	4	147	5
97	AUG	28	1334	32.06	19	19.76	155	8.64	6.98	22	5	.05	.4	.7	SF4	1.7X	4	104	5
97	AUG	28	1334	47.13	19	19.66	155	8.92	6.16	17	3	.07	.5	1.3	SF4	2.0X	2	98	5
97	AUG	28	1336	29.39	19	19.57	155	8.74	7.68	12	3	.04	.6	1.2	SF4	1.5X	3	102	4
97	AUG	28	1613	13.30	19	14.93	155	27.20	7.38	38	4	.12	.3	1.1	LSW	1.9X	5	86	6
97	AUG	29	57	23.20	19	14.28	155	32.74	0.35	48	12	.14	.4	.2	LSW	2.2X	10	69	12
97	AUG	29	1606	3.76	19	19.79	155	11.49	8.09	40	9	.11	.4	.6	SF3	1.7X	8	89	5
97	AUG	29	1611	51.54	19	19.47	155	11.00	9.53	28	2	.07	.5	.9	SF3	1.7X	3	98	5
97	AUG	29	1815	44.63	19	18.56	155	28.61	5.95	29	1	.12	.4	2.2	LSW	1.1X	4	66	7
97	AUG	30	37	13.21	19	21.13	155	13.01	9.37	44	10	.12	.4	.4	SF2	1.8X	8	69	3
97	AUG	30	805	59.32	19	36.40	155	17.76	29.89	47	10	.09	.7	.9	KEA	2.0X	6	115	16
97	AUG	30	1519	8.00	19	18.42	155	13.18	8.93	37	5	.10	.4	.6	SF2	1.5X	7	90	3
97	AUG	31	141	38.65	19	26.46	155	18.87	7.39	45	13	.11	.3	.5	INT	2.2X	8	60	3
97	AUG	31	510	4.38	19	24.65	155	15.94	0.45	13	3	.09	.2	.5	SNCL	1.1X	3	100	2
97	AUG	31	1704	10.58	19	26.72	155	36.29	16.30	25	3	.11	.9	.8	DML	2.0X	3	79	1
97	AUG	31	1945	22.73	19	21.93	155	13.15	3.73	24	5	.09	.4	.3	SER	1.9X	4	72	1
97	SEP	1	707	54.01	19	26.47	155	20.72	3.65	32	9	.10	.4	.6	KAO	1.1D	1	71	2
97	SEP	1	748	26.90	19	26.65	155	20.60	3.45	19	3	.09	.4	.5	KAO	1.9U		78	2
97	SEP	1	2125	23.91	19	20.37	155	8.03	9.28	44	12	.10	.4	.5	SF4	2.8U		117	4
97	SEP	2	39	24.25	19	17.43	155	47.09	10.92	27	3	.13	.5	.6	KON	1.5U		110	9
97	SEP	2	1100	31.81	19	25.26	155	15.96	10.46	12	2	.12	1.2	1.0	INTL	2.3D	1	125	2
97	SEP	2	2136	46.82	19	31.33	154	47.62	7.81	22	3	.15	2.3	1.0	LER	.8D	1	322	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
97	SEP	3	42	23.93	19	19.64	155	8.65	9.14	4612		.11	.4	.5	SF4	2.3D	1	104	4
97	SEP	3	647	11.13	19	20.07	155	4.53	8.41	23	5	.08	.6	.8	SF5	.7D	1	184	8
97	SEP	3	2340	34.59	19	22.83	155	2.19	6.89	28	5	.14	.6	.8	SF5	.7D	1	171	7
97	SEP	4	1438	10.70	19	23.65	155	15.32	3.38	20	4	.09	.4	.4	SEC	2.6U		59	2
97	SEP	4	1944	8.83	19	17.69	155	23.13	5.49	29	3	.12	.4	1.5	SWR	2.5U		101	5
97	SEP	5	245	44.87	19	25.53	155	16.02	15.48	35	4	.11	.6	.3	DEP	2.2U		85	2
97	SEP	5	402	4.80	19	22.37	155	30.11	11.69	31	2	.08	.4	.8	KAO	2.0U		78	4
97	SEP	5	441	24.21	19	22.15	155	30.35	11.57	30	2	.07	.4	.8	KAO	2.0U		80	5
97	SEP	5	935	21.22	19	58.65	154	50.19	8.24	17	4	.12	2.0	1.6	KEA	2.4U		290	54
97	SEP	5	1151	44.11	19	20.81	155	5.23	7.68	30	4	.11	.5	.6	SF5	2.5U		162	6
97	SEP	6	215	19.82	19	15.81	155	2.31	44.21	35	5	.10	1.5	.9	DEP	1.7U		237	17
97	SEP	6	849	40.24	19	19.17	155	51.05	9.10	36	5	.15	.8	.5	KON	2.6U		160	6
97	SEP	6	1632	16.46	19	22.01	155	12.69	3.30	34	5	.11	.3	.4	SER	3.1U		87	1
97	SEP	7	105	19.69	19	22.34	155	15.43	12.89	2610		.09	.5	.8	INT	2.4U		68	1
97	SEP	7	614	22.30	19	25.90	155	28.62	13.05	32	2	.10	.4	1.0	DML	2.0U		62	7
97	SEP	7	731	10.35	19	26.34	155	30.49	12.98	37	6	.09	.4	.8	KAO	2.4U		67	5
97	SEP	7	818	40.76	19	29.51	155	49.19	11.48	25	5	.13	1.0	.5	KON	2.1U		259	6
97	SEP	7	1116	30.83	19	15.21	155	26.75	11.09	29	4	.09	.4	1.0	LSW	2.4U		83	5
97	SEP	7	1833	22.27	19	9.71	155	26.80	29.41	31	4	.09	.8	1.1	DLS	1.6U		171	2
97	SEP	7	2240	58.46	19	19.36	155	11.60	7.17	37	6	.09	.4	.6	SF3	2.2U		98	5
97	SEP	8	34	6.73	19	22.25	155	30.04	11.75	32	2	.08	.4	.8	KAO	2.6U		53	4
97	SEP	8	140	6.73	19	15.71	154	54.72	37.85	37	5	.10	1.6	.9	DIS	2.8U		265	19
97	SEP	8	322	20.57	19	19.00	155	15.31	8.16	29	4	.09	.4	.7	SF1	1.9U		103	4
97	SEP	8	700	49.34	19	19.53	155	54.10	6.51	19	3	.15	1.1	1.4	KON	1.8U		241	7
97	SEP	8	1857	57.19	19	18.67	155	12.91	6.97	23	5	.10	.4	.9	SF2	1.0U		93	3
97	SEP	8	1906	10.66	19	29.76	155	38.78	13.50	17	4	.08	1.3	.6	DML	2.2U		248	5
97	SEP	9	1844	37.15	19	24.53	155	16.23	9.10	10	3	.08	1.2	1.4	INTL	2.3U		141	1
97	SEP	9	1950	52.51	19	21.60	155	29.60	10.68	21	5	.15	.5	.9	KAO	1.3U		84	4
97	SEP	9	2026	14.48	19	20.08	155	12.15	8.65	33	4	.12	.5	.7	SF3	2.0U		79	5
97	SEP	9	2103	29.11	19	10.41	155	15.58	42.36	28	5	.11	1.4	.9	DEP	2.0U		222	13
97	SEP	10	212	30.73	19	20.15	155	10.60	8.61	37	6	.09	.4	.4	SF3	3.1U		84	4
97	SEP	10	224	6.21	19	19.88	155	10.97	6.86	23	5	.05	.4	.8	SF3	1.6U		89	4
97	SEP	10	232	53.65	19	20.24	155	10.68	9.16	33	5	.07	.4	.5	SF3	2.2U		82	4
97	SEP	10	239	25.91	19	20.18	155	10.63	7.50	30	5	.09	.4	.6	SF3	1.9U		83	4
97	SEP	10	344	30.86	19	20.00	155	10.76	9.20	41	7	.11	.4	.4	SF3	2.6U		87	4
97	SEP	10	705	13.22	19	20.44	155	4.55	9.71	32	5	.09	.6	.4	SF5	2.9U		178	8
97	SEP	10	805	1.46	19	22.26	155	28.79	10.76	31	5	.10	.3	.8	KAO	1.9U		52	2
97	SEP	10	949	23.54	19	24.76	155	16.35	1.27	16	3	.12	.3	.3	SNCL	2.0U		97	1
97	SEP	10	1643	56.86	19	24.93	155	28.57	12.90	20	3	.11	.6	1.3	KAO	1.3U		108	5
97	SEP	10	1657	59.24	19	23.14	155	14.75	3.32	15	3	.05	.3	.4	SEC	2.3U		88	2
97	SEP	11	234	25.44	19	26.13	155	17.87	3.66	10	2	.12	1.7	.7	SNCL	1.9U		167	1
97	SEP	11	937	30.46	19	20.53	155	5.34	6.58	23	5	.10	.7	.8	SF4	1.3U		165	7
97	SEP	11	1117	18.47	19	20.55	155	11.73	9.83	34	4	.10	.5	.6	SF3	2.6U		75	4
97	SEP	11	1232	4.46	19	22.47	155	2.67	8.76	25	3	.14	.9	.6	SF5	1.7U		171	8
97	SEP	11	1947	40.37	19	26.77	155	13.76	10.75	14	3	.12	1.5	1.4	GLNL	2.3U		239	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
97	SEP	12	212	13.13	19	21.15	155	5.54	8.60	32	5	.11	.7	.5	SF4	1.6U		184	5
97	SEP	12	229	42.77	19	20.20	155	2.44	8.66	30	3	.12	1.0	.8	SF5			207	11
97	SEP	12	537	4.62	19	26.04	155	19.93	8.04	4311		.12	.4	.6	KAO	3.1U		61	3
97	SEP	12	802	6.35	19	24.92	155	17.48	10.51	13	3	.08	1.2	.9	INTL	2.5U		133	1
97	SEP	12	2035	22.90	19	25.16	155	16.36	1.51	13	4	.11	.3	.4	SNC	1.9U		109	1
97	SEP	13	227	17.12	20	5.49	155	23.29	9.78	36	2	.11	1.0	1.1	KEA	3.0U		227	23
97	SEP	13	1941	54.58	19	25.28	155	19.47	9.11	25	2	.12	.6	.9	KAO	1.8U		72	3
97	SEP	13	2047	20.28	19	18.09	155	52.52	7.34	35	3	.16	1.0	.6	KON	2.3U		192	4
97	SEP	14	145	40.37	19	16.17	155	14.45	6.35	25	4	.10	.6	.8	SF2	1.5U		220	2
97	SEP	14	255	18.86	19	30.81	155	16.12	8.62	27	5	.10	.5	.9	GLN	1.4U		103	6
97	SEP	14	1739	56.20	19	22.57	155	30.27	12.72	32	2	.10	.4	.8	KAO	2.1U		51	5
97	SEP	14	1927	42.83	19	10.32	155	29.12	32.60	26	3	.07	1.0	1.2	DLS	1.5U		99	3
97	SEP	14	2104	50.75	19	28.50	155	16.37	30.76	38	5	.10	.6	.9	DEP	2.6U		95	1
97	SEP	15	1343	31.24	19	16.58	155	29.63	10.98	30	4	.12	.4	1.1	LSW	2.3U		79	11
97	SEP	15	1846	49.26	19	58.76	155	36.61	17.33	21		.11	1.3	12.7	KOH -	2.2U		156	24
97	SEP	16	1010	50.96	19	19.38	155	11.84	7.94	31	4	.08	.4	.7	SF3	2.4U		96	5
97	SEP	16	1526	15.93	19	28.89	155	26.39	6.61	34	6	.11	.3	1.2	KAO	2.5U		91	6
97	SEP	16	1938	23.46	19	22.80	155	26.96	11.16	40	6	.10	.4	.6	KAO	2.7U		47	1
97	SEP	16	2113	40.73	19	18.04	155	13.27	8.10	33	4	.10	.6	.7	SF2	2.5U		94	2
97	SEP	16	2246	1.66	19	20.59	155	13.19	8.36	22	5	.08	.5	.8	SF2	1.9U		78	4
97	SEP	16	2259	55.31	19	25.16	155	14.58	8.57	8	2	.09	2.2	1.4	INTL	1.9U		238	1
97	SEP	17	130	33.34	19	19.56	155	12.05	6.77	24	4	.06	.4	.8	SF3	1.7U		89	5
97	SEP	17	141	23.32	19	25.39	155	15.64	10.55	13	3	.11	1.5	.9	INTL	2.5U		184	3
97	SEP	17	222	16.47	19	24.62	155	15.75	5.85	11	3	.08	.7	.8	INTL	2.1U		141	2
97	SEP	17	317	42.04	19	25.32	155	15.87	7.52	11	3	.08	1.4	.9	INTL	2.9U		176	2
97	SEP	17	327	0.75	19	25.43	155	15.79	4.45	14	4	.13	.8	.6	SNCL	3.5U		177	2
97	SEP	17	338	57.89	19	24.27	155	16.07	4.44	9	2	.08	1.0	.8	SECL	3.4U		128	1
97	SEP	17	357	14.41	19	24.95	155	17.42	7.46	11	3	.09	1.2	.8	INTL	3.0U		132	1
97	SEP	17	409	50.79	19	23.52	155	17.00	4.79	7	1	.08	.9	.9	SSCL	3.1U		157	0
97	SEP	17	416	57.87	19	25.16	155	17.37	7.91	12	3	.09	1.0	.9	INTL	2.4U		141	1
97	SEP	17	436	32.01	19	25.05	155	16.70	10.52	15	3	.06	.9	.7	INTL	3.1U		99	1
97	SEP	17	443	47.44	19	26.09	155	16.75	11.66	12	2	.07	1.6	1.2	INTL	2.3U		180	2
97	SEP	17	450	23.57	19	25.18	155	16.66	8.31	12	2	.08	1.5	1.0	INTL	2.8U		159	1
97	SEP	17	457	39.66	19	25.57	155	16.40	7.64	11	2	.07	1.3	1.0	INTL	2.5U		177	2
97	SEP	17	502	59.25	19	25.43	155	16.09	10.00	12	3	.08	1.4	1.2	INTL	2.8U		177	2
97	SEP	17	510	21.10	19	24.53	155	16.55	9.99	17	4	.10	.7	.8	INTL	2.9U		87	1
97	SEP	17	518	2.85	19	25.21	155	16.35	12.64	13	3	.07	1.6	1.2	INTL	2.3U		160	1
97	SEP	17	525	19.78	19	25.22	155	16.37	10.88	16	3	.07	.8	.8	INTL	2.4U		111	1
97	SEP	17	530	28.58	19	26.33	155	16.52	2.86	9	1	.12	.9	.8	SNCL	2.8U		200	3
97	SEP	17	530	41.73	19	25.44	155	16.68	11.24	15	4	.13	1.3	1.2	INTL	3.0U		108	1
97	SEP	17	541	8.23	19	24.77	155	17.10	9.36	12	3	.06	1.1	.8	INTL	2.5U		127	0
97	SEP	17	550	32.96	19	26.04	155	16.17	9.24	16	2	.09	.9	.7	INTL	3.4U		138	3
97	SEP	17	558	47.89	19	24.39	155	17.21	7.36	10	2	.07	.7	.9	INTL	2.7U		131	1
97	SEP	17	608	59.30	19	24.04	155	16.34	5.76	10	2	.16	1.2	1.3	INTL	2.6U		107	1
97	SEP	17	620	12.75	19	24.95	155	17.61	6.47	14	2	.10	.5	.9	INTL	3.4U		84	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
97	SEP	17	632	39.69	19	25.69	155	16.46	9.80	14	2	.12	.9	1.0	INTL	2.5U		121	2
97	SEP	17	639	43.81	19	25.78	155	15.80	10.20	14	2	.06	.8	.8	INTL	2.7U		150	3
97	SEP	17	648	8.65	19	22.79	155	16.23	8.73	11	2	.13	1.1	1.1	INTL	2.1U		109	1
97	SEP	17	653	56.58	19	25.03	155	17.89	11.49	11	1	.11	1.5	2.2	INTL	2.3U		88	1
97	SEP	17	657	26.83	19	23.99	155	17.65	15.25	14	4	.11	1.4	.9	DEPL	3.3U		87	2
97	SEP	17	713	39.29	19	25.33	155	16.45	10.98	16	2	.06	.7	.9	INTL	2.7U		113	1
97	SEP	17	721	23.03	19	25.25	155	17.57	6.07	11	3	.11	1.1	.7	INTL	2.0U		111	0
97	SEP	17	728	3.39	19	24.91	155	16.78	10.15	12	2	.17	1.9	1.2	INTL	2.8U		94	0
97	SEP	17	730	2.80	19	24.97	155	16.59	9.40	14	2	.07	.8	1.0	INTL	2.8U		98	1
97	SEP	17	743	46.94	19	24.40	155	16.87	10.54	16	4	.08	.8	.8	INTL	2.8U		81	1
97	SEP	17	750	14.71	19	25.35	155	16.89	8.14	9	3	.09	2.3	.8	INTL			190	1
97	SEP	17	802	18.15	19	25.16	155	17.05	11.35	12	2	.09	1.9	1.0	INTL	2.7U		117	0
97	SEP	17	810	21.35	19	24.12	155	16.54	5.36	14	1	.10	.6	.8	INTL	2.9U		77	0
97	SEP	17	819	52.82	19	24.36	155	17.75	5.14	12	3	.09	.6	.5	INTL	2.4U		92	2
97	SEP	17	820	57.98	19	23.54	155	18.09	9.68	10	2	.06	2.0	1.4	INTL	2.8U		160	2
97	SEP	17	832	28.08	19	24.26	155	17.08	7.88	12	2	.11	.9	1.0	INTL	2.9U		78	1
97	SEP	17	841	9.74	19	24.68	155	16.72	9.27	12	3	.06	1.0	.7	INTL	2.4U		139	1
97	SEP	17	845	29.09	19	26.01	155	15.74	10.74	15	2	.10	.9	1.0	INTL	2.8U		160	3
97	SEP	17	854	40.76	19	23.74	155	16.96	7.44	12	3	.11	1.0	.9	INTL	2.5U		78	1
97	SEP	17	901	46.01	19	25.08	155	17.11	14.53	12	2	.16	1.6	1.0	DEPL	2.4U		90	0
97	SEP	17	907	22.86	19	24.49	155	15.41	7.02	12	3	.14	1.0	.9	INTL	2.3U		133	2
97	SEP	17	910	10.16	19	24.55	155	16.44	9.16	12	3	.12	1.5	.8	INTL	3.4U		138	1
97	SEP	17	917	16.23	19	24.32	155	17.23	7.99	13	1	.10	.8	.9	INTL	2.6U		131	1
97	SEP	17	926	2.52	19	24.14	155	17.16	2.48	11	1	.11	.4	.4	SSCL	2.5U		80	1
97	SEP	17	935	8.79	19	24.71	155	17.47	8.43	11	2	.08	.9	1.1	INTL	2.2U		83	1
97	SEP	17	941	10.54	19	24.38	155	18.09	8.19	10	2	.09	1.6	1.3	INTL	2.4U		152	2
97	SEP	17	942	27.65	19	24.88	155	17.19	7.33	11	3	.09	1.1	1.3	INTL	1.9U		141	0
97	SEP	17	957	48.89	19	25.14	155	17.42	7.71	11	3	.09	.9	.7	INTL	3.4U		84	1
97	SEP	17	1011	4.73	19	23.68	155	17.58	3.14	10		.05	.9	.4	SSCL	2.5U		146	1
97	SEP	17	1024	14.64	19	25.88	155	16.49	10.30	16	3	.09	.8	.8	INTL	2.8U		125	2
97	SEP	17	1033	13.48	19	23.27	155	19.08	0.76	12	2	.15	.4	.9	KAOL	2.9U		176	4
97	SEP	17	1048	27.93	19	24.69	155	16.86	10.00	13	2	.14	1.6	1.3	INTL	2.8U		122	0
97	SEP	17	1051	17.88	19	25.20	155	19.69	8.48	30	4	.12	.5	1.0	KAO	2.6U		48	4
97	SEP	17	1101	29.45	19	23.90	155	18.20	12.23	16	4	.19	1.6	1.2	INTL	3.1U		153	2
97	SEP	17	1125	9.37	19	23.78	155	16.07	1.98	10	1	.14	.5	.6	SECL	2.5U		99	1
97	SEP	17	1134	39.23	19	24.85	155	17.12	6.77	12	2	.10	.8	1.1	INTL	3.0U		105	0
97	SEP	17	1140	56.27	19	24.82	155	16.22	9.00	11	3	.07	1.4	1.1	INTL	2.3U		150	1
97	SEP	17	1148	40.11	19	22.88	155	17.56	5.40	10	2	.07	1.0	1.5	INTL	2.3U		152	1
97	SEP	17	1156	26.19	19	27.11	155	16.57	11.02	8	1	.10	1.9	1.6	INTL	3.0U		220	4
97	SEP	17	1216	33.49	19	23.13	155	15.00	11.96	15	4	.10	1.3	.8	INTL	3.3U		195	2
97	SEP	17	1224	20.94	19	23.16	155	16.25	2.67	8	1	.07	.4	.6	SECL	1.7U		106	1
97	SEP	17	1228	21.63	19	25.11	155	17.76	8.26	14	2	.07	.8	.7	INTL	2.6U		136	1
97	SEP	17	1247	42.41	19	24.36	155	17.29	8.12	14	4	.12	.9	.7	INTL	2.7U		74	1
97	SEP	17	1304	2.95	19	25.16	155	17.70	8.51	14	3	.12	1.2	1.0	INTL	2.7U		135	0
97	SEP	17	1318	40.70	19	24.89	155	15.84	4.95	12	3	.13	1.2	.8	SNCL	3.0U		153	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
97	SEP	17	1338	57.37	19	24.98	155	16.75	6.53	14	1	.11	.7	.9	INTL	2.8U		96	0
97	SEP	17	1353	54.39	19	24.53	155	17.32	6.69	15	4	.11	.8	.6	INTL	3.0U		131	1
97	SEP	17	1415	56.37	19	25.62	155	16.56	12.86	14	3	.11	1.9	.9	INTL	3.1U		117	2
97	SEP	17	1427	4.04	19	25.57	155	16.95	11.89	14	2	.07	.7	1.1	INTL	3.0U		103	1
97	SEP	17	1441	10.04	19	23.11	155	15.43	3.33	9	2	.07	.7	.6	SECL	2.8U		179	2
97	SEP	17	1500	4.32	19	24.12	155	17.30	10.38	15	4	.11	1.3	1.0	INTL	3.2U		133	1
97	SEP	17	1518	56.50	19	24.78	155	16.53	9.96	14	2	.09	1.2	.9	INTL	2.8U		143	1
97	SEP	17	1530	48.49	19	24.81	155	16.36	11.21	16	3	.12	1.1	1.0	INTL	2.7U		98	1
97	SEP	17	1545	25.16	19	25.84	155	16.31	10.50	17	4	.07	.7	.8	INTL	2.9U		131	2
97	SEP	17	1607	19.10	19	25.03	155	17.07	11.85	16	4	.08	1.1	.9	INTL	3.0U		123	0
97	SEP	17	1630	38.84	19	24.77	155	17.29	8.40	14	3	.05	.9	.9	INTL	3.1U		130	1
97	SEP	17	1646	7.55	19	25.83	155	15.38	9.36	14	3	.11	1.6	1.0	INTL	3.0U		201	3
97	SEP	17	1653	53.39	19	20.59	155	8.27	8.04	24	4	.06	.5	.7	SF4	1.9U		111	4
97	SEP	17	1700	49.64	19	25.02	155	16.71	10.43	18	2	.07	.6	.7	INTL	2.8U		98	1
97	SEP	17	1710	35.62	19	20.47	155	13.27	5.97	23	5	.07	.4	.9	SF2	1.7U		73	4
97	SEP	17	1715	39.42	19	24.55	155	17.63	7.56	15	2	.09	.9	.8	INTL	3.0U		83	1
97	SEP	17	1724	48.42	19	23.97	155	16.48	6.30	14	3	.13	.9	.8	INTL	2.7U		73	0
97	SEP	17	1735	50.14	19	25.31	155	16.70	10.63	13	3	.05	1.5	1.1	INTL			105	1
97	SEP	17	1735	55.93	19	23.92	155	17.20	7.06	13	3	.09	.9	.9	INTL	3.0U		135	1
97	SEP	17	1752	51.80	19	25.36	155	16.60	11.51	16	4	.07	.8	.7	INTL	2.8U		108	1
97	SEP	17	1813	4.17	19	24.67	155	17.64	10.75	15	2	.09	.8	1.1	INTL	3.0U		83	1
97	SEP	17	1826	3.95	19	25.06	155	16.16	11.69	14	2	.09	1.5	1.1	INTL	2.7U		112	1
97	SEP	17	1845	56.60	19	25.41	155	16.64	11.94	17	4	.06	.7	1.0	INTL	2.9U		108	1
97	SEP	17	1900	58.36	19	25.48	155	16.53	11.27	14	3	.07	1.0	1.0	INTL			113	1
97	SEP	17	1901	9.99	19	24.55	155	18.08	11.56	14	3	.07	1.1	.8	INTL	2.8U		92	2
97	SEP	17	1922	53.71	19	25.33	155	16.54	12.39	14	2	.05	.9	1.1	INTL	3.0U		110	1
97	SEP	17	1949	33.52	19	25.38	155	16.27	10.08	14	2	.06	.8	.9	INTL	3.2U		119	2
97	SEP	17	1956	39.86	19	24.89	155	17.04	9.86	15	4	.10	1.2	1.0	INTL	2.1U		117	0
97	SEP	17	2010	35.28	19	25.13	155	17.24	8.16	15	2	.15	.9	1.2	INTL	2.5U		88	1
97	SEP	17	2030	6.30	19	25.51	155	16.41	11.33	15	3	.06	1.1	1.0	INTL	2.1U		118	2
97	SEP	17	2030	36.64	19	24.71	155	17.31	12.03	15	3	.10	.8	.6	INTL	2.6U		80	1
97	SEP	17	2054	40.91	19	25.27	155	16.27	9.80	20	4	.10	.8	.7	INTL	2.8U		111	1
97	SEP	17	2119	8.63	19	25.88	155	17.57	12.58	12	2	.07	1.9	1.0	INTL	2.2U		117	1
97	SEP	17	2127	27.67	19	24.36	155	15.89	0.21	19	3	.12	.2	.4	SECL	2.8U		89	2
97	SEP	17	2157	23.73	19	24.87	155	16.84	8.80	13	2	.07	.9	1.1	INTL	3.0U		92	0
97	SEP	17	2205	46.05	19	24.56	155	17.05	8.15	14	3	.05	.8	.6	INTL	2.6U		79	1
97	SEP	17	2222	45.37	19	25.05	155	16.63	9.51	20	3	.09	.6	.6	INTL	2.4U		100	1
97	SEP	17	2234	38.90	19	24.03	155	17.23	5.55	12	3	.10	.8	.8	INTL	2.8U		81	1
97	SEP	17	2246	29.89	19	24.93	155	17.02	9.39	16	3	.08	1.0	.8	INTL	2.4U		140	0
97	SEP	17	2302	25.32	19	25.06	155	16.96	10.15	12	3	.06	1.3	1.0	INTL	2.7U		152	0
97	SEP	17	2309	1.66	19	25.54	155	16.35	11.23	16	3	.08	1.1	1.0	INTL	2.4U		121	2
97	SEP	17	2336	46.62	19	24.70	155	16.03	7.83	14	4	.12	.9	.9	INTL	2.5U		101	2
97	SEP	18	5	35.79	19	25.58	155	16.24	9.07	13	2	.09	1.3	1.0	INTL	2.7U		126	2
97	SEP	18	38	7.36	19	24.02	155	15.68	4.89	19	3	.13	.6	.8	SECL	2.9U		76	2
97	SEP	18	44	56.37	19	25.56	155	16.25	11.76	11	3	.03	1.9	1.2	INTL	1.9U		179	2

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC REMKS	MAG	RD	GAP	DS
97	SEP	18	116	50.65	19	24.14	155	15.99	7.30	14	2	.09	.6	.9	INTL	2.7U		121	1
97	SEP	18	148	33.66	19	24.39	155	15.51	4.78	13	3	.11	.5	.7	SECL	2.9U		131	2
97	SEP	18	243	32.48	19	18.94	155	12.89	7.43	27	4	.10	.4	.9	SF2	2.0U		89	4
97	SEP	18	254	23.11	19	25.65	155	16.67	10.19	12	2	.09	1.6	1.3	INTL	2.9U		113	1
97	SEP	18	311	54.64	19	24.38	155	17.53	9.79	18	3	.08	.9	.8	INTL	3.1U		131	1
97	SEP	18	319	17.66	19	24.56	155	15.84	4.41	13	2	.15	.6	.8	SNCL	2.5U		98	2
97	SEP	18	333	56.36	19	25.48	155	16.30	10.52	17	3	.08	.9	1.0	INTL	2.5U		112	2
97	SEP	18	346	47.41	19	25.57	155	15.92	10.20	13	2	.07	1.1	1.3	INTL	2.5U		138	2
97	SEP	18	406	20.04	19	25.29	155	15.49	10.41	14	3	.11	1.5	1.0	INTL	2.8U		176	2
97	SEP	18	430	5.36	19	25.19	155	16.56	8.11	16	3	.08	.8	.6	INTL	2.6U		104	1
97	SEP	18	450	58.78	19	25.88	155	15.70	12.57	13	2	.08	1.4	1.3	INTL			149	3
97	SEP	18	451	8.37	19	23.31	155	16.55	5.83	12	3	.12	1.2	1.0	INTL	2.8U		87	1
97	SEP	18	616	20.09	19	25.63	155	16.81	9.82	15	3	.04	1.0	.7	INTL	2.2U		109	1
97	SEP	18	714	30.75	19	24.94	155	16.95	11.61	20	4	.08	1.1	.8	INTL	2.9U		90	0
97	SEP	18	831	34.69	19	24.90	155	15.89	6.19	10	3	.09	.9	1.3	INTL			170	2
97	SEP	18	831	56.22	19	23.68	155	18.13	9.61	14	5	.06	1.2	.9	INTL	2.6U		160	2
97	SEP	18	836	36.59	19	13.44	155	31.47	34.95	23		.08	.9	3.3	DLS	1.4U		70	10
97	SEP	18	1027	43.47	19	49.71	156	3.40	45.18	22	3	.11	2.2	1.8	HUA	2.1U		244	28
97	SEP	18	1031	37.16	19	24.24	155	17.91	6.77	13	3	.14	.8	1.3	INTL	2.4U		145	2
97	SEP	18	1236	54.00	19	24.49	155	18.15	3.09	15	3	.10	.7	.4	SSCL	2.8U		148	2
97	SEP	18	1432	7.43	19	24.20	155	17.63	10.45	12	3	.10	1.1	.8	INTL	2.8U		141	2
97	SEP	18	1817	59.37	19	23.41	155	15.49	8.50	12	4	.15	1.5	1.0	INTL	2.9U		162	2
97	SEP	19	18	13.75	19	25.00	155	16.37	7.83	13	4	.11	.8	1.0	INTL	3.0U		105	1
97	SEP	19	419	51.53	19	25.91	155	16.41	6.41	12	3	.14	.7	1.0	INTL	2.7U		128	2
97	SEP	19	633	20.14	19	24.99	155	16.83	9.91	11	2	.07	1.8	1.1	INTL	2.4U		95	0
97	SEP	19	954	28.24	19	24.28	155	18.11	6.16	10	2	.11	1.4	.9	INTL	2.8U		154	2
97	SEP	19	1319	4.13	19	24.53	155	17.92	7.47	12	3	.09	.9	1.0	INTL	2.8U		106	2
97	SEP	19	1446	45.84	19	24.17	155	17.79	9.07	14	3	.08	1.2	.8	INTL	3.0U		136	2
97	SEP	19	1627	17.38	18	59.42	155	34.08	34.97	22	4	.09	1.9	1.2	DLS	1.9U		278	22
97	SEP	19	1632	12.84	19	24.20	155	17.26	8.34	14	4	.12	1.0	.8	INTL	2.5U		81	1
97	SEP	19	1958	24.79	19	24.26	155	16.36	11.80	21	5	.08	.9	.7	INTL	3.0U		81	1
97	SEP	19	2229	48.49	19	24.98	155	15.66	10.82	11	3	.08	1.3	1.1	INTL	2.5U		122	2
97	SEP	20	110	47.39	19	23.98	155	18.46	7.20	13	1	.10	.8	1.1	INTL	2.5U		148	3
97	SEP	20	303	25.90	19	24.59	155	17.06	8.58	18	3	.07	.6	.5	INTL	2.5U		78	1
97	SEP	20	450	28.45	19	24.96	155	17.11	8.01	11	1	.05	.8	1.2	INTL	2.7U		124	0
97	SEP	20	614	11.64	19	23.99	155	15.90	3.20	19	3	.12	.3	.4	SECL	2.7U		76	1
97	SEP	20	905	1.15	19	24.12	155	16.49	10.92	19	4	.09	1.1	.8	INTL	3.0U		96	0
97	SEP	20	1227	20.14	19	23.63	155	16.25	3.69	11	1	.12	.7	.5	SECL	2.7U		104	1
97	SEP	20	1246	16.46	19	47.70	155	24.50	23.63	16	3	.10	1.8	1.0	KEA	1.8U		262	5
97	SEP	20	1447	55.92	19	25.06	155	16.68	5.36	20	4	.09	.5	.4	INTL	2.8U		99	1
97	SEP	20	1549	33.67	19	25.63	155	15.31	10.29	12	2	.12	1.6	1.3	INTL	3.2U		196	2
97	SEP	20	1555	41.04	19	23.33	155	17.30	8.33	17	3	.10	1.1	.9	INTL	2.3U		130	1
97	SEP	20	1606	28.49	19	24.09	155	16.14	7.55	12	3	.13	1.1	1.2	INTL	2.8U		101	1
97	SEP	20	1616	35.95	19	23.68	155	15.40	1.31	14	3	.08	.2	.4	SECL	2.0U		95	2
97	SEP	20	1628	40.95	19	24.75	155	17.75	8.76	12	3	.08	1.7	.9	INTL	2.1U		141	1

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC REMKS	MAG	RD	GAP	DS
97	SEP	20	1629	58.06	19	23.80	155	15.07	10.26	16	4	.06	1.0	.8	INTL	2.4U		172	2
97	SEP	20	1641	45.54	19	24.97	155	16.92	7.14	12	3	.11	.9	.8	INTL	2.3U		149	0
97	SEP	20	1653	47.75	19	24.46	155	16.50	6.01	17	3	.11	.6	.7	INTL	2.4U		85	1
97	SEP	20	1708	10.50	19	24.62	155	15.83	2.56	16	3	.10	.3	.3	SNCL	3.4U		101	2
97	SEP	20	1716	23.48	19	23.28	155	16.92	8.79	10	2	.11	1.3	1.1	INTL	2.2U		129	0
97	SEP	20	1724	31.54	19	23.34	155	17.26	2.55	10	3	.11	.8	.3	SSCL	2.2U		194	1
97	SEP	20	1733	38.29	19	23.21	155	19.15	13.52	9	1	.09	2.6	1.8	DMLL	1.9U		238	4
97	SEP	20	1740	17.31	19	24.61	155	17.61	10.60	13	3	.07	1.4	.8	INTL	2.3U		137	1
97	SEP	20	1746	57.52	19	25.19	155	16.64	8.86	13	2	.12	1.0	.8	INTL	2.4U		103	1
97	SEP	20	1800	8.23	19	23.75	155	14.98	6.80	9	2	.08	1.0	1.2	INTL	2.3U		180	2
97	SEP	20	1806	2.00	19	24.47	155	15.33	8.61	14	4	.09	.8	.6	INTL	2.4U		131	2
97	SEP	20	1808	16.36	19	23.33	155	18.28	6.48	12	3	.10	.8	1.3	INTL	2.4U		159	2
97	SEP	20	1827	26.30	19	24.24	155	17.13	8.49	13	3	.12	1.3	1.0	INTL	2.1U		130	1
97	SEP	20	1840	23.47	19	24.18	155	17.47	7.93	12	3	.04	.9	.7	INTL	1.8U		137	2
97	SEP	20	1842	28.61	19	24.46	155	16.93	10.02	13	2	.07	.8	1.0	INTL	2.3U		92	1
97	SEP	20	1858	26.96	19	24.87	155	17.09	10.81	12	2	.06	1.4	1.0	INTL	2.6U		125	0
97	SEP	20	1903	54.87	19	24.46	155	16.10	3.74	12	3	.19	.6	.8	SECL	2.4U		92	1
97	SEP	20	1904	40.41	19	18.17	155	29.82	1.60	32	1	.14	.4	2.3	LSW	2.4U		73	9
97	SEP	20	1941	39.79	19	24.96	155	16.63	9.33	13	2	.14	.9	.9	INTL	2.5U		98	1
97	SEP	20	1950	13.06	19	24.30	155	15.70	3.38	17	3	.11	.4	.5	SECL	2.3U		125	2
97	SEP	20	1955	48.25	19	25.05	155	15.77	0.22	9	1	.10	.3	.6	SNCL	2.7U		161	2
97	SEP	20	2011	53.37	19	25.04	155	15.86	7.52	10	2	.11	1.2	1.0	INTL	1.8U		158	2
97	SEP	20	2039	10.40	19	24.85	155	15.93	10.34	18	3	.09	1.1	.8	INTL	2.2U		143	2
97	SEP	20	2047	6.50	19	25.16	155	15.40	6.56	12	3	.06	.8	.8	INTL	2.3U		173	2
97	SEP	20	2108	0.27	19	25.73	155	14.98	12.52	16	3	.07	1.5	1.0	INTL	2.4U		188	2
97	SEP	20	2117	25.50	19	24.06	155	17.18	6.88	11	3	.11	1.0	.8	INTL	2.5U		134	1
97	SEP	20	2142	8.18	19	24.95	155	17.44	8.04	14	2	.07	.8	.8	INTL	2.4U		113	1
97	SEP	20	2205	9.49	19	24.57	155	17.01	8.84	13	3	.10	1.3	.9	INTL	2.3U		126	1
97	SEP	20	2219	40.88	19	23.98	155	15.82	7.18	17	3	.09	.7	.8	INTL	2.2U		113	1
97	SEP	20	2252	3.79	19	24.30	155	17.16	6.20	18	3	.07	.8	.6	INTL	2.4U		124	1
97	SEP	20	2253	30.80	19	10.39	155	31.87	32.43	45	8	.08	.6	1.0	DLSF	3.6U		111	7
97	SEP	20	2305	2.38	19	24.86	155	16.36	4.67	16	3	.08	.5	.5	SNCL	2.3U		100	1
97	SEP	20	2313	17.82	19	21.07	155	7.52	7.66	33	4	.12	.5	.6	SF4	1.8U		123	4
97	SEP	20	2327	3.75	19	23.77	155	15.93	5.25	11	2	.09	1.2	1.0	INTL	2.2U		101	1
97	SEP	21	5	4.46	19	24.21	155	17.17	13.59	13	3	.11	1.9	1.4	DEPL	2.3U		132	1
97	SEP	21	12	48.83	19	24.73	155	16.91	9.32	13	3	.07	1.1	.8	INTL	2.5U		123	0
97	SEP	21	23	3.66	19	19.26	155	15.15	7.47	30	5	.09	.4	.6	SF1	1.7U		96	4
97	SEP	21	49	26.30	19	23.62	155	19.71	2.13	11	3	.10	.6	1.5	KAOL	1.8U		199	5
97	SEP	21	116	43.63	19	23.85	155	15.00	2.51	14	2	.14	.4	.5	SECL	2.1U		89	2
97	SEP	21	138	17.75	19	24.31	155	16.95	7.24	11	2	.09	.8	.9	INTL	2.1U		134	1
97	SEP	21	232	21.97	19	25.38	155	16.03	8.05	13	3	.08	1.1	1.0	INTL	2.3U		127	2
97	SEP	21	414	9.88	19	25.00	155	17.88	8.80	11	2	.10	1.5	1.2	INTL	2.2U		164	1
97	SEP	21	546	39.82	19	22.95	155	16.05	7.40	15	3	.14	1.2	1.2	INTL	2.4U		132	1
97	SEP	21	712	29.99	19	29.68	155	29.54	3.75	35	7	.09	.3	1.2	KAO	2.5U		92	5
97	SEP	21	726	4.99	19	20.69	155	6.32	9.91	30	4	.08	.5	.4	SF4	1.8U		147	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
97	SEP	21	744	14.01	19	23.68	155	19.26	7.06	10	3	.09	2.4	2.7	KAOL	2.5U	188		4
97	SEP	21	900	28.50	19	28.34	155	26.91	10.99	33	6	.11	.4	.8	KAO	1.4U	53		7
97	SEP	21	1027	48.42	19	24.00	155	17.73	9.75	11	2	.08	.9	1.2	INTL	2.6U	147		2
97	SEP	21	1840	22.52	19	25.33	155	17.07	10.09	13	3	.09	1.3	.9	INTL	2.1U	96		1
97	SEP	22	122	6.24	19	23.88	155	17.05	7.38	16	3	.09	.7	.8	INTL	2.5U	129		1
97	SEP	22	124	33.21	19	15.82	155	30.21	1.97	29	3	.13	.4	1.1	LSW	2.0U	87		11
97	SEP	22	259	16.23	19	13.44	155	17.62	42.14	41	5	.10	.8	1.1	DEP	1.8U	182		9
97	SEP	22	557	28.23	19	25.68	155	14.15	31.19	43	9	.08	.6	.7	DEP	1.7U	89		2
97	SEP	22	2022	51.53	19	19.48	155	8.83	9.25	4410		.10	.4	.5	SF4	2.2U	99		4
97	SEP	23	647	36.12	19	13.73	155	34.97	8.44	36	4	.16	.5	1.0	LSW	2.1U	76		4
97	SEP	23	918	32.65	19	19.25	155	11.95	9.45	42	9	.12	.5	.5	SF3	3.3U	97		5
97	SEP	23	1105	50.25	19	18.74	155	52.58	12.21	31	5	.14	.9	.3	KON	2.1U	214		5
97	SEP	24	125	6.24	19	13.42	155	20.11	31.42	42	5	.10	.7	1.0	DEP	2.9U	162		7
97	SEP	24	640	34.64	19	19.53	155	8.79	7.70	32	3	.09	.5	.8	SF4	2.3U	108		4
97	SEP	25	238	19.92	19	24.72	155	16.34	13.80	11	2	.07	1.8	1.1	DEPL	1.9U	143		1
97	SEP	25	527	37.20	19	11.24	155	15.64	48.53	24	2	.14	1.8	1.4	DEP	2.5U	221		11
97	SEP	25	720	4.33	19	39.62	155	10.85	22.46	24	5	.08	.8	2.6	KEA	1.5U	174		24
97	SEP	25	1319	1.56	19	24.30	155	16.66	11.42	13	3	.16	2.0	1.3	INTL	2.4U	115		1
97	SEP	26	625	12.71	19	23.47	155	14.86	4.09	32	5	.11	.3	.4	SEC	2.8U	61		2
97	SEP	26	2021	40.47	19	20.06	155	11.95	8.08	40	8	.09	.4	.5	SF3	2.1U	81		5
97	SEP	27	609	0.20	19	20.77	155	8.24	9.80	30	5	.08	.5	.5	SF4	2.0U	111		4
97	SEP	27	857	40.28	19	23.28	155	15.78	4.38	18	2	.14	.5	.6	SECL	2.0U	84		2
97	SEP	27	932	6.55	19	22.64	155	2.77	10.04	39	8	.10	.7	.5	SF5	2.4U	166		8
97	SEP	27	1031	55.82	19	25.23	155	16.02	10.90	20	4	.11	1.0	.8	INTL	2.8U	121		2
97	SEP	27	1106	50.13	19	20.29	155	9.68	8.55	32	5	.08	.4	.6	SF3	1.9U	86		3
97	SEP	27	1721	43.06	19	21.16	155	6.09	9.78	37	5	.09	.6	.4	SF4	2.5U	145		5
97	SEP	27	2359	15.64	19	19.40	155	8.81	7.99	35	3	.11	.5	.7	SF4	1.7U	99		4
97	SEP	28	137	18.83	19	24.12	155	16.23	1.43	17	3	.11	.3	.3	SECL	3.3U	78		1
97	SEP	28	1749	17.91	19	20.41	155	4.26	8.98	39	8	.09	.6	.5	SF5	2.6U	181		8
97	SEP	28	1901	19.23	19	20.38	155	6.08	9.77	28	3	.09	.5	.5	SF4	1.6U	156		6
97	SEP	28	1955	34.07	19	21.86	155	4.76	8.86	34	4	.12	.7	.6	SF5	2.1U	154		6
97	SEP	28	2011	13.81	19	19.23	155	8.63	8.79	35	4	.11	.5	.6	SF4	1.5U	104		4
97	SEP	28	2119	34.08	19	20.96	155	29.55	12.22	29		.09	.4	1.5	KAO	2.4U	58		9
97	SEP	29	21	21.31	19	35.78	156	13.89	33.06	39	6	.13	1.1	2.2	KONF	2.9U	292		42
97	SEP	29	54	23.86	19	21.07	155	14.09	35.16	30	3	.10	.9	1.4	DEP	1.7U	64		3
97	SEP	29	503	12.12	19	13.84	155	22.99	36.30	4610		.10	.6	.9	DEP	2.7U	151		2
97	SEP	29	1222	10.20	19	24.64	155	15.85	7.64	16	3	.08	.8	.9	INTL	3.0U	102		2
97	SEP	29	1809	6.57	19	24.35	155	17.17	10.92	16	3	.16	1.5	1.2	INTL	2.1U	79		1
97	SEP	29	2103	25.75	19	24.81	155	16.09	11.32	13	2	.09	1.5	1.1	INTL	1.9U	147		2
97	SEP	30	653	4.15	19	25.07	155	17.18	12.31	13	2	.07	1.9	1.2	INTL	2.3U	148		0
97	SEP	30	1242	13.04	19	21.33	155	5.87	8.97	34	4	.09	.5	.4	SF4	2.4U	147		5
97	SEP	30	1658	51.53	19	18.50	155	13.02	10.08	32	5	.09	.6	.8	SF2	2.5U	135		8
97	OCT	1	706	12.00	18	54.82	155	16.05	13.60	29	4	.11	1.4	.8	LOI	3.1U	253		34
97	OCT	1	724	55.59	18	51.44	155	15.16	9.89	19	4	.10	1.0	.6	LOI		288		40
97	OCT	1	1018	27.02	19	24.45	155	17.86	10.20	14	2	.05	.7	1.1	INTL		86		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
97	OCT	1	1018	56.56	19	24.46	155	17.02	4.15	13	3	.17	.7	.4	SSCL	2.9U	127		1
97	OCT	1	1113	50.13	19	24.35	155	16.14	0.34	19	3	.12	.2	.4	SECL	3.0U	86		1
97	OCT	1	1123	50.81	19	26.11	155	18.05	11.52	13	2	.09	1.5	.8	INTL	2.5U	171		2
97	OCT	1	1142	48.39	19	24.87	155	16.26	5.51	14	2	.15	.9	1.1	INTL	3.0U	102		1
97	OCT	1	1153	10.38	19	22.71	155	17.56	2.60	11	3	.14	.7	.8	SSCL	3.0U	114		2
97	OCT	1	1206	1.51	19	25.01	155	15.64	10.06	14	3	.08	1.1	1.0	INTL	3.3U	123		2
97	OCT	1	1215	26.47	19	24.59	155	17.05	7.05	11	2	.13	1.1	1.4	INTL	2.9U	78		1
97	OCT	1	1220	16.12	19	24.25	155	16.52	9.04	11	2	.09	1.3	1.3	INTL	2.8U	113		1
97	OCT	1	1225	42.94	19	25.87	155	16.76	10.33	11	2	.11	1.3	1.2	INTL	2.0U	115		2
97	OCT	1	1237	0.64	19	24.19	155	16.07	7.61	9	1	.06	.9	1.6	INTL	2.7U	101		2
97	OCT	1	1246	32.77	19	27.05	155	15.32	8.54	9	2	.09	2.0	1.6	INTL	2.5U	228		5
97	OCT	1	1253	35.68	19	27.51	155	17.34	10.11	9	1	.12	1.8	1.5	INTL	2.9U	154		1
97	OCT	1	1301	23.59	19	24.34	155	17.13	9.62	13	3	.09	1.5	1.0	INTL	3.4U	130		1
97	OCT	1	1315	1.71	19	25.53	155	16.88	10.21	13	3	.13	2.0	1.0	INTL	2.2U	163		1
97	OCT	1	1322	38.37	19	24.80	155	15.80	13.31	12	3	.12	1.9	1.5	DEPL	2.4U	109		2
97	OCT	1	1327	44.10	19	24.93	155	17.36	9.72	12	3	.12	1.7	.9	INTL	3.0U	130		1
97	OCT	1	1335	10.77	19	25.11	155	16.34	10.24	11	1	.08	1.3	1.6	INTL	2.3U	108		1
97	OCT	1	1336	52.99	19	20.46	155	6.90	6.65	26	5	.08	.4	.7	SF4		140		5
97	OCT	1	1353	0.25	19	24.77	155	17.09	11.09	12	2	.08	1.2	1.0	INTL	2.5U	126		0
97	OCT	1	1357	33.92	19	24.10	155	17.38	8.69	11	2	.08	1.4	1.1	INTL	2.5U	135		1
97	OCT	1	1404	18.23	19	24.15	155	16.38	11.20	14	4	.05	1.2	.6	INTL	3.3U	112		1
97	OCT	1	1415	32.25	19	25.08	155	16.82	10.61	15	3	.08	.9	.8	INTL	2.5U	97		0
97	OCT	1	1418	28.39	19	25.15	155	17.07	10.59	10	2	.05	2.1	.9	INTL	2.4U	154		0
97	OCT	1	1420	52.14	19	24.65	155	17.06	9.23	10	3	.09	2.7	1.0	INTL	2.4U	137		0
97	OCT	1	1431	9.06	19	25.42	155	15.72	8.46	13	3	.09	1.3	.7	INTL	2.5U	177		2
97	OCT	1	1439	54.60	19	23.70	155	17.42	9.95	19	4	.11	.9	.7	INTL	3.3U	132		1
97	OCT	1	1459	41.77	19	24.29	155	15.95	7.99	11	3	.08	1.0	1.1	INTL	2.4U	129		1
97	OCT	1	1504	31.83	19	25.34	155	16.07	7.63	14	3	.13	1.3	1.0	INTL	2.5U	169		2
97	OCT	1	1519	23.12	19	25.02	155	16.60	10.20	12	2	.14	1.1	1.2	INTL	2.6U	99		1
97	OCT	1	1529	43.13	19	23.83	155	17.27	8.01	16	4	.09	1.0	.8	INTL	2.4U	72		1
97	OCT	1	1535	9.88	19	24.69	155	17.02	11.11	10	1	.09	1.8	1.5	INTL	2.5U	125		0
97	OCT	1	1541	57.68	19	24.67	155	17.23	9.96	12	2	.09	1.8	1.1	INTL	2.3U	129		1
97	OCT	1	1544	28.01	19	24.92	155	16.78	10.15	12	3	.07	1.0	1.0	INTL	2.9U	149		0
97	OCT	1	1602	33.80	19	24.67	155	17.84	11.04	11	2	.12	2.0	1.3	INTL	2.0U	144		1
97	OCT	1	1603	14.56	19	24.71	155	17.10	9.62	13	3	.06	1.2	.8	INTL	2.4U	127		0
97	OCT	1	1609	1.14	19	24.78	155	16.89	10.47	14	3	.08	.9	.9	INTL	2.5U	89		0
97	OCT	1	1617	59.16	19	24.90	155	16.78	10.22	12	2	.05	1.8	1.0	INTL	2.4U	160		0
97	OCT	1	1625	30.43	19	24.75	155	16.90	10.59	14	3	.04	1.2	.9	INTL		123		0
97	OCT	1	1629	52.24	19	24.33	155	17.01	7.93	13	2	.07	.9	.7	INTL	2.5U	82		1
97	OCT	1	1636	37.09	19	24.67	155	16.78	10.39	13	2	.06	.9	1.1	INTL	1.9U	132		1
97	OCT	1	1642	8.84	19	24.88	155	16.74	7.73	12	2	.09	1.0	.9	INTL	2.8U	146		0
97	OCT	1	1654	12.86	19	25.02	155	16.89	9.87	15	3	.05	.8	.8	INTL	2.4U	94		0
97	OCT	1	1700	43.14	19	24.57	155	17.43	9.08	13	3	.08	.9	1.1	INTL	2.7U	82		1
97	OCT	1	1710	28.56	19	25.12	155	16.61	9.75	12	2	.06	1.1	1.0	INTL	2.5U	154		1
97	OCT	1	1715	14.09	19	26.53	155	15.02	11.84	9	1	.04	1.9	1.6	INTL	2.0U	238		4

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	OCT	1	1716	4.00	19	24.64	155	16.98	8.48	12	2	.06	.9	.8	INTL	2.5U	93		0
97	OCT	1	1725	4.88	19	23.86	155	18.68	8.35	11	3	.07	1.9	1.4	INTL	2.3U	171		3
97	OCT	1	1735	30.77	19	23.99	155	16.20	7.89	15	4	.09	.8	.9	INTL		108		1
97	OCT	1	1742	5.75	19	25.84	155	16.24	13.91	11	2	.06	1.6	1.0	DEPL	3.0U	181		2
97	OCT	1	1747	2.20	19	25.11	155	16.54	10.27	13	3	.06	1.3	1.0	INTL	2.3U	154		1
97	OCT	1	1756	31.17	19	24.03	155	17.02	8.87	13	3	.10	.9	.8	INTL	2.0U	129		1
97	OCT	1	1758	16.41	19	24.75	155	17.03	10.16	13	3	.06	1.3	.9	INTL	2.0U	125		0
97	OCT	1	1807	41.28	19	25.34	155	16.22	11.86	12	3	.09	1.4	.7	INTL	2.5U	166		2
97	OCT	1	1812	10.86	19	24.51	155	16.65	8.81	13	3	.06	.9	.8	INTL	2.9U	125		1
97	OCT	1	1825	9.75	19	25.17	155	16.20	10.81	14	3	.05	1.4	.9	INTL	2.5U	114		1
97	OCT	1	1836	6.97	19	25.21	155	16.76	10.34	20	3	.07	.5	.6	INTL	2.8U	101		1
97	OCT	1	1846	39.12	19	25.47	155	16.41	10.02	19	3	.08	.8	.7	INTL	2.4U	110		1
97	OCT	1	1902	44.66	19	25.43	155	16.41	9.60	16	3	.08	1.0	.8	INTL	2.3U	116		1
97	OCT	1	1903	50.57	19	25.28	155	15.69	0.34	19	3	.12	.2	.5	SNCL	3.5U	124		2
97	OCT	1	1918	31.81	19	24.75	155	16.09	10.63	11	2	.08	1.3	1.2	INTL	2.5U	102		2
97	OCT	1	1929	9.05	19	24.45	155	16.19	9.04	15	3	.08	.7	.9	INTL	2.3U	89		1
97	OCT	1	1934	26.84	19	23.27	155	16.57	6.49	13	3	.11	1.1	.9	INTL	2.2U	93		1
97	OCT	1	1936	52.28	19	25.24	155	15.87	10.57	12	3	.08	1.4	1.1	INTL	2.0U	126		2
97	OCT	1	1940	33.61	19	25.21	155	17.46	10.04	12	3	.05	1.1	.9	INTL	3.5U	135		0
97	OCT	1	1959	42.91	19	24.30	155	15.16	10.81	11	2	.04	1.3	1.1	INTL	2.3U	118		2
97	OCT	1	2004	57.66	19	24.42	155	17.49	8.55	10	3	.04	2.1	.9	INTL	1.8U	139		1
97	OCT	1	2007	34.59	19	25.13	155	16.42	10.87	12	3	.10	1.8	.8	INTL	2.3U	107		1
97	OCT	1	2012	1.03	19	24.37	155	15.84	7.47	19	3	.10	.6	.7	INTL	2.4U	90		2
97	OCT	1	2020	25.92	19	25.12	155	18.07	9.29	10	2	.13	2.3	1.4	INTL	2.5U	143		1
97	OCT	1	2025	32.59	19	24.02	155	19.17	6.40	18	3	.08	.6	.9	KAOL	2.3U	159		4
97	OCT	1	2033	37.36	19	24.53	155	17.20	10.11	14	4	.07	1.5	.8	INTL	2.2U	130		1
97	OCT	1	2039	19.14	19	23.89	155	16.34	6.49	14	3	.11	.8	.7	INTL	2.2U	97		0
97	OCT	1	2045	8.13	19	23.30	155	16.28	3.82	9	1	.07	.9	.6	SECL	2.1U	105		1
97	OCT	1	2046	9.63	19	25.41	155	16.11	7.16	18	2	.09	.6	.7	INTL	2.7U	116		2
97	OCT	1	2052	38.44	19	24.11	155	17.23	5.13	11	3	.10	1.5	.8	INTL	1.7U	158		1
97	OCT	1	2056	39.09	19	25.26	155	16.31	6.89	19	3	.08	.5	.6	INTL	2.7U	111		1
97	OCT	1	2105	49.97	19	23.86	155	16.27	4.07	19	3	.10	.5	.4	SECL	2.4U	71		1
97	OCT	1	2109	45.80	20	0.59	155	35.52	5.77	18	5	.10	.6	1.2	KOH	2.6U	172		24
97	OCT	1	2113	21.97	19	24.95	155	16.08	6.50	19	3	.11	.5	.7	INTL	2.4U	110		2
97	OCT	1	2120	26.38	19	23.62	155	14.80	8.68	12	4	.13	1.6	.9	INTL	2.3U	194		2
97	OCT	1	2123	15.11	19	25.73	155	14.35	6.93	19	3	.11	.7	1.0	INTL	3.4U	157		2
97	OCT	1	2134	20.11	19	24.94	155	16.59	10.43	12	2	.09	1.7	1.3	INTL	1.8U	148		1
97	OCT	1	2142	3.00	19	24.04	155	17.05	7.57	18	3	.07	.9	.7	INTL	2.3U	124		1
97	OCT	1	2147	20.46	19	23.53	155	17.99	6.57	11	2	.09	.9	1.0	INTL	2.2U	158		2
97	OCT	1	2153	59.98	19	25.30	155	16.47	11.33	13	3	.04	1.2	1.0	INTL	2.3U	111		1
97	OCT	1	2155	33.51	19	24.95	155	16.58	10.39	15	3	.08	1.0	.8	INTL	2.5U	98		1
97	OCT	1	2202	50.69	19	24.69	155	16.96	2.20	18	3	.11	.4	.2	SNCL	1.8U	120		0
97	OCT	1	2209	29.03	19	24.77	155	16.59	9.96	11	3	.07	1.1	.8	INTL	2.5U	143		1
97	OCT	1	2217	57.38	19	24.96	155	15.53	13.06	13	3	.14	1.8	.9	DEPL	2.2U	164		2
97	OCT	1	2233	56.70	19	24.10	155	17.24	10.83	13	3	.12	1.4	1.0	INTL	2.5U	81		1

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	OCT	1	2252	6.20	19	23.54	155	16.67	11.01	15	3	.07	.8	1.0	INTL	2.4U	72		1
97	OCT	1	2257	34.55	19	24.13	155	17.61	9.20	15	3	.08	.6	.8	INTL	2.5U	83		2
97	OCT	1	2329	9.84	19	25.25	155	14.97	7.20	19	2	.15	.7	.6	INTL	3.0U	155		2
97	OCT	2	7	5.27	19	25.01	155	17.21	12.66	11	2	.15	2.6	1.6	INTL	2.4U	126		0
97	OCT	2	14	26.98	19	25.16	155	16.08	11.33	13	4	.07	1.4	1.2	INTL	1.6U	118		2
97	OCT	2	15	56.44	19	18.77	155	13.66	9.39	4511		.13	.4	.5	SF2	2.5U	70		3
97	OCT	2	20	20.58	19	24.54	155	15.12	11.21	15	4	.08	1.0	.6	INTL	2.5U	134		1
97	OCT	2	31	11.67	19	24.02	155	17.42	9.40	12	3	.11	1.2	1.6	INTL	2.5U	138		1
97	OCT	2	45	46.23	19	23.91	155	16.85	10.40	16	4	.11	1.4	.8	INTL	2.6U	124		0
97	OCT	2	51	18.79	19	18.31	155	14.84	9.04	29	2	.10	.5	.9	SF1	1.4U	112		3
97	OCT	2	110	46.88	19	24.43	155	16.11	9.18	15	3	.08	.9	.7	INTL	2.5U	90		1
97	OCT	2	128	51.12	19	25.17	155	16.24	7.25	19	3	.14	.7	.6	INTL	2.5U	111		1
97	OCT	2	150	12.16	19	24.22	155	17.28	9.91	12	3	.08	1.5	.9	INTL	2.3U	133		1
97	OCT	2	206	46.42	19	26.44	155	17.18	14.01	12	3	.14	2.7	1.6	DEPL	2.8U	104		2
97	OCT	2	232	24.75	19	22.70	155	17.80	1.66	19	3	.09	.4	.4	SSCL	2.5U	74		2
97	OCT	2	258	35.71	19	23.99	155	17.30	9.19	12	3	.09	1.7	1.0	INTL	2.3U	134		1
97	OCT	2	309	8.79	19	25.70	155	16.01	9.92	16	2	.12	1.0	1.1	INTL	2.7U	137		2
97	OCT	2	344	43.64	19	24.55	155	17.02	1.59	12	1	.10	.4	.2	SNC	2.2U	82		1
97	OCT	2	412	49.79	19	25.27	155	15.42	7.59	17	3	.08	.6	.7	INTL	1.9U	144		2
97	OCT	2	413	39.43	19	24.81	155	16.87	9.08	17	3	.10	.9	.7	INTL	2.2U	89		0
97	OCT	2	428	39.43	19	24.42	155	16.75	8.08	17	3	.09	1.0	.8	INTL	2.1U	117		1
97	OCT	2	435	42.71	19	24.56	155	15.99	14.33	13	3	.06	1.5	.9	DEPL	2.8U	96		2
97	OCT	2	508	28.80	19	24.69	155	16.90	10.79	17	3	.08	1.4	.8	INTL	2.0U	120		0
97	OCT	2	522	38.84	19	25.47	155	16.16	8.30	14	3	.12	1.3	.8	INTL	2.2U	126		2
97	OCT	2	541	3.77	19	24.60	155	14.86	5.81	10	2	.13	1.0	1.0	INTL	2.1U	125		1
97	OCT	2	553	14.08	19	25.47	155	16.84	7.40	11	3	.06	1.6	.9	INTL	1.9U	162		1
97	OCT	2	558	37.00	19	23.92	155	15.74	0.97	16	3	.12	.2	.4	SECL	2.2U	126		2
97	OCT	2	623	42.97	19	25.48	155	16.21	10.86	15	2	.06	1.2	.8	INTL	2.5U	124		2
97	OCT	2	652	12.61	19	25.61	155	16.18	13.91	12	2	.09	1.9	1.2	DEPL	2.5U	129		2
97	OCT	2	727	59.88	19	26.76	155	16.49	12.54	10	2	.09	1.8	1.0	INTL	2.2U	213		3
97	OCT	2	813	18.26	19	24.75	155	16.28	7.21	18	3	.12	.6	.6	INTL	2.5U	99		1
97	OCT	2	1123	44.58	19	26.20	155	16.13	4.66	11	1	.10	1.2	.9	SNCL	2.7U	193		3
97	OCT	2	1448	42.41	19	24.28	155	16.27	9.05	10	2	.03	1.0	.6	INTL	2.5U	125		1
97	OCT	3	1641	26.71	19	24.47	155	15.11	3.45	17	3	.11	.4	.6	SECL	2.6U	98		1
97	OCT	3	2036	13.80	19	25.63	155	19.08	7.12	32	6	.12	.4	.7	KAO	2.1U	53		3
97	OCT	4	32	37.87	19	54.10	156	12.00	44.77	43	6	.09	1.4	1.6	HUA	2.9U	297		45
97	OCT	4	247	14.14	19	24.64	155	16.89	6.87	14	3	.11	.6	.7	INTL	1.9U	86		1
97	OCT	4	426	50.37	19	23.05	155	30.82	13.75	29	3	.10	.5	.9	DML	2.3U	74		5
97	OCT	4	434	23.22	19	23.03	155	30.68	13.84	28		.09	.5	1.3	DML	1.7U	49		5
97	OCT	4	1839	58.36	19	18.73	155	15.63	8.38	36	4	.13	.5	.6	SF1	2.6U	103		4
97	OCT	4	2009	59.24	19	58.82	153	55.70	6.42	40	9	.14	9.8	12.8	DIS -	2.2U	332		117
97	OCT	5	637	2.87	19	22.43	155	15.47	29.45	32	4	.09	.9	1.0	DEP	1.7U	59		1
97	OCT	5	858	41.05	19	25.54	155	25.94	9.38	34	4	.11	.4	1.2	KAO	2.0U	38		6
97	OCT	5	1453	10.58	19	46.07	155	38.72	15.10	38	7	.15	.7	.7	KEA	3.2U	222		25
97	OCT	5	1558	16.62	19	24.92	155	17.69	7.84	11	2	.09	1.0	.8	INTL	3.0U	137		1

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	LOC REMKS	PREF MAG	RD	GAP	DS
97	OCT	5	1644	39.25	19	19.77	155	4.30	11.71	29	2	.09	.9	.5	SF5	1.4U	192	8	
97	OCT	6	436	18.57	19	17.74	155	4.78	44.49	34	5	.11	1.5	1.1	DEP	1.7U	221	6	
97	OCT	7	20	26.49	19	19.59	155	7.08	8.24	31	5	.09	.4	.5	SF4	2.3U	146	4	
97	OCT	7	329	50.65	19	17.36	155	30.68	0.00	41	8	.14	.3	.3	LSW #	2.6U	46	11	
97	OCT	7	432	56.97	19	23.92	155	27.72	11.20	31	5	.10	.4	.8	KAO	1.9U	44	3	
97	OCT	7	1246	20.66	19	22.26	155	29.93	10.23	34	3	.08	.4	.8	KAO	2.2U	52	4	
97	OCT	7	1402	5.27	19	19.82	155	7.29	9.11	35	4	.10	.5	.4	SF4	2.7U	139	5	
97	OCT	8	55	52.70	19	14.32	155	10.04	44.23	27	2	.11	1.7	1.7	DEP	1.3U	238	7	
97	OCT	8	442	59.16	20	5.88	156	5.61	41.42	23	4	.11	1.6	1.5	KOH	2.4U	283	33	
97	OCT	8	2152	2.33	19	29.06	155	28.50	9.77	33	6	.11	.3	.9	KAO	1.8U	80	6	
97	OCT	8	2200	52.49	19	21.93	155	5.77	9.36	40	6	.11	.5	.4	SF4	3.3U	141	4	
97	OCT	9	4	9.85	19	13.68	155	30.06	8.59	33	2	.14	.5	1.2	LSW	2.7U	101	9	
97	OCT	9	803	5.25	19	25.36	155	16.77	7.73	11	2	.13	1.7	1.0	INTL	2.4U	160	1	
97	OCT	9	818	27.84	19	13.87	155	7.35	48.33	33		.11	3.0	3.8	DEP	2.2U	222	7	
97	OCT	9	914	55.75	19	18.92	155	13.48	7.87	33	4	.10	.4	.7	SF2	2.3U	73	4	
97	OCT	9	1502	37.95	19	11.60	155	42.94	7.99	36	3	.14	.4	.9	LSW	2.6U	69	7	
97	OCT	9	1536	58.92	19	23.44	155	15.18	2.87	16	3	.08	.3	.4	SECL	2.7U	101	2	
97	OCT	9	2336	23.12	19	23.93	155	15.77	14.80	19	3	.08	1.3	.9	DEPL	2.1U	73	1	
97	OCT	10	157	26.63	19	47.31	155	48.25	16.02	36	5	.16	.8	1.6	HUA	2.5U	165	12	
97	OCT	10	244	54.70	19	14.94	155	29.78	9.16	32	3	.12	.4	1.2	LSW	1.8U	89	10	
97	OCT	10	716	43.91	19	25.70	155	17.61	16.47	19	3	.10	1.5	1.0	DEPL	3.0U	81	1	
97	OCT	10	744	0.88	19	19.48	155	7.78	9.72	32	4	.09	.4	.5	SF4	1.8U	129	4	
97	OCT	10	817	7.14	18	56.76	155	23.10	30.73	37	2	.08	1.5	1.3	LOI	1.9U	239	25	
97	OCT	10	1312	59.97	19	23.13	155	15.04	3.03	21	7	.09	.3	.4	SEC	2.2U	69	2	
97	OCT	10	1359	28.10	19	19.46	155	48.00	11.50	28	7	.11	.5	.4	KON	1.8U	140	10	
97	OCT	10	1537	5.31	19	47.71	155	39.80	17.54	37	8	.16	.6	4.1	KEA	2.4U	143	22	
97	OCT	10	1731	38.71	19	23.15	155	18.95	1.15	16	3	.08	.3	.7	SSCL	2.5U	213	4	
97	OCT	10	2354	31.91	19	25.06	155	14.39	9.82	19	4	.09	.9	.7	INTL	2.7U	162	1	
97	OCT	11	201	49.72	19	15.86	155	22.02	7.66	30	5	.10	.4	.7	SWR	1.5U	141	5	
97	OCT	11	455	58.32	19	23.82	155	15.47	1.23	17	3	.11	.2	.4	SECL	2.3U	78	2	
97	OCT	11	1456	21.50	19	20.25	155	10.84	9.68	5115		.12	.3	.3	SF3	3.4U	82	4	
97	OCT	11	1537	5.59	19	21.47	155	6.75	7.68	27	3	.10	.6	.8	SF4	1.9U	132	4	
97	OCT	11	1836	10.10	19	22.01	155	17.25	43.08	5012		.10	.7	.8	DEP	3.1U	41	2	
97	OCT	12	31	12.28	19	24.79	155	16.18	11.40	12	3	.15	2.3	1.1	INTL	2.9U	101	1	
97	OCT	12	44	11.12	19	21.78	155	4.66	5.71	30	2	.15	.7	1.1	SF5	2.0U	157	6	
97	OCT	12	125	37.42	19	24.45	155	15.60	9.98	13	2	.12	1.2	1.0	INTL	1.7U	96	2	
97	OCT	12	220	18.51	19	26.60	155	15.24	11.19	18	3	.11	1.2	.8	INTL	2.1U	163	3	
97	OCT	12	324	13.76	19	27.52	155	29.81	11.34	37	5	.12	.4	1.2	KAO	2.2U	49	7	
97	OCT	12	330	30.40	19	19.72	155	8.38	4.64	19	4	.09	.7	1.8	SSF	1.4U	160	4	
97	OCT	12	639	50.59	19	28.44	155	18.18	10.05	34	4	.08	.5	.6	GLN	2.0U	91	3	
97	OCT	12	819	31.62	19	20.79	155	6.39	8.97	32	5	.09	.5	.4	SF4	2.8U	145	5	
97	OCT	12	1854	16.86	19	21.79	155	30.40	9.95	35	3	.08	.3	.9	KAO	1.5U	55	5	
97	OCT	12	2209	7.39	19	26.24	155	15.72	1.81	23	5	.07	.2	.4	SNCL	2.4U	141	3	
97	OCT	13	523	2.25	18	56.88	155	25.77	36.51	22	5	.10	1.8	1.5	DLS	1.7U	249	24	
97	OCT	13	956	50.82	19	16.47	155	3.01	40.49	27	4	.12	1.7	.9	DEP	1.5U	229	9	
97	OCT	13	2119	40.55	19	24.97	155	16.02	15.30	32	4	.08	.6	.4	DEP	1.4U	101	2	
97	OCT	13	2316	59.97	19	20.09	155	8.82	8.46	42	9	.11	.4	.5	SF4	2.5U	101	4	
97	OCT	14	14	17.43	19	23.91	155	15.98	10.80	19	4	.12	1.2	.8	INTL	2.4U	72	1	
97	OCT	14	34	50.56	19	21.68	155	6.06	8.31	26	3	.10	.5	.5	SF4	1.7U	140	4	
97	OCT	14	338	39.78	19	19.42	155	11.93	7.36	27	1	.09	.4	1.1	SF3	1.5U	94	5	
97	OCT	14	405	52.98	19	24.53	155	16.53	8.47	11	3	.04	1.1	1.0	INTL	1.8U	134	1	
97	OCT	14	446	39.91	19	35.73	157	3.40	15.77	27	5	.14	5.7	13.1	DIS -	2.8U	316	130	
97	OCT	14	612	25.60	19	24.05	155	15.53	7.77	19	5	.11	.9	.6	INTL	3.0U	107	2	
97	OCT	14	754	21.82	19	26.22	155	29.59	10.76	40	7	.08	.3	.6	KAO	2.3U	42	8	
97	OCT	14	1124	33.49	19	23.34	155	15.11	3.60	19	7	.09	.4	.5	SEC	2.1U	76	2	
97	OCT	14	1236	58.07	19	24.00	155	15.41	3.71	19	3	.12	.4	.4	SEC	2.5U	73	2	
97	OCT	14	1528	58.76	19	24.48	155	16.66	9.05	12	2	.08	.9	1.2	INTL	2.0U	121	1	
97	OCT	14	1642	55.96	19	20.67	155	6.13	7.14	27	3	.11	.5	.7	SF4	1.5U	151	6	
97	OCT	14	1658	8.31	19	19.25	155	11.42	8.56	21	5	.06	.5	1.1	SF3	2.8U	102	5	
97	OCT	14	1740	38.74	19	24.79	155	16.99	11.01	16	3	.06	.9	.7	INTL	3.0U	87	0	
97	OCT	14	2100	5.56	19	25.07	155	29.60	11.21	32	3	.09	.3	.8	KAO	2.0U	43	6	
97	OCT	14	2213	24.88	19	23.56	155	31.05	12.00	35	4	.12	.4	.9	KAO	2.4U	47	4	
97	OCT	15	10	32.12	19	19.87	155	12.26	6.60	25	7	.08	.4	.8	SF3	1.5U	81	5	
97	OCT	15	549	42.24	19	21.31	155	5.98	8.44	25	4	.09	.5	.5	SF4	1.7U	145	5	
97	OCT	15	617	12.66	19	22.17	154	56.85	2.26	17	3	.12	1.3	1.0	SLE	2.3U	244	6	
97	OCT	15	618	44.31	19	26.74	154	60.00	1.99	20	3	.09	.5	1.0	SLE	2.4U	137	4	
97	OCT	15	632	34.42	19	24.50	155	17.74	9.47	10	1	.10	1.6	2.0	INTL	2.5U	87	1	
97	OCT	15	1039	40.11	19	0.94	155	29.20	39.60	28	5	.09	1.3	.9	DLS	1.7U	217	16	
97	OCT	16	228	15.43	19	25.94	155	28.35	10.75	28	6	.09	.4	.9	KAO	1.6U	61	6	
97	OCT	16	708	31.29	19	21.39	155	30.25	10.88	40	8	.10	.4	.7	KAO	3.3U	37	5	
97	OCT	16	710	29.03	19	21.23	155	30.13	10.57	30	7	.08	.3	.8	KAO	2.3U	88	5	
97	OCT	16	711	7.70	19	21.31	155	30.43	11.15	42	8	.08	.3	.6	KAO		57	5	
97	OCT	16	711	9.52	19	21.13	155	30.40	11.38	4410		.13	.4	.6	KAOF	3.9U	49	5	
97	OCT	16	718	24.89	19	21.59	155	30.21	11.37	41	5	.09	.3	.6	KAO	3.5U	37	5	
97	OCT	16	1130	21.45	19	19.33	155	7.73	8.24	37	6	.10	.5	.4	SF4	2.5U	131	4	
97	OCT	16	1833	44.24	19	16.31	155	3.64	41.18	35	5	.11	1.4	.8	DEP	1.6U	227	8	
97	OCT	16	2216	59.54	18	52.63	155	10.38	46.96	33	6	.09	1.8	1.5	LOI	2.7U	263	44	
97	OCT	16	2248	44.39	19	21.48	155	30.20	10.34	26	5	.08	.4	.8	KAO	2.2U	56	5	
97	OCT	17	1046	52.23	19	18.89	155	13.21	10.07	29	2	.10	.5	.6	SF2	2.0U	81	3	
97	OCT	17	1455	22.22	19	23.45	155	14.79	3.97	14	3	.09	.5	.6	SEC	2.4U	87	2	
97	OCT	18	504	29.07	19	19.27	155	8.53	8.00	38	7	.10	.4	.6	SF4	2.0U	107	4	
97	OCT	18	1419	57.37	19	23.38	155	14.52	4.16	41	9	.11	.3	.4	SEC	3.4U	63	2	
97	OCT	18	1440	12.85	19	25.41	157	12.69	22.37	19	2	.09	1.9	9.1	DIS	2.6U	322	142	
97	OCT	18	1442	9.61	19	24.29	157	22.58	7.07	4511		.12	7.9	9.4	DIS -	3.3U	325	159	
97	OCT	18	1534	7.16	19	25.41	155	16.86	2.70	15	3	.10	.5	.3	SNCL	2.6U	102	1	
97	OCT	18	1657	13.52	19	24.22	155	17.14	12.28	24	4	.08	.9	.5	INT	2.4U	70	1	
97	OCT	18	1819	38.34	19	33.49	155	38.44	9.57	31	7	.12	.7	1.0	MLO	1.9U	152	9	
97	OCT	18	1928	49.07	19	23.76	155	15.26	3.18	16	2	.09	.3	.4	SEC	2.8U	61	2	
97	OCT	19	123	25.66	19	14.99	155	23.92	34.36	39	5	.10	.6	1.1	DEP	2.2U	108	1	
97	OCT	19	252	4.90	19	21.81	155	15.23	12.21	25	5	.09	.7	.5	SF1	1.3U	73	2	

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	OCT	19	358	20.91	19	21.48	155	30.09	8.79	29	3	.12	.4	.7	KAO	2.6U	85		5
97	OCT	19	404	33.91	19	24.06	155	17.95	4.88	22	4	.10	.5	.6	SSC	2.0U	72		2
97	OCT	19	722	22.72	19	19.71	155	9.15	7.28	26	2	.12	.5	.8	SF3	2.0U	93		5
97	OCT	19	823	33.33	19	17.84	155	47.31	6.99	17	4	.10	.9	2.3	KON	1.7U	227		14
97	OCT	19	910	59.16	19	15.44	155	3.59	40.30	33	3	.14	1.7	1.2	DEP	2.2U	231		8
97	OCT	19	2157	36.66	19	59.26	155	18.80	14.26	44	12	.11	.9	.4	KEAF	3.6U	215		11
97	OCT	20	209	50.19	19	45.35	156	14.83	39.71	42	7	.11	1.3	1.8	HUA	2.9U	296		43
97	OCT	20	740	31.23	19	18.46	154	59.32	39.57	32	5	.10	1.6	.8	LER		248		12
97	OCT	20	1110	45.66	19	13.34	155	17.22	32.95	27	2	.13	.9	1.3	DEP	2.1U	185		9
97	OCT	20	1346	31.04	19	20.99	155	3.76	0.01	21	5	.11	.5	.3	SSF #	1.7U	179		8
97	OCT	20	1559	38.18	19	25.02	155	38.82	2.92	16	5	.12	.8	.5	MLO	2.2U	194		2
97	OCT	20	1609	27.50	19	22.01	155	6.69	7.41	38	6	.10	.4	.4	SF4	2.7U	128		3
97	OCT	21	716	48.96	19	25.11	155	39.05	2.43	15	4	.10	.5	.4	MLO	2.4U	115		3
97	OCT	21	743	52.01	19	47.61	155	40.54	23.14	16	5	.12	1.0	2.8	KEA	1.7U	196		21
97	OCT	21	1350	5.54	19	35.14	155	4.62	25.81	40	9	.11	.7	1.4	HIL	2.4U	161		19
97	OCT	21	2057	47.04	19	19.90	155	11.74	6.92	26	5	.10	.4	.7	SF3	1.7U	85		5
97	OCT	22	300	38.30	19	18.10	155	15.36	9.98	32	4	.09	.4	.5	SF1	2.4U	139		5
97	OCT	22	1140	52.74	19	22.31	155	26.73	12.33	31	2	.11	.4	1.0	KAO	2.0U	50		2
97	OCT	22	1922	10.08	19	20.01	155	11.80	7.81	27	3	.09	.4	.8	SF3	1.4U	83		5
97	OCT	22	2203	19.32	19	13.34	155	32.84	8.01	44	11	.18	.4	.9	LSW	2.8U	77		8
97	OCT	23	340	59.93	19	10.97	155	41.47	8.23	33	3	.16	.6	1.3	LSW	2.4U	77		8
97	OCT	23	555	10.88	19	20.80	155	12.76	8.27	36	4	.11	.5	.6	SF2	1.7U	70		3
97	OCT	23	638	42.88	19	22.30	155	12.66	3.93	43	10	.13	.3	.4	SER	3.4U	78		1
97	OCT	23	852	0.59	19	19.94	155	9.80	8.50	31	3	.08	.4	.7	SF3	1.5U	86		4
97	OCT	23	1028	49.06	19	17.76	155	47.43	0.02	35	5	.16	.5	.3	KON	2.2U	117		9
97	OCT	23	1604	9.34	19	22.25	155	27.17	11.86	28	1	.10	.5	1.0	KAO	1.8U	74		1
97	OCT	23	1746	3.01	19	23.89	155	49.87	11.08	27	5	.12	.8	.5	KON	2.1U	162		14
97	OCT	23	1756	3.32	19	21.18	155	13.48	9.10	49	13	.12	.3	.4	SF2	3.2U	53		3
97	OCT	23	2214	50.43	19	27.00	155	28.95	8.90	32	4	.09	.3	1.1	KAO	1.5U	46		8
97	OCT	24	248	41.32	19	19.76	155	7.74	7.18	29	1	.08	.5	.6	SF4	1.5U	128		4
97	OCT	24	945	3.21	19	24.41	155	17.45	14.83	37	7	.10	.6	.4	DEP	1.6U	44		1
97	OCT	24	1520	35.52	19	32.22	155	41.18	9.97	34	5	.10	.6	.8	MLO	2.5U	152		9
97	OCT	24	2151	11.79	19	22.24	155	18.97	30.46	43	9	.10	.6	.8	DEP	2.5U	37		4
97	OCT	25	351	34.69	19	15.80	155	32.60	10.37	33	4	.11	.3	.9	LSW	2.1U	115		8
97	OCT	25	1526	5.27	19	12.70	155	27.26	4.50	35	3	.13	.4	1.8	LSW	2.8U	116		6
97	OCT	25	1540	11.72	19	21.44	155	51.81	12.64	32	2	.13	.8	.4	KON	3.0U	154		10
97	OCT	25	1939	57.06	21	15.57	155	13.04	6.82	20	3	.11	9.1	11.4	DIS -	2.6U	341		152
97	OCT	26	336	2.95	19	19.19	155	21.56	35.10	48	10	.10	.6	.9	DEPF	4.0U	93		4
97	OCT	26	616	1.54	19	19.49	155	11.40	6.88	26	5	.08	.4	.9	SF3	1.8U	96		5
97	OCT	26	620	53.81	19	13.70	155	4.03	47.81	34	3	.10	1.5	1.5	DEP	2.4U	224		10
97	OCT	26	826	35.26	19	58.72	155	33.07	9.86	27	3	.12	.8	.6	KEAF#	2.7U	169		24
97	OCT	26	917	1.30	19	59.26	155	33.11	10.50	46	7	.11	.6	.6	KEAF	3.7U	172		24
97	OCT	26	1017	13.10	19	58.39	155	33.25	8.10	32	4	.12	.6	.7	KEA	2.4U	165		24
97	OCT	26	2158	37.39	20	6.70	156	8.94	27.22	40	3	.11	2.0	2.8	KOH	3.4U	288		39
97	OCT	26	2348	13.88	19	20.78	155	6.35	9.86	41	12	.11	.4	.3	SF4	2.5U	146		5

ORIGIN TIME				LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP	DS
97	OCT	28	1301	54.77	19	20.06	155	8.26	6.75	27	4	.07	.5	.7	SF4	2.0U	113		5
97	OCT	28	2009	55.07	19	11.29	155	15.09	49.20	30	5	.10	1.5	.9	DEP	1.8U	214		11
97	OCT	28	2049	28.81	19	59.23	155	33.40	9.50	31	5	.11	.8	.6	KEAF	2.6U	171		25
97	OCT	29	538	25.71	19	59.38	155	32.98	10.57	38	5	.09	.6	.5	KEAF	3.2U	174		24
97	OCT	29	728	5.50	19	57.37	155	19.18	13.69	32	4	.10	1.1	.4	KEAF	3.2U	208		8
97	OCT	29	731	51.50	19	54.84	155	31.60	7.94	20	5	.12	.7	1.2	KEAF	2.2U	224		16
97	OCT	29	1324	56.50	19	19.08	155	10.78	10.73	25	5	.08	.6	.8	SF3	1.9U	110		6
97	OCT	30	740	50.84	19	24.88	155	14.66	8.86	12	3	.07	1.4	.9	INTL	2.7U	179		1
97	OCT	30	1150	59.78	19	41.14	156	12.47	29.80	20	6	.15	1.8	5.4	HUA	1.9U	308		39
97	OCT	30	1458	42.16	19	45.44	156	10.58	39.88	24	6	.13	1.6	2.2	HUA	1.9U	258		36
97	OCT	30	1717	24.38	18	59.45	155	27.79	32.47	31	7	.10	1.4	1.0	DLS	1.9U	231		19
97	OCT	30	1737	58.46	19	19.50	155	7.30	7.80	24	5	.07	.4	.6	SF4	1.9U	142		4
97	OCT	30	2016	49.97	19	16.59	155	21.88	6.25	30	4	.12	.4	1.2	SWR	1.7U	133		6
97	OCT	30	2029	18.16	19	12.92	155	21.19	13.28	26	4	.08	1.0	.5	DEP	1.7U	182		6
97	OCT	30	2118	40.41	19	18.02	155	30.04	10.55	27	4	.11	.4	.8	LSW	1.6U	74		9
97	OCT	30	2214	30.67	19	30.76	155	25.56	3.13	16	4	.08	.4	.6	MLO	1.9U	115		4
97	OCT	30	2328	46.58	19	14.21	156	25.86	33.39	19	3	.10	2.4	5.1	DIS	1.9U	314		71
97	OCT	31	137	37.77	19	30.82	155	25.44	3.19	16	4	.08	.4	.5	MLO	1.9U	142		4
97	OCT	31	311	48.97	19	15.74	156	23.09	29.42	25	6	.10	1.6	5.3	DIS	2.0U	298		54
97	OCT	31	614	46.81	19	58.37	155	32.93	7.89	15	3	.12	.6	1.3	KEA	1.5U	167		23
97	OCT	31	644	32.74	19	13.33	156	22.87	37.00	37	6	.10	1.2	1.9	DIS	3.1U	283		54
97	OCT	31	949	48.60	19	20.31	155	3.16	8.95	13	2	.09	1.0	1.6	SF5		196		10
97	OCT	31	1622	3.79	20	0.46	155	19.38	14.16	20	2	.09	1.1	.5	KEA	2.5U	217		13
97	OCT	31	1755	8.09	19	20.32	155	13.36	7.84	15	4	.07	.6	1.0	SF2		120		4
97	OCT	31	1853	18.74	19	10.81	155	15.07	42.62	24	3	.10	1.6	1.2	DEP #	1.6U	244		12
97	OCT	31	2006	55.70	19	19.21	155	11.94	6.49	19	6	.06	.4	1.1	SF3	1.0U	98		5
97	OCT	31	2148	21.94	19	24.94	155	38.22	2.66	28	4	.15	.5	.5	MLO	2.5U	101		1
97	NOV	1	312	35.74	19	20.28	155	11.37	8.18	44	9	.14	.4	.5	SF3	2.2U	80		4
97	NOV	1	907	18.78	19	26.24	155	3.05	1.75	16	4	.14	1.3	.9	GLN		188		8
97	NOV	1	1507	34.29	19	28.37	154	52.78	9.72	19	3	.08	1.8	.5	LER		303		5
97	NOV	1	2117	49.90	19	15.38	155	1.57	45.64	37	4	.10	1.4	1.1	DEP	2.3U	231		12
97	NOV	1	2146	44.90	19	31.65	156	0.13	23.92	17	5	.12	1.5	3.0	KON	1.8U	286		25
97	NOV	2	350	15.40	19	56.45	155	32.23	8.85	22		.11	2.0	.6	KEA	2.5U	258		20
97	NOV	2	941	18.51	19	20.61	155	5.65	7.15	27	3	.10	.5	.6	SF4	2.0U	159		6
97	NOV	2	1822	44.70	19	27.32	155	14.73	28.55	33	5	.08	.6	.7	DEP	1.4U	113		4
97	NOV	2	1831	16.20	19	21.18	155	5.08	6.85	29	5	.12	.6	.8	SF5	1.9U	160		6
97	NOV	2	1945	52.64	19	28.36	154	50.71	7.29	16	5	.09	1.4	1.0	LER	1.7U	321		9
97	NOV	2	2253	0.50	20	1.33	155	34.99	10.16	25	4	.11	1.0	.7	KOH	2.5U	180		24
97	NOV	3	723	46.97	19	16.09	155	27.57	12.74	38	6	.14	.4	.8	LSW	3.1U	66		7
97	NOV	3	929	24.77	19	16.02	155	27.62	11.55	27	4	.13	.4	1.1	LSW	2.5U	67		7
97	NOV	3	1205	49.43	19	16.13	155	27.74	11.35	29	3	.13	.4	1.1	LSW	2.1U	66		7
97	NOV	3	1225	28.58	19	25.57	155	18.88	7.20	16	2	.08	.9	1.0	INT	1.9U	102		2
97	NOV	3	1332	38.13	19	58.81	155	19.47	13.75	29	4	.09	1.2	.5	KEA	3.1U	211		10
97	NOV	3	1713	40.77	19	17.62	155	14.84	6.50	30	4	.13	.4	.9	SF1	2.4U	123		3
97	NOV	3	2203	42.06	19	25.17	155	16.54	9.24	12	3	.11	1.6	1.2	INTL	2.2U	105		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
97	NOV	3	2208	44.74	19	23.62	155	16.65	8.86	12	2	.10	1.0	1.5	INTL	2.7U		86	1
97	NOV	4	428	31.39	19	31.31	155	14.87	26.39	32	6	.09	.7	.9	DEP	2.0U		132	7
97	NOV	4	1637	38.90	19	20.76	155	12.60	9.72	37	5	.12	.4	.6	SF2	2.3U		74	4
97	NOV	4	2026	18.31	19	18.22	155	13.09	8.61	31	6	.10	.5	.7	SF2	1.5U		97	2
97	NOV	4	2038	45.78	19	16.68	155	22.71	5.79	24	4	.11	.4	1.6	SWR	1.6U		121	5
97	NOV	4	2127	41.62	19	20.09	155	12.16	7.42	28	6	.11	.4	.8	SF3	1.4U		79	5
97	NOV	5	211	7.02	19	28.64	155	28.08	11.58	41	8	.10	.4	.4	KAO	2.8U		60	6
97	NOV	5	258	25.16	19	11.53	155	24.30	36.97	23	3	.12	1.3	1.7	DEP			171	5
97	NOV	5	1902	25.79	19	18.45	155	2.06	10.28	19	3	.10	1.3	1.0	SF5	2.9U		230	11
97	NOV	5	1909	45.67	19	12.29	155	30.85	5.62	31	1	.11	.6	1.8	LSWF	2.1U		124	7
97	NOV	5	1953	27.14	19	18.67	155	2.52	9.78	19	2	.09	.9	.9	SF5	2.9U		227	10
97	NOV	5	2312	10.81	19	21.00	155	6.45	7.46	4011		.09	.4	.5	SF4	2.4U		142	5
97	NOV	5	2321	1.68	19	13.69	155	20.06	54.17	31	6	.08	1.1	1.4	DEPT			188	7
97	NOV	6	106	19.04	19	13.17	155	20.50	40.21	35	2	.10	.9	1.5	DEPT			163	7
97	NOV	6	515	52.07	19	12.83	155	20.00	47.32	37	2	.10	.9	1.5	DEP	2.0U		166	8
97	NOV	6	521	54.22	19	12.32	155	20.04	52.68	37	3	.10	1.0	1.9	DEPT			169	8
97	NOV	6	1558	38.95	19	20.99	155	12.88	9.81	33	5	.12	.5	.6	SF2	1.9U		71	3
97	NOV	6	1606	5.50	19	11.99	155	22.11	49.33	4411		.09	.8	1.0	DEP			165	5
97	NOV	6	2007	21.85	19	11.72	155	22.27	61.27	28	3	.09	1.5	1.2	DEP	2.3U		197	6
97	NOV	7	143	39.62	19	19.50	155	11.07	10.13	4312		.12	.4	.5	SF3	3.1U		98	5
97	NOV	7	1708	25.43	19	23.34	155	21.49	12.62	30	5	.09	.5	.7	KAO	2.2U		66	8
97	NOV	7	2109	51.79	19	12.84	155	20.49	47.50	33	2	.10	1.0	1.6	DEP	1.6U		165	7
97	NOV	8	334	40.50	19	18.98	155	9.59	9.05	28	4	.09	.5	.6	SF3	1.2U		106	4
97	NOV	8	456	27.27	19	23.49	155	16.78	13.72	18	3	.13	1.6	.9	DEPL	2.3U		93	0
97	NOV	8	527	35.79	19	18.81	155	13.30	9.52	4111		.12	.4	.6	SF2	2.1U		131	7
97	NOV	8	548	6.80	19	23.39	155	16.51	7.25	16	3	.10	1.2	.9	INTL	1.7U		120	1
97	NOV	8	549	2.11	19	17.96	155	13.58	8.69	37	5	.09	.5	.5	SF2	2.4U		82	2
97	NOV	8	657	3.09	19	15.60	155	29.48	0.94	35	5	.13	.3	.6	LSW	1.9U		62	10
97	NOV	8	746	55.65	19	22.47	155	16.76	15.90	21	4	.11	1.6	.5	DEPL	2.8U		101	2
97	NOV	8	820	34.29	19	22.89	155	14.65	2.20	15	3	.12	.4	.5	SECL	2.4U		148	2
97	NOV	8	2058	30.42	19	8.89	155	15.89	68.59	28	5	.12	1.5	1.5	LOI	2.7U		248	16
97	NOV	8	2328	1.62	19	15.09	155	30.54	10.03	29	2	.15	.5	1.6	LSW	1.6U		59	11
97	NOV	9	438	2.68	19	23.61	155	15.27	3.22	3710		.12	.2	.2	SEC	2.7U		56	2
97	NOV	9	919	44.08	19	20.35	155	9.15	9.66	39	9	.11	.5	.5	SF3	2.0U		95	3
97	NOV	9	1844	57.20	19	33.37	155	37.55	9.50	35	6	.13	.7	.8	MLO	2.0U		147	8
97	NOV	9	2031	7.82	20	1.53	155	47.72	27.35	42	5	.10	.8	2.0	KOH	3.0U		181	11
97	NOV	9	2251	26.10	19	57.44	155	33.93	7.45	36	6	.13	.6	.7	KEAF	2.6U		156	23
97	NOV	9	2326	56.35	19	22.27	155	4.75	8.79	31	5	.10	.4	.5	SF5	1.6U		149	5
97	NOV	10	104	27.50	19	22.67	155	15.79	32.14	4712		.12	.6	.8	DEP	2.2U		43	1
97	NOV	10	434	52.00	19	24.13	156	5.37	38.91	34	5	.07	1.2	1.3	KON	2.3U		263	27
97	NOV	10	934	36.15	19	28.91	155	26.62	6.64	29	4	.11	.4	1.2	KAO	1.6U		61	6
97	NOV	10	1012	22.59	19	27.74	155	14.87	31.37	4411		.08	.6	.6	DEP	2.5U		95	3
97	NOV	10	1215	27.47	19	27.54	155	14.54	30.96	4912		.10	.6	.7	DEP	2.4U		95	4
97	NOV	11	248	49.14	19	23.81	155	16.54	11.67	19	5	.09	1.3	.8	INTL	2.5U		88	0
97	NOV	11	459	3.16	19	14.25	155	35.00	9.63	34	3	.16	.4	.9	LSW	2.1U		72	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
97	NOV	11	616	1.24	19	21.04	155	5.93	9.08	35	8	.08	.5	.5	SF4	2.4U		149	5
97	NOV	11	723	34.56	19	21.31	155	6.04	7.41	32	5	.10	.5	.6	SF4	1.9U		144	5
97	NOV	11	1356	32.35	19	24.22	155	16.89	14.00	43	9	.10	.4	.3	DEP	2.0U		76	1
97	NOV	12	241	53.12	19	23.30	155	15.60	6.62	16	4	.07	.8	.8	INTL	2.8U		157	2
97	NOV	12	1129	29.68	19	21.62	155	52.33	10.26	34	5	.15	1.2	.5	KON	1.1U		186	10
97	NOV	13	2057	11.78	19	23.74	155	17.07	14.20	33	4	.10	.7	.3	DEP	1.5U		65	1
97	NOV	13	2221	6.32	19	27.43	155	14.80	32.01	42	7	.10	.7	.8	DEP	2.1U		94	3
97	NOV	13	2351	37.52	19	15.06	155	24.95	36.98	38	5	.11	.7	1.3	DEP	2.1U		78	2
97	NOV	14	124	37.49	19	15.31	155	25.08	37.06	44	7	.10	.6	.9	DLS	2.7U		71	3
97	NOV	14	202	10.63	19	22.80	155	2.45	7.05	31	5	.16	.8	.9	SF5	2.1U		168	8
97	NOV	14	422	20.55	19	14.95	155	24.99	37.38	32	4	.11	.7	1.2	DEP	1.8U		84	2
97	NOV	14	950	32.01	19	27.06	154	50.36	9.13	15	2	.13	2.1	1.0	LER	1.4U		307	10
97	NOV	14	1941	22.81	19	26.01	155	20.57	7.93	25	3	.08	.5	.9	KAO	2.0U		64	3
97	NOV	14	2224	31.59	19	21.92	155	2.28	8.00	33	6	.10	.6	.5	SF5	2.6U		184	9
97	NOV	14	2321	55.58	19	59.12	155	33.13	7.93	19	2	.11	.7	1.0	KEA	1.9U		171	24
97	NOV	15	1148	17.54	19	59.86	155	32.98	9.25	18	3	.13	1.0	.9	KEA	2.2U		176	25
97	NOV	15	1235	59.71	19	18.96	155	26.57	10.40	27	5	.12	.4	1.0	LSW	2.1U		91	7
97	NOV	15	2119	10.16	19	50.00	155	22.61	21.65	37	1	.10	.9	1.8	KEA	2.7U		99	7
97	NOV	15	2227	38.85	19	20.10	155	11.40	8.39	31	4	.09	.4	.7	SF3	2.0U		83	5
97	NOV	16	429	23.62	19	26.71	155	29.80	12.37	25	4	.12	.5	1.0	KAO	1.7U		55	6
97	NOV	16	1155	37.45	19	20.66	155	13.18	9.62	37	4	.12	.5	.6	SF2	2.5U		62	4
97	NOV	16	1613	41.12	19	20.37	155	11.50	9.22	34	5	.10	.5	.6	SF3	2.5U		79	4
97	NOV	16	1648	13.45	19	23.54	155	16.76	2.95	15	3	.06	.5	.3	SSC	2.1U		89	0
97	NOV	16	1707	26.23	19	55.30	155	22.91	12.27	24	4	.14	1.0	.5	KEA	2.6U		192	5
97	NOV	16	1731	6.39	19	18.67	155	13.32	5.79	32	5	.11	.4	.9	SF2	1.7U		82	3
97	NOV	16	1903	16.69	20	6.56	155	47.94	34.10	39	5	.10	1.2	1.3	KOH	2.6U		218	3
97	NOV	16	2021	35.44	19	19.06	155	8.28	7.99	33	5	.10	.4	.5	SF4	2.2U		113	3
97	NOV	16	2334	17.91	19	19.03	155	13.68	6.78	25	4	.09	.4	.8	SF2	1.3U		67	4
97	NOV	17	441	59.23	19	25.18	155	39.48	2.12	16	4	.11	.6	.7	MLO	2.0U		123	3
97	NOV	17	1436	43.49	19	18.07	154	54.08	45.45	28	4	.09	2.3	1.1	LER	1.9U		262	15
97	NOV	17	1823	3.59	19	25.18	155	39.06	2.89	12	3	.09	.9	.6	MLO	2.5U		201	3
97	NOV	18	50	42.47	19	19.81	155	11.83	9.59	37	5	.12	.5	.6	SF3	2.6U		87	5
97	NOV	18	444	34.90	19	17.44	155	26.08	10.12	35	6	.13	.3	.7	LSW	2.1U		74	7
97	NOV	18	619	5.58	19	23.36	155	14.89	1.75	33	5	.12	.3	.3	SEC	3.3U		50	2
97	NOV	18	809	4.11	19	21.08	155	6.91	6.95	28	6	.08	.5	.7	SF4	2.1U		133	4
97	NOV	18	1609	32.58	19	21.93	155	2.30	7.15	20	3	.12	1.0	1.1	SF5	1.5U		184	9
97	NOV	18	1621	51.62	19	20.08	155	13.50	9.15	25	4	.10	.5	.8	SF2	2.2U		68	5
97	NOV	18	1945	2.87	19	56.64	155	21.69	12.12	23	5	.10	.9	.4	KEA	2.3U		222	6
97	NOV	19	801	26.58	19	19.70	155	10.96	9.27	34	5	.10	.4	.6	SF3	2.0U		93	5
97	NOV	19	1306	2.56	19	19.76	155	11.41	6.54	30	5	.11	.4	.9	SF3	2.2U		90	5
97	NOV	20	33	57.27	19	13.83	155	26.88	9.60	22	4	.12	.4	.8	LSW	1.7U		114	5
97	NOV	20	113	8.17	19	24.34	155	16.77	13.50	18	1	.08	.9	.8	DEP	1.0U		80	1
97	NOV	20	223	10.14	19	22.36	155	54.68	6.52	23	4	.17	1.4	.9	KON	1.9U		245	12
97	NOV	20	529	18.07	19	19.13	155	15.06	7.40	34	4	.12	.4	.7	SF1	1.9U		97	4
97	NOV	20	1448	0.09	19	47.62	155	4.07	49.10	27	8	.09	.9	1.0	KEA	1.6U		236	31

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG		RD	GAP	DS
97	NOV	20	1536	40.55	19	38.85	156	8.13	43.66	20	3	.10	2.2	2.8	KON	2.0U		250	42	
97	NOV	20	1724	17.96	19	14.66	155	33.27	5.88	34	2	.12	.4	1.4	LSW	2.4U		119	6	
97	NOV	21	554	56.89	19	20.37	155	8.05	9.13	501	6	.13	.4	.5	SF4	2.8U		117	4	
97	NOV	21	659	14.66	19	3.96	155	24.73	38.89	30	3	.07	1.3	1.0	LOI	1.6U		212	12	
97	NOV	21	2043	48.52	19	24.10	155	16.55	1.32	18	4	.12	.3	.2	SSCL	3.5U		99	0	
97	NOV	22	221	38.24	19	23.17	155	14.41	3.62	31	2	.12	.3	.4	SEC	3.0U		68	3	
97	NOV	22	736	14.09	19	19.92	155	8.48	11.93	25	2	.14	.8	.4	SF4			108	5	
97	NOV	22	736	16.11	19	23.82	155	16.97	15.12	34	2	.12	.5	.3	DEP	3.4U		68	1	
97	NOV	22	816	5.04	19	18.82	155	13.87	7.96	30	4	.10	.4	.7	SF2	1.6U		78	3	
97	NOV	22	911	51.44	19	24.27	155	16.56	13.58	34	3	.09	.5	.5	DEP	1.7U		80	1	
97	NOV	22	1825	58.64	19	27.49	155	22.95	10.55	30	4	.09	.4	.8	KAO	1.8U		95	4	
97	NOV	24	914	30.85	19	16.66	155	30.08	10.79	39	4	.12	.3	.9	LSW	2.3U		51	3	
97	NOV	25	241	52.24	19	44.07	155	42.69	47.25	37	6	.09	.9	1.0	KEA			189	14	
97	NOV	25	914	2.62	19	17.36	155	12.78	7.81	28	5	.10	.6	.7	SF2	2.1U		153	1	
97	NOV	25	927	35.67	19	18.79	155	13.48	8.00	29	4	.11	.5	.7	SF2	2.4U		82	3	
97	NOV	25	1317	52.11	19	25.04	155	38.99	2.45	23	5	.10	.5	.3	MLO	2.8U		191	2	
97	NOV	26	912	45.30	19	40.11	156	13.77	12.74	43	7	.13	2.8	3.8	HUA	2.6U		296	41	
97	NOV	26	1130	2.19	19	13.06	155	14.97	32.59	34	5	.11	1.3	1.1	DEP	1.7U		219	8	
97	NOV	26	1134	26.08	19	16.82	155	29.96	12.13	26	4	.12	.4	1.0	LSW	2.0U		58	3	
97	NOV	26	1524	33.98	19	25.86	155	16.17	2.13	14	3	.10	.3	.5	SNC	2.1U		138	2	
97	NOV	26	2210	44.67	19	17.64	155	12.87	7.63	34	3	.14	.5	.8	SF2	2.7U		130	2	
97	NOV	26	2224	26.31	19	34.38	155	41.13	8.11	32	5	.13	.4	1.5	MLO	2.3U		96	11	
97	NOV	27	33	7.48	19	20.78	155	13.23	6.82	33	2	.11	.4	.7	SF2	1.9U		60	3	
97	NOV	27	155	35.20	19	14.91	155	29.96	10.70	30	4	.11	.4	.7	LSW	1.4U		91	0	
97	NOV	27	248	35.12	19	18.26	155	30.64	11.02	22	3	.09	.4	.9	LSW	1.5U		68	6	
97	NOV	27	632	6.86	19	17.71	155	13.14	9.55	39	5	.10	.4	.4	SF2	2.7U		146	9	
97	NOV	27	725	20.75	19	34.24	155	41.16	8.66	22	3	.10	.5	1.4	MLO	1.7U		130	11	
97	NOV	28	652	45.60	19	26.65	155	29.50	12.85	36	4	.12	.4	.8	KAO	2.1U		44	7	
97	NOV	28	2238	15.62	19	20.33	155	11.81	7.63	28	4	.09	.4	.7	SF3	1.7U		77	5	
97	NOV	29	1129	47.11	19	54.55	155	22.54	12.19	40	4	.12	.7	.5	KEA	3.3U		181	4	
97	NOV	29	1240	57.35	19	23.34	155	31.15	11.01	25	3	.12	.4	1.0	KAO	1.4U		42	4	
97	NOV	29	1858	27.64	19	21.78	155	4.87	8.30	451	3	.11	.5	.4	SF5	3.0U		154	6	
97	NOV	30	210	9.92	19	23.27	155	14.66	3.60	18	4	.10	.4	.5	SEC	2.4U		77	3	
97	NOV	30	650	43.46	19	23.31	155	17.39	2.87	21	6	.11	.4	.3	SSC	2.3U		131	1	
97	NOV	30	736	55.09	19	23.36	155	17.13	2.78	441	1	.14	.2	.2	SSCF	3.5U		37	0	
97	NOV	30	1027	11.28	19	28.93	154	53.72	2.91	31	2	.10	1.5	.4	SLEF	2.7U		272	3	
97	DEC	1	151	1.00	19	21.21	155	24.47	13.83	29	3	.11	.5	.8	DEP	2.0U		65	6	
97	DEC	1	808	24.88	19	27.17	155	29.31	12.98	37	6	.12	.4	.8	KAO	2.1U		48	8	
97	DEC	1	1944	3.38	19	11.68	156	41.30	6.87	20	4	.13	7.6	9.6	DIS	- 2.6U		319	86	
97	DEC	3	213	26.91	19	10.28	155	29.72	45.77	29	3	.09	1.1	1.4	DLS	2.0U		108	4	
97	DEC	3	451	2.23	19	17.71	155	22.41	37.71	44	6	.11	.8	1.0	DEP	3.1U		111	7	
97	DEC	4	1305	58.66	19	29.91	155	27.18	7.07	25	5	.11	.3	.9	KAO	2.2U		77	4	
97	DEC	4	2315	57.98	19	2.98	156	21.27	16.11	19	5	.12	3.9	14.1	DIS	- 2.1U		313	56	
97	DEC	5	1510	18.42	19	20.05	155	8.06	8.35	27	3	.10	.6	.6	SF4	1.9U		117	5	
97	DEC	5	2350	33.63	19	20.19	155	12.04	7.86	36	4	.13	.5	.7	SF3	2.6U		78	5	

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG		RD	GAP	DS
97	DEC	6	509	58.95	19	18.80	155	13.19	5.36	27	4	.09	.4	1.3	SF2	1.6U		83	3	
97	DEC	6	2111	9.62	19	25.03	155	38.55	3.13	29	4	.11	.6	.5	MLO	2.9U		180	2	
97	DEC	7	649	57.00	19	21.47	155	4.79	6.33	31	5	.12	.6	.9	SF5	2.2U		160	6	
97	DEC	7	923	25.97	19	46.68	155	24.61	23.59	41	7	.09	.6	1.1	KEA	3.2U		115	5	
97	DEC	8	313	15.38	19	29.32	155	26.35	4.74	23	5	.08	.4	1.7	KAO	2.0U		100	5	
97	DEC	8	1100	41.98	19	25.97	155	18.50	7.68	33	7	.12	.6	.8	INT	2.7U		65	2	
97	DEC	8	1445	56.93	19	27.18	155	14.70	31.53	40	5	.10	.8	.9	DEP	3.0U		113	4	
97	DEC	8	1524	52.49	19	19.03	155	12.88	8.38	33	3	.10	.5	.6	SF2	2.4U		87	4	
97	DEC	8	1931	58.33	19	24.55	155	38.08	2.25	30	5	.12	.4	.3	MLO	2.7U		99	1	
97	DEC	8	1958	34.29	19	27.50	155	15.08	34.00	29	4	.11	.9	1.2	DEP	1.5U		131	3	
97	DEC	9	434	23.60	19	15.69	155	23.34	6.89	32	4	.10	.4	1.0	SWR	2.2U		123	3	
97	DEC	9	439	16.23	19	19.42	155	10.57	7.28	291	0	.10	.4	.8	SF3	1.3U		100	5	
97	DEC	9	823	6.05	19	1.88	155	25.83	46.12	28	4	.06	1.3	.9	DLS	2.5U		220	15	
97	DEC	9	1331	48.51	19	20.72	155	6.04	6.83	24	5	.12	.5	.7	SF4	1.5U		152	6	
97	DEC	9	1403	8.67	19	35.50	156	10.72	5.98	36	7	.23	1.3	1.9	KON	# 2.6U		254	60	
97	DEC	9	1732	36.53	20	45.52	156	43.24	6.81	15	4	.10	9.2	11.6	DIS	- 2.2U		339	120	
97	DEC	9	1959	18.71	19	14.29	155	27.62	6.73	32	2	.15	.4	1.2	LSW	2.3U		94	6	
97	DEC	9	2252	54.71	19	15.84	155	31.01	3.78	27	3	.19	.5	3.2	LSW	1.9U		91	11	
97	DEC	10	46	58.63	20	1.18	154	40.83	6.73	21	6	.12	8.0	10.0	KEA	- 2.0U		304	64	
97	DEC	10	400	23.28	19	11.09	155	29.67	40.84	33	5	.08	.7	1.1	DLS	1.9U		87	4	
97	DEC	10	530	58.90	20	39.15	155	58.23	7.09	37	6	.12	3.3	4.5	DIS	3.0U		327	61	
97	DEC	10	1022	32.62	19	21.35	155	5.83	8.25	39	6	.09	.5	.4	SF4	3.2U		147	5	
97	DEC	10	1319	49.13	20	41.73	155	31.81	6.27	20	4	.21	10.4	13.5	DIS	- 2.7U		322	68	
97	DEC	10	1913	33.16	19	14.56	155	31.98	11.42	30	4	.14	.4	1.0	LSW	2.5U		64	9	
97	DEC	10	2044	47.28	19	28.70	155	27.64	2.00	31	3	.12	.4	1.2	KAO	2.6U		75	6	
97	DEC	11	526	7.74	19	24.08	155	16.12	3.36	17	3	.07	.3	.3	SEC	2.4U		78	1	
97	DEC	11	652	42.25	19	45.63	155	8.63	7.00	13	3	.19	1.7	18.1	HIL	- 1.2U		270	36	
97	DEC	11	713	49.19	19	23.19	155	17.44	6.72	15	4	.13	.8	.8	INTL	3.1U		141	1	
97	DEC	11	1010	31.36	19	23.76	155	17.41	10.89	12	3	.12	1.4	1.1	INTL	2.4U		142	1	
97	DEC	11	1303	10.77	19	28.38	154	54.37	5.86	21	3	.13	2.0	.9	LER	1.8U		262	2	
97	DEC	11	1340	41.10	19	24.72	155	15.26	9.45	10	3	.09	1.4	.9	INTL	2.3U		152	2	
97	DEC	11	1817	26.62	19	23.55	155	18.10	5.99	10	3	.06	1.8	2.0	INTL	2.7U		153	2	
97	DEC	11	2007	36.42	19	24.21	155	17.59	9.06	12	1	.06	1.0	1.4	INTL	2.5U		139	2	
97	DEC	12	120	3.87	19	35.94	155	55.16	13.03	22	4	.12	1.1	.4	KON	2.0U		228	13	
97	DEC	12	335	11.72	19	25.77	155	16.22	12.02	11	2	.07	1.6	1.2	INTL	2.5U		133	2	
97	DEC	12	537	23.28	19	36.21	155	5.87	13.22	20	4	.11	1.3	2.2	HIL	2.0U		212	22	
97	DEC	12	705	51.87	20	4.23	155	33.21	8.36	21	2	.10	1.7	1.5	KEA	2.0U		315	52	
97	DEC	12	713	27.61	19	24.34	155	16.88	8.17	13	3	.08	1.1	.9	INTL	1.6U		125	1	
97	DEC	12	1038	34.60	19	24.03	155	16.73	7.68	11	2	.08	.9	1.1	INT	2.7U		116	0	
97	DEC	12	2258	57.59	19	24.08	155	17.33	10.88	13	3	.09	1.6	1.2	INT	2.4U		135	1	
97	DEC	13	515	36.42	19	59.28	155	29.12	31.73	31	3	.08	1.6	1.0	KEA	1.8U		290	18	
97	DEC	13	713	56.58	20	45.02	155	4.77	6.63	35	4	.11	8.0	10.1	DIS	- 2.7U		325	99	
97	DEC	13	1138	28.70	19	17.71	155	48.63	10.94	431	0	.10	.5	.4	KON	2.7U		113	7	
97	DEC	14	321	19.71	19	16.31	155	28.37	6.34	31	1	.12	.4	1.9	LSW	1.9U		71	8	
97	DEC	14	720	47.12	19	23.97	155	27.22	13.75	36	7	.10	.4	.9	DML	2.0U		50	3	

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS		MAG	RD	GAP	DS
97	DEC	14	835	50.61	19	21.70	155	0.92	9.58	30	6	.10	1.3	.5	SF5		1.7U	223	7	
97	DEC	14	1753	1.94	18	58.79	155	22.31	22.40	48	14	.10	.9	1.8	LOI		2.6U	254	22	
97	DEC	15	115	23.03	19	22.35	155	30.40	10.52	37	8	.08	.3	.9	KAO		2.7U	52	5	
97	DEC	15	633	58.00	19	21.28	155	12.81	10.21	34	7	.10	.6	.4	SF2		2.0U	157	3	
97	DEC	15	1411	3.74	19	25.11	155	19.43	7.45	34	8	.11	.4	.8	KAO		2.7U	69	3	
97	DEC	15	2011	0.80	19	22.47	155	6.64	9.66	31	4	.08	.8	.5	SF4		2.0U	160	2	
97	DEC	16	243	12.49	19	21.06	155	7.40	7.53	31	3	.09	.6	.5	SF4		1.5U	172	4	
97	DEC	16	1035	23.51	19	22.05	155	28.56	12.13	39	6	.11	.4	.6	KAO		3.2U	52	2	
97	DEC	16	1452	35.55	19	8.45	156	6.09	25.82	36		.09	5.8	2.3	KON		4.3U	296	28	
97	DEC	16	1510	37.15	19	28.69	155	27.93	6.85	34	9	.11	.3	1.5	KAO		2.3U	71	6	
97	DEC	17	158	21.39	19	23.23	155	29.99	11.47	43	11	.09	.3	.7	KAO		2.7U	31	4	
97	DEC	17	1212	59.82	19	24.86	155	15.76	9.54	18	4	.09	.9	.7	INT		2.3U	152	2	
97	DEC	17	1614	52.46	19	20.15	155	25.44	11.87	40	8	.11	.4	.7	KAO		2.8U	75	4	
97	DEC	17	2001	11.17	19	24.48	155	17.21	12.24	19	4	.12	1.2	1.0	INTL		2.7U	116	1	
97	DEC	17	2351	49.59	19	20.26	155	12.02	6.56	30	4	.08	.5	.8	SF3		1.7U	151	5	
97	DEC	18	241	23.80	19	23.07	155	14.95	30.43	52	17	.10	.5	.6	DEPF		3.5U	62	2	
97	DEC	18	723	16.74	19	20.37	155	10.66	7.94	29	5	.10	.6	.8	SF3		2.0U	175	3	
97	DEC	18	745	19.78	19	20.34	155	11.69	8.90	39	9	.13	.5	.5	SF3		2.5U	143	5	
97	DEC	19	1404	43.17	19	30.01	154	50.07	7.02	30	6	.14	1.6	1.1	LER		2.7U	314	10	
97	DEC	19	1647	47.68	19	23.09	155	17.27	3.07	24	7	.12	.3	.3	SSC		2.3U	83	1	
97	DEC	19	1758	25.15	19	29.87	154	51.97	39.73	31	4	.09	1.9	1.0	LER		1.8U	311	7	
97	DEC	19	1841	36.73	19	16.35	155	19.61	47.88	37	6	.11	.9	1.3	DEP		2.2U	145	3	
97	DEC	19	1943	38.54	19	23.13	155	15.09	30.29	38	6	.09	.7	.8	DEP		2.1U	52	2	
97	DEC	19	2318	49.22	19	23.58	155	15.16	2.26	21	6	.09	.3	.3	SEC		2.0U	57	2	
97	DEC	20	1157	45.17	19	24.96	155	25.99	7.22	28	3	.11	.4	1.3	KAO		2.4U	51	5	
97	DEC	21	2302	39.75	19	16.89	155	27.39	8.56	35	1	.14	.4	1.3	LSW		1.7U	56	8	
97	DEC	22	1843	42.52	19	19.31	155	13.49	7.49	35	5	.12	.5	.9	SF2		2.1U	69	4	
97	DEC	24	140	56.66	19	19.66	155	8.70	7.80	32	6	.11	1.0	.7	SF4		2.8U	203	5	
97	DEC	24	957	41.11	19	21.56	155	8.60	8.86	34	9	.08	.8	.5	SF4		2.6U	193	2	
97	DEC	24	1110	26.66	19	12.30	155	42.27	7.19	27		.18	.7	2.1	LSW		2.6U	69	9	
97	DEC	24	1817	14.15	19	22.69	155	3.54	8.20	30	2	.13	1.5	.6	SF5		1.9U	196	7	
97	DEC	24	2258	41.90	20	22.95	156	4.93	15.58	35	3	.12	6.3	12.4	KOH	-	3.1U	319	42	
97	DEC	25	113	34.77	19	15.10	155	28.74	31.68	40	9	.08	.5	.9	DLS		2.7U	101	10	
97	DEC	26	957	37.03	19	49.29	155	46.72	9.82	33	4	.14	.6	.6	HUA		3.4U	170	34	
97	DEC	26	1400	15.76	19	21.09	155	1.93	7.76	32	7	.10	1.1	.6	SF5		2.6U	216	11	
97	DEC	26	1404	47.91	19	24.03	155	15.64	2.76	31	8	.11	.3	.2	SEC		2.8U	76	2	
97	DEC	26	1417	12.97	19	23.96	155	15.50	2.89	18	5	.10	.3	.4	SEC		2.3U	74	2	
97	DEC	26	1531	1.74	19	25.58	155	18.09	16.52	15	3	.07	1.6	1.0	DEPL		2.3U	151	1	
97	DEC	27	1008	4.57	19	20.13	155	19.78	30.39	43	12	.10	.6	.8	DEP		3.1U	126	4	
97	DEC	27	1811	27.55	20	6.68	156	40.69	0.42	40	7	.14	7.4	2.0	DIS	#	3.3U	309	94	
97	DEC	28	338	0.39	19	26.25	155	14.61	11.31	27	3	.09	.8	.5	INTL		3.4U	138	3	
97	DEC	28	2202	59.40	19	24.35	155	30.46	14.42	29	5	.10	.4	.8	DML		1.9U	52	6	
97	DEC	29	40	14.07	19	24.60	155	17.69	3.94	22	5	.11	.6	.3	SNC		2.3U	94	1	
97	DEC	29	1735	18.47	19	20.46	155	13.11	9.64	48	17	.12	.6	.3	SF2F		3.7U	180	4	
97	DEC	30	136	44.61	19	23.75	155	15.66	0.03	15	3	.10	.2	.4	SECL	#	2.3U	100	2	

ORIGIN TIME					LAT N		LON W		DEPTH	N	N	RMS	ERH	ERZ			PREF	N	AZ	MIN
YR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS		MAG	RD	GAP	DS
97	DEC	30	214	51.92	19	27.20	154	50.87	8.83	39	11	.12	1.3	.4	LER		3.4U	290	8	
97	DEC	30	2008	37.40	19	19.20	155	13.20	7.40	31	6	.11	.6	.8	SF2		1.9U	196	6	
97	DEC	31	203	47.51	19	58.12	155	42.33	16.79	29		.10	2.5	12.6	KOH	-	3.2U	147	19	
97	DEC	31	301	29.01	19	27.90	155	23.85	10.21	34	9	.10	.4	.6	KAO		2.0U	88	4	
97	DEC	31	350	59.42	20	3.73	155	50.82	12.99	27		.11	4.3	3.3	KOH		2.4U	221	10	
97	DEC	31	642	40.97	19	38.45	155	21.70	35.64	33	7	.08	1.3	.9	KEA		1.9U	219	14	
97	DEC	31	721	3.87	19	57.05	155	50.40	15.08	27	2	.13	6.1	10.5	KOH	-	2.4U	306	53	
97	DEC	31	1133	46.27	19	20.84	155	11.40	9.46	33	9	.12	.7	.6	SF3		2.3U	202	4	
97	DEC	31	1148	52.54	19	29.03	155	15.51	10.86	40	12	.09	.4	.4	GLN		2.2U	126	3	
97	DEC	31	1545	33.82	19	23.66	155	17.29	9.40	16	3	.10	1.0	.8	INTL		2.3U	129	1	
97	DEC	31	1800	3.80	19	12.86	155	32.89	50.92	24		.10	1.4	4.8	DLST			129	8	
97	DEC	31	2320	22.35	19	24.23	155	17.40	11.15	16	5	.08	1.7	.7	INTL		2.3U	157	1	

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
97	JAN	31	1408	8.19	19	25.97	155	15.12	1.84	40	9	.10	.2	.3	SNCF	3.3X	2	107	3
97	FEB	2	1257	47.65	19	21.03	155	15.60	0.23	34	3	.11	.2	.5	KOA	3.2X	1	108	3
97	FEB	2	1855	42.16	20	8.10	155	47.82	25.64	4811		.12	1.0	1.0	KOHF	3.2X	9	281	2
97	FEB	2	2356	19.29	19	48.67	156	7.89	8.94	43	8	.13	1.0	.6	HUAF	3.5X	7	288	34
97	FEB	9	2123	19.07	20	20.28	156	22.04	5.92	43	6	.14	4.1	4.8	DIS #	3.0X	4	314	66
97	MAR	13	955	20.71	18	56.72	155	31.99	42.74	4816		.09	.8	1.0	DLSF	3.3X	6	239	14
97	MAR	16	419	1.18	19	22.59	155	4.89	10.21	42	8	.11	.8	.4	SF5F	3.6X	1	169	5
97	APR	16	1455	56.50	19	25.71	155	15.32	1.58	37	7	.11	.2	.4	SNCF	3.0X	1	109	3
97	MAY	9	828	46.03	20	5.75	156	5.69	38.67	5210		.12	1.2	1.3	KOHF	3.4X	9	278	33
97	MAY	17	37	41.02	19	33.86	155	57.87	10.40	4713		.13	.9	.5	KONF	3.5X	4	214	19
97	JUN	16	227	18.07	19	47.88	156	9.56	9.34	5111		.10	.7	.9	HUAF	3.1X	8	255	36
97	JUN	30	547	39.48	19	21.13	155	4.02	9.16	39	2	.12	.7	.4	SF5F	5.1D	1	173	8
97	JUL	7	901	57.92	20	5.38	155	31.60	31.55	5110		.10	.8	1.6	KEAF	3.3X	10	216	27
97	AUG	14	1554	38.64	19	20.03	155	6.90	8.93	45	6	.12	.6	.4	SF4F	4.5D	1	145	5
97	SEP	6	1632	16.46	19	22.01	155	12.69	3.30	34	5	.11	.3	.4	SER	3.1U		87	1
97	SEP	10	212	30.73	19	20.15	155	10.60	8.61	37	6	.09	.4	.4	SF3	3.1U		84	4
97	SEP	12	537	4.62	19	26.04	155	19.93	8.04	4311		.12	.4	.6	KAO	3.1U		61	3
97	SEP	13	227	17.12	20	5.49	155	23.29	9.78	36	2	.11	1.0	1.1	KEA	3.0U		227	23
97	SEP	17	327	0.75	19	25.43	155	15.79	4.45	14	4	.13	.8	.6	SNCL	3.5U		177	2
97	SEP	17	338	57.89	19	24.27	155	16.07	4.44	9	2	.08	1.0	.8	SECL	3.4U		128	1
97	SEP	17	357	14.41	19	24.95	155	17.42	7.46	11	3	.09	1.2	.8	INTL	3.0U		132	1
97	SEP	17	409	50.79	19	23.52	155	17.00	4.79	7	1	.08	.9	.9	SSCL	3.1U		157	0
97	SEP	17	436	32.01	19	25.05	155	16.70	10.52	15	3	.06	.9	.7	INTL	3.1U		99	1
97	SEP	17	530	41.73	19	25.44	155	16.68	11.24	15	4	.13	1.3	1.2	INTL	3.0U		108	1
97	SEP	17	550	32.96	19	26.04	155	16.17	9.24	16	2	.09	.9	.7	INTL	3.4U		138	3
97	SEP	17	620	12.75	19	24.95	155	17.61	6.47	14	2	.10	.5	.9	INTL	3.4U		84	1
97	SEP	17	657	26.83	19	23.99	155	17.65	15.25	14	4	.11	1.4	.9	DEPL	3.3U		87	2
97	SEP	17	910	10.16	19	24.55	155	16.44	9.16	12	3	.12	1.5	.8	INTL	3.4U		138	1
97	SEP	17	957	48.89	19	25.14	155	17.42	7.71	11	3	.09	.9	.7	INTL	3.4U		84	1
97	SEP	17	1101	29.45	19	23.90	155	18.20	12.23	16	4	.19	1.6	1.2	INTL	3.1U		153	2
97	SEP	17	1134	39.23	19	24.85	155	17.12	6.77	12	2	.10	.8	1.1	INTL	3.0U		105	0
97	SEP	17	1156	26.19	19	27.11	155	16.57	11.02	8	1	.10	1.9	1.6	INTL	3.0U		220	4
97	SEP	17	1216	33.49	19	23.13	155	15.00	11.96	15	4	.10	1.3	.8	INTL	3.3U		195	2
97	SEP	17	1318	40.70	19	24.89	155	15.84	4.95	12	3	.13	1.2	.8	SNCL	3.0U		153	2
97	SEP	17	1353	54.39	19	24.53	155	17.32	6.69	15	4	.11	.8	.6	INTL	3.0U		131	1
97	SEP	17	1415	56.37	19	25.62	155	16.56	12.86	14	3	.11	1.9	.9	INTL	3.1U		117	2
97	SEP	17	1427	4.04	19	25.57	155	16.95	11.89	14	2	.07	.7	1.1	INTL	3.0U		103	1
97	SEP	17	1500	4.32	19	24.12	155	17.30	10.38	15	4	.11	1.3	1.0	INTL	3.2U		133	1
97	SEP	17	1607	19.10	19	25.03	155	17.07	11.85	16	4	.08	1.1	.9	INTL	3.0U		123	0
97	SEP	17	1630	38.84	19	24.77	155	17.29	8.40	14	3	.05	.9	.9	INTL	3.1U		130	1
97	SEP	17	1646	7.55	19	25.83	155	15.38	9.36	14	3	.11	1.6	1.0	INTL	3.0U		201	3
97	SEP	17	1715	39.42	19	24.55	155	17.63	7.56	15	2	.09	.9	.8	INTL	3.0U		83	1
97	SEP	17	1735	55.93	19	23.92	155	17.20	7.06	13	3	.09	.9	.9	INTL	3.0U		135	1
97	SEP	17	1813	4.17	19	24.67	155	17.64	10.75	15	2	.09	.8	1.1	INTL	3.0U		83	1
97	SEP	17	1922	53.71	19	25.33	155	16.54	12.39	14	2	.05	.9	1.1	INTL	3.0U		110	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
97	SEP	17	1949	33.52	19	25.38	155	16.27	10.08	14	2	.06	.8	.9	INTL	3.2U		119	2
97	SEP	17	2157	23.73	19	24.87	155	16.84	8.80	13	2	.07	.9	1.1	INTL	3.0U		92	0
97	SEP	18	311	54.64	19	24.38	155	17.53	9.79	18	3	.08	.9	.8	INTL	3.1U		131	1
97	SEP	19	18	13.75	19	25.00	155	16.37	7.83	13	4	.11	.8	1.0	INTL	3.0U		105	1
97	SEP	19	1446	45.84	19	24.17	155	17.79	9.07	14	3	.08	1.2	.8	INTL	3.0U		136	2
97	SEP	19	1958	24.79	19	24.26	155	16.36	11.80	21	5	.08	.9	.7	INTL	3.0U		81	1
97	SEP	20	905	1.15	19	24.12	155	16.49	10.92	19	4	.09	1.1	.8	INTL	3.0U		96	0
97	SEP	20	1549	33.67	19	25.63	155	15.31	10.29	12	2	.12	1.6	1.3	INTL	3.2U		196	2
97	SEP	20	1708	10.50	19	24.62	155	15.83	2.56	16	3	.10	.3	.3	SNCL	3.4U		101	2
97	SEP	20	2253	30.80	19	10.39	155	31.87	32.43	45	8	.08	.6	1.0	DLSF	3.6U		111	7
97	SEP	23	918	32.65	19	19.25	155	11.95	9.45	42	9	.12	.5	.5	SF3	3.3U		97	5
97	SEP	28	137	18.83	19	24.12	155	16.23	1.43	17	3	.11	.3	.3	SECL	3.3U		78	1
97	SEP	29	1222	10.20	19	24.64	155	15.85	7.64	16	3	.08	.8	.9	INTL	3.0U		102	2
97	OCT	1	706	12.00	18	54.82	155	16.05	13.60	29	4	.11	1.4	.8	LOI	3.1U		253	34
97	OCT	1	1113	50.13	19	24.35	155	16.14	0.34	19	3	.12	.2	.4	SECL	3.0U		86	1
97	OCT	1	1142	48.39	19	24.87	155	16.26	5.51	14	2	.15	.9	1.1	INTL	3.0U		102	1
97	OCT	1	1153	10.38	19	22.71	155	17.56	2.60	11	3	.14	.7	.8	SSCL	3.0U		114	2
97	OCT	1	1206	1.51	19	25.01	155	15.64	10.06	14	3	.08	1.1	1.0	INTL	3.3U		123	2
97	OCT	1	1301	23.59	19	24.34	155	17.13	9.62	13	3	.09	1.5	1.0	INTL	3.4U		130	1
97	OCT	1	1327	44.10	19	24.93	155	17.36	9.72	12	3	.12	1.7	.9	INTL	3.0U		130	1
97	OCT	1	1404	18.23	19	24.15	155	16.38	11.20	14	4	.05	1.2	.6	INTL	3.3U		112	1
97	OCT	1	1439	54.60	19	23.70	155	17.42	9.95	19	4	.11	.9	.7	INTL	3.3U		132	1
97	OCT	1	1742	5.75	19	25.84	155	16.24	13.91	11	2	.06	1.6	1.0	DEPL	3.0U		181	2
97	OCT	1	1903	50.57	19	25.28	155	15.69	0.34	19	3	.12	.2	.5	SNCL	3.5U		124	2
97	OCT	1	1940	33.61	19	25.21	155	17.46	10.04	12	3	.05	1.1	.9	INTL	3.5U		135	0
97	OCT	1	2123	15.11	19	25.73	155	14.35	6.93	19	3	.11	.7	1.0	INTL	3.4U		157	2
97	OCT	1	2329	9.84	19	25.25	155	14.97	7.20	19	2	.15	.7	.6	INTL	3.0U		155	2
97	OCT	5	1453	10.58	19	46.07	155	38.72	15.10	38	7	.15	.7	.7	KEA	3.2U		222	25
97	OCT	5	1558	16.62	19	24.92	155	17.69	7.84	11	2	.09	1.0	.8	INTL	3.0U		137	1
97	OCT	8	2200	52.49	19	21.93	155	5.77	9.36	40	6	.11	.5	.4	SF4	3.3U		141	4
97	OCT	10	716	43.91	19	25.70	155	17.61	16.47	19	3	.10	1.5	1.0	DEPL	3.0U		81	1
97	OCT	11	1456	21.50	19	20.25	155	10.84	9.68	5115		.12	.3	.3	SF3	3.4U		82	4
97	OCT	11	1836	10.10	19	22.01	155	17.25	43.08	5012		.10	.7	.8	DEP	3.1U		41	2
97	OCT	14	612	25.60	19	24.05	155	15.53	7.77	19	5	.11	.9	.6	INTL	3.0U		107	2
97	OCT	14	1740	38.74	19	24.79	155	16.99	11.01	16	3	.06	.9	.7	INTL	3.0U		87	0
97	OCT	16	708	31.29	19	21.39	155	30.25	10.88	40	8	.10	.4	.7	KAO	3.3U		37	5
97	OCT	16	711	9.52	19	21.13	155	30.40	11.38	4410		.13	.4	.6	KAOF	3.9U		49	5
97	OCT	16	718	24.89	19	21.59	155	30.21	11.37	41	5	.09	.3	.6	KAO	3.5U		37	5
97	OCT	18	1419	57.37	19	23.38	155	14.52	4.16	41	9	.11	.3	.4	SEC	3.4U		63	2
97	OCT	18	1442	9.61	19	24.29	157	22.58	7.07	4511		.12	7.9	9.4	DIS -	3.3U		325	159
97	OCT	19	2157	36.66	19	59.26	155	18.80	14.26	4412		.11	.9	.4	KEAF	3.6U		215	11
97	OCT	23	638	42.88	19	22.30	155	12.66	3.93	4310		.13	.3	.4	SER	3.4U		78	1
97	OCT	23	1756	3.32	19	21.18	155	13.48	9.10	4913		.12	.3	.4	SF2	3.2U		53	3
97	OCT	25	1540	11.72	19	21.44	155	51.81	12.64	32	2	.13	.8	.4	KON	3.0U		154	10
97	OCT	26	336	2.95	19	19.19	155	21.56	35.10	4810		.10	.6	.9	DEPF	4.0U		93	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
97	OCT	26	917	1.30	19	59.26	155	33.11	10.50	46	7	.11	.6	.6	KEAF	3.7U		172	24
97	OCT	26	2158	37.39	20	6.70	156	8.94	27.22	40	3	.11	2.0	2.8	KOH	3.4U		288	39
97	OCT	29	538	25.71	19	59.38	155	32.98	10.57	38	5	.09	.6	.5	KEAF	3.2U		174	24
97	OCT	29	728	5.50	19	57.37	155	19.18	13.69	32	4	.10	1.1	.4	KEAF	3.2U		208	8
97	OCT	31	644	32.74	19	13.33	156	22.87	37.00	37	6	.10	1.2	1.9	DIS	3.1U		283	54
97	NOV	3	723	46.97	19	16.09	155	27.57	12.74	38	6	.14	.4	.8	LSW	3.1U		66	7
97	NOV	3	1332	38.13	19	58.81	155	19.47	13.75	29	4	.09	1.2	.5	KEA	3.1U		211	10
97	NOV	7	143	39.62	19	19.50	155	11.07	10.13	4312		.12	.4	.5	SF3	3.1U		98	5
97	NOV	9	2031	7.82	20	1.53	155	47.72	27.35	42	5	.10	.8	2.0	KOH	3.0U		181	11
97	NOV	18	619	5.58	19	23.36	155	14.89	1.75	33	5	.12	.3	.3	SEC	3.3U		50	2
97	NOV	21	2043	48.52	19	24.10	155	16.55	1.32	18	4	.12	.3	.2	SSCL	3.5U		99	0
97	NOV	22	221	38.24	19	23.17	155	14.41	3.62	31	2	.12	.3	.4	SEC	3.0U		68	3
97	NOV	22	736	16.11	19	23.82	155	16.97	15.12	34	2	.12	.5	.3	DEP	3.4U		68	1
97	NOV	29	1129	47.11	19	54.55	155	22.54	12.19	40	4	.12	.7	.5	KEA	3.3U		181	4
97	NOV	29	1858	27.64	19	21.78	155	4.87	8.30	4513		.11	.5	.4	SF5	3.0U		154	6
97	NOV	30	736	55.09	19	23.36	155	17.13	2.78	4411		.14	.2	.2	SSCF	3.5U		37	0
97	DEC	3	451	2.23	19	17.71	155	22.41	37.71	44	6	.11	.8	1.0	DEP	3.1U		111	7
97	DEC	7	923	25.97	19	46.68	155	24.61	23.59	41	7	.09	.6	1.1	KEA	3.2U		115	5
97	DEC	8	1445	56.93	19	27.18	155	14.70	31.53	40	5	.10	.8	.9	DEP	3.0U		113	4
97	DEC	10	530	58.90	20	39.15	155	58.23	7.09	37	6	.12	3.3	4.5	DIS	3.0U		327	61
97	DEC	10	1022	32.62	19	21.35	155	5.83	8.25	39	6	.09	.5	.4	SF4	3.2U		147	5
97	DEC	11	713	49.19	19	23.19	155	17.44	6.72	15	4	.13	.8	.8	INTL	3.1U		141	1
97	DEC	16	1035	23.51	19	22.05	155	28.56	12.13	39	6	.11	.4	.6	KAO	3.2U		52	2
97	DEC	16	1452	35.55	19	8.45	156	6.09	25.82	36		.09	5.8	2.3	KON	4.3U		296	28
97	DEC	18	241	23.80	19	23.07	155	14.95	30.43	5217		.10	.5	.6	DEPF	3.5U		62	2
97	DEC	24	2258	41.90	20	22.95	156	4.93	15.58	35	3	.12	6.3	12.4	KOH -	3.1U		319	42
97	DEC	26	957	37.03	19	49.29	155	46.72	9.82	33	4	.14	.6	.6	HUA	3.4U		170	34
97	DEC	27	1008	4.57	19	20.13	155	19.78	30.39	4312		.10	.6	.8	DEP	3.1U		126	4
97	DEC	27	1811	27.55	20	6.68	156	40.69	0.42	40	7	.14	7.4	2.0	DIS #	3.3U		309	94
97	DEC	28	338	0.39	19	26.25	155	14.61	11.31	27	3	.09	.8	.5	INTL	3.4U		138	3
97	DEC	29	1735	18.47	19	20.46	155	13.11	9.64	4817		.12	.6	.3	SF2F	3.7U		180	4
97	DEC	30	214	51.92	19	27.20	154	50.87	8.83	3911		.12	1.3	.4	LER	3.4U		290	8
97	DEC	31	203	47.51	19	58.12	155	42.33	16.79	29		.10	2.5	12.6	KOH -	3.2U		147	19