Hawaiian Volcano Observatory Seismic Data, January to December 2008

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Introduction

The U.S. Geological Survey (USGS), Hawaiian Volcano Observatory (HVO) summary presents seismic data gathered during the year. The seismic summary is offered without interpretation as a source of preliminary data and is complete in that most data for events of $M \geq 1.5$ are included. All latitude and longitude references in this report are stated in Old Hawaiian Datum.

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 necessitated an annual publication, beginning with Summary 74 for the year 1974. Beginning in 2004, summaries are simply identified by the year, rather than by summary number.

Summaries originally issued as administrative reports were republished in 2007 as Open-File Reports. All the summaries since 1956 are listed at <http://geopubs.wr.usgs.gov/> (last accessed 09/21/2009).

In January 1986, HVO adopted CUSP (California Institute of Technology USGS Seismic Processing). Summary 86 includes a description of the seismic instrumentation, calibration, and processing used in recent years. The present summary includes background information about the seismic network to provide the end user an understanding of the processing parameters and how the data were gathered.

A report by Klein and Koyanagi (1980)¹ tabulates instrumentation, calibration, and recording history of each seismic station in the network. 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.

Figures 11-14 are maps showing computer-located hypocenters. The maps were generated using the Generic Mapping Tools (GMT <http://gmt.soest.hawaii.edu/>, last accessed 09/21/2009) in place of traditional Qplot maps.

Acknowledgment:

We thank Frederique le Clerc for creating the GMT script and template files for the location maps.

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¹Klein, 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.

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 geophones, are deployed as single-component, vertical-only units or as three-component combinations of one vertical and two orthogonal horizontal units. The 2008 network consisted of 48 station sites: 10 three-component, 1 six-component (which included a three-component Kinematic Force-Balance accelerometer), 2 four-component (Uwēkahuna included a low-gain vertical with a unity gain setting; ‘Ainapō included a moderate-gain vertical with a 48db setting), 2 two-component (each site included a moderate-gain vertical with a 48-db setting), and 33 vertical-component-only sites. The network coverage is most dense on and around Kīlauea Volcano. During 1999, HVO added to the network three vertical-component-only sites on the Island of Maui; these sites were not in operation during 2008. All seismic signals from the network are telemetered in real time to HVO for recording.

The National Ocean and Atmospheric Administration (NOAA), Pacific Tsunami Warning Center (PTWC), operates and maintains a network of stations on the islands of Hawai‘i, Maui, and O‘ahu. In 1999, radio links were established to share real-time data between PTWC and HVO. PTWC signals from one O‘ahu three-component station and one Maui and five Hawai‘i vertical-component-only stations were telemetered to HVO for recording. During 2008, telemetered signals were converted to real-time internet data streams between HVO and PTWC.

Figure 1 is a map of selected geographic and geologic features. Figure 2 shows the sites of seismic stations operated by HVO and PTWC on the Island of Hawai‘i during 2008. Figure 3 indicates the telemetry scheme for the seismic stations on Hawai‘i Island, and figures 4 shows expanded views of the telemetry schemes at Kīlauea summit—4A, HVO seismic stations and 4B, a broadband network installed by the USGS Menlo Park office that is maintained by HVO. Figure 5 indicates the telemetry scheme for the seismic stations on Maui Island.

Table 1 lists seismic stations by site name, four-letter component codes, coordinates in degrees and minutes, elevation in meters, and other data, as described below, pertaining to each component. The list includes all station components operated by HVO during 2008 and reviewed in CUSP by the data analysts. All station names with field sensors installed at the site remained on the list, though operation may not have been continuous. Seismic-station components operated by PTWC on the Islands of Hawai‘i, O‘ahu, and Maui are also listed. Phase readings from PTWC stations that are not telemetered to HVO are used to supplement data for local earthquakes and earthquakes that occur within the Hawaiian Archipelago but are distant from the Hawai‘i Island network.

Instrumentation and Recording

Each telemetered station’s data channel has a voltage-controlled oscillator (VCO) for FM multiplex transmission to HVO by 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, signals pass through an analog-to-digital converter as part of the routine computer location processing and archiving. Through July 2001, continuous signals from the telemetered network were saved on 4-mm digital-audio tape (DAT) recording units. Three DAT recorders ran in automatic rotation as each ~20-hr tape was filled. Optic recordings are coded in table 1 as follows: H, Helicorder paper, and I, ink paper. DAT and paper records are archived at HVO.

Beginning in April 2007, continuous signals have been archived locally to a hard disk, though they were not accessible for viewing on the CUSP timing platform.

Seismograph Response and Calibration

The response curve for the short-period seismograph type in use is given in figure 6. The Type 1 curve gives the magnification of the standard EHT system from ground motion at the seismometer to the seismic trace, as would be seen on a 20x Develocorder film viewer. The curve plots the unit response, which is multiplied by CAL, a station’s constant but known calibration factor, to get the response for that 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 normally is performed each time a station is visited for other required maintenance. Though Develocorder operations have ceased, calculations continue to be based on Develocorder equivalents.

Figure 1. Map of Hawai'i Island showing principal settlements and other selected geologic features. The contours are in 1,000-foot intervals.

Figure 2. The 2008 Hawaiian Volcano Observatory and Pacific Tsunami Warning Center seismic network on Hawai'i Island.

Figure 3. Telemetry scheme for the 2008 Hawaiian Volcano Observatory and Pacific Tsunami Warning Center seismic network on Hawai'i Island. Figure 4 is an expanded view of Kilauea summit, indicated by the broken line.

Figure 4. Expanded view of the Kīlauea summit inset in figure 3 showing the telemetry scheme for A, the 2008 Hawaiian Volcano Observatory seismic network sites and B, the 2008 U.S. Geological Survey Menlo Park broadband seismic network on Hawai'i Island.

Figure 5. Telemetry scheme for the 2008 Hawaiian Volcano Observatory and Pacific Tsunami Warning Center seismic network on Maui Island, Hawai'i. The HVO stations were not in operation and, thus, produced no phase data for the 2008 catalog.

Table 1. Seismic-station sites and components operated by the U.S. Geological Survey in Hawai'i during 2008.

[During the year, there may have been outage periods that required station maintenance at certain sites.]

STATION NAME	CODE	--LAT---		---LON---		ELEV (M)	DELAY 1	DELAY 2	CAL	SEIS TYPE	OPTIC RECORD
		D	M	D	M						
AHUA	AHUV	19	22.40	155	15.90	1070	-0.10	-0.13	2.6	L5	I
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	
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	I
DIAMOND HEAD, OADHHZ	OADHHZ	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	
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	
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	
HONUPO	HPOZ	19	5.34	155	33.23	15	0.00	0.00	0.0	S13	
HALE POHAKU	HPUV	19	46.72	155	27.54	3396	0.31	0.17	3.3	L5	
HUMUULA SHEEP	STHSSV	19	36.31	155	29.13	2445	0.20	0.35	4.0	L5	
HUMUULA SHEEP	STHSSE	19	36.31	155	29.13	2445	0.20	0.35	3.0	L5	MW
HUMUULA SHEEP	STHSSN	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	
HEIHEIAHULU	HULV	19	25.13	154	58.72	369	-0.17	-0.16	1.6	L5	H
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	KAAPV	19	15.98	155	52.28	524	-0.12	-0.01	3.3	E5	
KAENA POINT	KAEPV	19	17.35	155	7.95	37	-0.01	0.06	1.4	L5	
KANAHOU, MAUI	KANV	20	41.60	156	17.84	2745	0.00	0.00	0.0	L5	
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	
PUU KALIU	KLUV	19	27.48	154	55.26	271	-0.17	-0.30	3.4	L5	
KANE NUI O HAMO	KNHV	19	22.95	155	10.32	954	-0.17	-0.20	0.0	L5	I
KANE NUI O HAMO	KNHZ	19	22.95	155	10.32	954	-0.17	-0.20	0.0	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	
KUPAINAHA	KUPV	19	24.32	155	4.68	646	-0.25	-0.30	0.0	L5	
LUALAILUA, MAUI	LLAV	20	37.62	156	18.62	683	0.00	0.00	0.0	L5	
LAUPAHOEHOE	LPHZ	19	59.82	155	14.58	1	0.00	0.00	0.0	S13	
MAHUKONA	MHAZ	20	11.27	155	54.18	1	0.00	0.00	0.0	S13	
MAUNA LOA	MLOV	19	29.80	155	23.30	2010	0.03	0.08	5.6	L5	I
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
MOKUAWEOWEO	MOKV	19	29.28	155	35.98	4104	0.15	0.16	4.2	L5	IH

STATION NAME	CODE	--LAT--		---LON---		ELEV (M)	DELAY 1	DELAY 2	CAL	SEIS OPTIC	
		D	M	D	M					TYPE	RECORD
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	IH
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
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 ESTATE	OVEV	19	9.21	155	45.92	1378	0.00	0.00	0.0	L5	
PAUAAHI	PAUV	19	22.62	155	13.10	994	-0.21	-0.24	2.9	L5	
PAUAAHI	PAUE	19	22.62	155	13.10	994	-0.21	-0.24	3.0	L5	MW
PAUAAHI	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	I
PUUOKALI, MAUI	POKV	20	44.00	156	23.32	511	0.00	0.00	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	
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	H
RAINSHED	RSDV	19	27.78	155	16.68	1270	0.06	0.15	0.0	L5	
SOUTH POINT	SPDV	18	58.94	155	40.24	250	-0.17	-0.22	0.0	L5	
SOUTH POINT	SPDE	18	58.94	155	40.24	250	-0.17	-0.22	0.0	L5	MW
SOUTH POINT	SPDN	18	58.94	155	40.24	250	-0.17	-0.22	0.0	L5	MW
STEAM CRACKS	STCV	19	23.30	155	7.67	765	-0.25	-0.30	3.4	L5	H
SOUTHWEST RIFT	SWRV	19	27.26	155	36.30	4048	0.01	0.04	5.6	E5	
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	
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	
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 RIDGE, WMRZ	WMRZ	21	19.22	157	40.94	200	0.00	0.00	0.0	S13	
WEATHER OBSERVAT	WOVB	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, U.S. Geological Survey, Hawaiian Volcano Observatory.

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-second 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 J502, J512 (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, 1-Hz seismometer with A1 VCO operated by the Pacific Tsunami Warning Center.

Figure 6. System-response curves for the Wood-Anderson torsion seismograph and for seismometers used by the Hawaiian Volcano Observatory. The Type 1 curve plots the unit response of the standard USGS microearthquake seismometer system as would be recorded on Develocorder film. This includes the geophone, all electronics, including telemetry, Develocorder galvanometer, and a 20x magnification film viewer. The unit response curve is multiplied by constant but known factors (CAL) to obtain the responses for individual stations.

Seismic Data Processing

Due to age and high cost of maintenance, Develocorder 'A' was discontinued on August 1, 1997. Daily count of classified microearthquakes from source regions around Kilauea and Mauna Loa, and duration of tremor, were also discontinued. Coda duration, however, 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 routine. Discriminated signals pass through an analog-to-digital converter, and detected events are saved in real time. Detected events are then demultiplexed, and P-picks are made by the computer, producing a rough location. Events are examined by an analyst on a graphics terminal in order to refine computer P-picks and to time additional P- and S-phases for a preliminary location. Binary .mem files are translated into ASCII phase files. Locations and amplitude magnitudes are then determined by using the program HYPOINVERSE-2000 (Klein, 2002)². Events are reworked and rerun, as needed, to produce a final solution.

Through May 2005, CUSP .grm and .mem files were archived directly onto magneto-optical media. Since June 2005, the binary files have been archived to a second Alpha node then stored on a RAID system. Files stored on the magneto-optical media through May 2005 were transferred to the RAID storage.

In July 1992, HVO acquired VAX servers and workstations needed to run the upgraded version of CUSP. The servers are used for data acquisition, and the workstations are used for interactive earthquake timing. In addition to timing P and S arrival signals, the VAX workstations were then 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.

HVO currently operates Earthworm software to record all HVO seismic data, including the exchange of seismic data with cooperating networks. HVO also utilizes the Earthworm processing system for rapid computation of earthquake products (locations, magnitude, spectrograms, helicorders, ShakeMaps, and recent earthquakes Web pages). Analysis of triggered events and seismic-catalog generation is accomplished by using CUSP and HYPOINVERSE processing platforms.

Earthquake hypocenters are computed within a one-dimensional velocity model. The model is specified by velocities at four depth points, as listed below. Velocity at any depth above a homogeneous half-space is given by linear interpolation between points:

VELOCITY	DEPTH
(km/sec)	(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 are 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 both 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 to offshore earthquakes. For a detailed description, refer to HYPOINVERSE-2000 (Klein, 2002)².

Magnitudes for events are computed by 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 by using the curves shown in figure 6 and the CAL factors listed in table 1.

Duration magnitude is determined by the length of the signal, in seconds, read from drum recordings of Type 1 seismographs. This length of time is measured from the P arrival to the point where the earthquake signal has decayed to nearly the background noise level. Drum-recorded duration magnitude is calculated with a relationship equivalent to the develocorder viewer output.

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²Klein, F.W., 2002, User's guide to HYPOINVERSE-2000, a Fortran Program to solve for earthquake locations and magnitudes: U.S. Geological Survey Open-File Report 02-171, 116 p.

³Nakata, 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 southern half of the Island of Hawai‘i. The data set of well-recorded, located earthquakes in the Hawai‘i Island region is nearly complete above magnitude 2.0. Many smaller earthquakes in the Kīlauea region are locatable because of the dense instrumental coverage. Substantial effort is made to locate earthquakes elsewhere within the Hawaiian Archipelago, and although such coverage cannot be as complete as it is in southern Hawai‘i, nearly all events above magnitude 4.0 are located with limited precision.

Data presented in the seismic catalog are in three parts. 1) Maps showing computer-located hypocenters are given in figures 11–24. 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. 2) The list of computer locations constitutes the bulk of this summary and is given in table 4. Each earthquake in the list is assigned a three-letter code based on its general location and depth. Figures 7–10 are maps of the regions used to assign the location codes. The latitude and longitude limits of rectangular regions are listed in table 3. When the listed coordinates overlap, boundary precedence is as shown in figures 7–10. 3) Table 5 re-lists the events in table 4 for which the preferred magnitude is 3.0 or larger. This list includes many of the earthquakes felt in Hawai‘i.

Table 3. Names and coordinates of regions used for classifying Hawaii earthquakes.

All earthquakes are HYPOINVERSE classified 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	Kīlauea south flank (5–13 km) (west end)
10	SF2	Kīlauea south flank (5–13 km)
11	SF3	Kīlauea south flank (5–13 km)
12	SF4	Kīlauea south flank (5–13 km)
13	SF5	Kīlauea south flank (5–13 km) (east end)
14	LER	Lower east rift (5–13 km)
15	MLO	Mauna Loa (0–13 km)
16	LSW	Lower southwest rift zones of Kīlauea and Mauna Loa (0–13 km)
17	GLN	Glenwood (0–13 km)
18	SWR	Southwest rift zone of Kīlauea (0–13 km)
19	INT	Intermediate caldera (5–13 km)
20	KAO	Ka‘ōiki (0–13 km)

Deep:

21	DEP	Deep Kīlauea (>13 km) (below regions 1–13, 17–19)
22	DLS	Deep lower southwest rift zone of Kīlauea 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	Lō‘ihi
25	KON	South Kona
26	HUA	Hualālai
27	KOH	Kohala
28	KEA	Mauna Kea
29	HIL	Hilo
30	DIS	Distant, everywhere else

Table 3 (continued).

The latitude and longitude limits of the regions are given below. If the coordinates overlap, boundary precedence is as shown in figures 7–10.

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	19 21.75–19 20.0	155 07.2	155 00.0
6	KOA	19 22.0	19 20.5	155 17.0	155 14.0
7	SSF	19 20.6–19 24.0	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 7. Regions for earthquake classification for Kilauea and the east flank of Mauna Loa, Hawai'i. Depth range and coordinate boundaries for each region are described in table 3.

Figure 8. Regions for earthquake classification for Kilauea and the east flank of Mauna Loa, Hawai'i. Depth range and coordinate boundaries for each region are described in table 3.

Figure 9. Regions for earthquake classification for Hawai‘i Island. Depth range and coordinate boundaries for each region are described in table 3.

Figure 10. Regions for earthquake classification for the Hawai'i Island. Depth range and coordinate boundaries for each region are described in table 3.

✚ 0.0+ km	◻ 5.0+ km	◊ 13.0+ km	◀ 20.0+ km
◻ M 3.5+	◻ M 4.0+	◻ M 5.0+	◻ M 6.0+

Figure 11. 2008 earthquake locations, Hawaiian Islands, 0–60 km deep, $M \geq 3.5$.

+	0.0+ km	□	5.0+ km	◇	13.0+ km	△	20.0+ km
□	M 3.0+	□	M 4.0+	□	M 5.0+	□	M 6.0+

Figure 12. 2008 earthquake locations, Hawai'i Island, 0–60 km deep, $M \geq 3.0$.

Figure 13. 2008 earthquake locations, Hawaii 'i Island, shallow (0–5.0 km deep), $M \geq 2.0$.

Figure 14. 2008 earthquake locations, Hawai'i Island, intermediate depth (5.1–13.0 km deep), $M \geq 2.0$.

Figure 15. 2008 earthquake locations, Hawai'i Island, deep (13.1–60.0 km deep), $M \geq 2.0$.

Figure 16. 2008 earthquake locations, Kīlauea summit, shallow (0–5 km deep), $M \geq 1.0$.

Figure 17. 2008 earthquake locations, Kilauea summit, intermediate depth (5.1–13.0 km deep), $M \geq 1.0$.

Figure 18. 2008 earthquake locations, Kīlauea summit, deep (13.1–60.0 km deep), $M \geq 1.0$.

Figure 19. 2008 earthquake locations, Kilauea south flank, shallow (0–5 km deep), $M \geq 2.0$.

Figure 20. 2008 earthquake locations, Kīlauea south flank, intermediate depth (5.1–13.0 km deep), $M \geq 2.0$.

Figure 21. 2008 earthquake locations, Kīlauea south flank, deep (13.1–60.0 km deep), $M \geq 2.0$.

Figure 22. 2008 earthquake locations, Mauna Loa summit, shallow (0–5 km deep), $M \geq 2.0$.

Figure 23. 2008 earthquake locations, Mauna Loa summit, intermediate depth (5.1–13.0 km deep), $M \geq 2.0$.

Figure 24. 2008 earthquake locations, Mauna Loa summit, deep (13.1–60.0 km deep), $M \geq 2.0$.

Table 4. Chronological list of the 3,089 selected events successfully located in CUSP during 2008. Summary data files are available online at <http://www.ncedc.org/anss/catalog-search.html/> (last accessed 09/21/2009). 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 7–10 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,

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

- depth was held fixed.

PREF MAG—The preferred magnitude chosen from the available magnitudes.

Preference is set as:

X amplitude magnitude, if none,

D duration magnitude Develocorder equivalent, if none,

U external magnitude, usually calculated from drum records or from an external source.

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

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

Table 4.

---ORIGIN TIME (HST)--- -LAT N--- -LON W--- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN														---ORIGIN TIME (HST)--- -LAT N--- -LON W--- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN																											
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS	YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS
2008	JAN	1	0310	54.53	19	7.47	155	22.86	48.71	39	6	.07	.8	1.2	LOI	2.0X	188	10			2008	JAN	8	0408	25.39	19	10.52	155	30.57	41.57	20	2	.09	1.0	2.5	DLS	1.7X	154	5		
2008	JAN	1	0337	2.03	19	28.09	155	35.25	10.01	30	5	.15	.5	.8	MLO	1.9X	58	0			2008	JAN	8	0441	0.66	19	22.21	155	26.48	10.68	19	2	.11	.5	.9	KAO	1.2X	48	2		
2008	JAN	1	0744	15.56	19	26.22	155	38.28	3.34	25	4	.10	.4	.7	MLO	1.6X	72	4			2008	JAN	8	0723	23.64	19	30.10	155	29.72	6.20	11	3	.09	.5	2.7	MLO	1.4X	102	5		
2008	JAN	1	1106	30.85	19	19.64	155	11.29	5.86	35	4	.11	.4	.9	SF3	1.8X	94	6			2008	JAN	8	1106	59.12	19	23.78	155	26.65	11.78	38	8	.11	.4	.8	KAO	1.7X	52	3		
2008	JAN	1	1255	23.66	19	24.08	155	17.10	1.53	19	4	.09	.3	.2	SSC	1.6X	96	1			2008	JAN	8	1420	50.01	19	19.88	155	8.29	8.15	31	7	.09	.4	.8	SF4	1.4X	135	5		
2008	JAN	1	1306	41.97	19	32.64	155	42.68	7.13	25	3	.12	.6	1.5	MLO	1.7X	85	7			2008	JAN	8	1709	29.05	19	57.36	155	57.52	11.31	39	2	.11	1.2	.7	KOHF	2.8X	229	27		
2008	JAN	1	1308	31.95	19	19.45	155	11.56	8.44	42	8	.10	.4	.4	SF3	2.0X	96	6			2008	JAN	8	2116	59.35	19	20.96	155	14.24	3.09	22	6	.11	.3	.6	KOA	1.6X	66	4		
2008	JAN	1	1654	59.86	19	11.74	155	33.39	49.20	4510	.08	.7	1.0	DLS	2.3X	94	8			2008	JAN	8	2127	55.21	19	24.53	155	16.94	1.91	19	5	.13	.3	.3	SSC	1.4X	121	1			
2008	JAN	1	1921	11.95	19	19.95	155	6.98	9.51	5012	.09	.5	.3	SF4F	2.9X	144	5			2008	JAN	8	2202	21.76	19	20.43	155	11.88	7.55	4811	.12	.4	.5	SF3	2.5X	75	5				
2008	JAN	2	0049	19.86	19	9.96	155	40.45	5.68	40	6	.18	.4	1.3	LSW	2.0X	86	10			2008	JAN	8	2329	11.43	19	26.20	155	30.25	13.31	24	5	.10	.4	.9	DML	1.5X	66	5		
2008	JAN	2	0433	53.97	19	20.26	155	6.83	6.16	31	3	.15	.5	1.0	SF4	1.7X	144	6			2008	JAN	9	0013	23.25	19	21.02	155	21.69	32.59	34	7	.08	.6	1.0	DEP	1.4X	63	3		
2008	JAN	2	0628	4.45	19	24.32	155	17.03	1.80	25	5	.10	.3	.2	SSC	1.8X	107	1			2008	JAN	9	1030	8.16	19	11.68	155	31.30	38.36	22	4	.07	.9	1.8	DLS	1.5X	142	7		
2008	JAN	2	0749	39.29	19	25.55	155	20.02	8.01	23	5	.11	.5	1.1	KAO	1.6X	129	3			2008	JAN	9	1425	37.59	19	18.35	155	15.20	5.34	28	3	.12	.5	1.3	SF1	1.4X	117	4		
2008	JAN	2	1710	12.94	19	22.57	155	29.79	11.39	20	2	.09	.5	1.1	KAO	1.4X	46	4			2008	JAN	9	1430	54.56	19	11.76	155	19.95	40.88	39	8	.13	1.0	1.3	DEP	2.2X	191	9		
2008	JAN	2	1713	53.34	19	22.69	155	29.76	8.40	27	3	.11	.4	.7	KAO	1.7X	46	4			2008	JAN	9	1432	17.25	19	11.08	155	20.36	49.85	41	6	.10	.9	1.2	DEP	2.3X	197	9		
2008	JAN	2	1753	47.92	19	20.05	155	7.16	7.64	26	3	.09	.4	.8	SF4	1.3X	139	5			2008	JAN	9	1435	36.72	19	11.63	155	19.96	48.78	17	3	.11	1.6	2.1	DEP	1.8X	279	9		
2008	JAN	2	2327	43.47	19	55.65	155	35.78	32.35	44	8	.10	.6	1.3	KOH	2.4X	138	10			2008	JAN	9	1633	28.08	19	9.26	155	22.10	55.73	24	3	.11	1.6	2.2	LOI	1.7X	219	10		
2008	JAN	2	2329	48.70	19	29.89	155	30.29	5.10	16	3	.09	.4	3.1	KAO	1.5X	104	6			2008	JAN	9	1702	39.79	19	29.20	155	26.90	6.91	29	5	.12	.4	1.2	KAO	1.6X	94	5		
2008	JAN	3	0127	23.56	19	24.28	155	16.99	1.81	21	4	.05	.3	.2	SSC	1.9X	108	1			2008	JAN	9	2019	27.53	19	20.36	155	5.25	7.29	25	4	.12	.6	1.0	SF5	1.5X	168	7		
2008	JAN	3	0639	56.67	19	17.67	155	14.77	6.59	36	4	.11	.4	.8	SF1	1.9X	120	3			2008	JAN	9	2225	20.53	19	22.97	155	30.02	8.59	36	3	.10	.3	.8	KAO	1.4X	47	4		
2008	JAN	3	0826	46.08	19	19.07	155	13.38	7.17	37	4	.09	.4	.6	SF2	2.0X	75	4			2008	JAN	9	2242	28.64	19	19.71	155	8.15	7.80	26	4	.07	.4	.6	SF4	1.3X	117	4		
2008	JAN	3	1303	49.75	19	19.84	155	10.77	7.26	29	5	.09	.5	1.0	SF3	1.5X	91	6			2008	JAN	9	2310	48.85	19	26.88	155	19.22	6.54	30	5	.12	.5	.9	KAO	1.8X	110	4		
2008	JAN	3	1359	48.78	19	19.93	155	8.14	6.09	29	4	.11	.4	1.0	SF4	1.2X	140	5			2008	JAN	9	2330	35.03	19	17.29	155	19.55	33.30	42	7	.11	.6	1.0	DEP	1.8X	134	2		
2008	JAN	3	1557	37.24	19	24.64	155	24.96	8.54	41	7	.12	.3	.9	KAO	2.0X	36	6			2008	JAN	10	0505	13.10	19	38.31	155	46.51	32.90	24	4	.08	.7	1.4	KON	1.5X	87	9		
2008	JAN	4	0422	37.17	19	18.97	155	22.35	35.39	24	3	.11	.8	1.6	DEP	1.4X	93	3			2008	JAN	10	0828	0.29	19	14.46	155	28.31	34.90	38	6	.07	.6	1.0	DLS	1.8X	84	3		
2008	JAN	4	1819	3.73	20	5.89	156	27.07	33.57	36	5	.11	1.5	3.1	DIS	2.9X	315	79			2008	JAN	10	1146	43.75	19	14.44	155	32.51	6.99	30	4	.15	.4	1.1	LSW	1.9X	116	4		
2008	JAN	4	2133	11.51	19	15.85	155	28.66	48.91	24	3	.08	.9	1.6	DLS	1.8X	132	3			2008	JAN	10	1217	50.73	19	25.98	155	37.52	2.85	19	4	.10	.4	.3	MLO	1.5X	92	3		
2008	JAN	4	2217	56.23	19	23.24	155	29.17	10.26	23	2	.11	.4	.9	KAO	1.3X	46	3			2008	JAN	10	1536	51.27	19	19.76	155	11.09	6.60	36	6	.10	.4	.6	SF3	1.8X	92	6		
2008	JAN	5	0022	40.56	19	20.16	155	7.46	6.27	39	6	.13	.5	.7	SF4	1.8X	131	5			2008	JAN	11	0524	16.17	19	15.85	155	24.40	35.53	35	5	.12	.8	1.2	DEP	1.8X	82	3		
2008	JAN	5	0119	47.32	19	30.68	155	52.06	7.33	30	4	.14	.6	.5	KON	1.6X	123	6			2008	JAN	11	1110	2.50	19	30.35	155	53.80	9.74	25	4	.17	1.1	.5	KON	1.6X	163	3		
2008	JAN	5	1049	56.22	19	25.93	155	19.01	7.42	24	5	.09	.5	.9	INT	1.6X	145	3			2008	JAN	11	1802	5.04	19	18.16	155	30.31	9.10	32	7	.09	.3	.9	LSW	1.5X	63	6		
2008	JAN	6	0808	4.18	19	28.89	155	53.08	7.41	31	4	.13	.6	.7	KON	1.7X	106	4			2008	JAN	11	1932	1.89	19	40.62	156	1.28	40.18	20	3	.08	1.4	1.4	HUA	1.4X	271	19		
2008	JAN	6	0935	50.17	18	53.48	155	19.03	41.03	34	7	.10	1.2	2.2	LOI	1.9X	271	33			2008	JAN	11	2007	53.85	19	28.68	155	53.06	14.17	28	4	.12	.9	.3	KON	1.7X	112	4		
2008	JAN	6	1854	4.91	19	12.07	155	31.17	9.03	23	5	.12	.4	1.1	LSW	1.6X	153	6			2008	JAN	12	0043	46.82	19	24.32	155	16.89	1.67	23	6	.10	.3	.2	SSC	1.7X	113	1		
2008	JAN	6	2231	43.70	19	11.29	155	27.70	6.61	35	6	.13	.4	.9	LSW	1.5X	114	3			2008	JAN	12	0122	31.74	19	7.87	155	25.91	39.47	26	6	.08	1.0	1.5	DLST	2.3X	252	5		
2008	JAN	7	0233	43.07	19	26.96	155	24.14	11.08	27	5	.09	.4	.8	KAO	1.3X	89	5			2008	JAN	12	1334	8.06	19	30.09	155	30.21	8.98	19	4	.11	.4	1.5	MLO	1.7X	107	6		
2008	JAN	7	0543	34.93	19	24.97	155	20.55	6.47	29	7	.09	.4	1.0	KAO	1.3X	81	3			2008	JAN	12	2151	37.60	19	20.03	155	7.34	8.82	4510	.08	.4	.4	SF4	1.8X	135	5			
2008	JAN	7	0704	37.02	19	23.00	155	17.38	12.03	39	9	.08	.4	.4	INT	1.7X	42	1			2008	JAN	13	0703	0.91	19	21.46	155	5.48	7.99	34	7	.10	.5	.7	SF4	1.4X	150	5		
2008	JAN	7	1018	8.98	19	26.02	155	30.35	12.29	19	3	.06	.4	.8	KAO	1.3X																									

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JAN	13	2307	14.83	19	19.51	155	12.17	4.94	34	4	.13	.4	1.4	SSF	1.8X	89	5
2008	JAN	14	0738	1.03	19	19.53	155	12.84	6.34	34	3	.13	.5	.9	SF2	1.9X	79	5
2008	JAN	14	2040	27.15	19	24.28	155	30.09	9.29	29	4	.10	.3	.9	KAO	1.4X	68	5
2008	JAN	14	2304	40.28	19	32.19	156	1.53	44.59	33	4	.10	1.2	1.1	KON	2.3X	270	12
2008	JAN	15	0618	27.51	19	6.08	155	24.44	45.97	33	4	.09	1.0	1.4	LOI	1.8X	191	9
2008	JAN	15	1330	8.07	19	20.04	155	8.43	6.33	36	6	.12	.4	.9	SF4	1.9X	109	5
2008	JAN	15	1657	52.19	19	24.80	155	19.12	7.25	4811	.11	.11	.3	.5	KAO	2.6X	45	2
2008	JAN	15	1658	28.16	19	17.68	155	15.42	8.89	4710	.12	.12	.4	.5	SF1	2.8X	123	4
2008	JAN	15	1735	45.05	19	24.68	155	18.99	6.92	26	7	.09	.4	.8	INT	1.3X	99	2
2008	JAN	15	2320	5.97	19	24.40	155	17.06	1.78	22	6	.09	.3	.2	SSC	1.7X	110	1
2008	JAN	16	2010	35.00	19	27.08	155	25.08	10.72	19	3	.13	.5	1.2	KAO	1.5X	72	6
2008	JAN	16	2031	50.25	19	11.95	155	31.55	39.18	21	2	.08	1.0	1.9	DLS	1.5X	88	6
2008	JAN	16	2321	27.15	19	24.32	155	23.23	13.85	41	7	.12	.3	.3	DML	1.6X	74	6
2008	JAN	17	0657	57.52	19	19.02	155	15.26	7.00	31	4	.08	.4	.6	SF1	1.5X	93	4
2008	JAN	17	0726	26.18	19	13.12	155	33.04	6.68	35	4	.14	.5	.9	LSW	1.8X	80	6
2008	JAN	17	1049	5.70	19	52.86	155	51.35	36.07	37	4	.10	.8	1.5	HUA	1.9X	187	21
2008	JAN	17	1101	32.01	19	28.51	155	26.70	8.28	41	7	.12	.3	.8	KAO	2.0X	62	6
2008	JAN	17	1607	48.60	19	24.51	155	16.98	1.60	18	4	.10	.3	.3	SSCL	1.6X	119	1
2008	JAN	17	1759	16.08	19	23.97	155	16.89	3.87	20	5	.13	.3	.4	SSCL	1.5X	98	1
2008	JAN	17	1904	47.11	19	47.52	155	22.02	34.12	30	6	.10	.6	1.3	KEA	1.6X	92	10
2008	JAN	17	1936	1.19	19	20.30	155	6.73	8.99	4911	.09	.09	.5	.4	SF4	2.8X	145	6
2008	JAN	17	2143	11.03	19	32.19	155	36.61	10.71	47	9	.14	.4	.5	MLO	1.9X	47	5
2008	JAN	17	2255	2.03	19	2.23	155	22.88	37.62	37	6	.06	.9	1.3	LOI	1.8X	242	16
2008	JAN	18	0323	37.44	19	20.97	155	20.61	31.20	39	4	.12	.6	1.1	DEP	1.7X	60	5
2008	JAN	18	0408	11.63	19	24.96	155	19.33	6.60	41	7	.09	.3	.6	KAO	1.8X	46	2
2008	JAN	18	0943	29.67	18	44.06	155	16.50	42.57	22	4	.11	2.0	3.5	LOI	1.8X	326	51
2008	JAN	18	1506	13.91	19	20.08	155	11.60	7.00	39	8	.11	.4	.7	SF3	2.0X	83	5
2008	JAN	18	1804	50.44	19	45.56	156	0.78	9.25	25	3	.10	1.2	1.0	HUA	1.6X	226	20
2008	JAN	18	2336	32.65	19	30.38	155	25.34	3.03	25	4	.16	.4	.8	MLO	1.6X	95	4
2008	JAN	19	1001	49.52	19	19.68	155	11.62	7.13	22	2	.07	.5	.9	SF3	1.4X	91	6
2008	JAN	19	1514	20.47	19	24.77	155	19.02	6.31	36	6	.09	.3	.6	KAO	1.8X	67	2
2008	JAN	19	2108	46.95	19	19.76	155	6.36	6.73	22	2	.10	.5	1.0	SF4	1.3X	160	5
2008	JAN	20	0017	56.76	19	31.25	155	32.46	22.17	41	6	.11	.4	.7	DML	2.0X	41	7
2008	JAN	20	1328	9.29	19	19.44	155	7.83	7.87	39	9	.08	.4	.6	SF4	1.5X	128	4
2008	JAN	20	1725	5.37	19	52.34	155	31.57	24.56	5313	.10	.10	.5	1.2	KEAF	2.8X	127	12
2008	JAN	20	1727	25.43	19	52.31	155	30.53	28.79	16	2	.09	.8	1.8	KEA	1.1X	177	16
2008	JAN	20	1902	14.03	19	22.83	155	24.79	10.39	28	6	.08	.3	.6	KAO	1.8X	58	5
2008	JAN	21	0531	21.86	19	22.36	155	26.50	9.73	20	4	.09	.4	.8	KAO	1.2X	48	2
2008	JAN	21	0643	52.54	19	24.25	155	16.98	1.65	26	7	.08	.2	.2	SSC	1.8X	106	1
2008	JAN	21	1624	21.23	19	24.03	155	16.82	2.97	15	4	.14	.5	.4	SSC	1.4X	102	0
2008	JAN	21	1740	39.30	19	6.26	155	28.22	30.76	4310	.09	.09	.7	1.1	DLS	2.1X	178	6
2008	JAN	22	0422	56.35	19	22.18	155	18.02	2.17	17	5	.10	.3	.5	SSC	1.6X	61	3
2008	JAN	22	1621	58.07	19	29.86	155	27.22	6.05	19	4	.07	.3	1.4	KAO	1.6X	101	4
2008	JAN	22	1733	23.70	19	4.26	155	40.83	26.89	37	6	.09	.7	1.4	DLS	2.0X	143	10
2008	JAN	22	2051	2.61	19	25.91	155	37.37	3.54	23	6	.08	.3	.5	MLO	1.4X	90	3

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JAN	22	2117	0.83	19	16.20	155	27.12	10.61	45	9	.13	.3	.6	LSW	1.8X	65	6
2008	JAN	22	2154	49.95	19	25.83	155	37.11	2.98	19	5	.11	.4	.5	MLO	1.2X	87	3
2008	JAN	23	0016	0.40	19	14.50	155	20.67	32.42	34	6	.12	.9	1.2	DEP	1.6X	158	6
2008	JAN	23	1131	32.70	19	18.17	155	28.64	10.62	25	4	.10	.4	1.0	LSW	1.6X	44	6
2008	JAN	23	1307	26.80	18	48.92	154	50.49	47.18	40	9	.11	1.4	2.9	DIS	2.4X	294	66
2008	JAN	23	2022	8.70	19	29.06	155	26.97	6.63	15	3	.09	.4	1.5	KAO	1.6X	78	6
2008	JAN	24	0001	22.56	19	20.10	155	11.65	6.71	4510	.13	.13	.4	.7	SF3	2.0X	82	5
2008	JAN	24	0116	0.46	19	53.87	155	54.68	36.84	44	7	.09	.7	1.3	HUA	2.4X	207	25
2008	JAN	24	0418	48.64	19	20.03	155	48.12	11.86	21	4	.09	.6	.8	KON	1.2X	130	10
2008	JAN	24	1111	57.15	19	24.94	155	38.87	3.67	34	8	.11	.4	.6	MLO	2.3X	88	2
2008	JAN	24	1710	38.93	19	2.18	156	18.05	42.47	37	8	.10	1.1	1.9	KON	2.2X	289	52
2008	JAN	24	2147	18.99	19	26.46	155	29.56	10.08	39	6	.11	.3	.7	KAO	2.0X	61	8
2008	JAN	25	0309	0.37	19	31.53	155	56.38	12.75	22	3	.13	1.2	.4	KON	1.5X	233	5
2008	JAN	25	0446	11.38	20	42.34	155	51.91	34.04	18	2	.17	3.0	2.1	DIS	2.1X	327	65
2008	JAN	25	0754	21.29	19	43.36	155	25.34	12.59	20	3	.13	.9	.6	KEA	1.5X	121	7
2008	JAN	25	1246	32.00	19	3.68	155	23.05	35.53	38	7	.08	.8	1.1	LOI	1.8X	207	14
2008	JAN	25	1615	14.81	19	3.80	155	22.77	37.54	42	8	.08	.9	1.2	LOI	2.0X	207	14
2008	JAN	25	1927	34.92	19	43.66	156	0.64	19.81	34	5	.10	1.4	2.2	HUAF	1.9X	272	19
2008	JAN	26	1742	23.49	19	3.29	155	16.90	44.30	32	7	.10	1.1	1.5	LOI	1.6X	243	22
2008	JAN	27	0328	4.93	19	19.16	155	8.67	8.84	42	9	.09	.4	.4	SF4	1.8X	102	4
2008	JAN	27	0426	3.65	19	24.56	155	17.82	1.90	19	5	.11	.3	.2	SNCL	2.0X	73	2
2008	JAN	27	0501	58.46	19	20.55	155	3.10	8.91	36	6	.08	.4	.4	SF5	1.8X	190	7
2008	JAN	27	1551	46.65	19	34.47	155	52.29	2.77	18	4	.09	.7	1.3	KON	1.1X	167	11
2008	JAN	28	0251	36.63	19	11.11	155	25.02	36.72	22	4	.09	.9	1.5	DEP	1.6X	179	6
2008	JAN	28	1518	26.01	19	22.01	155	31.06	9.39	37	7	.12	.4	.9	KAO	1.8X	56	6
2008	JAN	28	1518	40.88	19	22.48	155	30.42	9.39	30	5	.11	.4	.9	KAO	1.8X	52	5
2008	JAN	28	2306	25.87	19	31.86	155	40.88	12.73	24	4	.11	.6	.7	MLO	1.4X	111	10
2008	JAN	29	0410	23.92	20	9.68	155	36.68	32.60	29	5	.10	1.1	1.5	KOH	2.1X	237	18
2008	JAN	29	0713	32.10	19	18.66	155	12.76	7.79	41	8	.10	.4	.5	SF2	1.9X	97	3
2008	JAN	29	1254	53.17	19	24.29	155	19.31	5.92	25	7	.08	.4	.8	KAO	1.6X	89	1
2008	JAN	30	0159	57.80	19	9.04	155	30.22	40.26	16	3	.11	1.3	2.2	DLS	1.6X	193	4
2008	JAN	30	0818	19.07	19	50.53	155	32.00	27.23	41	7	.07	.6	1.1	KEA	1.9X	156	10
2008	JAN	30	1017	16.14	19	18.82	155	47.85	6.28	23	3	.12	.6	2.2	KON	1.3X	119	9
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---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	FEB	2	1128	0.14	19	24.30	155	26.56	9.39	34	5	.10	.4	.8	KAO	1.8X	53	4
2008	FEB	2	1336	36.28	19	24.33	155	26.76	11.01	40	9	.11	.4	.6	KAO	1.8X	52	4
2008	FEB	2	2332	45.27	19	29.51	154	48.73	14.10	22	5	.08	1.3	.4	LER	1.7X	281	12
2008	FEB	3	0931	57.69	19	25.24	155	30.01	9.30	35	5	.08	.3	.8	KAO	1.6X	66	7
2008	FEB	4	2228	31.26	19	53.57	155	35.41	25.65	48	8	.09	.5	1.3	KEA	2.1X	127	8
2008	FEB	5	0233	57.40	18	57.06	155	12.01	44.67	39	5	.09	1.4	1.5	LOI	1.9X	248	36
2008	FEB	5	0557	34.94	19	11.17	155	27.57	44.81	34	6	.10	1.0	1.5	DLS	2.4X	119	3
2008	FEB	5	0605	25.83	19	9.58	155	28.76	43.97	23	3	.14	1.5	1.7	DLS	2.0X	228	2
2008	FEB	5	1302	7.57	19	19.23	155	12.14	0.59	11	4	.09	.3	.5	SSF	1.9X	110	5
2008	FEB	5	1640	10.05	19	50.97	155	52.61	32.60	17	4	.09	1.0	1.5	HUA	1.7X	268	18
2008	FEB	6	0052	28.80	19	19.96	155	12.02	7.61	45	9	.13	.4	.6	SF3	1.8X	82	5
2008	FEB	6	0113	50.55	19	27.15	155	16.50	26.05	5111	.12	.5	.8	DEPF	3.2X	51	4	
2008	FEB	6	0354	12.14	19	6.99	155	49.45	41.26	5011	.09	.7	1.1	KON	2.5X	212	7	
2008	FEB	6	1113	2.92	19	11.60	155	28.22	10.62	43	9	.15	.4	.7	LSW	2.6X	111	4
2008	FEB	6	1754	46.28	19	18.88	155	13.36	7.38	40	6	.12	.4	.6	SF2	1.7X	78	3
2008	FEB	6	1848	4.16	19	27.08	155	16.17	26.79	45	7	.11	.5	.8	DEP	2.1X	51	4
2008	FEB	6	1947	0.16	19	24.66	155	19.65	6.99	35	7	.10	.3	.6	KAO	1.8X	45	2
2008	FEB	7	0812	40.06	19	19.59	155	9.81	5.80	33	5	.13	.4	.8	SF3	1.7X	93	5
2008	FEB	8	0832	9.35	19	34.22	155	41.77	10.58	19	2	.11	.6	1.1	MLO	1.4X	95	10
2008	FEB	8	1109	50.34	19	11.47	155	24.97	34.67	21	2	.09	.9	1.6	DEP	1.3X	161	6
2008	FEB	8	1635	24.63	19	19.84	155	12.05	7.32	37	7	.11	.4	.6	SF3	1.9X	84	5
2008	FEB	9	0327	30.48	19	30.72	155	43.28	8.42	21	4	.13	.6	1.3	KON	1.2X	135	5
2008	FEB	9	0403	24.11	19	33.32	155	47.65	11.03	13	2	.15	1.8	1.4	KON	1.5X	199	6
2008	FEB	9	0408	46.22	19	20.48	155	6.84	8.01	40	9	.11	.4	.3	SF4	2.2X	141	5
2008	FEB	9	0423	25.41	19	19.58	155	11.66	5.95	35	5	.09	.4	.8	SF3	1.8X	92	6
2008	FEB	9	1007	1.16	19	25.29	155	30.53	9.72	38	6	.10	.3	.7	KAO	1.8X	69	7
2008	FEB	9	1140	7.07	19	11.70	155	24.79	35.47	35	2	.10	.7	1.5	DEP	1.7X	160	5
2008	FEB	9	1157	40.28	19	28.60	155	51.39	9.84	31	4	.21	.7	.7	KON	1.7X	98	7
2008	FEB	9	1302	26.18	19	15.74	156	14.72	32.96	31	5	.10	1.5	2.4	KON	2.1X	304	39
2008	FEB	9	1401	49.14	19	30.57	155	29.07	5.97	29	6	.12	.3	1.3	MLO	1.8X	62	4
2008	FEB	9	1538	17.61	19	51.52	155	40.81	14.51	17	2	.09	1.2	.6	KEA	1.5X	222	2
2008	FEB	9	1655	43.97	20	56.18	156	14.38	28.59	26	4	.11	1.9	4.6	DIS	2.8X	335149	
2008	FEB	9	1754	30.38	19	21.40	155	18.52	1.91	22	5	.09	.3	.5	SWR	1.8X	52	5
2008	FEB	9	1936	46.78	19	45.39	156	4.70	8.51	43	5	.12	1.1	1.2	HUAF	2.5X	239	34
2008	FEB	9	2238	26.04	19	21.11	155	5.69	6.92	35	4	.13	.5	.6	SF4	1.8X	152	5
2008	FEB	10	0009	42.98	19	24.41	155	17.05	1.69	22	6	.07	.3	.2	SSC	1.7X	111	1
2008	FEB	10	0118	35.97	19	22.77	155	26.88	9.37	24	3	.12	.4	.7	KAO	1.3X	48	1
2008	FEB	10	0133	45.10	19	11.10	155	32.32	42.64	24	4	.14	1.1	1.6	DLST	1.9X	191	8
2008	FEB	10	0347	21.52	19	20.74	155	12.87	7.96	4210	.12	.4	.4	SF2	2.0X	63	3	
2008	FEB	10	0522	16.44	19	13.03	155	30.79	7.35	39	3	.16	.5	.9	LSW	2.2X	135	4
2008	FEB	10	0526	4.58	19	12.61	155	30.44	7.78	40	6	.13	.5	.7	LSW	2.1X	138	5
2008	FEB	10	1714	25.98	19	57.73	155	44.24	6.83	43	8	.11	.4	.5	KOHF	2.2X	147	14
2008	FEB	10	1839	11.01	19	8.67	155	24.55	42.91	25	4	.09	1.0	1.6	LOI	1.7X	211	6
2008	FEB	10	2145	8.79	19	20.11	155	6.29	6.84	34	8	.09	.4	.7	SF4	1.7X	155	6
2008	FEB	11	1307	42.48	19	25.45	155	19.42	4.99	25	7	.11	.4	.9	KAO	1.6X	131	3

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	FEB	11	1314	31.33	19	19.02	155	12.98	6.23	38	8	.10	.4	.8	SF2	1.8X	85	4
2008	FEB	11	1441	15.59	19	28.49	155	28.22	7.89	17	3	.07	.4	1.5	KAO	1.4X	77	7
2008	FEB	12	0500	29.60	19	26.65	155	30.43	12.69	17	3	.09	.5	1.2	KAO	1.4X	70	5
2008	FEB	12	0603	13.98	19	13.69	155	32.47	9.33	19	3	.10	.4	1.3	LSW	1.5X	118	5
2008	FEB	12	0712	46.93	19	31.11	155	19.71	13.56	18	4	.09	.7	1.0	DML	1.4X	165	7
2008	FEB	12	0820	37.47	19	24.11	155	16.30	1.26	11	2	.09	.3	.4	SECL	1.6X	115	1
2008	FEB	12	1009	31.71	19	18.06	155	13.72	4.89	28	5	.12	.4	1.1	SSF	1.2X	83	2
2008	FEB	12	1822	45.30	19	24.54	155	16.83	1.35	15	4	.15	.3	.2	SNCL	1.9X	126	1
2008	FEB	12	2248	16.01	19	18.90	155	13.20	5.23	40	6	.12	.4	1.0	SF2	1.5X	81	3
2008	FEB	12	2352	49.78	19	42.47	156	10.82	40.70	23	5	.12	1.5	2.2	HUA	1.9X	255	36
2008	FEB	13	0058	2.37	19	16.20	155	31.61	9.24	30	4	.12	.4	.8	LSW	1.5X	91	3
2008	FEB	13	0527	10.32	19	17.55	155	12.97	6.03	31	4	.10	.5	1.0	SF2	1.8X	130	1
2008	FEB	13	1222	59.58	19	20.48	155	9.58	5.69	29	5	.11	.4	.8	SF3	1.5X	103	4
2008	FEB	13	1524	35.87	19	19.47	155	11.35	4.07	29	5	.12	.4	1.8	SSF	1.6X	97	6
2008	FEB	13	1754	11.03	19	15.95	155	28.64	7.34	4510	.11	.3	.6	LSW	2.0X	75	9	
2008	FEB	13	2127	56.86	19	29.80	155	28.08	4.43	19	4	.14	.4	1.8	KAO	1.4X	80	4
2008	FEB	13	2312	33.59	19	45.93	156	5.66	7.91	23	4	.11	1.3	1.0	HUA	1.7X	280	36
2008	FEB	14	0500	50.60	19	21.31	155	6.98	8.73	37	8	.11	.5	.3	SF4	1.9X	131	4
2008	FEB	14	0642	15.75	19	19.05	155	11.22	4.04	20	2	.09	.4	1.8	SSF	1.2X	109	5
2008	FEB	14	1820	41.53	19	22.17	155	14.54	1.46	17	4	.08	.3	.4	SECL	2.1X	67	2
2008	FEB	14	2245	41.03	19	24.37	155	16.91	1.79	18	6	.08	.3	.2	SSCL	1.6X	114	1
2008	FEB	14	2322	33.63	19	25.57	155	29.50	10.35	34	5	.11	.3	.6	KAO	1.4X	40	7
2008	FEB	15	0106	0.94	19	20.02	155	12.55	8.20	30	4	.12	.5	.6	SF2	1.3X	76	5
2008	FEB	15	0555	22.53	19	21.60	155	29.86	9.53	20	2	.07	.4	1.0	KAO	1.1X	48	4
2008	FEB	15	1048	32.75	19	21.44	155	30.51	9.67	21	2	.10	.4	1.0	KAO	1.1X	55	5
2008	FEB	15	1057	38.95	19	19.82	155	7.93	8.67	5212	.10	.4	.3	SF4	3.0X	123	5	
2008	FEB	15	1059	21.38	19	20.57	155	8.17	8.50	5113	.10	.4	.4	SF4	3.1X	173	5	
2008	FEB	15	1102	39.88	19	19.66	155	7.87	6.33	25	7	.08	.4	1.0	SF4	1.9X	125	4
2008	FEB	15	1103	9.36	19	19.55	155	8.06	6.63	23	7	.09	.5	1.1	SF4	1.6X	144	4
2008	FEB	15	1130	54.61	19	19.30	155	7.50	9.58	4712	.09	.4	.3	SF4F	3.1X	139	4	
2008	FEB	15	1147	45.52	19	23.16	155	27.64	10.69	24	4	.11	.4	.7	KAO	1.4X	54	1
2008	FEB	15	1206	33.29	19	19.50	155	8.13	5.97	36	9	.11	.4	.9	SF4	1.6X	118	4
2008	FEB	15	1209	20.86	19	19.87	155	7.84	6.40	39	8	.12	.4	.6	SF4			

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	FEB	16	1145	42.37	19	28.31	155	26.62	9.41	19	4	.10	.4	1.2	KAO	1.3X	79	6
2008	FEB	16	1147	32.39	19	28.41	155	26.51	9.10	18	4	.16	.5	1.6	KAO	1.5X	82	6
2008	FEB	16	1259	21.50	19	20.62	155	2.48	7.45	23	4	.11	.9	1.6	SF5	1.1X	207	8
2008	FEB	16	1631	4.23	19	20.22	155	8.12	7.60	4510	.11	.11	.4	.5	SF4	2.2X	115	5
2008	FEB	16	2029	9.27	19	17.13	155	24.01	37.13	30	5	.10	.8	1.4	DEP	1.4X	91	5
2008	FEB	17	0907	54.30	19	27.21	155	28.67	11.43	17	3	.11	.5	1.4	KAO	1.3X	71	9
2008	FEB	17	1228	47.55	19	17.46	155	29.77	9.31	27	5	.12	.4	1.0	LSW	1.6X	54	4
2008	FEB	17	1530	34.23	19	22.29	155	26.33	10.70	32	4	.11	.4	.7	KAO	1.7X	49	2
2008	FEB	17	2301	58.60	19	19.16	155	13.59	7.22	4610	.13	.13	.4	.6	SF2	1.8X	68	4
2008	FEB	17	2348	1.81	19	26.75	155	22.48	10.66	20	4	.11	.5	1.1	KAO	1.6X	119	6
2008	FEB	18	0618	32.21	19	15.88	155	29.59	10.79	43	9	.12	.3	.6	LSW	2.2X	59	2
2008	FEB	18	0752	6.42	19	31.96	155	42.03	8.39	28	5	.13	.5	1.0	MLO	1.4X	110	7
2008	FEB	18	1406	47.06	19	20.11	155	8.06	6.56	27	4	.11	.5	1.0	SF4	1.4X	140	5
2008	FEB	18	2110	11.51	19	6.62	155	23.39	48.75	23	4	.10	1.2	1.8	LOI	2.1X	235	9
2008	FEB	18	2220	12.54	19	28.68	155	26.39	8.07	34	6	.14	.3	.9	KAO	1.6X	48	6
2008	FEB	19	0213	10.62	19	28.77	155	27.18	8.51	21	4	.11	.4	1.2	KAO	1.3X	73	6
2008	FEB	19	0939	1.57	19	31.15	155	29.31	3.70	13	4	.09	.4	.9	MLO	1.4X	107	3
2008	FEB	19	1232	5.81	19	24.13	155	16.09	1.74	15	4	.11	.3	.3	SECL	1.7X	119	1
2008	FEB	19	1240	58.78	19	30.06	155	29.77	6.89	14	4	.08	.5	2.0	MLO	1.7X	102	5
2008	FEB	19	1257	15.36	19	24.47	155	16.74	1.46	16	5	.10	.3	.3	SSCL	1.4X	125	1
2008	FEB	19	1753	10.80	19	21.94	155	14.03	12.17	29	6	.12	.5	.7	SF2	1.6X	57	2
2008	FEB	19	1759	18.49	19	27.88	155	56.68	14.85	23	3	.11	1.9	1.0	KON	1.6X	224	4
2008	FEB	19	1814	47.71	19	19.18	155	13.20	10.18	49	9	.13	.5	.4	SF2F	3.9U	122	6
2008	FEB	19	2153	47.55	19	21.14	155	5.86	7.36	29	6	.07	.5	.8	SF4	1.8X	149	5
2008	FEB	20	0045	43.12	19	16.49	155	13.84	45.60	37	8	.12	.8	1.0	DEP	2.0X	185	1
2008	FEB	20	0147	3.78	19	13.11	155	26.32	5.96	24	4	.13	.4	1.2	LSW	1.3X	131	5
2008	FEB	20	0317	9.24	19	12.43	155	18.75	46.10	20	3	.10	1.5	1.7	DEP	1.5X	205	10
2008	FEB	20	0845	54.49	19	19.04	155	13.08	8.38	45	9	.11	.4	.5	SF2	2.2X	82	4
2008	FEB	20	1638	59.87	19	16.19	155	34.80	3.25	22	3	.19	.6	2.6	LSW	1.4X	102	8
2008	FEB	20	2235	15.88	19	12.91	155	30.98	38.88	24	2	.09	.9	1.9	DLS	1.6X	74	4
2008	FEB	21	0117	6.40	19	19.78	155	11.25	5.56	31	3	.11	.4	.9	SF3	1.4X	91	6
2008	FEB	21	0230	15.39	19	20.32	155	6.16	6.49	31	4	.11	.5	.9	SF4	1.7X	155	6
2008	FEB	21	0257	0.09	19	30.75	155	8.69	12.21	26	5	.11	.5	1.1	GLN	1.3X	115	14
2008	FEB	21	0855	13.19	19	26.19	155	19.49	7.28	28	6	.12	.5	.9	KAO	1.8X	106	4
2008	FEB	21	0907	33.52	19	26.46	155	19.32	7.82	18	4	.11	.6	1.2	KAO	1.7X	130	4
2008	FEB	21	1103	29.62	19	18.90	155	13.42	5.44	27	4	.11	.4	1.2	SF2	1.6X	76	3
2008	FEB	21	1523	32.24	19	24.00	155	16.55	1.18	10	2	.05	.4	.3	SSCL	1.4X	113	0
2008	FEB	21	1755	11.99	19	24.44	155	16.83	1.93	11	3	.15	.5	.3	SSCL	1.9X	121	1
2008	FEB	21	2300	40.85	19	18.91	155	13.18	4.11	28	3	.11	.4	1.4	SSF	1.4X	124	4
2008	FEB	22	0101	50.17	19	20.06	155	12.59	7.89	32	3	.09	.4	.5	SF2	1.4X	75	5
2008	FEB	22	0557	30.79	19	23.76	155	16.79	1.98	14	2	.09	.4	.2	SSCL	1.5X	76	0
2008	FEB	22	0639	42.79	19	19.24	155	13.41	9.21	40	7	.12	.4	.4	SF2	2.1X	125	6
2008	FEB	22	0743	48.19	19	18.67	155	12.99	6.29	28	4	.10	.4	.9	SF2	1.6X	91	3
2008	FEB	22	0806	34.37	19	47.19	155	44.28	36.58	27	4	.06	.8	1.5	HUA	1.9X	130	12
2008	FEB	22	1736	38.54	19	28.45	155	28.31	11.16	41	7	.09	.3	.4	KAO	2.1X	45	7

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	FEB	22	1839	39.89	19	21.75	155	30.05	8.82	4710	.12	.12	.3	.6	KAO	1.8X	50	4
2008	FEB	22	2010	57.67	19	19.75	155	10.14	7.38	45	8	.12	.4	.5	SF3	1.9X	91	6
2008	FEB	23	0030	25.83	19	28.78	155	53.44	12.88	44	9	.12	.6	.4	KONF	2.8X	114	3
2008	FEB	23	0306	48.39	19	13.57	155	33.14	6.98	28	4	.14	.5	1.2	LSW	1.7X	122	6
2008	FEB	23	0758	27.14	19	26.10	155	21.41	11.03	39	6	.09	.3	.5	KAO	1.7X	48	5
2008	FEB	23	0843	33.02	19	19.87	155	6.45	6.50	22	1	.12	.6	1.3	SF4	1.3X	156	5
2008	FEB	23	1205	21.38	20	2.47	156	6.56	9.55	22	5	.09	6.0	8.3	KOH	2.3X	298	69
2008	FEB	23	1623	36.05	19	20.69	155	11.08	9.45	39	9	.11	.4	.6	SF3	1.9X	74	4
2008	FEB	23	1925	2.46	19	18.87	155	27.36	10.30	34	5	.12	.4	.7	LSW	1.5X	48	7
2008	FEB	23	2355	45.86	19	18.66	155	30.51	10.82	24	4	.12	.5	1.1	LSW	1.2X	64	7
2008	FEB	24	0019	50.72	19	20.42	155	12.53	7.01	28	5	.11	.5	.8	SF2	1.3X	70	4
2008	FEB	24	0022	39.21	19	24.97	155	37.58	2.78	26	5	.11	.3	.3	MLO	1.7X	73	1
2008	FEB	24	0057	29.29	19	24.80	155	38.73	3.45	24	4	.10	.4	.4	MLO	1.7X	107	2
2008	FEB	24	1656	10.37	19	20.45	155	11.34	7.82	44	9	.12	.4	.4	SF3	2.0X	78	5
2008	FEB	24	2011	1.73	19	24.34	155	17.02	1.75	18	5	.07	.3	.2	SSC	1.5X	109	1
2008	FEB	24	2208	20.71	19	19.09	155	13.53	6.73	32	3	.12	.5	.8	SF2	1.7X	112	4
2008	FEB	24	2224	26.82	19	19.22	155	13.70	7.94	40	6	.12	.4	.6	SF2	1.9X	66	4
2008	FEB	25	0233	40.09	19	18.08	155	23.32	3.39	24	5	.09	.3	.6	SWR	1.3X	95	4
2008	FEB	25	0838	5.53	19	28.03	155	51.06	9.00	34	4	.19	.6	.6	KON	1.7X	103	7
2008	FEB	25	1149	43.87	19	16.24	155	27.78	8.94	4510	.13	.13	.4	.6	LSW	2.2X	63	5
2008	FEB	25	1507	9.53	19	20.04	155	11.65	8.88	4610	.12	.12	.4	.5	SF3	2.6X	83	5
2008	FEB	25	1906	31.32	19	24.18	155	15.78	1.16	17	5	.15	.2	.4	SECL	1.8X	121	2
2008	FEB	25	2139	19.86	19	24.27	155	16.58	1.24	16	4	.09	.3	.2	SSCL	1.6X	119	1
2008	FEB	25	2304	27.22	19	17.41	155	24.00	37.51	4910	.11	.11	.5	.9	DEP	2.6X	89	5
2008	FEB	26	0125	36.84	19	21.32	155	18.50	2.65	24	4	.11	.3	.8	SWR	1.7X	52	5
2008	FEB	26	0130	48.34	19	24.12	155	16.72	1.79	14	3	.10	.4	.2	SSCL	1.5X	109	0
2008	FEB	26	0510	25.49	19	11.17	155	28.45	33.93	5112	.07	.07	.5	.9	DLS	2.5X	89	3
2008	FEB	26	0753	28.61	19	28.67	155	28.03	10.41	17	4	.08	.5	1.2	KAO	1.6X	78	6
2008	FEB	26	0818	9.96	19	10.78	155	28.34	34.78	37	7	.08	.6	1.3	DLS	1.9X	94	3
2008	FEB	26	0824	52.38	19	24.37	155	16.24	1.76	11	3	.08	.3	.5	SECL	1.2X	131	1
2008	FEB	26	1430	29.89	19	24.75	155	17.21	1.10	17	5	.14	.4	.3	SNCL	1.5X	120	1
2008	FEB	26	1431	54.96	19	24.16	155	16.86	1.46	16	5	.12	.3	.2	SSCL	1.5X	106	1
2008	FEB	26	1536	20.95	19	24.11	155	16.21	1.6									

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	FEB	27	2135	45.03	19	24.01	155	16.94	1.68	16	5	.11	.3	.2	SSCL	1.1X	98	1
2008	FEB	27	2333	53.23	19	24.26	155	16.81	1.94	16	5	.08	.3	.2	SSCL	1.1X	112	1
2008	FEB	28	0250	52.30	19	24.76	155	16.56	0.88	20	5	.12	.3	.2	SNCL	1.9X	143	2
2008	FEB	28	0731	28.51	19	20.31	155	17.37	1.85	18	5	.08	.3	.6	SWR	1.6X	77	5
2008	FEB	28	1931	7.34	19	24.39	155	16.90	1.75	26	8	.08	.3	.2	SSCL	1.8X	116	1
2008	FEB	28	2059	14.82	19	20.57	155	12.75	8.77	4911	.11	.11	.3	.3	SF2	2.4X	66	4
2008	FEB	29	0027	5.09	19	15.60	155	27.01	9.96	4810	.13	.13	.3	.4	LSW	2.5X	74	6
2008	FEB	29	0103	33.41	19	15.53	155	27.56	9.62	17	3	.12	.6	.9	LSW	1.1X	77	5
2008	FEB	29	0245	9.45	19	19.85	155	7.82	8.35	28	8	.10	.5	.8	SF4	1.4X	125	5
2008	FEB	29	0302	20.24	19	11.56	155	29.44	7.42	18	3	.12	.6	1.5	LSW	1.8X	138	5
2008	FEB	29	0332	29.44	19	29.93	155	29.65	7.02	15	4	.08	.4	2.0	KAO	1.5X	100	5
2008	FEB	29	0334	24.16	19	29.98	155	30.06	4.80	15	3	.10	.4	3.0	KAO	1.3X	104	6
2008	FEB	29	0336	1.58	19	29.96	155	30.04	3.09	15	3	.08	.4	1.1	KAO	1.5X	103	6
2008	FEB	29	0405	5.56	19	21.98	155	1.60	8.71	4410	.10	.10	.7	.4	SF5	2.2X	197	7
2008	FEB	29	0546	21.82	19	15.47	155	21.96	7.17	19	3	.10	.6	1.7	SWRT	1.7X	173	4
2008	FEB	29	0749	55.16	19	11.10	155	37.41	3.35	18	2	.11	.6	2.7	LSW	1.7X	158	15
2008	FEB	29	1000	10.22	19	15.76	155	27.86	8.88	34	5	.16	.4	1.0	LSW	1.5X	72	4
2008	FEB	29	1136	14.00	19	30.35	155	43.22	0.66	20	3	.10	.5	.6	KON	1.3X	96	5
2008	FEB	29	1149	28.70	19	30.38	155	43.33	2.51	21	4	.12	.5	1.0	KON	1.5X	97	5
2008	FEB	29	1319	53.31	19	30.69	155	43.06	1.69	26	5	.14	.5	.9	KON	1.7X	99	5
2008	FEB	29	1426	6.45	19	24.16	155	26.44	10.04	18	3	.08	.5	1.1	KAO	1.7X	67	4
2008	FEB	29	1617	13.55	19	19.76	155	7.69	7.83	38	9	.09	.4	.6	SF4	1.6X	129	4
2008	FEB	29	1740	3.82	19	18.38	155	13.90	4.20	26	5	.09	.3	1.1	SSF	1.3X	85	3
2008	FEB	29	2209	19.98	19	20.26	155	6.67	8.34	41	9	.09	.4	.6	SF4	1.8X	146	6
2008	FEB	29	2305	57.11	19	21.13	155	17.52	2.83	15	4	.10	.4	.7	SWRL	1.5X	63	4
2008	MAR	1	0114	37.67	19	30.01	155	28.53	4.81	19	4	.08	.4	1.6	MLO	1.3X	90	4
2008	MAR	1	0207	19.07	19	10.46	155	28.46	35.35	40	8	.09	.7	1.2	DLS	1.8X	84	2
2008	MAR	1	0408	47.09	19	27.10	155	23.48	8.49	17	3	.12	.6	1.3	KAO	1.4X	103	5
2008	MAR	1	0455	20.94	19	13.01	155	32.47	6.71	21	3	.13	.5	1.5	LSW	1.4X	126	6
2008	MAR	1	0557	8.96	19	18.49	155	15.03	6.29	39	8	.11	.4	.8	SF1	1.5X	100	4
2008	MAR	1	0621	27.28	19	38.84	155	13.70	47.38	5112	.10	.10	.6	1.0	KEA	2.4X	97	22
2008	MAR	1	0811	51.46	19	21.82	155	28.57	10.92	22	5	.10	.5	1.0	KAO	1.8X	63	2
2008	MAR	1	1136	55.64	19	21.02	155	17.70	0.77	21	6	.09	.2	.4	SWRL	1.7X	63	4
2008	MAR	1	1408	12.49	19	13.66	155	26.42	8.32	31	5	.13	.4	1.0	LSW	1.4X	125	4
2008	MAR	1	1524	24.34	19	7.94	155	35.76	0.77	30	5	.19	2.8	1.3	LSW #	1.8X	260	14
2008	MAR	1	2004	57.32	19	19.83	155	53.78	13.56	23	4	.11	.9	.4	KON	1.4X	194	8
2008	MAR	2	0013	16.41	19	20.89	155	17.68	1.13	16	4	.07	.3	.6	SWRL	1.8X	65	4
2008	MAR	2	0644	34.51	19	24.12	155	17.11	3.47	15	4	.13	.4	.3	SSCL	1.6X	96	1
2008	MAR	2	0646	25.14	19	24.26	155	16.49	2.45	16	6	.10	.3	.2	SECL	1.6X	120	1
2008	MAR	2	1005	59.35	19	27.42	155	26.68	3.07	17	3	.14	.4	1.9	KAO	1.1X	66	7
2008	MAR	2	1305	36.91	19	23.41	155	27.29	9.68	32	4	.12	.3	.8	KAO	1.5X	47	2
2008	MAR	2	1345	55.84	19	25.16	155	15.90	16.62	4610	.12	.12	.4	.5	DEP	2.3X	46	3
2008	MAR	2	1729	4.51	19	16.52	155	34.25	11.29	22	2	.08	.4	1.4	LSW	1.7X	98	8
2008	MAR	3	0248	28.88	19	17.38	155	47.45	11.38	29	3	.09	.4	.5	KON	1.9X	85	9
2008	MAR	3	0722	45.58	19	20.93	155	7.23	7.50	39	5	.11	.5	.6	SF4	2.4X	129	4

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	MAR	3	1425	37.88	19	48.07	155	20.61	34.26	13	3	.11	1.1	1.8	KEA	1.7X	147	10
2008	MAR	3	1503	51.10	19	21.86	155	4.75	7.94	32	5	.12	.5	.4	SF5	2.0X	155	5
2008	MAR	3	1903	4.69	18	58.92	155	13.68	46.27	44	8	.11	1.1	1.3	LOI	2.4X	240	32
2008	MAR	3	2119	10.06	19	24.28	155	17.11	1.76	16	4	.07	.2	.2	SSCL	1.5X	103	1
2008	MAR	3	2204	22.38	19	24.20	155	17.04	1.81	15	3	.10	.3	.2	SSCL	1.6X	102	1
2008	MAR	4	0858	35.16	19	16.03	155	29.10	10.46	40	5	.15	.4	.7	LSW	2.0X	60	3
2008	MAR	4	0904	1.26	19	15.71	155	28.32	8.02	19	2	.13	.5	1.3	LSW	1.3X	73	3
2008	MAR	4	1028	3.94	19	12.34	155	40.25	9.94	27	3	.10	.5	1.3	LSW	1.7X	137	11
2008	MAR	4	1059	37.77	19	24.01	155	17.14	1.65	17	5	.11	.3	.2	SSCL	1.6X	92	1
2008	MAR	4	1210	38.41	19	30.09	155	27.20	2.14	21	5	.06	.3	.7	MLO	1.5X	107	4
2008	MAR	4	1217	44.48	18	59.59	155	28.35	53.04	19	2	.12	1.9	2.7	DLS	2.1X	294	18
2008	MAR	4	2209	32.44	19	18.49	155	13.29	6.72	42	9	.11	.4	.7	SF2	1.7X	85	3
2008	MAR	4	2210	14.28	19	24.43	155	17.12	1.22	20	6	.06	.2	.2	SSCL	1.6X	109	1
2008	MAR	4	2258	16.92	19	19.75	155	9.80	8.40	4811	.10	.10	.4	.4	SF3	1.9X	90	5
2008	MAR	5	0403	40.79	19	14.40	155	22.40	7.62	41	8	.13	.4	.7	SWR	1.6X	155	3
2008	MAR	5	0532	26.03	19	14.25	155	22.13	7.64	46	9	.12	.4	.6	SWR	1.9X	158	3
2008	MAR	5	0543	40.01	19	14.26	155	22.34	6.26	4812	.13	.13	.4	.8	SWR	1.7X	157	3
2008	MAR	5	0616	53.85	19	19.61	155	9.53	7.67	3710	.07	.07	.4	.6	SF3	1.6X	90	5
2008	MAR	5	0619	50.27	19	19.87	155	9.81	8.06	26	7	.08	.4	.8	SF3	1.1X	86	5
2008	MAR	5	0647	46.11	19	14.47	155	22.31	6.86	4410	.12	.12	.4	.8	SWR	1.8X	149	3
2008	MAR	5	0743	48.81	19	26.40	155	22.24	10.29	30	6	.09	.4	.8	KAO	1.4X	47	7
2008	MAR	5	0838	13.94	19	26.62	155	30.26	10.52	26	7	.11	.4	1.1	KAO	1.6X	74	9
2008	MAR	5	0843	37.53	19	26.16	155	20.30	6.15	23	6	.09	.4	1.1	KAO	1.5X	143	5
2008	MAR	5	1109	56.24	19	27.25	155	56.39	12.84	21	3	.10	1.1	.4	KON	2.0X	231	4
2008	MAR	5	1326	53.78	19	19.18	155	13.43	5.82	35	5	.11	.4	1.0	SF2	1.9X	73	4
2008	MAR	5	1424	6.23	19	24.41	155	16.97	1.57	14	4	.07	.3	.2	SSCL	1.5X	114	1
2008	MAR	5	1540	22.48	19	50.06	155	49.84	38.17	37	5	.08	.7	1.4	HUA	2.3X	175	16
2008	MAR	6	0251	39.29	19	30.84	155	15.55	25.01	43	9	.10	.5	.9	DEP	2.1X	60	11
2008	MAR	6	0316	21.01	19	19.38	155	11.85	6.07	26	3	.09	.4	.8	SF3	1.3X	96	5
2008	MAR	6	0423	11.92	19	16.16	155	30.96	7.12	27	3	.15	.4	1.0	LSW	1.6X	88	2
2008	MAR	6	0451	8.48	19	30.33	155	29.61	6.29	15	4	.09	.4	1.8	MLO	1.2X	93	5
2008	MAR	6	0530	42.83	19	10.82	155	32.97	36.00	27	3	.08	.7	1.7	DLS	1.7X	106	9
2008	MAR	6	0541	17.54	19	18.22	155	12.96	3.87	35	6	.13	.3	.9	SSF	1.8X	102	2
2008	MAR	6	0902	43.54	19	46.61	155	23.11	12.									

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAR	8	0508	9.57	19	24.44	155	16.93	1.76	29	8	.12	.3	.2	SSCL	1.7X	117	1
2008	MAR	8	0633	10.74	19	20.46	155	12.99	8.22	39	8	.09	.4	.5	SF2	1.8X	65	4
2008	MAR	8	0736	5.56	20	2.74	155	20.16	2.50	30	8	.13	.8	.6	KEA	1.6X	217	40
2008	MAR	8	1647	57.05	19	20.42	155	7.21	9.21	37	8	.09	.4	.5	SF4	1.8X	134	5
2008	MAR	8	2036	52.15	19	41.31	155	48.33	24.21	27	4	.09	.9	1.5	HUA	1.8X	196	3
2008	MAR	8	2104	50.90	19	10.41	155	28.58	36.34	32	6	.09	.8	1.5	DLS	1.6X	82	2
2008	MAR	8	2344	46.63	19	14.73	155	15.95	13.82	31	6	.10	.6	.4	DEP	1.0X	189	6
2008	MAR	9	0456	3.53	19	23.98	155	37.43	12.01	28	4	.12	.4	.7	MLO	1.3X	62	1
2008	MAR	9	0526	12.31	19	32.38	155	42.26	7.53	43	7	.14	.4	.9	MLO	1.9X	64	7
2008	MAR	9	0825	28.11	19	19.38	154	59.45	37.57	34	6	.09	.9	1.2	LER	1.5X	224	11
2008	MAR	9	0853	11.21	19	11.07	155	28.37	34.19	28	5	.09	.6	1.5	DLS	1.4X	92	3
2008	MAR	9	1320	40.00	19	19.00	155	13.90	6.18	34	7	.14	.5	1.1	SF2	1.5X	67	4
2008	MAR	9	1643	9.12	19	26.41	155	18.96	7.39	34	7	.14	.5	.9	INT	1.6X	109	3
2008	MAR	9	2147	7.15	19	26.00	155	24.67	9.46	4711	.12	.12	.3	.7	KAO	2.2X	35	7
2008	MAR	9	2313	53.19	19	18.76	155	13.25	7.16	43	9	.10	.4	.6	SF2	1.7X	82	3
2008	MAR	10	0053	45.82	19	42.96	155	44.53	12.90	5012	.11	.11	.4	.3	HUA	2.7X	103	11
2008	MAR	10	0102	34.47	19	45.12	155	47.42	22.92	15	3	.13	.8	1.9	HUA	1.5X	192	9
2008	MAR	10	0301	18.84	19	21.90	155	17.87	2.63	23	6	.14	.3	.6	SWR	1.4X	56	3
2008	MAR	10	0343	23.89	19	19.91	155	9.60	6.98	28	5	.09	.4	.8	SF3	1.4X	85	5
2008	MAR	10	0512	54.55	19	19.47	155	11.55	6.41	34	7	.09	.4	.8	SF3	1.1X	96	6
2008	MAR	10	1119	58.45	19	21.89	155	28.60	11.03	23	3	.12	.5	.9	KAO	1.3X	76	2
2008	MAR	10	1156	59.66	19	3.39	155	7.64	45.20	4910	.09	.10	1.0	1.2	LOI	2.5X	237	26
2008	MAR	10	1341	29.32	19	22.29	155	13.96	3.60	13	3	.06	.5	.4	SER	1.7X	92	2
2008	MAR	10	1354	10.99	19	19.32	155	13.33	6.75	41	8	.12	.4	.6	SF2	2.0X	73	4
2008	MAR	10	2013	15.15	19	15.10	155	31.82	6.03	27	3	.21	.6	1.4	LSW	1.7X	101	3
2008	MAR	10	2224	36.64	19	16.58	155	7.74	44.15	38	6	.11	.9	1.2	DEP	1.6X	196	1
2008	MAR	11	0725	4.56	19	29.48	155	26.88	3.82	20	3	.11	.4	1.5	KAO	1.8X	74	5
2008	MAR	11	1132	53.02	19	20.27	155	7.16	7.16	28	6	.10	.4	.7	SF4	1.7X	165	6
2008	MAR	11	1138	26.00	19	23.83	155	16.78	1.52	13	3	.09	.3	.2	SSCL	1.3X	93	0
2008	MAR	11	1215	18.59	19	23.96	155	25.55	10.10	19	3	.10	.4	.8	KAO	1.4X	66	5
2008	MAR	12	0020	13.88	19	23.96	155	9.72	51.01	26	3	.11	1.0	1.6	DEP	1.7X	119	2
2008	MAR	12	0047	48.56	19	22.50	155	29.48	10.90	18	2	.10	.5	.9	KAO	1.3X	54	3
2008	MAR	12	0221	47.63	19	24.35	155	16.57	0.01	18	4	.18	.2	.4	SSCL#	1.8X	124	1
2008	MAR	12	0345	4.94	19	24.35	155	16.41	2.10	17	4	.14	.3	.3	SECL	1.9X	127	1
2008	MAR	12	0409	14.49	19	23.94	155	16.39	1.50	18	5	.12	.3	.2	SECL	1.3X	107	0
2008	MAR	12	0409	28.67	19	24.46	155	16.54	2.04	18	5	.10	.3	.2	SSCL	1.7X	129	1
2008	MAR	12	1230	21.37	19	21.30	155	4.33	6.15	27	5	.12	.5	.9	SF5	1.7X	167	6
2008	MAR	12	2109	12.96	19	29.96	155	5.49	11.93	27	8	.12	.5	.9	GLN	1.5X	110	11
2008	MAR	12	2257	29.87	19	21.36	155	3.23	37.40	35	9	.10	.9	.9	DEP	2.3X	198	6
2008	MAR	12	2322	59.86	19	27.58	156	2.89	40.82	4411	.09	.09	.8	1.1	KON	2.3X	237	14
2008	MAR	12	2333	1.53	20	23.95	155	8.86	2.62	37	9	.12	2.4	1.5	KEA	2.3X	308	60
2008	MAR	13	0205	10.30	19	12.47	155	31.72	36.20	25	5	.09	1.0	1.5	DLS	1.5X	206	6
2008	MAR	13	0328	41.04	19	12.74	155	31.32	37.35	29	5	.08	1.0	1.4	DLS	1.6X	205	5
2008	MAR	13	0352	48.46	19	21.39	155	15.80	1.58	16	6	.07	.3	.3	KOAL	1.4X	77	2
2008	MAR	13	0353	16.86	19	21.50	155	15.90	1.75	15	5	.05	.3	.3	KOAL	1.3X	85	2

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAR	13	0830	17.27	19	12.77	155	31.29	36.40	22	2	.07	.8	1.7	DLS	1.9X	121	5
2008	MAR	13	0852	42.99	19	0.78	155	30.05	41.09	18	2	.11	1.4	2.2	DLS	1.8X	216	17
2008	MAR	13	1055	34.18	19	12.99	155	31.31	35.75	29	4	.08	.7	1.4	DLS	1.9X	76	4
2008	MAR	13	1345	27.11	19	19.90	155	8.07	4.35	28	6	.12	.5	1.9	SSF	1.4X	141	5
2008	MAR	13	2205	28.29	19	18.51	155	13.19	3.98	34	6	.12	.3	1.0	SSF	1.6X	88	3
2008	MAR	14	0054	24.22	18	57.92	155	22.92	20.39	37	6	.12	1.2	2.8	LOI	2.4X	233	23
2008	MAR	14	0222	19.89	19	25.78	155	37.21	2.73	44	9	.13	.3	.4	MLOF	3.4U	65	3
2008	MAR	14	0241	43.51	19	37.49	155	12.13	14.55	28	7	.09	.4	.5	KEA	1.6X	90	20
2008	MAR	14	0531	49.34	19	20.14	155	11.40	7.24	30	6	.10	.4	.6	SF3	1.9X	83	5
2008	MAR	14	0853	41.47	19	18.12	155	13.16	5.27	23	3	.10	.4	1.1	SF2	1.7X	98	2
2008	MAR	14	1130	32.68	19	19.02	155	12.35	3.21	23	4	.12	.4	1.0	SSF	1.2X	97	4
2008	MAR	15	0535	22.70	19	18.16	155	12.89	5.03	34	4	.09	.4	.8	SF2	1.6X	107	2
2008	MAR	15	0829	14.23	19	18.59	155	15.49	7.59	25	3	.10	.5	.9	SF1	1.2X	104	5
2008	MAR	15	0919	17.58	19	33.34	155	50.83	8.64	24	4	.16	1.0	.8	KON	1.3X	193	10
2008	MAR	15	1357	39.19	19	36.94	155	15.09	8.50	21	4	.11	.8	1.8	KEA	1.4X	178	19
2008	MAR	15	1428	6.61	19	13.05	155	30.27	11.82	46	9	.12	.4	.6	LSWF	2.3X	69	4
2008	MAR	15	2019	56.54	19	18.61	155	13.54	3.18	26	3	.11	.5	.9	SSF	1.2X	112	3
2008	MAR	16	0249	6.00	19	19.25	155	29.53	9.11	29	3	.09	.3	.8	KAO	1.5X	50	7
2008	MAR	16	0415	58.91	19	19.55	155	13.19	6.44	36	7	.11	.4	.7	SF2	1.4X	74	5
2008	MAR	16	0620	34.93	19	20.10	155	11.57	7.90	37	5	.09	.4	.6	SF3	1.9X	83	5
2008	MAR	16	0625	29.08	19	17.40	154	59.36	46.56	5111	.10	.10	.8	.7	LER	2.9X	224	14
2008	MAR	16	1513	26.73	20	8.95	156	12.86	7.17	24	4	.08	2.4	2.2	KOH	2.2X	293	46
2008	MAR	16	2231	42.25	19	23.95	155	16.97	3.14	16	5	.10	.4	.3	SSCL	1.6X	95	1
2008	MAR	16	2255	51.77	19	8.99	155	36.42	0.03	38	8	.14	.4	.2	LSW #	2.0X	114	15
2008	MAR	17	0151	54.23	19	26.31	155	30.15	8.76	38	8	.11	.3	.9	KAO	1.5X	56	8
2008	MAR	17	0352	54.06	20	0.08	155	5.41	43.70	37	8	.09	.9	1.6	KEA	2.1X	241	29
2008	MAR	17	0629	21.22	19	21.14	155	6.14	8.17	37	9	.09	.4	.5	SF4	1.7X	145	5
2008	MAR	17	0754	31.67	19	37.38	155	22.44	13.69	20	4	.08	.4	.8	KEA	1.2X	135	12
2008	MAR	17	0957	12.19	19	25.55	155	18.96	7.36	22	6	.08	.5	.9	INT	1.6X	137	2
2008	MAR	17	1025	21.72	19	25.82	155	24.79	9.18	37	8	.12	.4	.9	KAO	1.9X	38	8
2008	MAR	17	1205	1.42	19	16.90	155	0.17	36.87	38	7	.10	1.0	1.2	DEP	2.0X	232	14
2008	MAR	17	1232	28.83	18	58.72	155	32.61	41.80	40	8	.09	.9	1.3	DLS	2.4X	221	13
2008	MAR	17	1523	38.05</														

--ORIGIN TIME (HST)--													--LAT N-- --LON W--													DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN		
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KS	MAG	GAP	DS																	
2008	MAR	18	2236	2.19	19	1.81	155	22.55	33.83	29	3	.08	.9	1.6	LOI	2.0X	217	17																			
2008	MAR	18	2312	11.28	19	24.53	155	17.05	1.61	8	.05	.3	.3	SSCL	1.3X	116	1																				
2008	MAR	19	0049	20.17	19	42.14	155	33.68	15.28	15	3	.14	.6	.8	KEA	1.5X	140	13																			
2008	MAR	19	0255	39.10	19	24.53	155	15.93	0.03	8	.10	.3	.7	SECB#	1.8X	145	2																				
2008	MAR	19	0258	17.86	19	24.03	155	16.13	0.84	9	.04	.3	.3	SECB	1.1X	114	1																				
2008	MAR	19	0258	35.53	19	23.98	155	16.57	0.42	8	.12	.3	.3	SSCB		105	0																				
2008	MAR	19	0258	54.44	19	23.90	155	15.95	0.10	9	.09	.3	.5	SECB	1.9X	109	1																				
2008	MAR	19	1246	22.80	19	20.15	155	13.13	5.54	26	2	.10	.4	1.0	SF2	1.4X	67	5																			
2008	MAR	19	1315	23.22	19	19.15	155	13.34	7.10	37	7	.11	.4	.6	SF2	2.0X	75	4																			
2008	MAR	19	1855	18.55	19	4.02	155	19.51	37.74	28	4	.08	1.0	1.6	LOI	2.0X	213	18																			
2008	MAR	19	2033	24.93	19	18.41	155	30.25	10.30	34	5	.10	.3	.6	LSW	1.7X	41	6																			
2008	MAR	19	2126	30.73	19	23.24	155	27.75	9.34	22	2	.12	.5	.9	KAO	1.4X	45	1																			
2008	MAR	19	2308	5.39	19	12.32	155	37.69	2.81	23	1	.17	.6	2.9	LSW	1.8X	85	14																			
2008	MAR	20	0057	23.41	19	18.00	155	13.25	6.15	28	4	.10	.4	.9	SF2	1.6X	96	2																			
2008	MAR	20	0200	36.00	19	24.13	155	29.64	8.29	21	2	.09	.4	1.1	KAO	1.3X	67	5																			
2008	MAR	20	0452	34.26	19	22.85	155	30.21	8.02	21	1	.11	.4	.9	KAO	1.6X	49	5																			
2008	MAR	20	0732	43.80	19	19.37	155	13.31	5.94	38	7	.12	.3	.8	SF2	1.7X	73	4																			
2008	MAR	20	0842	26.92	19	11.49	155	28.06	32.35	28	6	.08	.8	1.5	DLS	1.6X	102	4																			
2008	MAR	20	1552	10.93	19	17.22	154	59.22	41.34	33	6	.10	1.1	1.3	LER	2.0X	235	15																			
2008	MAR	20	1726	12.86	19	24.38	155	16.92	1.76	16	5	.07	.3	.2	SSCL	1.6X	114	1																			
2008	MAR	20	1851	41.39	19	3.91	155	31.29	40.30	44	11	.08	.8	1.1	DLS	2.3X	185	12																			
2008	MAR	20	2037	58.09	19	12.57	155	32.50	8.89	28	6	.13	.6	1.1	LSW	1.8X	157	6																			
2008	MAR	20	2054	58.44	19	28.60	155	28.02	9.56	32	8	.14	.4	1.1	KAO	1.5X	76	6																			
2008	MAR	21	0156	18.79	19	25.15	155	28.08	8.65	19	2	.09	.4	1.1	KAO	1.3X	56	5																			
2008	MAR	21	0347	48.84	19	4.21	156	17.36	37.94	19	2	.08	1.8	3.2	KON	1.9X	296	49																			
2008	MAR	21	0546	50.44	19	5.23	156	10.73	38.75	20	4	.09	1.5	2.6	KON	1.6X	286	38																			
2008	MAR	21	0603	8.63	19	0.92	155	26.51	39.97	43	10	.08	.9	1.1	DLS	2.2X	214	16																			
2008	MAR	21	0819	41.98	19	1.76	155	26.36	39.75	37	8	.08	1.0	1.4	DLS	2.0X	210	15																			
2008	MAR	21	1105	11.91	19	19.39	155	7.53	8.14	25	7	.06	.5	.9	SF4	1.2X	136	4																			
2008	MAR	21	1207	20.79	19	3.90	156	15.65	34.10	20	4	.10	1.8	4.4	KON	2.0X	324	53																			
2008	MAR	21	1229	41.15	19	20.84	155	2.78	6.52	29	6	.13	.7	1.4	SF5	1.3X	188	7																			
2008	MAR	21	1906	27.75	19	30.89	155	28.62	3.38	39	8	.11	.3	.7	MLO	2.1X	58	3																			
2008	MAR	21	1932	23.56	19	24.85	155	19.65	6.96	42	9	.11	.3	.6	KAOF	2.2X	45	2																			
2008	MAR	21	1957	37.57	19	20.02	155	11.39	9.00	35	7	.11	.5	.6	SF3	1.5X	85	6																			
2008	MAR	21	2103	19.11	19	50.36	155	31.88	20.80	43	7	.10	.6	1.4	KEA	2.0X	154	10																			
2008	MAR	21	2145	57.06	19	50.51	155	32.04	18.73	42	6	.12	.7	1.7	KEA	1.9X	156	10																			
2008	MAR	22	1034	53.79	19	19.00	155	14.99	5.92	32	6	.11	.4	1.2	SF1	1.6X	90	5																			
2008	MAR	22	1133	30.43	19	18.03	155	15.80	6.80	39	8	.11	.4	.6	SF1	1.8X	120	4																			
2008	MAR	22	1429	42.46	19	19.56	155	29.39	11.89	19	1	.11	.5	1.1	KAO	.9X	48	6																			
2008	MAR	22	2026	4.94	19	1.50	155	26.36	39.27	52	12	.08	.7	1.0	DLS	2.8X	212	15																			
2008	MAR	22	2225	27.47	19	23.93	155	16.84	1.63	14	2	.11	.3	.2	SSCL	1.5X	98	0																			
2008	MAR	22	2254	59.36	19	21.17	155	16.31	36.02	43	4	.10	.6	1.0	DEP	2.4X	69	2																			
2008	MAR	23	0552	16.92	19	1.10	155	26.20	39.02	37	5	.08	.8	1.4	DLS	2.1X	213	16																			
2008	MAR	23	0902	36.93	19	28.82	155	17.12	29.23	45	9	.10	.5	.8	DEP	2.1X	54	6																			
2008	MAR	23	1021	5.13	19	16.30	155	26.02	9.22	30	3	.10	.4	.6	LSW	1.5X	114	5																			

---ORIGIN TIME (HST)---													--LAT N-- --LON W--													DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN		
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KS	MAG	GAP	DS																	
2008	MAR	23	1038	4.75	19	16.40	155	25.86	8.90	35	4	.12	.3	.6	LSW	1.8X	57	5																			
2008	MAR	23	2115	50.27	18	59.98	155	26.21	41.71	45	9	.09	.9	1.3	DLS	2.4X	220	18																			
2008	MAR	23	2219	21.50	19	48.87	155	47.43	13.10	22	4	.11	1.2	.5	HUA	1.6X	228	15																			
2008	MAR	24	0519	25.74	19	0.18	155	26.08	42.27	47	10	.10	.9	1.3	DLS	2.2X	219	17																			
2008	MAR	24	0520	19.86	19	0.34	155	26.28	40.64	38	6	.09	.9	1.4	DLS	1.8X	218	17																			
2008	MAR	24	0906	40.29	19	24.03	155	16.97	1.97	18	5	.11	.3	.																							

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	MAR	30	0659	41.14	19	21.81	155	4.89	8.75	39	9	.10	.4	.5	SP5	1.9X	154	5
2008	MAR	30	2104	9.56	19	24.11	155	17.01	2.06	17	5	.09	.3	.2	SSCL	1.5X	100	1
2008	MAR	30	2250	53.83	19	15.63	155	26.98	9.01	27	4	.11	.4	.8	LSW	1.2X	74	6
2008	MAR	31	0029	54.97	19	25.62	155	25.78	7.07	25	4	.13	.4	1.3	KAO	1.6X	62	7
2008	MAR	31	0401	46.96	19	18.34	155	15.20	8.03	40	7	.12	.4	.7	SF1F	1.7X	136	6
2008	MAR	31	0643	13.44	19	21.82	155	26.80	11.33	19	3	.11	.5	1.0	KAO	1.0X	84	2
2008	MAR	31	1135	40.79	19	31.83	155	58.95	23.22	16	4	.08	1.6	1.9	KON	1.4X	282	23
2008	MAR	31	2033	45.87	19	47.70	155	45.84	12.44	29	5	.11	.8	.4	HUA	1.7X	202	13
2008	APR	1	0835	0.69	19	28.47	155	18.29	12.51	35	6	.10	.4	.7	GLN	1.8X	52	6
2008	APR	1	0909	42.30	19	12.55	155	20.57	43.40	37	5	.10	.9	1.2	DEP	1.8X	179	7
2008	APR	1	2112	49.70	19	19.60	155	8.14	7.06	39	8	.09	.4	.5	SP4	1.8X	117	4
2008	APR	2	0529	38.56	19	7.59	155	33.79	47.13	17	3	.11	1.4	1.9	DLST	1.9X	208	11
2008	APR	2	1341	4.92	19	20.52	155	6.55	8.17	41	6	.10	.5	.4	SF4	2.5X	145	5
2008	APR	2	1457	26.27	19	25.53	155	23.81	10.15	41	8	.11	.4	.7	KAO	2.1X	84	8
2008	APR	2	1616	13.38	19	14.37	155	8.94	42.84	33	4	.10	1.0	1.3	DEP	1.8X	221	6
2008	APR	2	1742	26.79	19	9.57	155	35.31	2.86	25	4	.10	.4	1.3	LSW	1.6X	114	13
2008	APR	2	1925	36.20	19	8.12	155	26.07	40.21	13	1	.07	1.8	1.8	DLS	2.6X	281	12
2008	APR	3	0056	9.50	19	12.45	155	32.58	8.02	29	3	.14	.5	1.2	LSW	2.0X	86	6
2008	APR	3	0719	28.47	19	19.23	155	13.43	6.53	31	4	.11	.4	.9	SF2	1.4X	73	4
2008	APR	3	0759	15.44	19	19.66	155	8.16	8.05	31	6	.08	.5	.8	SF4	2.2X	117	4
2008	APR	3	1318	2.26	19	19.11	155	13.59	3.97	38	6	.11	.3	1.0	SSF	2.1X	68	4
2008	APR	3	1820	18.02	19	22.96	155	2.57	8.54	36	8	.09	.5	.4	SF5	1.5X	164	4
2008	APR	3	1944	33.68	19	18.02	155	23.67	2.76	22	3	.14	.4	.9	SWR	1.3X	91	4
2008	APR	3	2306	55.68	20	5.15	155	25.95	0.31	40	7	.12	1.6	.4	KEAF	1.9X	270	24
2008	APR	4	0048	43.78	19	27.60	155	13.92	34.94	33	3	.09	.7	1.2	DEP	1.8X	52	5
2008	APR	4	0232	11.85	19	19.63	155	11.75	4.95	30	3	.12	.4	1.5	SSF	1.4X	91	6
2008	APR	4	0253	3.22	19	21.71	155	2.31	8.77	34	4	.11	.7	.4	SF5	1.7X	182	6
2008	APR	4	0605	32.01	19	6.81	155	47.90	35.05	25	2	.10	1.1	1.8	KON	2.0X	199	6
2008	APR	4	1630	31.61	20	55.11	156	23.58	9.63	44	7	.10	1.8	1.2	DISF	3.1X	204	108
2008	APR	4	2258	11.41	19	8.28	155	11.62	61.96	29	4	.11	1.4	1.5	LOI	2.0X	250	16
2008	APR	5	0011	14.94	19	10.38	155	35.25	0.13	34	7	.13	.4	.2	LSW	1.8X	106	12
2008	APR	5	0015	34.59	19	27.28	155	28.54	11.62	23	5	.09	.4	.9	KAO	1.3X	71	9
2008	APR	5	0145	3.11	19	0.22	155	25.35	41.19	41	8	.09	.9	1.4	DLS	1.7X	220	18
2008	APR	5	0503	58.66	19	26.85	155	28.97	10.26	41	7	.10	.3	.6	KAO	2.0X	54	8
2008	APR	5	1412	54.63	19	49.77	155	31.71	19.34	50	11	.11	.5	1.3	KEAF	2.6X	108	9
2008	APR	5	2042	2.44	19	53.01	155	49.07	42.17	30	3	.08	1.0	1.6	HUA	1.7X	255	17
2008	APR	6	0629	36.16	19	25.30	155	28.89	9.31	25	3	.13	.4	.9	KAO	1.6X	58	6
2008	APR	6	1153	57.70	19	21.43	155	30.47	9.84	22	1	.07	.4	.9	KAO	1.3X	54	5
2008	APR	6	1214	50.06	19	21.44	155	5.83	6.45	36	7	.14	.5	.7	SP4	1.7X	146	5
2008	APR	6	1344	36.61	19	15.66	155	22.27	35.42	23	3	.11	.9	1.6	DEP	1.3X	141	4
2008	APR	6	1421	46.14	19	15.57	155	21.64	33.73	17	3	.11	1.3	2.1	DEP	1.4X	146	5
2008	APR	6	1556	52.73	19	15.74	155	22.26	34.78	28	4	.10	.9	1.3	DEP	1.7X	138	4
2008	APR	6	1642	7.48	19	23.92	155	15.09	3.69	37	9	.10	.3	.4	SEC	1.9X	43	2
2008	APR	7	0058	11.50	19	0.76	155	26.22	40.94	24	3	.09	1.2	1.9	DLS	1.8X	217	16
2008	APR	7	0058	58.60	19	1.30	155	26.52	39.77	24	2	.09	.9	1.8	DLS	1.7X	213	15

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	APR	7	0118	38.68	19	55.88	155	33.31	21.52	24	4	.09	.7	1.8	KEA	2.0X	148	14
2008	APR	7	0123	12.70	19	24.44	155	16.94	1.60	26	6	.10	.3	.2	SSCL	1.8X	117	1
2008	APR	7	0141	46.30	19	49.18	155	6.56	39.48	41	8	.11	.9	1.2	KEA	2.3X	210	16
2008	APR	7	0446	6.61	19	21.33	155	1.75	8.21	41	7	.10	.7	.4	SP5	2.4X	191	8
2008	APR	7	0830	33.01	19	18.14	154	48.29	42.38	33	2	.11	2.4	1.4	LER	2.1X	285	21
2008	APR	7	2113	31.33	19	19.05	155	14.89	8.15	45	9	.12	.4	.5	SF1	2.0X	87	4
2008	APR	8	0410	6.34	19	29.34	155	26.77	9.35	22	4	.12	.4	1.1	KAO	1.6X	69	5
2008	APR	8	0859	31.00	19	27.50	155	14.48	31.95	50	11	.10	.5	.8	DEP	2.9X	51	5
2008	APR	8	1233	55.72	19	24.58	155	17.19	2.06	20	5	.11	.3	.3	SNCL	1.6X	112	2
2008	APR	8	1251	57.83	19	24.36	155	17.02	1.56	23	6	.08	.3	.2	SSCL	1.9X	110	1
2008	APR	9	0110	45.28	19	13.20	155	34.96	34.44	33	6	.10	.8	1.2	DLS	1.6X	121	9
2008	APR	9	0531	12.56	19	22.43	155	26.50	11.72	27	6	.08	.4	.5	KAO	1.3X	80	2
2008	APR	9	0809	17.04	19	17.04	155	27.70	11.22	32	4	.13	.5	.8	LSW	1.6X	140	6
2008	APR	9	0810	36.38	19	17.45	155	27.62	10.63	18	3	.11	.5	1.1	LSW	1.3X	135	6
2008	APR	9	1010	56.41	19	17.56	155	13.01	6.75	25	4	.10	.5	1.0	SF2	1.5X	178	1
2008	APR	9	1434	35.93	19	19.81	155	7.58	8.25	37	7	.09	.7	.6	SP4	2.2X	187	6
2008	APR	9	2308	17.78	19	23.98	155	16.95	1.30	16	2	.10	.3	.2	SSCB	1.7X	97	1
2008	APR	10	0653	55.19	19	21.93	155	17.06	2.23	26	4	.10	.3	.4	SWR	2.0X	63	2
2008	APR	11	0333	48.41	19	26.12	155	21.28	10.38	26	5	.10	.4	.6	KAO	1.3X	100	5
2008	APR	11	0849	54.94	19	21.40	155	28.69	7.78	24	2	.11	.4	.7	KAO	1.4X	41	3
2008	APR	11	0913	49.76	19	17.74	155	29.68	6.28	26	2	.15	.4	1.6	LSW	1.5X	57	5
2008	APR	11	1451	43.96	19	23.80	155	15.97	0.80	10	2	.10	.3	.4	SECL	1.5X	104	1
2008	APR	11	1618	37.86	19	20.99	155	3.06	8.73	42	7	.11	.6	.4	SF5	2.6X	184	7
2008	APR	11	1823	55.15	19	20.39	155	10.57	7.61	44	10	.12	.4	.6	SF3	1.9X	80	4
2008	APR	11	2113	1.70	19	20.90	155	24.58	9.82	27	4	.12	.4	.6	SWR	1.7U	55	3
2008	APR	12	0601	8.65	21	6.61	156	2.73	24.32	36	5	.11	1.9	4.8	DIS	2.6X	331	112
2008	APR	12	0712	33.72	19	25.86	155	29.73	10.52	20	4	.07	.4	.9	KAO	1.2X	64	7
2008	APR	12	0825	51.78	19	28.11	155	44.56	8.34	37	5	.11	.4	.6	KON	2.1X	65	5
2008	APR	12	0905	32.43	19	29.60	155	44.55	10.07	22	4	.11	.9	1.3	KON	1.2X	123	3
2008	APR	12	1447	17.44	19	23.94	155	25.76	9.81	41	8	.11	.3	.7	KAO	1.6X	47	4
2008	APR	12	1648	8.20	19	23.94	155	25.57	9.60	43	9	.11	.3	.7	KAO	1.6X	38	4
2008	APR	12	1744	12.77	19	17.01	155	14.85	8.08	39	8	.13	.5	.8	SF1	1.8X	150	2
2008	APR	12	2236	22.01														

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	APR	15	1845	25.14	19	6.56	155	28.20	31.85	39	7	.09	.8	1.3	DLS	2.2X	177	5
2008	APR	16	0357	19.92	19	24.05	155	17.02	1.46	15	2	.06	.3	.2	SSCB	1.6X	98	1
2008	APR	16	0512	28.93	19	24.58	155	37.66	2.95	21	5	.15	.4	.4	MLO	1.6X	92	0
2008	APR	16	0534	34.36	19	26.60	155	30.59	13.14	21	4	.09	.4	1.0	DML	1.4X	70	5
2008	APR	16	0646	27.64	19	28.21	155	35.43	10.58	19	4	.12	.5	.9	MLOL	1.5X	92	1
2008	APR	16	1105	36.58	19	16.06	155	27.52	6.54	24	4	.13	.5	1.8	LSW	1.5X	66	7
2008	APR	16	2228	4.48	19	11.73	155	25.75	45.56	23	3	.09	1.1	1.8	DLS	1.4X	158	6
2008	APR	17	0120	30.25	19	10.66	155	24.61	45.34	31	4	.12	1.0	1.5	DEPT	1.9X	165	6
2008	APR	17	0332	53.14	19	30.13	155	29.63	6.40	13	4	.13	.5	2.3	MLO	1.4X	101	5
2008	APR	17	0506	45.87	19	27.41	155	29.91	12.13	23	3	.10	.4	1.1	KAO	1.3X	76	7
2008	APR	17	0508	22.19	19	27.15	155	30.09	9.38	37	7	.13	.3	.9	KAO	1.8X	58	9
2008	APR	17	1005	6.17	19	28.86	155	26.34	7.73	29	5	.14	.4	1.0	KAO	1.8X	79	6
2008	APR	17	1253	8.24	19	12.88	155	25.69	38.37	33	5	.11	.9	1.6	DLS	1.6X	137	4
2008	APR	17	1350	22.64	19	13.06	155	25.99	37.85	35	7	.09	.8	1.3	DLS	1.7X	132	4
2008	APR	17	1401	12.84	19	24.00	155	36.95	3.57	17	4	.09	.4	.6	MLO	1.5X	86	2
2008	APR	17	2210	13.44	19	20.18	155	12.27	7.96	4610	.11	.4	.4	.4	SF3	2.1X	76	5
2008	APR	18	0213	53.31	19	24.56	155	17.05	1.88	16	4	.06	.3	.2	SNC	1.5X	118	1
2008	APR	18	0320	29.58	19	25.05	155	37.34	2.54	44	8	.13	.3	.4	MLO	2.6X	59	2
2008	APR	18	0930	49.70	19	29.44	155	16.14	26.64	44	9	.09	.5	.8	DEP	2.0X	56	8
2008	APR	18	1607	42.55	19	24.99	155	37.54	2.29	19	5	.11	.3	.3	MLO	1.7U	73	1
2008	APR	18	1916	52.01	19	26.16	155	30.72	12.64	35	6	.12	.4	.7	KAO	1.7X	58	8
2008	APR	18	1948	32.37	19	52.60	155	40.44	15.30	16	3	.09	1.4	.8	KEA	1.5X	227	2
2008	APR	18	2300	9.38	19	24.50	155	16.61	1.75	27	7	.11	.3	.2	SSC	1.9X	130	1
2008	APR	19	0030	0.53	19	19.09	155	8.36	8.69	41	9	.10	.4	.5	SF4	1.6X	111	3
2008	APR	19	0631	47.63	19	20.22	155	6.87	0.93	25	5	.12	.4	.5	SSF	1.5X	143	6
2008	APR	19	0704	8.20	19	20.29	155	6.82	7.19	33	9	.12	.5	.9	SF4	1.6X	144	6
2008	APR	19	1628	0.60	19	19.60	155	11.58	7.93	29	2	.10	.5	.8	SF3	1.5X	92	6
2008	APR	19	1840	51.75	19	20.18	155	6.32	8.01	31	3	.11	.5	.7	SF4	1.4X	154	6
2008	APR	19	1841	48.05	19	23.89	155	16.54	1.61	9	1	.07	.4	.3	SSCL	1.8X	102	0
2008	APR	20	0301	49.70	19	20.94	155	14.76	1.60	15	2	.10	.3	.8	KOAL	1.9X	69	3
2008	APR	21	0037	19.42	19	49.86	155	11.49	11.39	41	9	.12	.6	.4	KEA	2.0X	190	17
2008	APR	21	0945	0.49	19	15.91	155	25.81	5.93	25	2	.17	.5	1.7	LSW	1.4X	65	4
2008	APR	21	1619	10.38	19	24.47	155	17.07	1.83	15	4	.08	.3	.2	SSCL	1.3X	113	1
2008	APR	21	1729	24.13	19	12.34	155	42.32	0.32	17	1	.15	.7	1.0	LSW	1.3X	145	9
2008	APR	21	1928	6.28	19	24.83	155	19.62	6.21	21	5	.10	.4	.9	KAO	1.4X	108	2
2008	APR	21	2040	54.32	19	26.73	155	28.58	10.89	22	3	.14	.5	1.3	KAO	1.4X	67	8
2008	APR	21	2139	59.83	19	27.61	155	14.07	35.71	37	4	.08	.6	1.1	DEP	1.7X	61	5
2008	APR	22	0108	36.85	19	31.31	155	46.51	7.21	22	4	.11	.7	.6	KON	1.3X	92	2
2008	APR	22	0244	27.86	19	35.62	155	51.33	13.25	18	3	.09	.7	.4	KON	1.2X	159	11
2008	APR	22	1050	9.15	19	1.23	155	22.33	35.10	26	4	.10	1.4	2.0	LOI	1.5X	220	18
2008	APR	22	1233	21.83	19	4.78	155	26.94	42.19	26	5	.11	1.1	1.8	DLST	2.0X	229	9
2008	APR	22	1348	55.65	19	21.05	155	4.19	5.61	26	4	.14	.7	1.4	SF5	1.5X	173	6
2008	APR	22	1851	55.63	18	59.41	155	9.46	14.77	19	2	.10	1.7	2.3	LOI	1.7X	280	33
2008	APR	22	1856	32.64	19	20.39	155	11.73	7.36	40	6	.11	.4	.5	SF3	2.0X	77	5
2008	APR	22	1908	8.56	19	16.40	155	33.39	9.54	4511	.11	.3	.3	.7	LSWF	3.1X	59	6

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	APR	22	2016	52.77	19	18.32	155	15.04	5.92	29	4	.12	.4	1.1	SF1	1.5X	104	4
2008	APR	23	0737	35.11	19	10.99	155	22.70	34.01	5111	.11	.6	.9	.9	DEP	2.7X	170	7
2008	APR	23	1147	2.84	19	5.78	155	20.23	39.55	31	5	.09	1.0	1.6	LOI	1.7X	206	15
2008	APR	23	1603	33.71	19	48.71	155	21.28	25.19	4811	.11	.11	.5	1.2	KEA	2.2X	101	9
2008	APR	23	1651	53.27	19	28.17	155	36.99	12.38	17	4	.10	.6	.8	MLOT	1.3X	113	2
2008	APR	23	1933	5.75	19	20.13	155	26.14	31.42	5011	.11	.11	.5	.8	DML	2.7X	54	5
2008	APR	23	2008	25.15	19	15.66	155	27.44	6.74	21	2	.14	.4	1.5	LSW	1.2X	72	5
2008	APR	24	0646	4.58	19	19.79	155	7.41	7.58	36	8	.11	.4	.7	SF4	1.9X	135	5
2008	APR	24	0733	9.82	19	51.01	156	4.95	40.86	46	7	.10	1.0	1.4	HUA	2.6X	244	31
2008	APR	24	0818	17.97	19	23.73	155	27.66	10.85	17	3	.09	.5	1.1	KAO	1.2X	81	2
2008	APR	24	1038	12.22	19	20.12	155	7.47	7.45	37	8	.10	.4	.6	SF4	2.2X	132	5
2008	APR	24	1054	12.60	19	1.06	155	20.73	40.70	42	8	.09	.9	1.4	LOI	2.1X	222	20
2008	APR	25	0244	42.63	19	46.59	155	27.09	21.48	41	8	.10	.5	1.3	KEA	1.9X	83	1
2008	APR	25	1342	57.72	19	12.40	155	40.14	3.94	20	3	.12	.4	2.6	LSW	1.3X	99	12
2008	APR	25	1523	16.77	19	24.31	155	17.02	1.85	22	6	.06	.2	.2	SSCL	1.9X	107	1
2008	APR	25	1627	57.60	19	27.39	155	25.03	8.79	17	4	.10	.5	1.3	KAO	1.2X	71	5
2008	APR	25	2323	40.29	19	53.62	155	42.93	34.66	31	5	.07	1.1	1.4	KEA	1.6X	240	26
2008	APR	26	0049	0.10	19	16.45	155	27.17	9.42	33	7	.11	.3	.8	LSW	1.4X	61	6
2008	APR	26	0525	39.73	19	8.37	155	35.84	1.73	22	4	.10	.4	.8	LSW	1.5X	123	14
2008	APR	26	0618	7.92	19	3.79	155	7.54	26.43	41	9	.10	.9	1.8	LOI	2.2X	253	25
2008	APR	26	0649	37.90	19	17.27	155	29.45	11.10	4410	.09	.09	.3	.6	LSW	2.2X	50	4
2008	APR	26	0850	26.20	19	26.70	155	29.53	9.98	40	7	.09	.3	.7	KAO	1.7X	55	8
2008	APR	26	1052	15.94	19	20.90	155	16.89	1.82	17	4	.07	.3	.6	KOAL	1.7X	70	3
2008	APR	26	1055	11.55	19	20.99	155	16.95	2.05	13	3	.06	.3	.7	KOAL	1.4X	68	3
2008	APR	26	1259	4.04	19	24.07	155	17.01	1.69	17	5	.11	.3	.2	SSCL	1.6X	98	1
2008	APR	26	1644	56.31	19	24.18	155	17.19	1.81	19	5	.07	.3	.2	SSCL	1.6X	96	1
2008	APR	26	2224	59.40	19	16.34	155	27.06	8.57	24	1	.09	.4	.6	LSW	1.5X	63	6
2008	APR	26	2241	29.77	19	32.58	155	56.66	27.85	36	5	.10	1.1	1.1	KON	2.0X	229	7
2008	APR	27	0355	15.29	19	21.02	155	18.84	2.96	26	6	.08	.3	.6	SWR	1.4X	48	5
2008	APR	27	0408	29.89	19	17.07	155	23.81	36.62	26	3	.11	.8	1.4	DEP	1.2X	95	5
2008	APR	27	0743	5.31	19	15.12	155	22.60	43.85	33	5	.10	.8	1.4	DEP	1.7X	142	3
2008	APR	27	0947	4.39	19	24.37	155	16.12	15.									

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	APR	29	0226	45.48	19	45.74	155	53.05	13.37	16	3	.12	1.5	.7	HUA	1.4X	260	10
2008	APR	29	0254	9.33	20	0.14	155	41.46	4.28	46	9	.11	.5	.7	KOHF	2.6X	141	16
2008	APR	29	0642	47.75	19	23.81	155	27.23	10.44	19	3	.09	.4	1.0	KAO	1.7X	76	3
2008	APR	29	0741	26.90	19	20.89	155	17.11	1.55	23	6	.11	.3	.5	SWRL	1.6X	69	4
2008	APR	29	0833	51.35	19	19.34	155	13.02	26.31	24	4	.15	.9	1.1	DEP	1.5X	124	6
2008	APR	29	1958	1.12	19	18.67	155	15.52	6.58	35	5	.09	.4	.8	SF1	1.6X	102	5
2008	APR	29	2013	36.96	19	53.14	154	55.48	13.21	24	5	.09	1.3	1.2	KEA	1.8X	268	23
2008	APR	29	2029	6.55	19	18.71	155	28.46	10.09	28	2	.09	.3	.7	LSW	1.4X	40	7
2008	APR	30	0709	18.54	19	10.90	155	33.82	2.59	28	3	.11	.4	1.2	LSW	1.8X	105	10
2008	APR	30	0714	4.72	19	19.72	155	11.20	5.72	38	7	.13	.4	.8	SF3	1.5X	92	6
2008	APR	30	0954	19.85	19	25.09	155	38.96	3.45	14	2	.09	.6	.5	MLO	1.4X	114	2
2008	APR	30	1107	9.96	19	24.07	155	29.77	11.59	22	4	.11	.4	1.0	KAO	1.5X	50	5
2008	APR	30	1904	44.07	19	15.69	155	28.56	11.83	28	5	.13	.4	1.0	LSW	1.7X	75	3
2008	APR	30	1906	14.56	19	1.90	155	23.17	35.87	23	4	.09	1.2	1.8	LOI	1.7X	245	16
2008	MAY	1	0231	28.22	19	15.47	155	28.01	7.18	32	4	.16	.4	1.1	LSW	1.5X	72	4
2008	MAY	1	0307	53.41	19	19.47	155	8.34	8.18	20	4	.06	.5	1.0	SF4	1.4X	112	4
2008	MAY	1	0822	19.08	19	16.32	155	21.41	44.15	21	3	.10	1.1	1.5	DEP	1.4X	165	6
2008	MAY	1	0855	16.73	19	26.08	155	37.24	2.59	12	2	.09	.5	.4	MLO	1.1X	102	3
2008	MAY	1	1041	29.13	19	19.53	155	0.95	5.97	18	4	.09	.9	2.3	SF5	1.8X	229	11
2008	MAY	1	1903	26.01	19	23.91	155	27.87	9.54	34	3	.11	.3	.7	KAO	1.6X	45	3
2008	MAY	1	2130	14.69	19	24.63	155	16.98	1.71	12	3	.08	.3	.3	SNCL	1.3X	125	2
2008	MAY	1	2300	14.45	19	29.83	155	23.70	11.47	17	4	.13	.7	1.1	KAO	1.6X	105	1
2008	MAY	2	0126	47.44	19	20.92	155	24.51	9.77	23	2	.08	.4	.7	SWR	1.5X	53	2
2008	MAY	2	1028	39.32	19	19.05	155	13.57	5.13	32	5	.11	.4	1.3	SF2	1.5X	70	4
2008	MAY	2	1245	55.43	19	25.33	155	36.50	13.23	37	5	.11	.4	.4	DML	1.8X	58	3
2008	MAY	2	1258	35.74	19	19.46	155	8.22	7.52	35	6	.11	.5	.6	SF4	1.7X	116	4
2008	MAY	2	1437	44.74	19	19.64	155	8.06	7.27	36	6	.10	.4	.6	SF4	1.5X	119	4
2008	MAY	2	1518	32.06	19	37.60	155	16.35	38.18	4611	.10	.6	1.0	KEA	2.0X	85	19	
2008	MAY	2	1814	13.55	19	50.42	155	4.51	41.22	31	6	.10	.9	1.3	KEA	2.2X	237	16
2008	MAY	2	1937	21.19	19	14.05	155	24.26	36.51	39	6	.10	.7	1.2	DEP	1.8X	141	1
2008	MAY	2	2101	6.44	19	53.08	155	50.18	37.08	46	8	.09	.6	1.2	HUA	2.3X	180	19
2008	MAY	2	2253	29.86	19	25.47	155	38.36	2.97	15	3	.13	.5	.5	MLO	1.4X	155	2
2008	MAY	2	2309	41.07	19	25.38	155	39.64	1.97	13	3	.08	.5	.7	MLO	1.0X	126	4
2008	MAY	3	0116	14.68	19	19.82	155	10.90	6.27	37	6	.12	.4	.6	SF3	1.8X	91	6
2008	MAY	3	0146	20.69	19	25.20	155	11.74	39.67	16	3	.10	2.2	1.6	DEPL	1.5X	262	14
2008	MAY	3	0730	47.75	19	21.31	155	4.39	6.85	36	5	.14	.6	.8	SF5	1.9X	167	6
2008	MAY	3	0749	51.27	19	13.66	155	25.49	35.19	26	4	.10	.7	1.6	DLS	1.6X	132	3
2008	MAY	3	0832	39.51	19	21.45	155	33.40	5.54	16	1	.12	.5	3.1	MLO	1.2X	73	6
2008	MAY	3	0936	31.19	19	33.75	155	37.26	11.67	19	4	.10	.6	1.2	MLO	1.3X	182	9
2008	MAY	3	1237	20.78	19	20.04	155	12.77	8.53	31	5	.10	.4	.8	SF2	1.2X	73	5
2008	MAY	3	1645	44.29	19	6.81	155	28.22	32.53	37	6	.09	.7	1.4	DLS	1.7X	175	5
2008	MAY	3	2256	17.45	19	18.43	155	15.46	8.19	42	9	.12	.4	.6	SF1	1.5X	107	4
2008	MAY	4	0120	42.14	19	32.67	155	37.60	11.02	46	9	.14	.4	.5	MLOF	2.9X	47	7
2008	MAY	4	0131	30.69	19	32.45	155	37.27	12.41	15	2	.12	.6	1.7	MLO	1.4X	86	6
2008	MAY	4	0146	42.91	19	39.37	155	57.54	20.08	18	3	.07	2.1	2.6	HUA	1.7X	289	19

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAY	4	0256	19.85	19	32.45	155	37.57	10.84	27	5	.14	.6	1.2	MLO	1.5X	86	6
2008	MAY	4	0419	59.92	19	34.98	155	42.81	2.43	20	4	.10	.4	1.0	MLO	1.1X	96	10
2008	MAY	4	0431	0.34	19	25.17	155	24.65	9.83	24	4	.09	.4	.9	KAO	1.6X	73	7
2008	MAY	4	0708	12.48	19	52.53	155	23.69	15.95	19	4	.11	1.6	1.3	KEA	1.3X	220	6
2008	MAY	4	0713	23.45	19	50.45	155	22.72	27.33	28	4	.10	.8	1.5	KEA	1.4X	143	7
2008	MAY	4	0723	6.89	18	53.28	155	32.61	39.52	19	3	.09	1.7	2.6	DLS	1.8X	293	31
2008	MAY	4	1205	3.29	19	25.61	155	20.26	2.82	19	6	.11	.4	.7	KAO	1.3X	128	4
2008	MAY	4	1534	1.44	19	10.59	155	29.02	33.82	4610	.09	.6	1.0	DLS	2.2X	89	3	
2008	MAY	4	2014	45.61	19	14.62	155	27.42	9.42	42	8	.14	.4	.7	LSW	1.8X	90	5
2008	MAY	4	2155	18.38	19	47.67	155	21.98	30.99	37	8	.09	.7	1.3	KEA	1.8X	139	11
2008	MAY	5	0003	10.25	19	33.12	155	38.00	10.88	25	3	.12	.6	1.1	MLO	1.2X	90	8
2008	MAY	5	0338	20.17	19	57.69	155	30.34	36.87	23	5	.07	1.2	1.3	KEA	1.2U	244	19
2008	MAY	5	0604	11.70	19	32.38	155	37.64	9.72	37	5	.15	.4	.7	MLO	2.0X	90	6
2008	MAY	5	0843	14.18	19	20.86	155	5.48	7.31	34	8	.11	.5	.7	SF4	1.7X	158	6
2008	MAY	5	0904	42.28	19	13.80	155	29.38	42.04	36	9	.08	.8	1.2	DLS	1.7X	93	3
2008	MAY	5	0929	47.99	19	46.02	155	32.54	23.79	23	4	.08	1.1	1.5	KEA	1.6X	234	19
2008	MAY	5	1241	48.44	19	30.22	155	27.57	7.36	27	7	.09	.4	1.2	MLO	1.6X	98	3
2008	MAY	5	1721	0.85	18	57.45	155	5.85	42.90	46	9	.12	1.1	1.6	LOI	2.2X	255	37
2008	MAY	6	0406	58.56	19	25.39	155	30.08	10.55	19	3	.07	.4	1.2	KAO	1.1X	65	7
2008	MAY	6	0857	57.16	19	32.77	155	36.90	7.78	22	5	.13	.5	1.4	MLO	1.3X	88	7
2008	MAY	6	0915	32.79	18	59.74	155	27.95	41.01	5313	.09	.8	1.0	DLSF	3.2X	219	18	
2008	MAY	6	1120	35.15	18	55.62	155	27.94	46.59	23	3	.10	1.5	1.7	DLS	1.9X	245	22
2008	MAY	6	1647	20.21	19	24.14	155	17.08	1.60	27	7	.09	.3	.2	SSCL	1.8X	99	1
2008	MAY	6	1710	1.11	19	16.92	155	21.37	36.79	25	3	.11	.9	1.7	DEP	1.7X	136	5
2008	MAY	6	2230	30.14	19	24.28	155	17.09	1.73	24	7	.07	.3	.2	SSCL	1.7X	104	1
2008	MAY	6	2334	4.28	19	30.02	155	43.26	7.47	17	3	.13	.6	1.4	KON	1.1X	94	5
2008	MAY	7	0148	18.62	19	21.60	155	0.99	8.06	34	4	.13	.9	.5	SF5	1.9X	196	8
2008	MAY	7	0249	57.90	19	10.57	155	28.21	34.50	29	4	.07	.7	1.5	DLS	1.4X	98	2
2008	MAY	7	1722	35.68	19	23.56	155	50.22	12.83	22	3	.12	.6	.5	KON	1.8X	127	14
2008	MAY	7	2337	13.50	19	1.63	155	23.50	38.83	23	5	.09	1.1	1.5	LOI	1.6X	217	16
2008	MAY	8	0334	18.72	19	18.90	155	12.89	5.55	44	9	.11	.4	.7	SF2	1.9X	89	4
2008	MAY	8	0342	0.56	19	18.90	155	12.80	5.33	44	8	.12	.4	.6	SF2	2.1X	91	4
2008	MAY	8	0349	5.36	19	20.39	155	6.23	8.12	40	7	.08	.4	.5	SF4	1.7X	153	6
2008	MAY	8	0409	51.32	19	18.56												

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAY	10	0203	28.37	19	25.70	155	27.83	7.48	14	3	.11	.5	1.4	KAO	1.1U	85	6
2008	MAY	10	0220	47.39	19	53.69	155	15.82	11.47	29	4	.10	.9	.4	KEA	1.6X	223	8
2008	MAY	10	0339	54.52	19	29.10	155	28.17	5.45	38	5	.13	.3	1.5	KAO	2.0X	52	5
2008	MAY	10	0629	40.71	19	24.59	155	16.99	1.76	13	2	.05	.3	.2	SNCL	1.3X	122	1
2008	MAY	10	1148	46.89	19	14.61	156	18.85	37.47	4610	.11	1.1	1.6	KON	2.5X	292	47	
2008	MAY	10	1421	15.78	19	15.28	155	27.33	8.25	30	5	.11	.4	.9	LSW	1.6X	80	5
2008	MAY	10	1430	50.52	18	51.49	155	10.29	32.03	44	9	.12	1.1	2.5	LOI	2.3X	277	45
2008	MAY	10	2002	51.01	19	29.38	155	26.25	8.22	8	3	.05	.9	2.0	KAO	1.1X	110	5
2008	MAY	11	0619	32.67	19	20.24	155	7.30	8.94	41	9	.10	.4	.5	SF4	2.1X	135	5
2008	MAY	11	0656	26.34	19	39.45	155	10.45	0.40	35	9	.12	.3	.2	KEA	1.5X	106	16
2008	MAY	11	0733	12.60	19	20.03	155	6.38	8.08	34	6	.08	.4	.6	SF4	1.6X	156	6
2008	MAY	11	1114	13.57	18	50.99	156	46.55	29.22	43	7	.11	1.6	2.9	DIS	3.0X	324106	
2008	MAY	11	1443	20.34	19	13.07	155	33.20	10.73	24	4	.11	.5	1.4	LSW	1.6X	128	7
2008	MAY	11	1735	28.26	19	25.65	155	15.93	2.42	32	8	.10	.2	.3	SNC	2.2X	88	3
2008	MAY	11	2137	48.05	19	12.92	155	21.22	47.34	17	1	.08	1.5	2.5	DEP	2.0X	182	6
2008	MAY	12	1502	12.49	19	26.88	155	30.72	14.09	24	5	.11	.5	.8	DML	1.5X	75	5
2008	MAY	13	0429	9.27	19	11.71	155	35.35	6.03	28	2	.16	.5	1.5	LSW	1.7X	94	11
2008	MAY	13	0534	48.83	19	4.87	156	16.20	41.62	23	4	.11	1.6	2.5	KON	1.8X	294	47
2008	MAY	13	0546	26.90	19	31.95	156	44.74	19.35	33	4	.12	1.7	8.8	DIS	2.6X	305	87
2008	MAY	13	0730	58.46	19	19.46	155	15.21	8.00	41	7	.11	.4	.5	SF1	2.0X	86	5
2008	MAY	13	1034	1.14	19	18.34	155	48.19	8.77	31	6	.13	.5	.9	KON	1.4X	116	8
2008	MAY	13	1623	59.00	19	19.41	155	13.00	6.83	35	4	.09	.4	.6	SF2	1.5X	78	4
2008	MAY	13	1815	28.32	18	58.22	155	28.20	43.97	24	3	.08	1.1	1.6	DLS	1.9X	229	21
2008	MAY	13	1939	52.51	19	40.71	155	56.03	31.83	26	5	.08	1.3	1.5	HUA	1.7X	266	10
2008	MAY	13	1956	23.28	19	15.50	155	6.00	44.49	27	4	.09	1.2	1.2	DEP	1.5X	232	5
2008	MAY	14	0020	9.64	19	18.64	155	14.78	5.81	32	4	.10	.4	.8	SF1	1.1X	92	4
2008	MAY	14	0311	13.69	19	19.55	155	15.34	8.48	43	6	.11	.4	.4	SF1	2.1X	86	5
2008	MAY	14	0531	11.82	19	19.75	155	8.27	7.15	37	5	.11	.5	.6	SF4	1.6X	113	4
2008	MAY	14	0622	3.87	19	19.89	155	12.29	4.84	33	3	.14	.4	1.7	SSF	1.5X	81	5
2008	MAY	14	0939	41.35	19	17.25	155	15.21	7.08	34	4	.13	.5	.9	SF1	1.7X	141	3
2008	MAY	14	1109	16.94	19	23.36	155	29.91	11.48	20	3	.12	.5	1.0	KAO	1.4X	47	4
2008	MAY	14	1511	36.82	19	18.37	155	29.61	8.66	20	3	.10	.4	1.2	LSW	.9X	51	6
2008	MAY	14	1614	43.09	19	17.90	155	23.13	2.84	19	2	.08	.3	.8	SWR	1.1X	99	4
2008	MAY	14	1932	38.42	19	28.80	155	26.61	9.97	22	4	.11	.4	1.0	KAO	1.6X	59	6
2008	MAY	14	2259	37.99	19	30.58	155	6.14	42.21	41	8	.10	.7	1.1	DEP	1.9X	87	12
2008	MAY	15	0348	39.85	19	12.94	155	29.74	9.76	25	4	.11	.4	.5	LSW	1.7X	75	4
2008	MAY	15	0429	43.62	18	57.89	155	11.42	24.64	30	4	.10	1.5	3.3	LOI	1.9X	267	35
2008	MAY	15	0824	57.12	19	19.94	155	2.09	36.84	30	3	.10	1.3	1.7	DEP	2.0X	215	9
2008	MAY	15	1338	1.47	19	24.51	155	16.95	1.65	31	7	.08	.3	.2	SSC	2.1X	120	1
2008	MAY	16	0911	8.12	19	50.53	155	8.74	40.69	43	9	.12	.8	1.2	KEA	2.0X	205	20
2008	MAY	16	1146	3.37	19	13.72	155	28.14	38.93	22	3	.09	.9	1.8	DLS	1.3X	95	4
2008	MAY	16	1848	41.05	19	27.07	155	30.07	12.39	24	3	.11	.4	.9	KAO	1.4X	73	6
2008	MAY	16	2117	17.13	19	10.69	155	28.64	33.86	4710	.07	.6	1.0	DLS	2.1X	77	3	
2008	MAY	17	0200	23.00	19	20.45	155	7.22	8.55	37	8	.09	.4	.4	SF4	1.5X	134	5
2008	MAY	17	0532	42.31	19	13.66	155	35.15	7.26	31	4	.12	.4	1.2	LSW	2.0X	78	9

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAY	17	1356	20.81	19	29.40	155	26.35	6.07	17	4	.15	.5	1.9	KAO	1.1X	102	5
2008	MAY	17	1726	42.34	19	18.22	155	30.27	10.09	42	9	.09	.3	.7	LSW	1.9X	62	6
2008	MAY	17	1737	10.09	19	18.60	155	47.88	9.61	25	5	.10	.4	.9	KON	1.5X	130	9
2008	MAY	18	0149	42.41	19	24.34	155	16.99	1.55	18	6	.06	.3	.2	SSCL	1.3X	110	1
2008	MAY	18	0300	35.27	19	56.89	155	34.90	44.86	26	5	.08	.9	1.4	KOH	1.6X	150	13
2008	MAY	18	0430	24.72	19	24.37	155	17.06	1.82	17	6	.05	.3	.2	SSCL	1.5X	109	1
2008	MAY	18	0705	11.97	19	23.88	155	15.94	3.16	22	6	.13	.4	.3	SEC	1.6X	107	1
2008	MAY	18	1511	28.64	19	25.85	155	24.25	10.81	47	9	.11	.3	.6	KAO	2.1X	40	7
2008	MAY	18	1524	42.37	20	4.52	156	26.44	25.20	32	6	.11	1.1	4.6	DIS	2.4X	299	69
2008	MAY	18	1840	0.67	19	19.10	155	13.56	4.73	33	6	.14	.4	1.5	SSF	1.6X	69	4
2008	MAY	18	1842	21.62	19	6.17	155	19.43	38.65	37	8	.11	.9	1.3	LOI	1.7X	205	16
2008	MAY	18	1931	34.49	20	49.91	154	48.91	17.43	23	4	.13	2.516	8	DIS	2.4X	338118	
2008	MAY	18	1951	23.72	19	26.33	155	53.12	14.00	20	2	.09	.7	.4	KON	1.1X	153	6
2008	MAY	18	2011	14.50	19	21.06	155	19.97	33.25	46	7	.10	.5	.9	DEP	2.3X	53	5
2008	MAY	19	0001	32.20	19	27.25	155	26.16	3.53	28	4	.11	.3	1.7	KAO	1.4X	56	7
2008	MAY	19	0356	38.43	19	22.23	155	14.22	1.88	17	3	.05	.3	.3	SECL	1.6X	71	2
2008	MAY	19	1342	25.36	19	24.84	155	37.47	2.75	15	5	.14	.5	.4	MLO	1.2X	93	1
2008	MAY	19	1636	4.46	19	3.87	155	16.73	58.75	30	7	.10	1.0	1.3	LOI	2.0X	243	22
2008	MAY	19	1655	19.04	19	20.05	155	7.44	7.56	34	8	.12	.4	.6	SF4	1.3X	133	5
2008	MAY	19	1827	8.17	19	30.59	155	32.55	61.23	20	4	.13	1.9	1.3	DML	1.7X	140	6
2008	MAY	19	1912	12.69	19	13.56	155	34.35	8.92	23	3	.13	.5	1.9	LSW	1.6X	126	8
2008	MAY	19	2331	16.71	19	22.08	155	14.34	1.35	39	9	.11	.2	.3	SECF	2.9U	55	2
2008	MAY	19	2331	50.39	19	22.15	155	14.45	1.91	17	4	.10	.3	.3	SECL	2.1X	88	3
2008	MAY	19	2343	56.23	19	22.08	155	14.41	1.94	36	9	.11	.2	.3	SECL	2.2X	65	3
2008	MAY	20	0001	53.16	19	22.17	155	14.36	1.68	39	8	.12	.2	.3	SECL	2.2X	54	2
2008	MAY	20	0222	19.46	19	22.34	155	14.24	1.56	34	7	.10	.2	.3	SECL	2.1X	77	2
2008	MAY	20	0807	26.95	20	5.21	155	29.80	32.66	30	7	.10	.9	1.3	KEA	1.9X	211	27
2008	MAY	20	1017	43.70	19	28.96	155	26.58	7.33	14	4	.12	.5	1.4	KAO	1.5X	92	6
2008	MAY	20	1454	10.80	19	24.12	155	29.75	9.25	24	5	.07	.3	.8	KAO	1.5X	50	5
2008	MAY	20	2013	10.86	19	24.31	155	29.49	10.02	5212	.10	.3	.3	.4	KAO	2.5X	30	5
2008	MAY	21	0103	52.43	19	17.64	155	0.61	36.77	25	3	.09	1.3	1.2	DEP	1.7X	226	13
2008	MAY	21	0146	44.20	19	25.32	155	15.88	2.68	32	7	.14	.2	.4	SNCL	2.3X	52	3

---ORIGIN TIME (HST)---		-LAT N---		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAY	22	1709	33.64	19	21.63	155	46.66	13.63	19	4	.08	.5	.4	KON	1.2X	140	12
2008	MAY	22	1722	39.68	19	53.79	155	7.84	8.76	37	8	.12	.8	.6	KEAF	1.8X	222	22
2008	MAY	22	1913	38.56	19	14.45	155	18.22	30.01	4410	.10	.6	1.0	DEP	1.9X	161	7	
2008	MAY	22	2226	19.84	19	22.28	155	14.07	1.77	46	9	.13	.2	.3	SECFL	3.6U	53	2
2008	MAY	22	2300	55.79	19	12.28	155	31.77	38.08	22	3	.07	.9	1.9	DLS	1.6X	132	6
2008	MAY	23	0038	28.05	19	25.10	155	37.84	2.43	42	8	.12	.3	.3	MLO	2.3X	69	1
2008	MAY	23	0122	4.64	19	19.59	155	8.08	7.37	35	8	.09	.4	.7	SF4	1.4X	118	4
2008	MAY	23	0203	38.98	19	32.78	155	38.87	5.80	28	4	.14	.4	2.5	MLO	1.8X	50	8
2008	MAY	23	0230	5.27	18	59.63	155	27.99	41.31	4811	.09	.8	1.1	DLS	2.6X	219	18	
2008	MAY	23	0307	34.64	19	22.12	155	37.09	13.58	34	5	.12	.4	.5	DML	1.5X	69	4
2008	MAY	23	0441	31.05	19	49.64	155	51.28	14.68	17	2	.10	1.8	.7	HUA	1.2X	249	16
2008	MAY	23	0542	42.88	19	17.82	155	15.43	8.15	44	9	.11	.4	.6	SF1	2.4X	119	4
2008	MAY	23	0730	1.79	19	18.15	155	15.71	8.87	44	9	.12	.4	.5	SF1	2.3X	135	5
2008	MAY	23	1046	23.07	19	19.84	155	6.78	6.94	31	5	.10	.5	.8	SF4	1.5X	149	5
2008	MAY	23	1207	6.87	20	12.84	155	38.84	39.55	30	7	.10	1.7	.9	KOH	1.9X	262	17
2008	MAY	23	1417	19.98	19	20.00	155	7.18	8.30	22	4	.10	.5	.9	SF4	1.5X	139	5
2008	MAY	23	1657	54.58	19	22.27	155	33.82	3.96	19	2	.12	.4	1.5	MLO	1.1X	66	5
2008	MAY	23	1732	6.94	19	36.48	155	19.26	13.83	29	6	.12	.5	.8	KEA	1.1X	87	14
2008	MAY	23	1733	1.40	19	36.24	155	18.50	10.29	17	3	.10	.6	1.8	KEA	1.1X	181	15
2008	MAY	24	0132	7.93	19	22.64	155	29.97	9.01	24	3	.09	.3	.8	KAO	1.4X	47	4
2008	MAY	24	0554	29.63	19	36.68	155	17.10	29.01	46	9	.10	.6	1.0	KEA	2.1X	123	17
2008	MAY	24	0652	2.54	19	22.03	155	14.52	1.32	19	5	.08	.3	.4	SECL	1.9X	89	3
2008	MAY	25	0247	50.22	19	0.34	156	17.35	38.46	48	9	.11	1.2	1.9	KON	2.4X	291	53
2008	MAY	25	0325	48.80	19	19.98	155	7.80	8.57	34	8	.09	.5	.7	SF4	1.4X	125	5
2008	MAY	25	0536	32.94	18	48.99	155	9.54	52.18	40	6	.09	1.2	2.0	LOI	2.1X	270	50
2008	MAY	25	0753	14.00	19	20.16	155	10.71	8.47	4511	.10	.3	.4	SF3	2.0X	84	5	
2008	MAY	25	1843	4.23	19	29.22	155	35.82	9.59	12	3	.10	.8	.8	MLOL	1.3X	108	0
2008	MAY	25	2316	5.61	18	54.76	155	33.64	41.59	40	7	.10	1.0	1.3	DLS	2.0X	257	14
2008	MAY	26	0241	21.55	19	14.24	155	20.30	34.41	38	5	.13	.8	1.3	DEP	1.6X	162	7
2008	MAY	26	0350	16.44	19	0.64	155	19.95	36.89	47	9	.08	.9	1.3	LOI	2.1X	225	21
2008	MAY	26	1736	30.74	19	20.34	155	11.84	7.00	40	7	.14	.4	.6	SF3	1.4X	77	5
2008	MAY	26	1810	46.50	19	32.61	155	37.10	8.33	42	7	.15	.4	.8	MLO	1.8X	91	6
2008	MAY	26	1847	19.44	19	18.68	155	14.99	6.79	33	5	.10	.4	.8	SF1	1.4X	96	4
2008	MAY	26	1957	59.88	19	25.05	155	15.79	44.55	31	5	.11	.8	1.1	DEP	1.8X	115	3
2008	MAY	26	2120	0.39	19	23.34	155	30.18	10.74	26	5	.09	.3	.8	KAO	1.4X	48	5
2008	MAY	27	0521	9.42	19	9.66	155	40.56	2.36	46	8	.18	.4	.9	LSW	2.4X	88	9
2008	MAY	27	1304	41.61	19	0.75	155	11.20	11.73	22	5	.13	1.1	.6	LOI	1.7X	270	30
2008	MAY	27	1923	9.32	19	25.03	155	37.43	2.74	39	7	.11	.3	.3	MLO	2.0X	67	1
2008	MAY	28	0349	27.82	19	25.72	155	37.63	3.46	39	9	.12	.3	.5	MLO	2.1X	81	3
2008	MAY	28	0415	41.99	19	21.03	155	6.02	8.95	4610	.08	.4	.4	.3	SF4	2.4X	148	5
2008	MAY	28	1033	25.05	19	55.55	155	34.17	11.52	18	4	.09	1.0	.5	KOH	1.3X	226	12
2008	MAY	28	1441	59.02	19	20.54	155	12.63	8.54	4210	.10	.3	.4	SF2	2.0X	68	4	
2008	MAY	28	1620	3.90	19	19.75	155	12.17	6.66	20	2	.11	.5	1.2	SF3	1.4X	85	6
2008	MAY	28	1722	35.92	19	22.26	155	8.52	2.97	19	5	.09	.8	.4	SER	1.5X	150	2
2008	MAY	28	1855	38.29	19	20.59	155	49.70	5.59	24	4	.20	.9	1.8	KON	1.3X	151	10

---ORIGIN TIME (HST)---		-LAT N---		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	MAY	28	1915	5.38	18	58.70	155	28.29	42.62	40	6	.08	.9	1.2	DLS	1.9X	226	20
2008	MAY	28	2332	45.52	19	42.26	155	23.57	46.19	38	8	.08	.8	1.0	KEA	1.7X	79	11
2008	MAY	28	2351	43.93	19	13.34	155	16.16	44.91	26	5	.11	1.0	1.4	DEP	1.4X	200	8
2008	MAY	28	2352	28.42	19	13.12	155	16.97	46.07	40	6	.08	.9	1.0	DEP	2.0X	188	9
2008	MAY	29	0024	42.55	19	20.07	155	7.09	7.54	29	4	.12	.4	.6	SF4	1.4X	140	5
2008	MAY	29	0213	47.60	19	52.94	156	1.73	41.10	45	7	.10	.9	1.4	HUA	2.3X	237	29
2008	MAY	29	0535	54.47	19	19.11	155	15.07	7.38	38	6	.10	.4	.6	SF1	1.6X	89	5
2008	MAY	29	1708	23.17	19	16.25	155	29.67	36.02	33	7	.09	.6	1.3	DLS	1.7X	56	2
2008	MAY	29	2024	51.51	19	23.17	155	30.65	10.32	30	4	.09	.4	.9	KAO	1.6X	75	5
2008	MAY	30	0129	41.06	19	16.83	155	28.53	6.34	29	5	.13	.4	1.1	LSW	1.4X	64	4
2008	MAY	30	0157	29.04	19	29.47	155	42.21	14.54	25	3	.11	.7	.3	DML	1.3X	94	7
2008	MAY	30	0723	19.30	19	27.36	154	53.95	2.81	25	5	.17	1.3	.6	SLEF	2.3X	260	2
2008	MAY	30	0820	12.92	19	32.38	155	42.75	9.49	23	5	.13	.6	1.3	MLO	1.7X	111	6
2008	MAY	30	1123	2.36	19	10.85	155	41.24	8.52	28	6	.14	.7	1.6	LSW	1.7X	154	9
2008	MAY	30	1452	50.30	19	28.79	155	26.90	3.41	17	4	.11	.3	1.3	KAO	1.0X	85	6
2008	MAY	30	1819	21.63	19	44.85	155	17.94	27.98	4410	.11	.7	1.3	KEA	2.0X	116	16	
2008	MAY	30	1939	8.64	19	29.10	155	52.88	10.99	42	8	.13	.5	.3	KON	2.4X	99	4
2008	MAY	31	0209	5.74	19	15.91	156	2.63	44.21	42	6	.09	.8	1.2	KON	2.3X	260	18
2008	MAY	31	0358	44.80	19	33.04	155	5.95	40.47	40	8	.13	.6	1.1	HIL	1.7X	95	16
2008	MAY	31	0426	46.18	19	25.37	155	24.06	9.78	23	4	.13	.4	1.0	KAO	1.2X	80	8
2008	MAY	31	1725	49.92	19	22.65	155	29.96	10.77	22	4	.08	.4	1.0	KAO	1.2X	47	4
2008	MAY	31	2235	1.17	19	22.23	155	1.30	4.67	31	5	.14	.8	2.2	SSF	1.4X	186	7
2008	JUN	1	0029	17.96	19	21.71	155	4.66	7.23	36	7	.14	.4	.6	SF5	1.6X	158	5
2008	JUN	1	0456	47.16	19	15.71	155	30.20	10.46	25	3	.12	.4	.8	LSW	1.3X	75	1
2008	JUN	1	0824	10.85	19	29.03	155	26.26	6.49	34	5	.13	.3	1.0	KAO	1.4X	64	5
2008	JUN	1	1051	46.59	19	8.03	155	24.22	45.60	25	4	.08	1.1	1.5	LOI	1.9X	236	7
2008	JUN	1	1743	25.35	19	26.95	155	16.78	48.71	15	2	.10	2.3	1.4	DEP	1.4X	258	3
2008	JUN	1	1802	44.46	19	25.70	155	15.13	44.97	25	4	.09	1.1	1.3	DEP	1.7X	143	6
2008	JUN	1	1844	35.41	19	24.61	155	14.80	46.19	27	6	.09	1.1	.9	DEP	1.5X	136	5
2008	JUN	1	2230	5.50	18	59.47	155	27.92	41.87	47	9	.08	.9	1.1	DLS	2.4X	221	19
2008	JUN	1	2252	12.52	19	20.23	155	7.50	7.49	31	4	.13	.4	.7	SF4	1.5X	130	5
2008	JUN	2	0029	57.86	19	56.71	155	15.13	38.69	31	6	.09	1.1	1.4	KEA	1.7X	237	11
2008	JUN	2	0111	24.92	19	25.77	155	13.51	49.16	30	6	.13	1.3	.9	DEP	1.4X	146	2
2008	JUN	2	0120	15.92	19													

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUN	3	1829	36.22	19	20.04	155	8.41	8.48	4710	.09	.3	.4	SF4F	2.4X	109	5	
2008	JUN	3	1830	41.76	19	19.83	155	8.48	8.57	37	9	.09	.4	.6	SF4	1.8X	108	5
2008	JUN	3	1951	45.72	19	23.87	155	30.19	12.67	19	4	.11	.5	1.3	KAO	1.0X	77	5
2008	JUN	3	2357	42.21	19	30.44	155	28.94	5.66	11	3	.10	.6	1.9	MLO	1.0X	144	4
2008	JUN	4	0011	42.79	19	24.81	155	1.55	6.19	27	7	.10	.5	1.3	SF5	1.4X	137	5
2008	JUN	4	0144	49.57	19	7.34	155	28.36	30.77	27	4	.09	.8	1.5	DLS	1.5X	179	4
2008	JUN	4	0209	44.89	19	19.84	155	8.46	9.47	29	6	.09	.5	.8	SF4	1.4X	111	5
2008	JUN	4	0655	52.63	19	20.39	155	7.41	7.87	4612	.09	.4	.5	SF4	1.9X	130	5	
2008	JUN	4	0732	57.36	19	28.37	155	28.02	11.11	16	4	.10	.6	1.4	KAO	1.2X	86	7
2008	JUN	4	1026	54.21	19	23.25	155	27.00	5.75	18	4	.09	.4	.8	KAO	1.5X	58	2
2008	JUN	4	1438	27.07	19	20.09	155	16.04	30.36	27	4	.12	1.0	1.5	DEP	1.6X	89	4
2008	JUN	4	1628	18.54	19	25.74	155	30.24	11.57	18	5	.09	.5	1.3	KAO	1.1X	118	8
2008	JUN	4	2313	56.98	19	20.26	155	10.70	8.69	32	7	.08	.4	.6	SF3	1.8X	84	5
2008	JUN	5	1357	30.27	19	20.07	155	6.96	8.45	36	7	.08	.4	.6	SF4	1.6X	144	5
2008	JUN	5	1718	25.77	19	21.80	155	26.61	10.89	31	5	.10	.4	.7	KAO	1.2X	46	2
2008	JUN	5	2229	31.58	19	12.51	155	31.93	37.17	46	9	.08	.7	1.0	DLS	2.1X	84	6
2008	JUN	6	0123	6.92	19	13.43	156	20.83	30.07	24	3	.10	1.6	3.6	DIS	1.9X	312	54
2008	JUN	6	0158	1.23	19	39.52	156	12.75	30.61	30	6	.12	1.3	2.6	HUA	2.1X	288	36
2008	JUN	6	0743	36.88	19	19.92	155	3.96	6.38	34	9	.12	.6	1.4	SF5	1.8X	189	8
2008	JUN	6	1525	12.54	18	59.76	155	25.92	42.29	30	6	.08	1.1	1.7	DLS	1.5X	252	18
2008	JUN	6	1541	20.25	18	58.93	155	25.68	41.07	25	5	.11	1.4	2.0	DLS	1.5X	267	20
2008	JUN	6	1703	25.28	18	52.54	155	9.81	43.78	31	6	.09	1.3	2.3	LOI	1.7X	284	45
2008	JUN	6	1833	50.07	19	25.00	155	39.14	2.97	15	3	.08	.9	.6	MLO	1.1X	200	3
2008	JUN	7	0256	32.40	19	2.67	155	24.24	37.57	26	4	.10	.9	1.7	LOI	1.8X	211	14
2008	JUN	7	0627	3.51	19	25.83	155	28.94	10.59	19	4	.09	.4	1.2	KAO	1.2X	62	7
2008	JUN	7	1300	0.27	19	19.86	155	6.43	8.96	34	8	.09	.4	.5	SF4	1.3X	156	5
2008	JUN	7	1317	45.28	19	14.47	155	27.33	11.83	32	7	.13	.4	.9	LSW	1.3X	94	5
2008	JUN	7	1509	45.13	19	24.06	155	16.00	1.86	15	4	.14	.3	.4	SECL	1.6X	116	1
2008	JUN	7	2351	38.07	19	48.15	155	19.04	33.47	26	4	.09	.8	1.3	KEA	1.6X	125	10
2008	JUN	7	2358	45.17	19	6.78	155	28.27	30.73	42	7	.07	.7	1.1	DLS	1.6X	175	5
2008	JUN	8	0144	44.25	19	47.75	156	4.23	39.19	16	3	.08	2.0	2.0	HUA	1.4X	291	27
2008	JUN	8	0212	30.53	19	15.75	154	58.95	37.51	21	5	.10	1.5	1.5	DIS	1.4X	270	16
2008	JUN	8	0416	42.90	19	27.56	155	15.22	51.02	31	6	.11	1.4	1.1	DEP	1.6X	129	6
2008	JUN	8	0452	32.60	19	24.70	155	15.48	47.14	28	6	.12	.9	1.1	DEP	1.7X	136	4
2008	JUN	8	0525	57.63	19	19.85	155	8.40	8.26	38	9	.09	.4	.6	SF4	1.9X	110	5
2008	JUN	8	0538	49.95	19	26.53	155	15.50	48.77	44	9	.10	.7	1.0	DEP	2.2X	49	4
2008	JUN	8	0542	56.24	19	25.16	155	16.05	47.51	22	4	.12	1.5	1.6	DEP	1.7X	180	3
2008	JUN	8	0550	18.22	19	25.74	155	16.06	47.08	38	8	.09	.9	1.0	DEP	1.8X	124	3
2008	JUN	8	0557	34.88	19	24.95	155	15.62	47.17	38	9	.07	.8	.9	DEP	2.2X	130	2
2008	JUN	8	0842	32.77	19	33.26	155	41.60	10.52	21	5	.15	.6	1.5	MLO	1.1X	120	9
2008	JUN	8	0852	6.60	19	8.61	155	33.66	35.36	32	6	.08	.8	1.4	DLS	1.8X	133	10
2008	JUN	8	0950	35.60	19	24.05	155	15.90	3.04	22	6	.09	.4	.3	SECL	1.7X	115	1
2008	JUN	8	1046	42.85	19	23.78	155	18.07	2.71	15	5	.10	.4	.4	SSCL	1.6X	112	2
2008	JUN	8	1345	8.79	19	30.27	155	18.85	14.21	37	7	.12	.4	.5	DEP	1.6X	79	8
2008	JUN	8	1422	45.18	19	19.42	155	13.39	7.25	44	9	.13	.4	.7	SF2	2.1X	71	4

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUN	8	1606	3.89	19	18.85	155	13.27	3.83	28	4	.11	.3	1.0	SSF	1.5X	81	3
2008	JUN	9	0227	15.34	19	0.65	155	8.52	45.43	19	3	.09	1.7	2.5	LOI	1.7X	276	31
2008	JUN	9	0436	7.42	19	37.18	156	10.46	29.70	23	4	.12	1.7	2.8	KON	1.7X	280	31
2008	JUN	9	1510	38.73	19	25.73	155	37.38	3.21	40	8	.15	.3	.5	MLO	2.4X	72	3
2008	JUN	9	2126	32.33	19	10.33	155	32.17	32.67	5112	.07	.5	.9	DLSF	2.9X	113	8	
2008	JUN	9	2341	34.28	19	20.09	155	8.64	9.17	38	9	.09	.4	.5	SF4	1.8X	105	5
2008	JUN	10	0159	2.59	19	20.12	155	13.49	8.58	44	8	.11	.3	.5	SF2	1.7X	62	5
2008	JUN	10	0626	27.26	19	22.65	155	30.39	10.54	18	4	.07	.4	1.1	KAO	1.2X	50	5
2008	JUN	10	0632	32.69	19	18.60	155	8.48	9.15	31	6	.09	.5	.7	SF4	1.3X	103	2
2008	JUN	10	0722	54.57	19	19.46	155	10.24	8.32	37	9	.09	.4	.6	SF3	1.6X	98	6
2008	JUN	10	0914	36.58	19	19.77	155	7.90	9.16	39	9	.10	.5	.6	SF4	1.9X	124	4
2008	JUN	10	0937	46.79	19	24.38	155	36.27	13.33	23	5	.13	.5	1.2	DML	1.4X	61	3
2008	JUN	10	1339	19.89	19	18.75	155	15.37	5.66	29	6	.09	.4	1.3	SF1	1.3X	109	5
2008	JUN	10	1814	21.68	19	16.49	155	30.02	12.20	31	6	.13	.4	1.1	LSW	1.2X	85	3
2008	JUN	10	2135	25.53	19	20.60	155	8.01	8.71	4210	.11	.4	.4	SF4	2.3X	116	5	
2008	JUN	10	2200	39.22	19	27.64	155	4.55	11.47	42	9	.10	.4	.5	GLN	1.9X	80	6
2008	JUN	11	0513	38.89	19	19.89	155	8.10	8.25	5112	.12	.3	.4	SF4	3.0X	117	5	
2008	JUN	11	1133	16.75	19	17.59	155	26.26	37.08	5113	.12	.6	.9	DLS	2.8X	70	7	
2008	JUN	11	1228	8.65	19	21.17	155	13.40	8.73	44	9	.11	.4	.4	SF2	2.3X	55	3
2008	JUN	11	1355	1.03	19	7.79	155	39.91	14.99	19	3	.08	1.1	.6	DLS	1.5X	203	11
2008	JUN	11	1420	47.36	19	26.91	154	51.55	8.78	36	8	.12	1.0	.5	LER	2.0X	271	7
2008	JUN	11	1653	56.81	19	12.55	155	32.09	3.19	37	7	.15	.5	1.6	LSW	1.9X	129	9
2008	JUN	11	1722	29.95	19	16.53	155	26.09	38.38	40	9	.12	.8	1.3	DLS	1.7X	56	5
2008	JUN	11	1938	19.92	19	10.27	155	31.16	11.37	28	5	.15	.5	.8	LSW	1.6X	163	6
2008	JUN	11	2150	8.34	19	19.79	155	7.54	5.19	31	6	.12	.5	1.5	SF4	1.1X	133	5
2008	JUN	11	2313	11.25	19	26.86	155	28.20	10.24	16	4	.10	.5	1.5	KAO	1.3X	73	8
2008	JUN	12	0403	17.46	19	34.02	155	40.33	7.52	22	5	.10	.7	1.8	MLO	1.4X	200	12
2008	JUN	12	0449	20.81	19	32.01	155	57.64	13.35	18	3	.13	1.8	.6	KON	1.4X	243	7
2008	JUN	12	0504	15.32	18	44.56	155	15.39	48.32	28	5	.11	1.6	3.7	LOI	1.8X	288	57
2008	JUN	12	0528	26.57	19	8.49	155	34.93	9.54	24		.13	.7	1.5	LSW	1.4X	127	13
2008	JUN	12	0617	38.68	19	25.63	155	36.13	15.08	38	9	.10	.5	.4	DML	1.7X	61	3
2008	JUN	12	1655	10.20	19	28.19	155	42.72	8.47	19	4	.14	.7	1.9	MLO	1.2X	150	7
2008	JUN	12	2124	3.59	19	12.77	155											

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUN	15	0742	26.42	19	16.12	155	15.58	25.11	17	4	.06	1.1	1.3	DEP	1.5X	223	4
2008	JUN	15	0831	36.65	19	11.08	155	28.89	18.85	27	3	.12	.6	1.2	DLS	1.5X	76	3
2008	JUN	15	0852	19.98	19	24.02	155	29.83	9.94	5012	.10	.3	.4	KAO	2.6X	30	5	
2008	JUN	15	1331	55.02	19	31.04	155	54.76	13.83	16	3	.08	1.5	.4	KON	1.3X	246	3
2008	JUN	15	1800	6.29	19	5.52	155	31.46	3.78	29		.12	1.3	4.2	LSW	1.8X	224	10
2008	JUN	15	1821	57.29	19	15.89	155	28.42	10.57	33	5	.12	.4	.8	LSW	2.0X	69	3
2008	JUN	15	2004	7.57	19	58.13	155	30.27	34.67	39	9	.11	.9	1.3	KEA	1.8X	175	19
2008	JUN	15	2103	21.62	19	36.80	155	57.53	36.21	29	6	.08	1.5	1.3	KON	1.7X	284	14
2008	JUN	16	0621	2.73	19	21.43	155	30.01	10.52	4710	.10	.3	.5	KAO	1.7X	38	5	
2008	JUN	16	0931	52.24	19	11.55	155	24.72	36.86	35	7	.11	1.0	1.4	DEP	1.6X	167	5
2008	JUN	16	0952	14.44	19	25.45	155	30.28	10.14	31	6	.11	.4	1.1	KAO	1.5X	83	7
2008	JUN	16	1245	2.08	19	20.20	155	6.58	9.21	4410	.10	.5	.4	SF4	2.2X	187	6	
2008	JUN	16	1411	6.39	19	59.60	155	19.44	10.75	26	7	.10	.9	.5	KEA	1.5X	208	12
2008	JUN	16	1607	10.71	19	19.42	155	47.62	8.55	21	4	.13	.7	3.1	KON	1.3X	121	10
2008	JUN	16	1921	32.18	19	28.40	155	28.43	8.47	43	8	.12	.3	.9	KAO	1.7X	54	7
2008	JUN	16	2041	15.67	19	11.55	155	21.80	40.31	39	7	.13	.9	1.3	DEP	1.8X	185	6
2008	JUN	16	2041	51.61	19	11.00	155	18.49	46.47	38	6	.13	.9	1.3	DEP	1.8X	204	11
2008	JUN	16	2042	37.77	19	8.62	155	19.77	34.87	40	8	.12	.9	1.3	LOIT	1.9X	192	13
2008	JUN	17	0810	31.67	19	26.58	155	30.05	9.36	37	8	.14	.4	1.0	KAO	1.6X	57	9
2008	JUN	17	0841	9.94	19	30.34	155	26.89	7.43	36	8	.10	.4	1.0	MLO	1.6X	84	3
2008	JUN	17	0942	58.92	19	26.64	155	30.14	10.65	30	6	.10	.4	.9	KAO	1.4X	74	9
2008	JUN	17	1316	9.06	19	6.78	155	31.87	6.36	35	6	.13	.6	2.0	LSW	1.8X	162	9
2008	JUN	17	1355	25.04	19	51.61	156	0.37	42.72	5512	.12	.8	1.3	HUAF	3.6X	178	26	
2008	JUN	17	1500	5.93	19	16.38	155	27.00	7.00	26	4	.10	.4	1.1	LSW	1.2X	62	6
2008	JUN	17	1614	47.53	19	24.51	155	17.19	1.94	15	5	.04	.3	.2	SSCL	1.5X	109	2
2008	JUN	17	1620	18.91	19	24.46	155	16.94	1.51	24	6	.07	.2	.2	SSC	1.6X	84	1
2008	JUN	17	1656	6.49	19	58.47	155	32.50	37.93	5012	.11	.7	1.2	KEA	2.3X	169	18	
2008	JUN	17	2133	7.69	19	19.75	155	8.08	8.51	4110	.09	.4	.5	SF4	1.8X	119	4	
2008	JUN	18	0018	50.92	19	24.12	154	50.54	40.02	37	8	.08	1.1	.8	LER	1.7X	301	10
2008	JUN	18	0449	22.64	19	22.05	155	34.73	6.96	41	6	.11	.3	1.1	MLO	1.7X	41	6
2008	JUN	18	0449	48.95	19	22.02	155	35.27	9.76	36	4	.10	.4	.9	MLOF	2.1X	48	6
2008	JUN	18	0557	43.63	19	22.71	155	29.41	9.85	23	4	.09	.4	.9	KAO	1.5X	67	3
2008	JUN	18	0734	34.64	19	26.23	155	29.17	9.77	21	4	.09	.4	1.4	KAO	1.1X	64	7
2008	JUN	18	0837	29.01	19	27.43	155	29.11	11.55	18	4	.08	.5	1.3	KAO	.9X	76	9
2008	JUN	18	0838	20.56	19	28.04	155	29.10	13.86	19	4	.10	.5	1.5	DML	1.2X	79	8
2008	JUN	18	1259	48.34	19	51.92	155	55.66	33.64	18	4	.12	1.2	1.9	HUA	1.6X	291	22
2008	JUN	18	1330	34.21	19	26.13	155	23.10	11.09	43	9	.11	.4	.6	KAO	2.2X	46	7
2008	JUN	18	1543	28.84	19	54.41	155	51.64	40.35	5413	.10	.6	1.2	HUAF	3.0X	191	22	
2008	JUN	18	2247	3.66	19	21.71	155	4.90	8.31	4712	.11	.4	.4	SF5	2.1X	155	5	
2008	JUN	19	0042	45.77	19	20.35	155	7.28	9.33	4310	.08	.3	.3	SF4	1.8X	134	5	
2008	JUN	19	0834	58.62	19	43.30	155	1.46	41.88	33	9	.13	.8	1.1	HIL	1.8X	231	2
2008	JUN	19	1140	35.87	19	20.11	155	10.65	8.30	33	8	.08	.4	.7	SF3	1.5X	84	5
2008	JUN	19	1155	12.00	19	20.00	155	10.92	8.26	42	9	.09	.4	.5	SF3	1.8X	87	5
2008	JUN	19	1404	51.44	19	47.83	155	20.87	33.59	39	8	.13	.7	1.4	KEA	1.8X	105	10
2008	JUN	19	2027	12.36	19	28.95	155	24.36	9.89	21	5	.10	.5	.9	KAO	1.2X	80	2

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUN	19	2122	6.42	19	22.95	155	30.29	10.62	4912	.12	.3	.5	KAO	2.6X	31	5	
2008	JUN	20	0012	22.66	19	23.88	155	16.61	2.31	18	6	.13	.4	.2	SSCL	1.4X	60	0
2008	JUN	20	0225	6.18	19	26.30	155	30.01	9.47	40	8	.11	.3	.9	KAO	1.6X	41	8
2008	JUN	20	0514	45.99	19	51.76	156	0.68	8.77	20	3	.20	5.8	8.7	HUA #	1.4X	291	59
2008	JUN	20	0630	56.25	19	25.14	155	30.18	11.36	29	5	.08	.4	1.1	KAO	1.5X	70	7
2008	JUN	20	0656	33.64	19	23.80	155	16.99	1.85	21	7	.09	.3	.2	SSCL	1.8X	89	1
2008	JUN	20	1205	51.29	19	20.96	155	5.88	9.20	40	9	.08	.5	.4	SF4	2.2X	151	5
2008	JUN	20	2014	2.70	19	51.82	155	15.29	37.25	37	5	.11	.9	1.5	KEA	1.6X	199	10
2008	JUN	20	2354	58.78	19	5.13	155	32.73	10.65	27	5	.13	1.0	.7	LSW	1.8X	239	12
2008	JUN	21	0318	19.11	19	24.69	155	17.05	3.33	16	4	.08	.4	.3	SNCL	1.7X	126	2
2008	JUN	21	0612	16.91	19	24.23	155	16.99	1.57	40	9	.09	.2	.2	SSCFL	2.1X	85	1
2008	JUN	21	0822	50.53	20	3.22	155	21.92	8.63	37	7	.11	1.0	.6	KEA	2.0X	216	32
2008	JUN	21	1239	28.79	19	12.60	155	21.75	47.11	30	6	.10	1.0	1.4	DEP	1.5X	172	5
2008	JUN	21	1323	34.84	18	51.09	155	17.15	47.76	32	9	.09	1.1	1.6	LOI	1.7X	263	39
2008	JUN	21	1822	35.23	19	16.04	155	22.61	9.09	4311	.12	.4	.6	SWR	2.0X	134	4	
2008	JUN	22	0029	10.72	19	25.09	155	15.91	2.91	23	6	.08	.3	.3	SNCL	1.3X	150	2
2008	JUN	22	0038	3.06	19	4.91	155	54.85	18.88	12		.1011.7	3.6	KON	-	1.4X	318	18
2008	JUN	22	0543	19.61	19	24.30	155	16.23	3.67	28	8	.09	.3	.3	SECL	1.6X	123	1
2008	JUN	22	0600	11.17	18	51.74	155	10.03	47.53	32	6	.10	1.4	2.5	LOI	1.6X	268	45
2008	JUN	22	1157	8.91	19	2.83	155	22.21	31.78	44	9	.10	.9	1.4	LOI	2.2X	213	16
2008	JUN	22	1207	42.63	19	22.50	155	14.13	3.28	23	6	.09	.3	.3	SEC	1.8X	83	2
2008	JUN	22	1214	45.52	19	19.76	155	8.16	8.21	4711	.09	.3	.3	SF4	2.4X	116	4	
2008	JUN	22	1716	46.91	19	12.51	155	28.62	12.49	4410	.12	.5	.4	LSWF	2.9X	144	5	
2008	JUN	22	1822	17.15	19	13.09	155	30.74	40.59	24	5	.10	.8	1.7	DLS	1.5X	71	4
2008	JUN	22	2010	21.35	19	27.49	155	13.89	34.45	40	6	.10	.6	1.0	DEP	1.7X	51	5
2008	JUN	22	2057	8.98	19	19.73	155	10.96	7.99	34	8	.09	.4	.7	SF3	1.4X	93	6
2008	JUN	23	0334	54.19	19	57.22	155	28.46	33.08	21	3	.10	1.1	1.6	KEA	1.3X	235	15
2008	JUN	23	1228	46.89	19	49.62	155	32.19	22.52	37	8	.11	.6	1.4	KEA	1.9X	108	10
2008	JUN	23	1833	54.51	19	34.24	156	2.89	27.55	21	3	.14	1.2	2.3	KON	1.2X	268	16
2008	JUN	23	2313	14.72	19	53.60	155	25.39	26.58	37	9	.09	.6	1.1	KEA	1.5X	190	8
2008	JUN	23	2321	38.12	19	29.26	155	27.78	5.32	40	7	.13	.3	1.7	KAO	1.6X	47	5
2008	JUN	24	0613	27.69	19	20.84	155	29.66	28.97	41	7	.10	.6	.9	DML	2.0X	49	5
2008	JUN	24	1232	13.52	19	20.23	155	3.75	6.02	35	8	.13	.6	1.0	SF5	1.5X	187	8
2008	JUN	24	1236	6.90	18</													

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMS	MAG	GAP	DS
2008	JUN	25	2141	51.71	19	20.82	155	13.92	30.15	34	8	.11	.9	.9	DEP	1.7X	63	4
2008	JUN	25	2321	5.23	19	19.58	155	11.79	6.45	40	8	.09	.4	.6	SF3	1.3X	91	6
2008	JUN	26	0051	41.56	19	12.75	155	34.51	6.00	4711	.15	.4	.9	LSWF	3.0X	85	9	
2008	JUN	26	0656	34.83	19	20.20	155	7.77	9.09	41	9	.12	.4	.4	SF4	2.0X	124	5
2008	JUN	26	0843	13.23	19	12.44	156	21.78	37.62	27	5	.13	1.9	3.0	DIS	2.1X	310	52
2008	JUN	26	0927	33.29	19	22.18	155	30.33	10.63	4911	.10	.3	.6	KAO	2.2X	32	5	
2008	JUN	26	1241	32.68	19	25.74	155	26.85	10.46	4410	.12	.4	.6	KAO	2.3X	52	6	
2008	JUN	26	1403	34.29	19	25.64	155	26.21	6.33	22	6	.15	.4	1.9	KAO	1.5X	58	6
2008	JUN	26	1436	32.50	18	50.03	155	9.75	29.30	4912	.12	1.0	2.7	LOI	2.6X	268	48	
2008	JUN	26	1530	12.26	19	26.87	155	52.31	12.71	22	3	.11	1.0	.4	KON	1.8X	134	7
2008	JUN	26	1836	45.45	19	57.48	155	16.17	5.51	23	3	.13	1.3	1.0	KEA	1.6X	282	45
2008	JUN	26	1852	9.83	19	53.77	155	19.28	9.89	19	1	.09	1.0	.4	KEA	2.0X	231	2
2008	JUN	27	0251	4.35	19	11.63	155	19.90	45.56	30	6	.09	.9	1.2	DEP	1.4X	192	9
2008	JUN	27	0746	3.40	19	14.86	155	15.96	26.61	33	6	.09	.9	1.1	DEP	1.7X	174	6
2008	JUN	27	1247	13.55	19	30.10	155	27.28	7.67	40	7	.11	.3	.9	MLO	2.0X	48	4
2008	JUN	27	1450	17.23	19	33.39	155	41.18	12.59	24	6	.11	.5	.6	MLO	1.4X	122	10
2008	JUN	28	0259	10.81	19	20.10	155	12.83	8.48	35	8	.07	.4	.5	SF2	1.2X	72	5
2008	JUN	28	0625	8.91	19	22.18	155	30.11	10.52	22	3	.09	.4	1.0	KAO	1.2X	49	4
2008	JUN	28	0956	14.13	19	23.02	155	2.28	6.66	31	7	.14	.6	1.1	SF5	1.4X	166	5
2008	JUN	28	1852	33.11	19	16.08	155	29.06	9.46	37	8	.12	.4	.8	LSW	1.3X	60	3
2008	JUN	28	1906	8.04	19	19.98	155	6.91	9.69	36	7	.09	.4	.4	SF4	1.6X	145	5
2008	JUN	29	0634	13.20	20	20.93	156	22.00	21.39	48	8	.13	1.4	5.1	DISF	3.3X	315	66
2008	JUN	29	0832	48.60	19	26.61	155	29.30	9.31	4210	.10	.3	.8	KAO	1.6X	43	8	
2008	JUN	29	0916	40.40	19	28.57	154	49.96	3.64	28	7	.16	1.4	1.7	SLE	1.6X	299	9
2008	JUN	29	1052	3.50	19	18.35	155	13.01	8.19	36	8	.11	.4	.7	SF2	1.3X	98	3
2008	JUN	29	1056	16.15	19	23.71	155	15.35	45.40	3910	.09	.7	.7	DEPL	2.1X	70	2	
2008	JUN	29	1058	43.57	19	29.42	155	38.23	16.22	23	6	.10	.9	.6	DML	2.0X	197	4
2008	JUN	29	1748	51.90	19	40.96	156	6.49	7.28	44	9	.15	1.1	.7	HUAF	2.7X	276	29
2008	JUN	29	1806	54.50	19	45.88	156	8.18	2.79	24	5	.13	1.5	1.0	HUA	1.9X	287	32
2008	JUN	29	1816	40.55	19	43.86	156	5.54	1.22	21	4	.08	1.7	.7	HUA	1.6X	277	27
2008	JUN	29	1857	1.37	19	47.11	156	8.50	6.27	24	3	.12	1.6	.7	HUA	1.8X	287	34
2008	JUN	29	2149	11.63	19	23.58	156	30.47	37.48	42	7	.11	1.4	2.3	DIS	2.3X	286	63
2008	JUN	30	0152	41.62	19	19.11	155	29.35	10.58	38	7	.09	.4	.7	KAO	1.4X	47	7
2008	JUN	30	0343	58.50	19	12.24	155	31.69	36.42	26	5	.10	.9	1.6	DLS	1.2X	131	6
2008	JUN	30	0503	28.49	19	20.69	155	11.31	8.86	5012	.10	.3	.4	SF3	2.0X	74	4	
2008	JUN	30	0536	42.85	19	22.85	155	27.34	4.59	23	5	.10	.3	.6	KAO	1.0X	74	1
2008	JUN	30	0625	10.24	19	45.96	155	23.92	20.81	19	5	.09	.9	1.8	KEA	1.3X	133	15
2008	JUN	30	0841	29.48	19	16.85	155	34.02	6.97	5112	.14	.3	.7	LSWF	2.5X	58	8	
2008	JUN	30	1355	47.35	19	49.85	156	13.75	4.50	34	6	.10	1.3	.8	HUA	2.5X	266	44
2008	JUN	30	1415	42.88	19	47.46	156	8.26	9.60	22	5	.07	.9	.8	HUA	1.7X	287	50
2008	JUN	30	1811	8.00	19	7.86	155	30.75	11.68	26	5	.14	.7	.5	LSW	1.6X	210	6
2008	JUN	30	2006	31.09	19	18.84	155	9.31	10.25	39	8	.11	.5	.5	SF3	1.7X	107	4
2008	JUL	1	0520	0.14	19	24.99	155	38.82	3.43	17	2	.06	.5	.5	MLO	1.1X	112	2
2008	JUL	1	0556	8.79	19	17.79	155	13.74	5.07	26	2	.10	.4	1.2	SF2	1.6X	78	2
2008	JUL	1	1354	44.06	19	28.92	154	52.53	1.03	38	7	.12	1.0	.4	SLEF	2.1X	265	5

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMS	MAG	GAP	DS
2008	JUL	1	1511	11.45	19	13.62	156	18.18	32.04	32	1	.12	4.4	2.5	KON	2.2X	276	46
2008	JUL	1	1524	57.05	19	9.33	155	25.88	36.43	32	5	.10	.7	1.2	DLS	1.8X	169	4
2008	JUL	2	0057	28.13	19	20.12	155	8.16	8.76	42	7	.11	.5	.4	SF4	2.6X	115	5
2008	JUL	2	0121	48.60	19	22.04	155	0.62	2.01	24	1	.13	1.0	2.3	SSF	1.6X	194	7
2008	JUL	2	0234	43.28	19	24.19	154	58.69	4.07	22	2	.14	1.0	.8	SLE	1.5X	189	2
2008	JUL	2	0823	34.73	20	54.59	154	52.88	18.87	18	2	.11	2.712	1	DIS	2.8X	321123	
2008	JUL	2	1148	58.28	19	26.11	155	29.37	10.99	31	3	.08	.3	.7	KAO	1.7X	41	7
2008	JUL	2	1940	32.14	19	25.23	155	15.72	48.85	34	4	.09	1.0	1.2	DEP	2.1X	130	3
2008	JUL	2	2230	7.06	19	20.22	155	7.25	6.19	30	3	.12	.5	.9	SF4	1.5X	136	5
2008	JUL	2	2338	22.71	19	23.41	155	16.91	2.79	16	4	.10	.4	.3	SSC	1.4X	48	0
2008	JUL	3	0057	48.52	19	56.59	155	35.64	26.16	42	4	.10	.7	1.6	KOH	2.2X	145	12
2008	JUL	3	0139	57.82	19	24.44	155	17.02	2.02	12	2	.08	.4	.3	SSC	1.5X	113	1
2008	JUL	3	1037	44.30	19	21.39	155	1.85	6.32	33	3	.12	.7	.6	SF5	2.1X	191	7
2008	JUL	3	1409	21.87	19	26.59	155	29.53	10.91	21	3	.07	.4	1.2	KAO	1.6X	68	7
2008	JUL	3	2154	43.19	19	29.24	155	26.01	5.31	14	2	.15	.5	2.4	KAO	1.5X	99	5
2008	JUL	3	2205	51.91	19	22.09	155	54.82	13.73	13		.09	1.3	.6	KON	1.0X	200	12
2008	JUL	4	0057	35.39	19	21.35	155	27.71	10.18	11	1	.07	.5	.5	KAO	1.3U	57	2
2008	JUL	4	0128	16.13	19	28.53	155	26.00	8.60	16	3	.13	.5	1.5	KAO	1.2U	83	5
2008	JUL	4	0514	9.68	19	25.65	155	25.54	4.04	18	1	.11	.4	2.9	KAO	2.0U	64	7
2008	JUL	4	0718	53.42	19	27.15	155	28.17	9.78	15	2	.12	.6	1.5	KAO	1.3U	68	9
2008	JUL	4	0803	13.32	19	21.97	155	2.26	7.44	10	1	.07	1.3	2.4	SF5	1.4U	180	6
2008	JUL	4	0920	56.57	19	22.23	155	8.95	3.35	9		.07	.6	.6	SER	1.3U	112	2
2008	JUL	4	1342	43.16	19	18.31	155	31.98	4.18	10	1	.13	.5	4.4	LSW	1.5U	113	7
2008	JUL	4	1634	1.50	19	22.65	155	14.15	3.35	10	1	.04	.4	.5	SEC	1.8U	92	2
2008	JUL	4	1951	58.12	19	20.19	155	6.88	7.00	14		.07	.6	1.5	SF4	1.5U	143	6
2008	JUL	5	0607	7.02	19	26.48	155	29.99	12.35	15	2	.10	.5	1.4	KAO	1.4U	87	6
2008	JUL	5	1150	12.84	19	22.25	155	27.24	8.65	17	1	.14	.7	1.0	KAO	1.7U	76	1
2008	JUL	5	1202	26.90	19	7.72	155	22.28	48.98	18	3	.12	1.2	1.4	LOI	1.8U	189	10
2008	JUL	5	2244	56.23	19	25.65	155	37.97	3.30	12	3	.08	1.0	.5	MLO	2.0U	182	2
2008	JUL	6	0203	8.31	19	17.94	155	16.46	7.17	22		.10	.4	.7	SF1	1.9U	126	4
2008	JUL	6	0354	36.49	18	56.64	155	30.22	35.21	18	5	.08	1.0	1.9	DLS	1.5U	247	18
2008	JUL	6	0759	31.05	19	28.91	155	31.59	12.61	21	7	.11	.4	.5	KAO	1.7U	96	6
2008	JUL	6	1453	35.86	18	44.95	155	10.3										

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	JUL	8	0006	40.54	19	24.22	155	16.94	1.37	14	2	.07	.3	.2	SSCFB	3.1U	106	1
2008	JUL	8	0038	11.70	19	23.57	155	17.52	0.39	13	2	.09	.3	.3	SSCFB	3.0U	147	1
2008	JUL	8	0301	38.80	19	24.22	155	16.05	0.86	6	1	.03	.3	.4	SECB		152	1
2008	JUL	8	0507	0.33	19	24.46	155	25.10	8.79	26	1	.10	.4	1.2	KAO	1.5X	65	6
2008	JUL	8	0736	59.57	20	6.47	155	23.78	19.40	37	5	.12	1.2	4.0	KEAF	2.7X	225	25
2008	JUL	8	0812	19.47	19	56.24	155	57.79	48.31	32	8	.10	1.0	1.2	KOH	1.8X	228	29
2008	JUL	8	0914	31.57	19	23.81	155	16.07	2.59	10	3	.10	.4	.5	SECL	1.1X	104	1
2008	JUL	8	2043	6.81	19	26.56	155	29.14	12.16	15	1	.10	.6	1.6	KAO	1.2X	67	7
2008	JUL	8	2114	42.38	19	32.49	155	41.93	4.84	17	1	.12	.8	6.3	MLO	1.1X	176	8
2008	JUL	8	2209	42.78	19	29.29	155	52.40	4.59	26		.12	.6	1.3	KONF	1.6X	118	5
2008	JUL	9	0010	32.13	19	30.87	155	26.76	5.99	17	3	.14	.5	1.2	MLO	1.6U	109	3
2008	JUL	9	0054	23.91	19	27.51	155	22.36	25.98	39	3	.11	.5	.9	DML	1.8X	86	5
2008	JUL	9	0314	36.65	19	13.33	155	3.59	46.01	31	2	.09	1.5	1.5	DEP	2.0X	232	11
2008	JUL	9	1940	3.09	19	27.17	155	26.04	1.75	17	3	.11	.4	1.2	KAO	1.0X	61	7
2008	JUL	10	0348	15.92	19	20.56	155	13.27	6.65	24	1	.11	.6	.8	SF2	1.3X	117	4
2008	JUL	10	0459	25.82	19	20.03	155	12.32	5.15	25	1	.10	.5	1.5	SF2	1.5X	78	5
2008	JUL	10	0905	44.86	19	47.63	156	9.60	7.98	15	2	.14	2.4	1.6	HUA	2.1X	274	52
2008	JUL	10	1109	11.79	19	18.36	155	13.21	3.85	27	1	.11	.4	1.1	SSF	1.8X	90	3
2008	JUL	10	1654	27.23	19	17.95	155	12.90	4.27	22	2	.11	.5	.9	SSF	1.6X	114	2
2008	JUL	11	0211	12.96	19	8.71	156	14.60	49.48	15	1	.17	4.2	2.8	KON	1.5X	289	41
2008	JUL	11	1414	49.66	19	49.29	155	41.44	13.00	17	4	.13	1.5	.8	KEA	1.1X	305	32
2008	JUL	11	1802	59.58	19	6.82	155	28.03	31.67	33	6	.10	.7	1.5	DLS	1.6X	175	5
2008	JUL	11	1823	44.06	19	20.95	155	19.11	30.22	27	6	.09	.9	1.1	DEP	1.6X	47	5
2008	JUL	11	2013	6.11	19	38.24	155	48.83	14.76	29	6	.11	.7	.4	KON	1.6X	121	6
2008	JUL	12	0442	38.87	19	9.17	155	33.61	38.22	26	5	.11	.8	1.7	DLS	1.2X	126	10
2008	JUL	12	0625	7.38	19	28.79	155	24.93	5.66	20	5	.12	.4	1.4	KAO	1.3X	83	3
2008	JUL	12	1008	27.43	19	24.22	155	17.03	1.57	34	7	.10	.3	.2	SSCL	2.1X	44	1
2008	JUL	12	1521	31.26	19	21.70	155	18.90	31.43	4910	.11	.6	.9	DEP	2.5X	38	4	
2008	JUL	12	1550	32.17	19	21.72	155	19.03	31.06	5212	.12	.5	.7	DEP	3.0X	39	4	
2008	JUL	12	1629	24.99	19	28.67	155	34.82	56.25	20	4	.12	1.6	1.6	DMLL	1.3X	95	1
2008	JUL	12	2141	13.96	19	27.47	155	25.93	4.71	18	4	.11	.4	4.0	KAO	1.3X	64	6
2008	JUL	12	2149	10.19	19	20.22	155	7.37	8.07	29	5	.07	.5	.7	SF4	1.2X	134	5
2008	JUL	12	2317	19.88	19	21.40	155	16.62	24.27	27	5	.10	.8	1.2	DEP	1.4X	64	2
2008	JUL	12	2335	12.67	19	26.86	155	28.67	10.68	32	6	.10	.3	.8	KAO	1.3X	68	8
2008	JUL	13	0845	37.81	19	27.14	155	35.87	44.57	40	7	.13	.8	1.1	DMLL	2.6X	62	1
2008	JUL	13	1149	22.75	19	21.78	155	18.98	30.25	4711	.12	.6	.6	.8	DEP	2.3X	38	4
2008	JUL	13	1747	41.83	19	23.17	155	14.07	39.68	29	6	.11	.9	.9	DEPL	2.0X	93	2
2008	JUL	13	1852	59.80	19	16.89	155	29.15	10.84	27	5	.13	.5	1.2	LSW	1.4X	60	4
2008	JUL	13	2128	33.12	19	21.50	155	19.09	30.35	4910	.12	.6	.6	.8	DEP	2.2X	42	4
2008	JUL	14	0441	26.54	19	24.09	155	16.56	1.89	17	4	.10	.3	.2	SSCL	1.8X	111	0
2008	JUL	14	0802	14.50	19	21.60	155	4.15	6.69	28	5	.14	.7	1.0	SF5	1.5X	166	5
2008	JUL	14	0824	9.72	19	16.70	155	25.58	7.95	36	4	.14	.4	.8	LSW	1.4X	59	5
2008	JUL	14	1707	48.34	19	29.68	155	26.10	8.71	18	4	.11	.4	1.2	KAO	1.0X	110	5
2008	JUL	14	2304	14.92	19	26.90	155	28.92	9.79	37	8	.11	.3	.8	KAO	1.4X	45	8
2008	JUL	15	0103	35.56	19	23.68	155	29.35	9.62	25	3	.08	.4	.9	KAO	1.6X	48	4

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	JUL	15	0503	46.13	19	19.28	155	11.59	7.51	33	7	.09	.4	.9	SF3	1.4X	100	5
2008	JUL	15	0715	31.97	19	19.89	155	8.29	8.77	40	9	.08	.4	.4	SF4	1.9X	114	5
2008	JUL	15	0726	16.45	19	12.62	155	25.04	12.32	20	2	.12	.7	1.0	LSW	1.0X	153	4
2008	JUL	15	0919	1.70	19	34.14	156	22.21	8.75	25	6	.14	6.8	9.3	DIS	1.8X	300	57
2008	JUL	15	1542	42.59	19	19.37	155	9.50	8.41	4611	.11	.4	.5	SF3	2.2X	96	5	
2008	JUL	15	1736	16.12	19	16.73	155	23.70	37.04	32	8	.09	.8	1.3	DEP	1.5X	100	4
2008	JUL	15	1916	39.32	19	10.88	155	41.08	11.78	28	4	.08	.4	.6	LSW	1.5X	80	9
2008	JUL	15	2215	23.10	19	30.88	155	53.33	45.91	16	3	.12	1.2	2.3	KON	1.4X	148	4
2008	JUL	15	2241	17.75	19	36.94	156	27.48	29.71	47	8	.15	1.4	2.9	DIS	2.5X	281	58
2008	JUL	16	0434	33.72	19	24.68	155	37.68	3.38	30	6	.15	.4	.5	MLO	2.2X	71	1
2008	JUL	16	0712	28.33	19	24.97	155	38.37	3.39	17	4	.09	.4	.5	MLO	1.2X	104	2
2008	JUL	16	0713	16.71	19	24.73	155	38.28	3.66	15	4	.07	.6	.4	MLO	.9X	178	1
2008	JUL	16	1706	36.97	19	21.08	155	7.40	7.88	38	8	.09	.5	.6	SF4	1.6X	125	4
2008	JUL	17	0227	36.39	19	20.97	155	13.14	8.23	38	8	.07	.3	.5	SF2	1.2X	59	3
2008	JUL	17	0307	17.64	19	11.84	155	30.92	35.61	23	3	.09	.8	1.6	DLS	1.4X	87	6
2008	JUL	17	0810	40.30	19	24.73	155	25.04	9.24	23	5	.09	.4	1.1	KAO	1.4X	66	6
2008	JUL	17	1100	51.14	19	48.51	155	53.60	36.16	30	5	.09	1.1	1.4	HUA	1.9X	259	15
2008	JUL	17	1405	34.09	19	20.75	155	13.11	8.82	4610	.11	.4	.5	SF2	2.0X	62	3	
2008	JUL	17	1557	37.23	19	1.75	155	1.14	40.01	35	6	.11	1.4	2.2	LOI	2.0X	269	31
2008	JUL	17	1615	15.35	19	1.61	155	27.98	39.20	21	3	.07	1.5	2.0	DLS	1.5X	280	15
2008	JUL	17	2248	27.76	19	41.46	155	18.94	41.79	35	6	.09	.7	1.3	KEA	1.6X	94	20
2008	JUL	18	1204	7.70	19	18.82	155	14.49	7.43	32	6	.12	.5	.8	SF2	1.5X	83	4
2008	JUL	18	1926	56.83	19	14.13	155	24.71	33.71	31	8	.11	.8	1.3	DEP	1.4X	141	1
2008	JUL	18	2118	56.32	19	57.09	155	20.46	11.76	18	3	.11	1.2	.5	KEA	1.3X	281	7
2008	JUL	19	0150	11.80	19	19.97	155	11.84	9.36	42	9	.09	.4	.5	SF3	1.8X	83	5
2008	JUL	19	0243	32.07	19	12.49	155	16.64	44.47	41	7	.12	.9	1.2	DEP	1.7X	196	10
2008	JUL	19	0429	11.31	19	11.79	155	24.82	36.32	46	8	.10	.7	1.0	DEP	1.7X	159	5
2008	JUL	19	0441	54.03	19	28.36	155	27.15	9.04	21	5	.12	.4	1.3	KAO	1.2X	75	7
2008	JUL	19	0754	9.96	19	28.56	155	26.55	8.72	27	6	.12	.4	1.1	KAO	1.5X	68	6
2008	JUL	19	0933	24.80	19	20.33	155	6.72	8.72	4511	.09	.3	.3	SF4	2.3X	145	6	
2008	JUL	19	1124	3.03	19	23.56	155	17.67	3.40	15	4	.12	.5	.4	SSCB	2.5X	87	1
2008	JUL	19	1256	33.39	19	27.06	155	29.87	11.92	24	5	.08	.4	1.0	KAO	1.4X	73	7
2008	JUL	19	1726	7.08	19	19.86	155	7.60	8.77</									

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUL	22	0849	20.77	19	21.46	155	16.01	1.80	19	4	.07	.3	.4	KOA	1.9X	65	2
2008	JUL	22	1030	58.47	19	19.83	155	11.86	8.34	3912	.07	.4	.5	SF3	1.7X	86	6	
2008	JUL	22	1048	34.89	19	19.92	155	13.48	6.32	33	8	.12	.4	1.0	SF2	1.5X	63	5
2008	JUL	22	1327	23.22	19	26.33	155	22.95	9.04	15	5	.08	.5	1.4	KAO	1.2X	105	6
2008	JUL	22	2228	21.64	19	26.39	155	28.07	10.58	39	8	.12	.4	.8	KAO	1.5X	63	7
2008	JUL	23	0209	50.07	19	11.26	155	41.05	11.15	31	4	.13	.5	.8	LSW	1.5X	150	9
2008	JUL	23	0620	36.13	19	12.20	155	30.89	42.82	32	8	.08	.9	1.3	DLS	1.6X	186	5
2008	JUL	23	0829	4.01	19	22.51	155	14.23	3.18	32	8	.10	.3	.3	SEC	2.0X	80	2
2008	JUL	23	1725	0.64	19	25.04	155	1.45	5.38	29	5	.10	.7	1.2	SF5	1.5X	133	5
2008	JUL	23	1756	51.98	19	50.38	155	50.31	23.67	35	7	.12	.8	1.6	HUA	1.8X	250	17
2008	JUL	23	1928	20.57	19	14.85	155	19.80	31.00	49	9	.10	.6	.9	DEP	2.3X	154	6
2008	JUL	23	1935	3.93	19	12.75	155	30.92	42.79	19	3	.05	1.0	1.9	DLS	1.5X	75	5
2008	JUL	23	2006	25.34	20	7.30	155	54.25	25.91	44	4	.10	1.7	1.2	KOHF	2.6X	264	13
2008	JUL	23	2011	43.23	19	28.82	155	23.31	10.14	19	5	.12	.6	1.2	KAO	1.4X	122	2
2008	JUL	23	2155	59.25	20	7.55	155	53.86	12.47	28	5	.10	1.4	.7	KOH	1.6X	296	39
2008	JUL	23	2352	5.75	19	55.49	156	18.89	30.59	40	2	.11	2.3	2.2	KOHF	2.7X	281	56
2008	JUL	24	0318	49.58	19	10.72	155	28.33	6.75	42	6	.15	.5	.8	LSW	1.9X	89	2
2008	JUL	24	0529	59.66	19	21.80	155	4.82	7.47	37	7	.12	.5	.8	SF5	1.6X	154	5
2008	JUL	24	1029	37.03	19	13.38	155	31.04	42.24	43	8	.09	.6	1.2	DLS	2.1X	70	4
2008	JUL	24	1055	42.42	19	22.71	155	24.96	10.22	4610	.11	.4	.5	KAO	2.3X	36	5	
2008	JUL	24	1205	48.23	19	20.53	155	11.03	7.68	4210	.11	.4	.6	SF3	2.1X	77	4	
2008	JUL	24	2234	40.99	19	30.14	155	28.63	5.92	40	8	.12	.3	1.3	MLO	1.5X	67	4
2008	JUL	25	0025	50.48	19	20.49	155	11.77	8.07	4611	.11	.4	.4	SF3	1.8X	75	5	
2008	JUL	25	0133	42.01	19	30.61	155	42.87	7.76	25	5	.13	.6	1.2	MLO	1.6X	99	5
2008	JUL	25	0157	39.23	19	20.42	155	10.35	7.87	43	9	.11	.4	.5	SF3	1.8X	79	4
2008	JUL	25	0219	41.52	19	36.58	156	1.41	33.72	23	5	.10	1.4	1.5	KON	1.5X	268	17
2008	JUL	25	0301	1.95	19	54.19	156	0.85	39.45	21	4	.12	1.7	2.3	HUA	1.6X	290	30
2008	JUL	25	0322	54.75	19	50.68	155	43.65	13.36	29	5	.15	1.0	.4	HUA	1.4X	222	7
2008	JUL	25	0323	33.35	19	52.45	155	45.21	13.71	19	4	.15	1.5	.6	HUA	1.4X	243	10
2008	JUL	25	0422	28.20	19	18.15	155	14.46	5.98	36	6	.13	.5	.9	SF2	1.5X	96	3
2008	JUL	25	0634	33.53	19	4.97	155	8.18	36.24	32	8	.11	1.1	1.7	LOI	1.6X	256	24
2008	JUL	25	1114	55.93	19	42.04	155	40.97	13.84	30	6	.13	.5	.5	KEA	1.7X	102	16
2008	JUL	25	1511	47.75	19	25.63	155	37.54	2.30	17	4	.08	.3	.4	MLO	1.5X	111	2
2008	JUL	25	1536	49.09	19	19.79	155	8.59	9.85	30	6	.12	.6	.6	SF4	1.5X	108	5
2008	JUL	25	1644	54.47	19	30.32	155	26.37	11.44	18	4	.12	.5	1.1	MLO	1.2X	103	4
2008	JUL	25	1841	44.02	19	45.83	156	23.21	1.33	21	3	.11	5.0	1.6	DIS	1.9X	323	58
2008	JUL	25	2040	26.06	19	37.69	155	50.05	15.23	31	6	.14	.8	.6	KON	1.8X	146	7
2008	JUL	25	2230	5.86	19	28.06	155	23.74	9.53	41	7	.13	.4	.7	KAO	1.6X	42	3
2008	JUL	25	2242	8.86	20	4.23	155	19.58	10.40	39	8	.14	1.1	.8	KEA	2.1X	224	20
2008	JUL	26	0055	56.25	19	24.30	155	16.88	1.64	35	8	.11	.3	.2	SSCF	2.2X	86	1
2008	JUL	26	0234	13.52	19	23.92	155	15.89	2.02	17	4	.14	.3	.3	SECL	1.6X	109	1
2008	JUL	26	0430	4.15	19	21.36	155	30.16	10.48	26	5	.12	.4	1.0	KAO	1.1X	52	5
2008	JUL	26	1053	14.76	19	17.88	155	2.66	45.12	40	7	.11	.9	1.0	DEP	2.1X	215	9
2008	JUL	26	1151	21.44	19	25.65	155	28.86	4.81	17	4	.09	.4	3.3	KAO	1.2X	62	6
2008	JUL	26	1411	43.66	19	28.65	155	26.57	2.81	25	6	.11	.3	1.0	KAO	1.4X	86	6

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	JUL	26	1505	19.02	19	29.15	155	27.99	8.71	20	5	.09	.4	1.3	KAO	1.1X	80	5
2008	JUL	26	2010	56.99	19	29.77	155	28.45	6.61	16	4	.08	.4	1.8	KAO	1.1X	88	4
2008	JUL	26	2047	42.47	19	29.82	155	23.45	2.60	15	4	.09	.7	.2	KAO	1.5X	138	0
2008	JUL	26	2152	26.99	19	29.05	155	23.69	1.73	18	5	.13	.6	.5	KAO	.9X	96	2
2008	JUL	26	2319	34.80	19	31.52	155	40.41	8.39	24	5	.13	.6	1.4	MLO	1.2X	165	9
2008	JUL	26	2336	3.89	18	53.57	155	11.61	53.56	45	9	.10	1.1	1.7	LOI	2.4X	258	41
2008	JUL	27	0540	59.54	19	23.89	155	50.58	14.78	29	5	.11	.7	.4	KON	1.7X	130	13
2008	JUL	27	0559	5.31	19	21.38	155	15.71	0.70	38	8	.12	.2	.3	KOA	2.2X	67	2
2008	JUL	27	1526	8.73	19	26.03	155	18.71	7.31	17	5	.07	.5	1.0	INT	1.4X	163	2
2008	JUL	27	1609	27.93	19	21.08	155	30.03	8.47	43	9	.12	.3	.7	KAO	1.8X	51	5
2008	JUL	27	1751	46.96	19	28.49	155	27.07	2.30	20	5	.11	.3	.8	KAO	1.3X	78	7
2008	JUL	27	2013	32.84	19	17.69	155	19.01	18.01	42	9	.11	.5	.8	DEP	2.1X	129	1
2008	JUL	27	2135	5.64	19	21.24	155	15.94	2.39	36	8	.12	.2	.4	KOA	1.9X	68	2
2008	JUL	28	0159	55.57	19	20.57	155	12.91	8.05	4811	.11	.11	.4	.4	SF2	2.3X	65	4
2008	JUL	28	1220	57.80	19	21.91	155	50.31	12.81	42	8	.12	.5	.3	KONF	2.5X	131	11
2008	JUL	28	1343	22.66	19	21.38	155	29.04	11.44	20	4	.13	.6	1.1	KAO	1.3X	83	3
2008	JUL	28	1615	32.16	19	21.39	155	0.56	9.93	15	2	.08	1.2	1.7	SF5	1.7X	202	8
2008	JUL	29	0045	12.36	19	48.49	155	24.47	17.76	36	8	.10	.6	1.5	KEA	1.6X	142	6
2008	JUL	29	0615	59.61	19	27.06	155	28.54	10.29	41	8	.10	.3	.8	KAO	1.7X	46	9
2008	JUL	29	0701	44.07	19	26.09	155	30.48	10.82	29	7	.09	.3	.9	KAO	1.7X	65	8
2008	JUL	29	0835	36.13	19	55.02	155	19.95	36.47	19	4	.09	1.2	1.7	KEA	1.5X	278	3
2008	JUL	29	1919	12.85	19	27.33	155	26.22	4.28	28	5	.11	.3	3.1	KAO	1.4X	61	7
2008	JUL	30	1027	30.95	19	34.03	155	37.78	8.47	21	6	.10	.6	1.5	MLO	1.2X	132	9
2008	JUL	30	1250	36.49	19	12.37	155	15.82	45.67	42	8	.11	.9	1.1	DEP	2.2X	185	10
2008	JUL	30	1515	40.73	19	29.69	155	21.79	14.14	25	5	.10	.5	.8	DML	1.6X	161	3
2008	JUL	30	1559	49.41	19	26.73	155	17.93	12.24	26	5	.11	.6	.9	INT	1.5X	147	3
2008	JUL	30	1647	23.16	19	20.05	156	3.45	43.11	43	8	.11	1.0	1.2	KON	2.5X	257	21
2008	JUL	30	1845	15.93	21	1.63	155	8.81	6.77	27	4	.12	8.911	3	DIS	2.5X	325128	
2008	JUL	31	0020	20.83	19	15.89	155	25.30	38.27	28	5	.11	.7	1.4	DLS	1.4X	59	4
2008	JUL	31	0321	45.79	19	19.69	155	8.77	8.18	35	6	.09	.4	.6	SF4	1.2X	103	5
2008	JUL	31	2048	16.54	19	20.21	155	13.18	7.10	46	9	.11	.4	.5	SF2	1.6X	66	4
2008	JUL	31	2218	28.73	19	24.45	155	38.03	3.00	16	5	.11	.4	.3	MLO	.9X	102	0
2008	AUG	1	0125	4.76	20	25.24	156	5.24	14.37	5413	.12	1.0	1.9	DISF	3.2X	161	37	
2008	AUG	1	0419	36.44	19													

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	AUG	2	2220	56.48	19	16.99	155	3.09	43.97	32	6	.09	1.1	1.1	DEP	1.5X	228	9
2008	AUG	2	2254	0.85	19	20.99	155	30.47	8.33	29	4	.13	.5	1.2	KAO	1.2X	56	6
2008	AUG	3	0000	31.75	19	23.87	155	16.52	1.26	18	5	.11	.3	.2	SSCB	1.4X	101	0
2008	AUG	3	0525	49.87	19	29.21	155	26.96	11.06	20	4	.12	.5	1.0	KAO	1.3X	81	5
2008	AUG	3	0749	20.91	19	19.93	155	12.06	7.36	45	11	.14	.4	.6	SF3	1.8X	82	5
2008	AUG	3	1008	1.62	19	57.38	155	40.32	20.39	26	5	.11	.9	1.8	KOH	1.3X	138	11
2008	AUG	3	1441	45.16	19	32.20	155	37.14	9.63	41	9	.14	.5	.7	MLO	2.0X	85	6
2008	AUG	3	1442	15.49	19	33.56	155	37.43	8.48	26	6	.15	.8	1.4	MLO	1.2X	180	8
2008	AUG	3	1455	13.68	19	22.89	155	1.27	10.07	25	6	.09	.6	.6	SF5	1.1X	178	6
2008	AUG	3	2356	16.98	19	10.96	155	33.42	6.06	48	10	.13	.4	.8	LSW	2.5X	104	10
2008	AUG	4	0134	29.87	19	27.30	155	27.63	11.45	18	5	.12	.5	1.4	KAO	1.1X	67	9
2008	AUG	4	0539	42.92	20	11.87	155	7.42	9.11	39	9	.13	1.0	1.1	KEA	2.2X	288	41
2008	AUG	4	0720	54.33	20	11.88	155	7.70	4.47	45	10	.11	1.1	1.0	KEAF	2.8X	292	56
2008	AUG	4	1543	49.14	19	18.81	155	13.72	7.78	36	7	.10	.4	.8	SF2	1.7X	68	3
2008	AUG	4	1822	1.06	19	24.85	155	37.13	2.49	17	4	.14	.4	.4	MLO	1.3X	88	1
2008	AUG	5	0536	44.50	19	24.04	155	16.51	2.10	16	4	.13	.4	.2	SSCB	1.4X	109	0
2008	AUG	5	0557	51.06	19	19.20	155	26.54	10.39	45	9	.12	.3	.6	KAO	1.5X	54	6
2008	AUG	5	0722	7.36	19	10.65	155	9.10	48.85	45	8	.11	1.0	1.2	DEP	2.3X	212	13
2008	AUG	5	1606	12.67	19	0.27	155	27.48	35.14	36	7	.08	1.0	1.6	DLS	2.3X	251	17
2008	AUG	5	1608	53.63	18	58.27	155	27.51	35.04	33	6	.12	1.2	1.7	DLS	2.1X	230	21
2008	AUG	5	1751	17.95	19	24.50	155	17.10	2.01	20	5	.10	.3	.3	SSCL	1.6X	113	1
2008	AUG	5	1942	55.38	19	22.36	155	26.58	11.10	44	10	.11	.4	.5	KAO	1.8X	39	2
2008	AUG	5	2004	24.43	19	24.41	155	17.12	1.55	19	6	.07	.3	.2	SSCL	1.6X	108	1
2008	AUG	6	0335	1.75	19	33.96	156	2.25	37.20	23	5	.11	1.2	1.6	KON	1.7X	258	15
2008	AUG	6	0420	51.19	19	5.23	155	30.41	50.03	32	3	.11	1.1	1.5	DLST	2.5X	226	9
2008	AUG	6	1404	56.52	19	24.24	155	16.95	1.75	34	8	.08	.2	.2	SSC	2.2X	85	1
2008	AUG	6	1520	56.84	18	58.19	155	28.25	42.51	30	6	.09	1.1	1.5	DLS	1.9X	228	21
2008	AUG	6	2304	49.41	19	18.39	155	27.76	12.00	21	4	.11	.4	1.0	LSW	.9X	43	7
2008	AUG	6	2347	1.89	19	22.05	155	29.84	10.02	45	9	.12	.3	.5	KAO	1.8X	35	4
2008	AUG	7	0043	32.57	19	24.09	155	16.90	2.26	21	5	.12	.4	.3	SSC	1.9X	102	1
2008	AUG	7	0125	1.30	19	25.68	155	13.82	29.77	51	12	.11	.5	.8	DEP	2.4X	50	2
2008	AUG	7	0412	17.66	19	19.97	155	11.91	8.70	44	9	.12	.4	.3	SF3	1.9X	83	5
2008	AUG	7	0420	35.82	19	2.18	155	13.13	24.73	42	6	.11	1.1	1.9	LOI	2.1X	230	27
2008	AUG	7	0506	38.58	19	20.02	155	7.96	6.90	29	8	.10	.4	.9	SF4	1.3X	120	5
2008	AUG	7	0612	34.50	19	57.18	156	6.27	34.65	33	4	.09	1.4	3.1	KOH	2.1X	292	55
2008	AUG	7	0618	41.66	19	13.24	156	8.92	35.10	13		.09	1.0	5.7	KON	1.3X	318	30
2008	AUG	7	0705	32.97	19	36.52	155	24.56	45.99	24	3	.12	1.6	1.6	KEA	1.7X	164	8
2008	AUG	7	0859	25.20	19	11.53	156	21.13	11.53	21	4	.12	8.6	12.1	DIS	1.9X	327	51
2008	AUG	8	0025	17.26	19	21.01	155	16.86	1.79	38	8	.10	.2	.4	KOA	1.9X	68	3
2008	AUG	8	0328	11.13	19	21.96	155	2.54	6.12	35	7	.11	.6	.8	SF5	1.7X	178	6
2008	AUG	8	0742	37.59	19	25.85	155	19.33	7.65	22	6	.07	.5	.8	KAO	1.8X	143	3
2008	AUG	9	0133	44.68	19	22.13	155	8.86	3.00	19	3	.07	.6	.3	SER	1.3X	97	3
2008	AUG	9	0224	51.99	19	25.89	155	28.15	10.60	35	7	.11	.3	.6	KAO	1.6X	57	6
2008	AUG	9	0600	58.01	19	29.87	155	27.57	7.56	39	7	.11	.3	.8	KAO	2.3X	48	4
2008	AUG	9	1215	58.89	19	15.11	156	14.72	29.48	15		.09	7.7	3.4	KON	1.6X	310	39

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	AUG	9	1422	3.29	19	2.18	155	22.60	35.33	41	8	.08	.9	1.3	LOI	2.1X	215	16
2008	AUG	9	1458	21.94	19	9.91	155	40.50	8.48	22	4	.10	.4	2.5	LSW	1.7X	87	10
2008	AUG	9	1505	26.78	19	10.29	155	40.48	8.42	33	6	.12	.4	1.3	LSW	2.3X	85	10
2008	AUG	9	1641	32.38	19	9.10	155	40.59	11.88	25	4	.14	.5	.8	LSW	1.8X	94	9
2008	AUG	9	1733	12.69	19	12.02	155	31.35	8.78	35	9	.13	.5	1.2	LSW	2.0X	155	6
2008	AUG	9	2248	9.67	19	48.24	155	42.76	14.63	51	12	.11	.7	.6	KEAF	2.6X	123	8
2008	AUG	9	2254	42.31	19	50.11	155	43.61	18.17	26	5	.10	1.0	1.8	HUA	1.7X	212	8
2008	AUG	10	0122	42.89	19	17.09	155	11.64	1.39	36	8	.10	.5	.4	SSF	1.4X	159	3
2008	AUG	10	0255	14.19	19	26.42	155	23.43	7.92	26	5	.12	.4	1.2	KAO	1.4X	98	6
2008	AUG	10	1339	1.64	19	22.33	155	30.51	10.12	45	10	.09	.3	.7	KAO	1.9X	33	5
2008	AUG	10	1927	0.18	19	21.94	155	18.93	30.94	47	10	.12	.6	.8	DEP	2.5X	38	4
2008	AUG	10	2033	0.69	19	20.75	155	7.97	9.43	38	8	.09	.4	.5	SF4	1.6X	116	5
2008	AUG	10	2143	32.08	20	12.75	156	16.51	22.62	40	5	.08	1.3	4.3	KOHF	2.4X	315	53
2008	AUG	11	0655	57.44	19	9.71	155	34.17	44.54	42	8	.09	.7	1.2	DLS	2.2X	117	11
2008	AUG	11	0737	18.02	19	20.77	155	16.77	1.73	35	9	.10	.2	.4	KOA	2.0X	73	3
2008	AUG	11	1029	18.51	19	29.73	155	26.15	6.92	18	4	.08	.4	1.2	KAO	1.6X	76	5
2008	AUG	11	2202	51.30	19	1.64	155	32.26	44.26	23	5	.09	1.2	1.9	DLS	1.5X	220	15
2008	AUG	11	2334	49.92	19	28.20	155	27.41	8.30	24	6	.14	.4	1.5	KAO	1.2X	71	7
2008	AUG	12	0306	29.27	19	29.59	155	26.62	6.91	28	5	.11	.3	1.0	KAO	1.3X	73	5
2008	AUG	12	0400	32.26	19	20.98	155	29.53	9.93	29	4	.12	.4	.8	KAO	1.3X	47	4
2008	AUG	12	0738	12.70	19	30.23	155	27.72	6.73	23	6	.12	.4	1.4	MLO	1.4X	94	3
2008	AUG	12	0845	19.31	19	20.93	155	16.93	1.43	17	4	.07	.3	.6	KOAL	1.6X	70	3
2008	AUG	12	0942	24.88	19	25.36	155	27.74	10.86	23	5	.10	.4	1.1	KAO	1.4X	59	5
2008	AUG	12	1010	13.14	19	25.96	155	19.14	8.17	17	5	.10	.6	1.2	KAO	1.3X	147	3
2008	AUG	12	1237	43.85	19	23.68	155	27.52	10.26	47	9	.12	.4	.6	KAO	2.1X	34	2
2008	AUG	12	1238	58.22	19	23.71	155	27.32	9.94	46	9	.11	.3	.6	KAO	1.8X	47	2
2008	AUG	12	1503	21.68	19	29.69	155	27.34	9.44	16	4	.10	.4	1.6	KAO	1.1X	95	4
2008	AUG	12	1838	13.19	19	27.18	154	57.11	40.96	48	10	.10	.7	.8	LER	2.5X	137	3
2008	AUG	13	0101	42.90	21	32.41	158	30.17	20.69	5	1	.10	2.3	13.5	DISF-	3.9X	177	52
2008	AUG	13	0356	16.79	19	21.99	155	25.47	11.00	50	11	.11	.3	.5	KAO	1.6X	38	4
2008	AUG	13	0901	59.21	19	8.01	155	22.94	45.60	28	6	.09	1.1	1.5	LOI	1.8X	232	9
2008	AUG	13	1307	35.20	19	25.36	155	37.77	2.42	20	5	.10	.4	.4	MLO	1.4X	78	2
2008	AUG	13	1523	42.17	19	19.27	155	8.14	8.99	27	5	.09	.5	.8	SF4	1.2X	118	4
2008	AUG	13	2017	51.25	19													

---ORIGIN TIME (HST)--										-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS			
2008	AUG	15	1111	50.88	19	29.80	155	29.58	5.82	16	4	.05	.3	.2	0	KAO	1.5X	97	5				
2008	AUG	15	1145	44.11	19	19.49	155	7.14	7.93	38	9	.10	.4	.6	0	SF4	1.5X	146	4				
2008	AUG	15	2228	43.66	19	21.85	155	28.99	5.98	4610	.12	.3	.8	0	KAO	2.0X	42	3					
2008	AUG	16	0048	19.16	19	19.97	155	7.57	5.74	33	8	.10	.4	.9	0	SF4	1.5X	130	5				
2008	AUG	16	0058	33.78	19	29.91	155	45.76	10.42	28	5	.13	.5	.9	0	KON	1.6X	73	1				
2008	AUG	16	0113	23.18	19	21.19	155	15.49	0.58	27	7	.12	.2	.4	0	KOAL	1.7X	68	2				
2008	AUG	16	0316	31.76	19	13.10	156	25.63	43.26	30	5	.09	1.5	2.6	0	DIS	2.0X	300	59				
2008	AUG	16	0421	46.92	19	23.69	155	16.72	2.64	17	5	.08	.3	.2	0	SSCFL	1.7X	54	0				
2008	AUG	16	0520	9.36	19	11.36	155	41.09	7.31	38	9	.15	.4	1.6	0	LSW	1.9X	78	9				
2008	AUG	16	0559	29.43	19	57.46	155	30.87	41.48	24		.07	3.5	2.7	0	KEA	1.7X	274	39				
2008	AUG	16	0648	13.37	19	18.34	155	30.40	10.20	37	9	.09	.3	.8	0	LSW	1.6X	64	6				
2008	AUG	16	1444	53.08	19	16.54	156	12.84	31.09	17		.1110	5	5.7	0	KON	1.6X	320	36				
2008	AUG	16	1824	36.44	19	18.88	155	13.33	6.95	4110	.08	.3	.6	0	SF2	1.6X	79	3					
2008	AUG	16	2221	50.19	20	9.91	155	28.43	9.30	11		.06	8.8	1.5	0	KEA	1.7X	299	33				
2008	AUG	17	0952	7.63	19	20.78	155	6.42	8.95	33	8	.10	.5	.6	0	SF4	1.4X	144	5				
2008	AUG	17	1729	54.49	19	30.21	155	48.41	11.25	21	4	.14	.9	.8	0	KON	1.3X	169	4				
2008	AUG	17	2142	45.54	19	43.91	156	1.19	30.16	44	8	.10	.9	1.4	0	HUA	2.1X	226	20				
2008	AUG	18	0133	53.20	19	28.63	155	28.17	8.73	42	8	.10	.3	.8	0	KAO	1.8X	58	6				
2008	AUG	18	0633	49.80	19	23.75	155	16.00	1.73	19	5	.13	.3	.2	0	SECB	2.4X	101	1				
2008	AUG	18	0646	4.93	19	23.98	155	16.60	1.62	24	7	.13	.3	.2	0	SSCB	2.0X	72	0				
2008	AUG	18	1643	31.37	19	22.79	155	2.55	6.13	29	7	.12	.6	1.2	0	SF5	1.4X	167	5				
2008	AUG	18	1906	10.26	19	23.05	155	2.40	8.67	26	6	.08	.5	.7	0	SF5	1.3X	164	5				
2008	AUG	18	1918	9.57	19	22.29	155	30.12	10.62	34	6	.10	.4	.7	0	KAO	1.5X	50	4				
2008	AUG	18	2015	18.14	19	26.01	155	18.38	7.79	15	5	.09	.8	1.1	0	INT	1.5X	173	2				
2008	AUG	19	0006	42.62	19	42.52	156	1.45	9.46	27	5	.11	1.1	.7	0	HUA	1.7X	265	27				
2008	AUG	19	0152	25.73	19	47.56	155	23.22	15.97	17	4	.14	1.1	1.7	0	KEA	1.3X	135	12				
2008	AUG	19	0343	31.30	19	24.04	155	16.90	2.47	25	8	.11	.3	.2	0	SSCL	1.7X	101	1				
2008	AUG	19	1310	54.11	19	31.06	155	2.67	39.96	33	7	.09	.9	1.2	0	DEP	1.8X	112	13				
2008	AUG	19	1608	45.73	19	23.95	155	16.90	2.15	19	4	.13	.4	.2	0	SSCB	1.6X	97	1				
2008	AUG	19	1811	28.96	19	31.92	155	54.17	18.63	21	3	.12	2.0	5.4	0	KON	1.4X	266	30				
2008	AUG	19	2126	18.62	19	37.81	155	13.94	5.72	32	7	.14	.5	5.6	0	KEA	1.3X	90	22				
2008	AUG	19	2213	45.09	19	20.89	155	30.00	29.09	4911	.08	.4	.4	.8	0	DML	1.9X	34	5				
2008	AUG	19	2221	45.34	19	19.21	155	15.72	7.68	34	7	.09	.4	.7	0	SF1	1.4X	95	6				
2008	AUG	19	2236	59.40	19	52.71	155	58.43	41.08	29	6	.08	.9	1.4	0	HUA	1.7X	224	25				
2008	AUG	20	0220	36.95	19	28.46	155	26.49	5.13	21	5	.13	.3	2.5	0	KAO	1.3X	68	6				
2008	AUG	20	0650	17.84	19	19.64	155	12.27	8.42	4510	.11	.4	.4	.5	0	SF3	1.8X	85	5				
2008	AUG	20	1144	42.27	19	21.06	155	5.90	8.58	4211	.08	.4	.5	0	SF4	1.8X	149	5					
2008	AUG	20	1251	31.90	19	21.71	155	28.24	4.39	17	2	.09	.4	.7	0	KAO	1.1X	73	2				
2008	AUG	20	1540	4.01	19	24.82	155	16.56	0.03	20	5	.15	.2	.3	0	SNCB#	2.1X	145	2				
2008	AUG	20	1941	37.58	19	23.93	155	17.17	1.62	16	4	.10	.3	.3	0	SSCB	1.6X	89	1				
2008	AUG	20	2136	48.60	19	17.26	155	14.27	6.69	34	7	.10	.5	.9	0	SF2	1.3X	133	1				
2008	AUG	20	2316	2.48	19	37.85	155	21.85	12.84	24	5	.12	.5	.7	0	KEA	1.4X	73	13				
2008	AUG	21	0117	59.60	19	44.01	155	46.64	16.59	19	4	.10	1.1	1.8	0	HUA	1.5X	169	8				
2008	AUG	21	0348	1.63	19	24.36	155	16.85	1.71	23	7	.09	.3	.2	0	SSCB	1.9X	116	1				
2008	AUG	21	0429	9.03	19	57.61	155	49.84	8.44	18	3	.13	1.5	.9	0	KOH	1.6X	276	21				

---ORIGIN TIME (HST)--										-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS			
2008	AUG	21	0553	57.87	19	12.42	155	8.67	46.52	40	9	.11	1.0	.9	0	DEP	1.9X	221	9				
2008	AUG	21	1438	57.91	19	24.90	155	16.82	0.01	16	5	.09	.2	.3	0	SNCB#	1.4X	151	2				
2008	AUG	21	1811	16.90	19	21.34	155	7.99	8.99	39	9	.08	.4	.5	0	SF4	1.8X	113	4				
2008	AUG	21	1928	21.32	19	20.39	155	7.83	8.11	3810	.09	.4	.7	0	SF4	1.8X	122	5					
2008	AUG	21	2127	47.07	19	21.12	155	15.91	2.13	29	8	.12	.2	.4	0	KOA	1.9X	70	2				
2008	AUG	22	0027	30.10	19	19.97	155	7.27	9.06	4611	.08	.4	.3	0	SF4	2.3X	137	5					
2008	AUG	22	0318	51.37	19	29.80	155	26.27	6.45	15	5	.12	.4	1.5	0	KAO	1.3X	112	5				
2008	AUG	22	1802	56.58	19	24.00	155	16.67	1.15	16	4	.11	.3	.2	0	SSCB	1.6X	104	0				
2008	AUG	22	2049	45.52	19	24.31	155	17.04	1.63	19	5	.07	.3	.2	0	SSCB	1.6X	106	1				
2008	AUG	22	2147	39.99	19	23.98	155	16.75	1.36	16	5	.10	.3	.2	0	SSCB	1.7X	102	0				
2008	AUG	22	2225	27.69	19	20.78	155	13.04	8.54	4210	.09	.3	.4	0	SF2	1.6X	62	3					
2008	AUG	23	0532	52.60	19	16.98	155	12.24	9.73	4010	.11	.6	.6	0	SF3	1.8X	180	2					
2008	AUG	23	1304	10.93	19	24.56	155	30.12	10.33	19	4	.07	.4	1.1	0	KAO	1.1X	73	6				
2008	AUG	23	1910	25.09	20	42.70	154	53.55	6.59	19	4	.11	9.211	1.9	0	DIS	2.0X	328102					
2008	AUG	23	2035	28.07	19	24.25	155	16.74	1.86	31	8	.11	.3	.2	0	SSCB	1.9X	114	1				
2008	AUG	23	2057	35.54	19	54.51	155	18.03	9.34	21	1	.08	1.6	.4	0	KEA	1.6X	242	5				
2008	AUG	23	2104	0.46	19	54.41	155	18.49	9.99	27	1	.12	1.7	.5	0	KEA	1.6X	244	4				
2008	AUG	23	2108	44.92	19	54.41	155	18.20	9.14	28	6	.10	.8	.3	0	KEA	1.6X	241	5				
2008	AUG	23	2132	48.21	19	58.94	155	18.32	7.67	33	7	.11	.9	.6	0	KEA	1.9X	246	27				
2008	AUG	23	2149	49.85	19	54.99	155	18.80	10.63	17		.11	1.9	.6	0	KEA	1.9X	284	4				
2008	AUG	23	2239	7.52	19	55.64	155	18.44	10.08	16	1	.10	1.5	.6	0	KEA	1.4X	245	6				
2008	AUG	23	2356	24.11	19	6.45	155	28.35	30.36	4710	.09	.6	1.1	0	DLS	2.2X	177	6					
2008	AUG	23	2359	40.88	19	59.42	155	18.76	11.43	4912	.14	.9	.6	0	KEAF	2.6X	208	12					
2008	AUG	24	0027	17.21	19	59.22	155	18.80	11.45	43	8	.12	.9	.5	0	KEA	1.8X	208	11				
2008	AUG	24	0559	45.80	19	9.63	155	35.19	46.42	36	7	.09	.7	1.1	0	DLS	1.9X	114	13				
2008	AUG	24	1051	53.68	19	16.23	155	28.71	7.45	36	6	.18	.4	1.1	0	LSW	1.4X	60	3				
2008	AUG	24	2030	20.18	19	24.06	155	16.64	2.10	23	6	.16	.3	.3	0	SSCB	2.1X	108	0				
2008	AUG	24	2115	59.54	19	20.25	155	11.33	9.28	4110	.09	.3	.4	0	SF3	1.8X	81	5					
2008	AUG	25	0013	10.94	19	19.07	155	11.28	4.75	37	9	.09	.3	1.6	0	SSF	1.4X	108					

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMS	MAG	GAP	DS
2008	AUG	27	0314	48.18	18	58.28	155	28.47	43.29	39	8	.08	1.0	1.5	DLS	1.6X	259	21
2008	AUG	27	0406	45.89	19	23.85	155	16.46	1.98	17	5	.09	.3	.2	SECB	1.5X	101	0
2008	AUG	27	0503	56.22	19	17.90	155	12.85	7.57	36	8	.11	.4	.8	SF2	1.3X	118	2
2008	AUG	27	0737	18.93	19	24.18	155	16.19	1.08	23	5	.13	.2	.2	SECB	2.0X	121	1
2008	AUG	27	0903	46.50	19	24.22	155	17.09	1.86	23	6	.09	.3	.2	SSCB	1.9X	102	1
2008	AUG	27	1456	10.94	19	22.10	155	30.32	9.49	39	9	.11	.4	.9	KAO	1.9X	52	5
2008	AUG	27	1704	32.76	19	19.22	155	8.69	6.50	32	8	.07	.4	.8	SF4	1.3X	102	4
2008	AUG	27	2338	23.51	19	24.18	155	16.77	1.83	17	5	.10	.3	.2	SSCB	1.3X	109	1
2008	AUG	28	0143	55.45	19	8.80	155	24.99	46.07	41	7	.10	.9	1.2	LOIT	1.7X	174	5
2008	AUG	28	0152	30.28	19	16.53	155	7.22	35.37	47	8	.10	.7	.9	DEPF	3.2X	195	2
2008	AUG	28	0314	32.19	19	25.67	155	53.42	14.17	24	4	.07	.6	.4	KON	1.7X	164	7
2008	AUG	28	0832	11.65	19	24.15	155	16.39	1.29	16	5	.12	.2	.2	SECB	1.5X	116	1
2008	AUG	28	0847	30.47	19	9.47	155	34.80	6.21	37	7	.13	.4	1.7	LSW	1.8X	118	12
2008	AUG	28	1159	28.25	19	10.34	155	35.47	0.66	23	3	.12	.7	.6	LSW	1.4X	168	13
2008	AUG	28	1711	28.53	19	23.97	155	16.86	1.84	17	4	.09	.3	.2	SSCB	1.8X	99	0
2008	AUG	28	1834	35.58	19	18.76	155	16.83	33.04	39	7	.11	.8	.9	DEP	1.4X	111	3
2008	AUG	28	2017	41.68	19	19.85	155	11.76	7.66	4612	.11	.4	.5	SF3	1.9X	86	6	
2008	AUG	28	2032	16.23	19	19.27	155	11.60	6.57	4712	.10	.4	.6	SF3	2.0X	101	5	
2008	AUG	28	2038	1.88	19	26.68	155	14.35	29.33	31	6	.10	.8	1.0	DEP	1.6X	142	4
2008	AUG	28	2052	45.37	19	52.19	155	24.19	26.70	4110	.12	.7	1.3	KEA	1.9X	197	7	
2008	AUG	28	2108	42.81	19	19.56	155	11.87	8.11	42	9	.09	.4	.6	SF3	1.7X	91	5
2008	AUG	29	0022	28.66	20	1.80	154	54.94	10.75	32	1	.13	5.3	3.2	KEA	2.3X	263	47
2008	AUG	29	0159	5.01	19	25.05	155	19.30	5.82	4110	.11	.3	.7	KAO	1.6X	96	3	
2008	AUG	29	0236	46.27	19	18.67	155	13.56	8.38	4610	.08	.3	.4	SF2	1.6X	74	3	
2008	AUG	29	0455	47.69	19	20.31	155	7.43	8.76	33	6	.10	.5	.6	SF4	1.4X	131	6
2008	AUG	29	0832	55.24	19	11.98	155	21.65	15.92	27	5	.10	.6	.5	DEP	1.4X	192	6
2008	AUG	29	1540	51.64	19	24.24	155	16.79	1.92	18	5	.06	.3	.2	SSCB	1.6X	112	1
2008	AUG	29	1816	2.63	19	11.37	155	25.08	35.00	26	4	.09	.9	1.6	DLS	1.5X	166	6
2008	AUG	29	2303	25.23	19	23.19	155	30.99	11.20	22	5	.10	.4	1.2	KAO	1.1X	85	6
2008	AUG	29	2324	32.05	19	18.73	155	47.21	12.19	27	5	.10	.4	.5	KON	1.3X	124	10
2008	AUG	30	0043	56.23	19	24.98	155	19.15	5.06	26	7	.06	.4	.7	KAO	1.4X	112	3
2008	AUG	30	0236	21.48	19	19.93	155	7.29	8.78	4811	.10	.4	.4	SF4	2.5X	137	5	
2008	AUG	30	0606	13.54	19	24.15	155	16.97	1.47	28	7	.07	.2	.2	SSCB	1.8X	102	1
2008	AUG	30	0922	7.52	19	19.68	155	30.25	10.43	28	6	.09	.3	.9	KAO	1.2X	57	7
2008	AUG	30	1515	30.18	19	16.59	155	27.13	9.59	29	6	.10	.4	.9	LSW	1.1X	116	6
2008	AUG	30	1810	32.65	19	19.93	155	11.72	8.05	38	8	.11	.4	.6	SF3	1.2X	85	6
2008	AUG	30	1903	31.11	19	24.07	155	15.63	1.68	27	8	.13	.2	.2	SECB	2.2X	109	2
2008	AUG	30	2038	46.50	19	24.40	155	16.83	1.27	15	5	.12	.3	.2	SSCB	1.6X	118	1
2008	AUG	31	0052	22.67	19	25.21	155	24.92	10.72	4711	.12	.3	.5	KAO	1.7X	35	7	
2008	AUG	31	0131	53.18	19	24.06	155	16.52	1.97	21	6	.12	.3	.2	SSCB	1.7X	110	0
2008	AUG	31	0614	59.97	19	23.76	155	14.64	49.72	34	8	.09	1.1	.8	DEP	1.9X	67	2
2008	AUG	31	1116	14.07	19	57.17	155	32.39	33.72	45	9	.10	.9	1.3	KEA	1.7X	237	16
2008	AUG	31	1626	32.38	19	24.86	155	19.54	7.30	29	7	.09	.4	.7	KAO	1.1X	108	2
2008	AUG	31	1833	10.57	19	52.88	156	3.03	43.00	5010	.09	1.0	1.2	HUAF	2.8X	242	31	
2008	AUG	31	1853	16.23	19	24.06	155	17.08	1.73	38	9	.09	.2	.2	SSCB	1.9X	96	1

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMS	MAG	GAP	DS
2008	AUG	31	1908	37.12	19	30.43	155	27.10	8.22	17	5	.12	.5	1.5	MLO	1.2X	117	3
2008	AUG	31	1913	27.39	19	23.89	155	17.11	1.91	17	5	.12	.4	.2	SSCB	1.7X	90	1
2008	SEP	1	0529	2.47	19	16.18	155	22.53	35.20	44	9	.12	.8	1.0	DEP	1.8X	133	4
2008	SEP	1	0616	21.34	19	24.11	155	16.84	1.80	25	7	.09	.3	.2	SSC	1.9X	105	1
2008	SEP	1	0654	10.27	19	43.71	156	5.38	7.12	4910	.12	1.0	.5	HUAF	3.3X	277	27	
2008	SEP	1	0657	24.47	19	53.16	156	11.25	0.68	20		.15	3.9	6.9	HUA #	1.9X	295	43
2008	SEP	1	0716	6.27	19	39.64	156	2.97	9.90	22		.11	3.3	1.0	HUA	1.8X	265	24
2008	SEP	1	0745	43.69	19	26.18	155	23.67	11.24	5012	.11	.3	.4	KAO	2.4X	46	7	
2008	SEP	1	0813	57.94	19	40.90	156	7.53	8.51	19	3	.14	1.3	.8	HUA	1.6X	280	42
2008	SEP	1	0904	5.93	19	41.02	156	6.57	7.52	45	9	.12	.9	.6	HUA	2.3X	276	30
2008	SEP	1	0914	41.44	19	40.05	156	0.40	6.32	20	4	.12	.9	.9	HUA	1.9X	257	22
2008	SEP	1	0914	42.49	19	24.34	155	17.00	1.73	19	6	.06	.3	.2	SSC	1.8X	110	1
2008	SEP	1	1158	6.43	19	10.70	155	8.02	47.90	34	8	.09	1.2	1.1	DEP	1.9X	232	12
2008	SEP	1	1235	47.36	19	39.56	156	2.90	8.46	30		.12	2.4	.6	HUA	2.1X	265	23
2008	SEP	1	1340	16.20	19	31.00	155	27.23	4.84	16	5	.10	.4	1.0	MLO	1.1X	125	2
2008	SEP	1	1345	3.87	19	31.07	155	28.07	5.26	15	5	.10	.4	1.1	MLO	1.3X	93	2
2008	SEP	1	1451	56.17	19	32.93	155	26.83	37.99	43	9	.09	.7	.9	DML	2.1X	52	2
2008	SEP	1	1502	6.02	19	23.94	155	17.13	2.02	16	5	.09	.3	.2	SSCB	1.7X	91	1
2008	SEP	1	2312	46.38	19	24.18	155	16.06	0.03	15	3	.09	.2	.3	SECB#	1.8X	123	1
2008	SEP	1	2353	19.28	19	29.62	155	43.24	9.28	26	4	.11	.5	1.5	KON	1.6X	69	13
2008	SEP	2	0159	10.31	19	24.23	155	16.46	1.53	20	4	.13	.3	.2	SECB	1.7X	119	1
2008	SEP	2	0234	37.58	19	23.74	155	16.57	1.71	19	4	.12	.3	.2	SSCB	1.8X	74	0
2008	SEP	2	0302	56.22	19	12.69	155	32.06	35.79	38	6	.06	.6	1.2	DLS	1.7X	82	6
2008	SEP	2	0524	5.60	19	24.26	155	16.88	1.35	19	6	.09	.3	.2	SSCB	1.7X	110	1
2008	SEP	2	0535	34.86	19	24.15	155	16.41	1.62	22	7	.12	.3	.2	SECB	2.2X	117	1
2008	SEP	2	0545	18.92	19	23.81	155	17.02	1.73	19	5	.09	.3	.2	SSCB	1.4X	89	1
2008	SEP	2	0952	11.64	19	12.88	155	29.29	37.46	4611	.08	.6	1.1	DLS	1.9X	81	4	
2008	SEP	2	1715	39.26	19	23.82	155	16.74	1.18	17	6	.14	.3	.2	SSCB	1.6X	86	0
2008	SEP	2	1720	8.65	19	24.00	155	17.09	1.79	19	4	.11	.3	.2	SSCB	1.5X	93	1
2008	SEP	2	1721	4.96	19	24.18	155	17.11	1.77	21	5	.09	.3	.2	SSCB	1.5X	99	1
2008	SEP	2	1727	27.54	19	24.11	155	16.98	1.56	23	5	.12	.3	.2	SSCB	1.9X	101	1
2008	SEP	2	1850	26.72	19	12.23	155	25.97	8.01	37	6	.14	.5	.9	LSW	1.7X	141	5
2008	SEP	2	1856	0.37	19	25.23	155	26.50	7.22	38	5	.13	.3	1.0	KAO	1		

---ORIGIN TIME (HST)-- --LAT N-- --LON W-- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN													YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKS MAG GAP DS												
2008	SEP	3	1130	26.15	19	17.98	155	47.63	12.92	32	7	.10	.6	.3	KON	1.6X	82	9							
2008	SEP	3	1243	33.05	19	24.11	155	16.35	1.65	20	7	.10	.3	.2	SECB	2.0X	115	1							
2008	SEP	3	1553	29.99	19	40.26	156	5.74	33.45	24	5	.11	1.6	2.0	HUA	1.6X	294	27							
2008	SEP	3	1602	30.27	19	30.61	155	25.99	5.50	16	4	.10	.4	1.5	MLO	1.2X	134	4							
2008	SEP	3	1916	30.30	19	59.13	156	5.59	45.69	25		.10	7.4	3.8	KOH	1.7X	302	63							
2008	SEP	3	2309	13.44	19	17.73	155	30.10	9.58	33	7	.10	.3	.8	LSW	1.3X	60	5							
2008	SEP	4	0321	40.42	19	24.31	155	29.85	9.61	40	9	.09	.3	.7	KAO	1.3X	44	5							
2008	SEP	4	0804	16.62	19	13.53	155	28.00	13.89	29	6	.09	.5	.6	DLS	1.3X	127	5							
2008	SEP	4	0843	35.68	19	27.58	155	48.26	11.49	42	9	.13	.6	.3	KON	1.9X	93	7							
2008	SEP	4	1140	0.39	19	21.06	155	28.98	7.12	37	7	.11	.3	.8	KAO	1.5X	43	4							
2008	SEP	4	1441	59.31	19	31.61	155	41.12	8.67	23	4	.13	.7	1.3	MLO	1.4X	166	9							
2008	SEP	4	1738	55.00	19	15.94	156	14.86	32.16	28		.12	8.4	3.6	KON	1.8X	310	40							
2008	SEP	4	1849	30.75	19	15.14	156	15.65	34.44	27		.10	7.3	3.1	KON	1.7X	312	41							
2008	SEP	4	1908	20.27	19	20.47	155	6.22	8.36	4310	.08		.4	.5	SF4	1.5X	152	6							
2008	SEP	4	1913	35.91	20	12.49	155	37.56	37.53	44	8	.09	1.2	1.8	KOH	2.1X	256	18							
2008	SEP	4	2027	59.86	19	32.43	155	28.14	5.64	17	4	.10	.5	1.0	MLO	1.2X	132	1							
2008	SEP	5	0202	2.75	19	16.18	155	27.50	7.95	42	9	.13	.3	.6	LSW	1.2X	65	5							
2008	SEP	5	0338	44.21	19	40.35	156	2.34	10.44	33	1	.11	1.9	1.4	HUA	2.2X	230	24							
2008	SEP	5	0614	1.42	19	18.72	155	13.55	8.03	33	7	.09	.4	.8	SF2	1.3X	73	3							
2008	SEP	5	0655	40.47	19	23.87	155	17.00	1.86	25	7	.12	.3	.2	SSCB	1.9X	92	1							
2008	SEP	5	0658	14.61	19	19.13	155	8.46	8.03	4111	.07		.4	.5	SF4	1.6X	108	3							
2008	SEP	5	0710	6.21	19	24.04	155	16.92	1.18	27	7	.09	.2	.2	SSCB	1.7X	100	1							
2008	SEP	5	0918	11.83	19	41.60	156	3.92	11.02	25	6	.11	1.2	.8	HUA	1.7X	277	38							
2008	SEP	5	2238	7.60	19	17.19	155	27.47	6.68	32	6	.11	.3	1.1	LSW	1.4X	93	6							
2008	SEP	5	2242	33.44	19	16.34	155	27.77	9.20	36	6	.14	.4	.8	LSW	1.4X	62	5							
2008	SEP	6	0357	39.03	19	19.46	155	11.72	9.90	41	9	.09	.4	.4	SF3	1.6X	95	5							
2008	SEP	6	0646	16.42	19	23.87	155	27.59	10.78	42	9	.10	.3	.6	KAO	1.5X	49	3							
2008	SEP	6	1122	21.11	19	26.15	155	23.96	10.58	43	9	.11	.4	.6	KAO	1.8X	44	7							
2008	SEP	6	1353	12.87	19	19.21	155	11.90	8.45	40	8	.09	.4	.5	SF3	1.7X	99	5							
2008	SEP	6	1441	1.36	19	19.83	155	12.50	8.77	42	8	.09	.4	.5	SF2	1.7X	80	5							
2008	SEP	6	1450	7.08	19	26.08	155	28.08	10.54	31	6	.10	.4	.8	KAO	1.3X	61	7							
2008	SEP	6	1845	23.65	19	20.23	155	7.84	8.09	32	7	.09	.5	.7	SF4	1.6X	123	5							
2008	SEP	7	0404	20.01	20	2.17	155	51.14	21.07	27	4	.11	1.4	2.3	KOH	2.0X	214	13							
2008	SEP	7	0420	11.70	18	56.21	155	13.61	41.19	25	5	.09	1.5	2.3	LOI	1.7X	293	35							
2008	SEP	7	0534	48.21	19	12.69	155	32.00	36.02	5214	.07		.5	.9	DLSF	3.2X	81	6							
2008	SEP	7	0645	28.24	19	29.65	155	23.62	4.89	18	3	.14	.8	.9	KAO	1.8X	101	1							
2008	SEP	7	1101	3.08	19	23.40	155	16.89	1.91	19	6	.10	.3	.2	SSCB	1.6X	47	0							
2008	SEP	7	1408	18.62	19	28.05	155	28.95	10.44	23	5	.10	.4	1.3	KAO	1.5X	78	8							
2008	SEP	8	0119	1.65	19	22.08	155	14.06	12.83	39	8	.11	.5	.4	INT	1.4X	64	2							
2008	SEP	8	1138	17.65	19	25.76	155	18.63	8.02	27	7	.08	.4	.7	INT	1.4X	139	2							
2008	SEP	8	1202	20.38	19	26.76	155	30.10	14.68	16	4	.09	.6	1.3	DML	.9X	71	6							
2008	SEP	8	1545	17.65	19	21.40	155	15.60	1.80	21	6	.08	.2	.4	KOA	1.8X	65	2							
2008	SEP	9	0634	49.41	19	38.11	156	10.53	16.49	35	4	.13	1.9	15.8	KON	1.9X	297	32							
2008	SEP	9	1805	7.29	19	30.24	155	27.56	6.43	19	4	.12	.4	1.6	MLO	1.5X	99	3							
2008	SEP	9	2142	49.35	19	22.77	155	28.93	11.32	18		.10	.5	1.4	KAO	1.3U	45	2							

---ORIGIN TIME (HST)-- --LAT N-- --LON W-- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN													YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKS MAG GAP DS												
2008	SEP	9	2157	25.71	19	19.19	155	13.00	8.58	30	1	.12	.6	.6	SF2	2.1U	145	6							
2008	SEP	9	2219	19.20	19	20.23	155	11.84	7.64	24	2	.08	.4	.7	SF3	1.4U	79	5							
2008	SEP	10	1005	18.91	18	54.41	155	11.14	34.97	38	8	.10	1.3	2.2	LOI	2.0X	256	40							
2008	SEP	10	1139	52.05	19	26.13	155	38.14	3.52	18	5	.12	.6	.6	MLO	1.5X	101	3							
2008	SEP	10	1403	53.82	19	50.42	155	48.20	33.01	39	6	.10	.9	1.3	HUA	1.9X	243	15							
2008	SEP	10	1745	18.93	19	24.77	155	19.05	6.27	20	5	.09	.4	1.0	KAO	1.0X	103	2							
2008	SEP	10	1938	51.38	19	29.99	155	26.41	5.99	17	5	.08	.4	1.4	KAO	1.5X	115	4							
2008	SEP	11	0131	4.58	19	25.00	155	18.98	7.16	30	8	.13	.5	.8	INT	1.1X	113	3							
2008	SEP	11	0645	49.66	19	17.66	155	14.69	9.51	4110	.11		.5	.6	SF1	1.8X	145	7							
2008	SEP	11	0922	56.68	19	24.17	155	29.73	10.84	26	6	.11	.4	1.0	KAO	1.1X	72	5							
2008	SEP	11	1116	39.75	19	20.01	155	7.85	9.78	5213	.11		.4	.4	SF4	2.8X	123	5							
2008	SEP	11	2311	9.10	19	24.34	155	16.99	1.67	19	4	.07	.3	.2	SSCB	1.7X	110	1							
2008	SEP	12	0329	59.54	19	23.89	155	29.37	10.19	20	4	.06	.4	.9	KAO	1.2X	66	4							
2008	SEP	12	0659	32.22	19	10.20	155	33.07	34.88	21	3	.09	.9	2.0	DLS	1.4X	168	9							
2008	SEP	12	1154	33.99	19	20.97	155	6.06	5.75	31	7	.12	.6	1.3	SF4	1.8X	148	5							
2008	SEP	12	1156	4.14	19	21.03	155	5.90	5.96	28	7	.12	.5	1.3	SF4	1.5X	150	5							
2008	SEP	12	1202	44.29	19	33.77	155	57.98	10.20	26	3	.12	1.2	.5	KONF	1.7X	241	10							
2008	SEP	12	1227	44.59	19	21.15	155	4.61	6.68	27	6	.15	.7	1.1	SF5	1.4X	166	6							
2008	SEP	12	1250	36.56	19	20.98	155	5.98	6.04	30	7	.13	.6	1.2	SF4	1.7X	150	5							
2008	SEP	12	1800	49.58	19	20.17	155	7.25	8.00	35	8	.09	.4	.6	SF4	1.9X	136	5							
2008	SEP	12	1838	42.95	19	31.61	155	47.31	10.74	24	4	.14	.5	.6	KON	1.1X	91	3</							

---ORIGIN TIME (HST)---LAT N---LON W---DEPTHN N RMSERHERZLOC										PREF	AZ	MIN									
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS	
2008	SEP	15	1820	18.30	19	43.80	156	6.64	26.33	21	.13	3.5	3.7	HUA	2.0X	280	29				
2008	SEP	15	1848	49.27	19	39.28	156	0.80	11.35	31	.11	2.6	.9	HUA	2.3X	258	21				
2008	SEP	15	1856	9.20	19	39.83	156	2.25	30.77	31	.13	2.4	3.7	HUA	2.3X	263	45				
2008	SEP	15	2059	23.40	19	9.02	155	35.20	4.31	25	4	.13	.6	4.8	LSW	1.3X	186	13			
2008	SEP	15	2121	51.27	19	9.64	155	34.59	11.01	33	6	.11	.4	.9	LSW	1.5X	116	12			
2008	SEP	16	0639	17.58	19	22.19	155	30.06	10.86	21	5	.09	.4	1.0	KAO	1.2X	49	4			
2008	SEP	16	1647	19.51	19	24.79	155	37.03	3.06	26	5	.09	.3	.4	MLO	2.0X	65	2			
2008	SEP	16	1931	36.70	19	32.97	155	14.88	25.06	50	12	.12	.5	.9	DEP	2.3X	67	15			
2008	SEP	16	2221	12.45	19	29.63	155	26.05	15.26	19	4	.13	.7	1.3	DML	1.6X	109	5			
2008	SEP	16	2226	14.90	19	29.23	155	25.83	7.37	18	4	.12	.4	1.2	KAO	1.5X	99	5			
2008	SEP	17	0226	1.10	19	19.29	155	9.47	5.26	31	9	.11	.4	1.4	SF3	1.4X	97	4			
2008	SEP	17	0715	36.95	19	20.92	155	5.60	7.39	26	6	.11	.6	1.0	SF4	1.3X	155	6			
2008	SEP	17	1351	3.24	19	17.88	155	8.24	9.06	46	11	.10	.5	.6	SF4F	2.1X	194	9			
2008	SEP	17	1525	50.98	19	0.81	155	25.22	44.06	21	3	.08	1.4	2.2	DLS	1.5X	229	17			
2008	SEP	18	0431	23.28	19	29.69	155	26.38	8.59	24	7	.11	.4	1.0	KAO	1.3X	90	5			
2008	SEP	18	0549	56.14	19	25.97	155	24.45	11.10	36	7	.12	.4	.8	KAO	1.5X	76	7			
2008	SEP	18	0814	29.28	19	25.86	155	24.11	9.20	19	3	.09	.4	1.1	KAO	1.1X	93	7			
2008	SEP	18	0953	11.87	19	20.65	155	9.11	7.63	33	5	.08	.4	.7	SF4	1.6X	96	4			
2008	SEP	18	1028	7.46	19	24.44	155	16.89	1.53	20	5	.10	.3	.2	SSCB	1.8X	119	1			
2008	SEP	18	1120	25.43	19	26.40	155	28.87	9.33	38	8	.10	.3	.9	KAO	1.8X	52	8			
2008	SEP	18	1921	41.41	19	20.93	155	29.74	11.41	17	2	.11	.6	1.2	KAO	1.1X	74	5			
2008	SEP	18	2021	21.83	19	23.81	155	15.72	3.04	33	7	.07	.3	.2	SECF	2.0X	101	2			
2008	SEP	19	0003	2.90	19	35.05	155	48.56	11.49	22	3	.12	.5	.8	KON	1.3X	117	12			
2008	SEP	19	0334	48.29	19	20.18	155	6.55	8.09	38	7	.09	.4	.4	SF4	1.8X	150	6			
2008	SEP	19	0820	24.81	19	27.76	155	23.95	11.08	22	5	.10	.4	1.0	KAO	1.1X	92	4			
2008	SEP	19	1144	33.58	19	19.86	155	7.28	8.40	32	6	.11	.6	.7	SF4	1.4X	139	5			
2008	SEP	19	1720	21.10	19	20.49	155	6.09	8.08	30	4	.09	.5	.6	SF4	1.6X	154	6			
2008	SEP	19	1723	23.65	19	25.00	155	29.66	11.80	24	3	.10	.5	1.0	KAO	1.2X	69	6			
2008	SEP	19	1759	43.19	19	19.49	155	6.52	9.78	48	11	.10	.6	.3	SF4F	4.3U	160	5			
2008	SEP	19	1806	48.52	19	19.58	155	6.03	9.51	18	3	.10	.8	1.3	SF4	1.8X	169	5			
2008	SEP	19	1855	20.33	19	29.10	155	27.95	10.89	43	9	.10	.3	.5	KAO	1.8X	46	5			
2008	SEP	19	1954	9.31	19	19.83	155	7.12	4.27	32	3	.11	.4	1.2	SSF	1.2X	143	5			
2008	SEP	19	2147	34.50	19	24.15	155	16.77	1.54	22	6	.13	.3	.2	SSCB	1.7X	109	1			
2008	SEP	19	2155	38.63	19	19.44	155	6.88	9.08	45	9	.11	.5	.4	SF4	2.0X	153	4			
2008	SEP	20	0338	55.01	19	26.57	155	30.03	9.31	21	3	.09	.4	1.2	KAO	1.0X	61	9			
2008	SEP	20	0511	0.02	19	14.64	155	18.45	31.34	34	5	.09	.9	1.4	DEP	1.4X	167	6			
2008	SEP	20	1807	56.00	19	46.14	156	14.64	24.84	15			.16	11.8	6.0	HUA	1.7X	317	43		
2008	SEP	20	1825	36.84	19	49.33	155	27.45	24.59	24	3	.13	.7	1.9	KEA	1.8X	135	14			
2008	SEP	20	1903	50.16	19	22.36	155	30.08	9.32	25	5	.10	.4	.9	KAO	1.3X	48	4			
2008	SEP	20	2152	49.77	19	24.16	155	27.05	10.08	36	6	.12	.4	.6	KAO	1.5X	53	3			
2008	SEP	21	0202	8.66	19	47.07	156	6.80	4.15	19	3	.10	1.3	1.0	HUA	1.6X	294	31			
2008	SEP	21	0400	46.90	19	24.31	155	17.09	1.68	21	6	.07	.3	.2	SSC	1.6X	105	1			
2008	SEP	21	1251	36.95	19	24.48	155	17.51	22.05	24	4	.13	.7	1.5	DEP	1.5X	92	4			
2008	SEP	22	0211	33.07	19	13.32	155	21.84	4.87	33	5	.11	.5	1.0	SWR	1.4X	166	4			
2008	SEP	22	0633	2.77	19	16.24	155	27.42	9.86	35	4	.14	.4	.7	LSW	1.5X	64	5			

---ORIGIN TIME (HST)---LAT N---LON W---DEPTHN N RMSERHERZLOC										PREF	AZ	MIN								
YEAR	MON	DA	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REM	KMS	MAG	GAP	DS
2008	SEP	22	1518	35.13	19	12.75	155	29.26	1.78	42	7	.12	.3	.8	LSW	2.4X	101	6		
2008	SEP	22	1540	20.10	19	12.11	155	20.47	47.41	19	3	.10	1.4	2.1	DEP	1.5X	225	7		
2008	SEP	22	1806	45.55	20	1.30	155	38.72	13.35	37	8	.10	1.0	.9	KOH	1.9X	163	18		
2008	SEP	22	2040	16.38	19	19.29	155	13.15	8.67	40	7	.12	.5	.6	SF2	1.5X	77	4		
2008	SEP	22	2201	56.55	19	48.57	155	47.21	15.44	25	1	.10	1.8	1.1	HUA	1.3X	225	14		
2008	SEP	22	2213	34.38	19	2.17	155	33.05	43.26	23	4	.09	1.3	2.1	DLS	1.5X	243	16		
2008	SEP	23	0102	44.14	19	22.53	155	29.69	9.81	45	8	.11	.3	.6	KAO	2.0X	33	4		
2008	SEP	23	0103	7.35	19	22.67	155	29.29	11.74	31	5	.13	.4	.8	KAO	1.4X	68	3		
2008	SEP	23	0408	55.98	19	22.44	155	29.32	9.24	25	3	.14	.4	.7	KAO	1.4X	45	3		
2008	SEP	23	0743	35.05	19	24.15	155	16.89	2.95	17	5	.11	.4	.3	SSCB	1.7X	105	1		
2008	SEP	23	0749	42.10	20	9.12	155	27.53	37.16	53	13	.12	1.0	1.4	KEAF	3.0X	231	31		
2008	SEP	23	1250	47.37	19	30.41	155	42.11	9.61	21	5	.12	.6	1.2	MLO	1.6X	151	7		
2008	SEP	23	1313	56.45	19	20.81	155	18.88	1.57	24	6	.10	.3	.6	SWR	1.0X	49	5		
2008	SEP	23	1401	37.42	19	11.69	155	31.05	40.44	18	4	.07	1.1	2.0	DLS	1.5X	136	7		
2008	SEP	23	1553	33.56	19	50.61	156	6.46	7.66	25	4	.12	1.4	1.0	HUA	1.8X	289	47		
2008	SEP	24	0008	45.67	19	28.83	155	41.88	8.15	23	3	.14	.6	1.3	MLO	1.4X	73	8		
2008	SEP	24	0410	36.35	19	24.08	155	16.89	1.87	26	8	.11	.3	.2	SSCB	2.1X	103	1		
2008	SEP	24	0541	43.57	19	23.74	155	30.85	9.62	35	6	.11	.4	.9	KAO	1.5X	50	6		
2008	SEP	24	0722	42.31	19	33.09	155	14.42	24.10	35	8	.12	.7	1.2	DEP	1.7X	129	15		
2008	SEP	24	0725	58.21	20	9.44	155	36.29	35.60	42	10	.12	1.0	1.3	KOHF	2.1X	228	19		
2008	SEP	24	0729	31.46	19	36.42	155	8.11	10.95	22	4	.12	.5	2.3	HIL	1.2X	136	15		
2008	SEP	24	1552	40.70	19	8.02	155	30.14	10.00	19	4	.11	.8	.8	LSW	1.5X	215	5		
2008	SEP	24	2111	32.87	19	19.77	155	7.30	6.20	29	4	.14	.6	1.2	SF4	1.3X	139	5		
2008	SEP	25	0514	50.34	19	12.06	155	26.47	5.45	16	3	.09	.7	2.1	LSW	1.3X	140	5		
2008	SEP	25	0800	5.97	19	26.10	155	52.91	19.31	26	4	.17	.9	2.3	KON	1.5X	152	7		
2008	SEP	25	0839	25.56	19	28.12	155	26.78	9.13	17	5	.12	.5	1.5	KAO	1.2X	75	7		
2008	SEP	25	0846	46.25	19	23.99	155	16.49	1.71	17	4	.11	.3	.2	SECB	1.6X	107	0		
2008	SEP	25	1113	41.92	19	20.14	155	6.80	8.38	23	4	.09	.5	1.0	SF4	1.5X	177	6		
2008	SEP	25	1534	20.76	19	19.87	155	7.00	8.31	42	8	.11	.5	.4</						

---ORIGIN TIME (HST)-- -LAT N-- --LON W-- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN														YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKS MAG GAP DS														
2008	SEP	28	0023	56.27	19	23.97	155	16.91	2.54	15	5	.09	.3	.2	SSCB	2.1X	97	1										
2008	SEP	28	0239	40.05	19	22.76	155	30.09	9.88	21	3	.08	.4	1.1	KAO	1.2X	48	4										
2008	SEP	28	0638	4.69	19	30.73	155	44.03	9.32	43	8	.13	.4	.5	KON	2.3X	66	3										
2008	SEP	28	0714	32.60	19	16.78	155	26.32	5.65	33	4	.12	.4	1.2	LSW	1.1X	54	6										
2008	SEP	28	0904	59.19	19	20.21	155	13.39	7.79	31	4	.11	.4	.8	SF2	1.5X	63	4										
2008	SEP	28	1130	30.94	19	20.44	155	6.92	8.06	32	5	.11	.5	.7	SF4	1.5X	140	5										
2008	SEP	28	1146	53.43	19	28.39	155	26.82	7.88	17	4	.09	.4	1.3	KAO	1.5X	79	7										
2008	SEP	28	1255	41.18	19	19.84	155	6.43	7.26	35	8	.12	.6	1.0	SF4	1.7X	157	5										
2008	SEP	28	1335	9.80	19	29.14	155	35.55	1.63	12	3	.14	.5	.2	MLO	1.3X	111	1										
2008	SEP	28	2121	19.22	19	27.08	155	29.24	9.08	27	5	.10	.4	1.1	KAO	1.2X	70	9										
2008	SEP	29	0234	5.24	19	37.21	156	18.74	18.25	22		.11	6.410	1.1	KON	2.0X	298	44										
2008	SEP	29	0411	42.65	19	23.31	155	30.37	10.24	22	3	.09	.5	.7	KAO	1.2X	49	5										
2008	SEP	29	1214	35.90	19	12.14	156	17.97	16.69	20	3	.16	1.817	8	KON -	1.8X	301	46										
2008	SEP	29	1217	7.67	19	11.70	156	22.07	11.67	27	3	.14	8.211	8	DIS -	2.6X	321	53										
2008	SEP	29	1403	21.22	19	22.44	155	49.60	11.13	25	5	.12	.6	.8	KON	1.5X	121	13										
2008	SEP	29	1441	31.98	19	11.62	155	31.86	0.69	32	5	.15	.4	.5	LSW	1.6X	94	7										
2008	SEP	29	1548	23.52	19	20.66	155	6.46	7.89	4610		.09	.3	.4	SF4	2.3X	146	5										
2008	SEP	29	1837	33.30	19	20.45	155	6.45	6.49	34	7	.11	.5	.9	SF4T	2.0X	148	6										
2008	SEP	29	1845	40.91	19	8.63	155	27.01	42.16	27	3	.10	1.3	2.0	DLST	2.2X	253	2										
2008	SEP	29	2011	51.04	19	9.59	155	35.38	0.02	20	4	.14	.9	.5	LSW #	1.3X	178	13										
2008	SEP	30	0053	31.13	19	22.42	155	30.14	10.07	26	4	.07	.4	.6	KAO	1.1X	75	4										
2008	SEP	30	0330	28.25	19	24.04	155	16.64	1.48	20	5	.07	.2	.1	SSCB	1.5X	106	0										
2008	SEP	30	0538	16.27	19	9.56	155	40.24	8.84	15	2	.11	.8	2.5	LSW	1.2X	177	10										
2008	SEP	30	1228	32.40	19	30.38	155	32.46	13.07	22	4	.13	.5	.6	DML	1.8X	134	6										
2008	SEP	30	1509	9.69	19	19.70	155	8.15	9.48	4711		.11	.4	.4	SF4F	2.6X	117	4										
2008	SEP	30	1802	51.82	19	21.71	155	30.58	8.67	24	4	.10	.4	1.0	KAO	1.1X	59	5										
2008	SEP	30	2253	9.60	19	17.55	155	12.82	8.34	39	8	.13	.5	.5	SF2	2.0X	138	1										
2008	OCT	1	0030	41.01	19	26.84	155	29.65	9.84	42	8	.11	.3	.7	KAO	1.5X	43	9										
2008	OCT	1	0213	48.54	19	17.93	155	12.67	9.71	41	7	.10	.5	.4	SF2	2.1X	143	8										
2008	OCT	1	1657	34.79	19	14.04	155	21.69	8.83	38	5	.12	.4	.8	SWR	1.9X	155	4										
2008	OCT	1	2220	43.04	19	20.58	155	7.26	8.35	31	4	.10	.5	.6	SF4	1.5X	132	5										
2008	OCT	2	0034	34.78	19	11.57	155	41.76	11.08	37	7	.14	.5	.6	LSW	2.1X	75	8										
2008	OCT	2	1214	45.78	19	22.31	155	29.81	9.02	38	6	.10	.3	.8	KAO	1.4X	47	4										
2008	OCT	2	1258	45.97	19	25.78	155	28.39	9.86	18	4	.09	.5	1.3	KAO	1.3X	61	6										
2008	OCT	2	1342	53.44	19	24.41	155	16.99	1.67	28	9	.11	.3	.2	SSC	1.9X	113	1										
2008	OCT	2	1544	1.64	19	57.81	154	50.36	10.21	25	3	.13	1.5	1.0	KEA	2.1X	287	35										
2008	OCT	2	1612	45.31	19	25.20	155	37.54	2.77	33	5	.13	.3	.4	MLO	2.0X	74	2										
2008	OCT	2	1624	48.25	19	24.13	155	16.50	1.58	20	5	.11	.3	.2	SECB	1.9X	114	0										
2008	OCT	2	2109	38.84	19	20.20	155	7.44	7.22	32	5	.11	.5	.7	SF4	1.5X	131	5										
2008	OCT	2	2143	15.18	19	29.93	155	26.13	5.99	15	4	.10	.4	1.5	KAO	1.6X	115	5										
2008	OCT	2	2221	30.10	19	13.40	155	31.35	32.24	38	6	.08	.6	1.1	DLS	1.7X	72	4										
2008	OCT	2	2310	51.01	19	24.39	155	16.83	1.74	23	7	.11	.3	.2	SSCB	1.8X	117	1										
2008	OCT	3	0129	49.41	19	21.65	155	4.72	5.09	28	6	.13	.6	1.6	SF5	1.4X	158	5										
2008	OCT	3	0254	12.95	19	22.20	155	26.12	9.71	40	6	.12	.3	.5	KAO	1.6X	49	3										
2008	OCT	3	0443	7.58	19	36.97	155	5.29	14.26	30	6	.12	.6	.7	HIL	1.5X	101	11										

---ORIGIN TIME (HST)-- -LAT N-- --LON W-- DEPTH N N RMS ERH ERZ LOC PREF AZ MIN														YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKS MAG GAP DS														
2008	OCT	3	0820	41.63	19	19.59	155	12.78	7.51	4110		.10	.4	.6	SF2	1.8X	79	5										
2008	OCT	3	0854	30.23	19	19.92	155	6.34	6.69	28	4	.14	.6	1.1	SF4	1.7X	157	6										
2008	OCT	3	1311	52.83	20	2.48	155	12.72	42.26	20	5	.07	1.2	1.7	KEA	1.9X	311	22										
2008	OCT	3	1526	57.50	19	19.10	155	15.62	2.93	27	4	.11	.3	1.0	SSF	1.3X	96	5										
2008	OCT	3	1536	38.18	19	12.04	155	21.20	31.64	23	4	.10	1.0	1.6	DEP	1.5X	221	7										
2008	OCT	3	1542	37.01	19	19.32	155	9.67	8.05	41	8	.09	.4	.6	SF3	2.1X	98	5										
2008	OCT	3	2054	10.73	19	24.09	155	29.65	10.12	35	7	.11	.4	.8	KAO	1.2X	44	5										
2008	OCT	4	0539	42.75	19	19.59	155	6.36	5.87	37	6	.09	.5	.9	SF4	1.7X	162	5										
2008	OCT	4	0754	40.86	19	24.08	154	49.47	44.39	40	7	.10	1.3	.8	LER	1.9X	281	12										
2008	OCT	4	0837	40.56	19	14.06	155	34.44	7.49	5012		.14	.4	.8	LSWF	2.5X	75	8										
2008	OCT	4	1331	54.01	19	13.19	155	30.99	6.84	28	4	.11	.4	.9	LSW	1.4X	114	4										
2008	OCT	4	1350	21.58	19	26.12	155	30.80	9.40	29	6	.10	.4	1.0	KAO	1.4X	58	8										
2008	OCT	4	1403	49.08	19	56.83	155	31.98	34.03	28	6	.09	.8	1.4	KEA	1.8X	233	16										
2008	OCT	4	1850	9.45	19	19.54	155	8.01	7.77	37	9	.11	.5	.7	SF4	1.7X	121	4										
2008	OCT	4	1859	51.39	19	18.74	155	11.78	6.65	4110		.11	.4	.6	SF3	1.8X	113	4										
2008	OCT	4	2058	57.63	19	17.97	155	14.52	10.57	29	4	.11	.6	.9	SF1	1.3X	104	3										
2008	OCT	5	0253	53.12	19	22.45	155	30.																				

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN		
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS	
2008	OCT	9	1924	22.38	19	19.97	155	8.42	8.38	4711	.11	.4	.4	SP4	2.5X	110	5		
2008	OCT	9	1948	31.57	19	10.43	155	31.63	36.91	31	6	.07	.8	1.4	DLS	1.6X	161	7	
2008	OCT	10	1137	31.86	19	28.47	155	26.13	6.19	16	4	.13	.4	1.9	KAO	1.3X	82	6	
2008	OCT	10	1234	17.74	19	19.79	155	8.00	8.10	26	5	.10	.5	.9	SP4	1.5X	144	4	
2008	OCT	10	1402	51.77	19	19.69	155	11.73	7.05	35	8	.08	.4	.7	SF3	1.8X	89	6	
2008	OCT	10	1918	59.48	19	17.87	155	14.92	3.20	34	7	.12	.4	.8	SSF	1.3X	115	3	
2008	OCT	10	2102	59.39	19	54.02	155	15.33	39.67	4610	.11	.8	1.3	KEA	2.0X	228	9		
2008	OCT	10	2244	8.80	19	17.13	155	29.56	10.09	26	4	.13	.4	.8	LSW	1.3X	73	4	
2008	OCT	11	0445	53.03	19	22.07	155	1.20	8.18	24	4	.14	.8	1.0	SF5	1.4X	188	7	
2008	OCT	11	0454	57.65	19	25.78	155	24.29	10.35	46	9	.12	.3	.6	KAO	2.0X	43	8	
2008	OCT	11	0919	26.88	19	25.58	154	49.67	9.94	25	4	.14	1.6	.7	LER	1.7X	279	10	
2008	OCT	11	1425	21.07	19	24.05	155	17.02	1.50	15	3	.12	.3	.2	SSCB	1.7X	98	1	
2008	OCT	11	1545	49.80	19	24.20	155	17.10	1.80	21	6	.10	.3	.2	SSCB	2.1X	100	1	
2008	OCT	11	1554	12.94	19	24.66	155	15.92	0.38	22	6	.11	.2	.3	SNCB	2.0X	136	2	
2008	OCT	11	1939	58.82	19	24.83	155	24.81	9.26	22	5	.10	.4	1.0	KAO	1.5X	69	7	
2008	OCT	11	2055	5.55	19	23.95	155	17.50	2.12	18	5	.15	.3	.3	SSCB	1.9X	79	1	
2008	OCT	11	2320	34.13	19	19.46	155	8.88	8.94	38	9	.09	.4	.5	SF4	1.5X	98	4	
2008	OCT	11	2340	19.23	19	15.03	155	20.65	36.85	34	4	.10	.9	1.3	DEP	1.4X	153	6	
2008	OCT	12	0148	27.26	19	15.94	155	21.22	35.76	4910	.10	.6	.9	DEP	2.3X	142	6		
2008	OCT	12	0245	19.20	19	35.49	155	18.83	13.17	23	4	.13	.5	1.2	KEA	1.0X	143	13	
2008	OCT	12	0335	28.61	19	12.15	155	30.67	36.69	29	3	.07	.7	1.4	DLS	1.4X	81	5	
2008	OCT	12	1155	9.09	19	24.13	155	16.87	1.86	20	6	.08	.3	.2	SSCB	1.6X	105	1	
2008	OCT	12	1440	30.25	19	23.73	155	16.79	2.46	15	4	.11	.4	.3	SSCB	1.8X	70	0	
2008	OCT	12	1604	54.97	19	14.47	155	27.07	8.98	4710	.14	.4	.4	LSW	2.2X	97	5		
2008	OCT	13	0056	56.74	19	21.31	155	18.14	2.87	30	7	.11	.3	.6	SWR	1.6X	109	4	
2008	OCT	13	0725	17.75	19	56.31	156	6.12	44.19	34	7	.09	1.1	1.6	KOH	2.0X	257	40	
2008	OCT	13	1704	31.51	19	25.27	155	29.62	10.50	21	5	.08	.4	1.2	KAO	1.2X	66	6	
2008	OCT	13	1841	9.30	19	2.29	155	14.79	50.04	39	6	.10	1.1	1.5	LOI	2.0X	227	27	
2008	OCT	13	2251	55.75	19	21.51	155	15.18	1.75	20	3	.08	.3	.5	KOA	1.9X	63	2	
2008	OCT	14	0551	42.08	19	11.92	155	32.69	8.07	37	6	.12	.5	1.1	LSW	1.8X	92	7	
2008	OCT	14	1024	12.97	19	21.25	155	6.44	8.65	4812	.12	.4	.3	SP4	2.5X	139	4		
2008	OCT	14	1225	27.68	19	24.00	155	16.97	1.79	16	5	.09	.3	.2	SSCB	1.7X	97	1	
2008	OCT	14	1226	26.07	19	24.29	155	16.48	1.14	26	6	.14	.2	.2	SECB	2.2X	122	1	
2008	OCT	14	1229	8.74	19	24.03	155	16.59	1.57	17	4	.11	.3	.2	SSCB	1.5X	107	0	
2008	OCT	14	1607	14.93	19	25.06	155	16.56	0.48	17	5	.10	.2	.3	SNCB	2.5X	153	2	
2008	OCT	14	1609	23.35	19	24.52	155	16.51	1.60	20	5	.13	.3	.2	SSCB	1.9X	134	1	
2008	OCT	14	1636	24.63	19	12.20	155	30.75	7.29	23	5	.14	.5	1.4	LSW	1.4X	125	5	
2008	OCT	14	1642	17.96	19	14.01	156	20.02	12.08	18	3	.13	7.711	1.1	DIS	-	1.8X	307	60
2008	OCT	14	1852	54.67	20	31.88	155	26.69	15.75	31	6	.15	5.513	5	DIS	-	2.1X	310	78
2008	OCT	14	1907	37.14	19	26.16	155	30.51	12.22	38	8	.10	.4	.5	KAO	1.8X	65	8	
2008	OCT	14	2005	53.53	19	23.68	155	30.31	10.02	20	4	.08	.4	1.1	KAO	1.2X	48	5	
2008	OCT	15	0557	59.35	19	29.15	155	26.08	11.10	4812	.12	.3	.3	.5	KAO	2.0X	48	5	
2008	OCT	15	0712	42.72	19	24.09	155	16.96	1.73	22	4	.09	.3	.2	SSC	1.6X	100	1	
2008	OCT	15	0718	27.93	19	44.83	156	7.94	35.17	20	.09	8.1	3.4	HUA	1.9X	310	36		
2008	OCT	15	0830	43.55	19	22.07	154	59.82	8.66	32	5	.12	.9	.5	LER	1.4X	201	6	

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	OCT	15	0929	45.68	19	48.14	155	1.46	42.51	37	9	.12	.9	1.2	KEA	2.1X	238	11
2008	OCT	15	1542	12.47	19	14.62	155	28.93	9.59	39	8	.13	.4	.7	LSW	1.9X	84	2
2008	OCT	15	1846	8.97	19	28.17	155	23.38	10.56	42	9	.12	.3	.5	KAO	1.8X	50	3
2008	OCT	15	2155	7.07	19	12.82	155	16.12	44.98	37	4	.07	.9	1.3	DEP	1.3X	195	9
2008	OCT	16	0244	20.91	19	19.95	155	13.22	8.50	30	5	.10	.5	.8	SF2	1.3X	68	5
2008	OCT	16	0349	28.69	19	39.29	155	47.63	36.29	28	4	.06	.8	1.2	HUA	1.6X	120	6
2008	OCT	16	0403	3.16	19	17.92	155	12.99	9.78	38	7	.11	.5	.6	SF2	2.0X	144	9
2008	OCT	16	0626	20.58	19	18.88	155	13.60	6.69	36	6	.12	.5	.8	SF2	1.6X	71	3
2008	OCT	16	0635	45.15	19	16.30	155	28.57	7.81	22	3	.14	.4	1.2	LSW	1.2X	60	4
2008	OCT	16	0719	14.16	19	21.75	155	1.86	8.48	37	7	.12	.8	.5	SF5	1.9X	186	7
2008	OCT	16	0800	25.09	19	24.37	155	16.26	1.11	18	4	.15	.2	.3	SECB	1.7X	130	1
2008	OCT	16	0937	50.85	19	20.87	155	5.70	8.40	29	6	.09	.5	.6	SF4	1.6X	155	6
2008	OCT	16	1011	14.31	18	48.76	155	29.34	29.34	31	5	.09	1.5	2.0	DLS	1.9X	280	27
2008	OCT	16	1222	43.18	19	19.55	155	11.92	6.33	35	7	.11	.4	.9	SF3	1.5X	91	5
2008	OCT	16	1308	53.86	19	24.23	155	16.90	1.42	16	4	.10	.3	.2	SSCB	1.5X	108	1
2008	OCT	16	1459	59.16	19	20.91	155	6.00	8.87	40	7	.10	.5	.4	SF4	2.4X	150	5
2008	OCT	17	0057	8.68	19	28.89	155	26.53	9.41	17	5	.13	.5	1.4	KAO	1.4X	91	6
2008	OCT	17	0406	17.50	19	48.36	155	49.91	10.40	19	3	.09	1.1	.6	HUA	1.4X	247	13
2008	OCT	17	0815	39.41	19	12.28	155	31.25	32.50	30	7	.10	.8	1.5	DLS	1.5X	151	6
2008	OCT	17	1908	33.13	19	19.00	155	8.82	9.48	35	7	.10	.4	.6	SF4	1.4X	96	3
2008	OCT	17	2046	50.85	19	19.12	155	8.87	9.06	37	9	.09	.5	.7	SF4	1.4X	95	4
2008	OCT	18	0336	7.18	19	24.18	155	16.81	1.51	18	3	.12	.3	.2	SSCB	1.7X	108	1
2008	OCT	18	0451	45.54	19	42.97	156	6.20	6.26	20	2	.11	1.9	.7	HUA	1.6X	290	28
2008	OCT	18	0618	51.36	19	21.40	155	5.92	8.17	4310	.11	.4	.4	SF4	2.0X	145	5	
2008	OCT	18	1340	48.27	19	26.31	155	24.91	7.37	17	4	.09	.5	1.5	KAO	1.2X	74	7
2008	OCT	18	1949	40.78	19	55.44	155	2.43	42.29	37	8	.10	1.0	1.5	KEA	1.9X	262	25
2008	OCT	19	0210	13.07	19	13.43	155	29.49	29.93	23	4	.09	.9	1.8	DLS	1.4X	97	3
2008	OCT	19	0314	47.52	19	2.70	155	23.25	38.97	33	6	.09	.9	1.5	LOI	1.5X	211	15
2008	OCT	19	0350	51.34	19	34.49	155	39.34	9.71	21	4	.11	.6	1.6	MLO	1.5X	135	11
2008	OCT	19	0353	53.54	19	3.37	155	23.05	38.95	43	7	.09	.8	1.3	LOI	2.1X	208	14
2008	OCT	19	0356	32.33	19	3.30	155	23.16	37.98	37	7	.08	.9	1.4	LOI	1.6X	209	14
2008	OCT	19	0652	31.79	19	18.32	155	13.18	5.46	33	5	.12	.5	1.1	SF2	1.6X	91	2
2008	OCT	19	2305	59.73	19	24.93	155	29.2										

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	OCT	20	1923	12.41	19	3.91	155	23.25	35.17	28	3	.08	.9	1.7	LOI	1.3X	213	13
2008	OCT	20	2019	35.48	19	3.74	155	23.06	36.30	31	6	.11	.9	1.8	LOI	1.4X	220	14
2008	OCT	20	2223	20.96	19	25.85	155	24.13	9.87	35	6	.11	.4	.8	KAO	1.8X	44	7
2008	OCT	21	0209	24.41	18	59.28	155	28.30	42.03	4611	.08	.8	1.1	DLS	2.1X	222	19	
2008	OCT	21	0353	46.59	19	20.20	155	6.80	7.78	33	4	.09	.4	.5	SF4	1.3X	144	6
2008	OCT	21	0450	14.60	19	22.24	155	32.42	23.91	25	4	.08	.5	1.0	DML	1.4X	90	5
2008	OCT	21	0630	26.86	19	28.09	155	36.37	1.94	15	4	.12	.6	.3	MLO	1.4X	177	2
2008	OCT	21	0856	51.50	19	19.60	155	7.66	8.52	33	7	.10	.5	.6	SF4	1.8X	157	4
2008	OCT	21	1249	46.41	19	26.15	155	49.15	5.92	29	5	.12	.4	1.0	KON	1.8X	103	10
2008	OCT	21	1725	49.60	19	55.93	155	35.02	40.47	29	5	.10	1.1	1.3	KOH	1.7X	272	11
2008	OCT	21	1840	26.79	19	20.10	155	7.89	7.90	4510	.10	.3	.4	SF4	2.1X	123	5	
2008	OCT	21	2145	29.73	19	15.63	155	33.85	7.14	35	6	.14	.4	1.2	LSW	1.5X	104	7
2008	OCT	22	0435	36.14	20	1.80	155	46.27	32.07	47	9	.10	.7	1.3	KOHF	2.5X	161	11
2008	OCT	22	0511	51.52	19	19.65	155	10.65	7.72	31	8	.07	.4	.7	SF3	1.2X	95	6
2008	OCT	22	1331	56.84	19	59.93	155	35.79	13.42	17	4	.12	.9	.5	KOH	1.6X	167	17
2008	OCT	22	1923	19.68	19	17.49	155	14.65	10.49	24	4	.12	.6	1.0	SF1	1.3X	126	2
2008	OCT	22	2039	33.19	19	27.73	155	27.65	10.80	17	4	.13	.6	1.5	KAO	1.4X	84	8
2008	OCT	22	2219	56.86	19	30.42	155	29.22	6.84	16	5	.10	.4	1.8	MLO	1.1X	100	4
2008	OCT	23	0012	2.62	19	17.93	155	21.72	8.44	43	5	.12	.3	.5	SWR	1.7X	116	5
2008	OCT	23	0649	17.32	19	20.59	155	19.07	30.10	24	4	.12	.8	1.5	DEP	1.4X	48	5
2008	OCT	23	1222	40.16	19	30.12	155	27.40	4.97	16	4	.09	.4	1.5	MLO	1.5X	101	3
2008	OCT	23	1429	51.82	20	22.62	155	39.57	25.01	12	.08	12.5	9.2	KOH	-	1.9X	323	57
2008	OCT	23	1438	26.60	19	31.17	155	21.87	14.00	18	4	.11	.9	1.0	DML	1.4X	197	4
2008	OCT	23	1555	49.58	19	28.64	155	26.68	9.60	21	6	.10	.4	1.1	KAO	1.8X	85	6
2008	OCT	23	1742	13.74	19	21.17	155	0.41	6.91	33	8	.11	.6	.6	SF5	1.7X	205	8
2008	OCT	24	0051	21.25	19	20.37	155	9.67	8.35	34	7	.08	.4	.5	SF3	1.5X	86	5
2008	OCT	24	0345	42.49	19	18.96	155	8.87	7.43	28	4	.11	.5	.6	SF4	1.3X	96	3
2008	OCT	24	0830	51.68	19	27.77	155	23.71	6.14	23	5	.13	.4	1.2	KAO	1.6X	80	4
2008	OCT	24	0853	52.45	19	21.92	155	30.11	10.14	31	5	.08	.4	.9	KAO	1.5X	49	4
2008	OCT	24	1204	2.90	19	19.04	155	8.81	7.62	32	6	.10	.5	.8	SF4	1.8X	118	3
2008	OCT	24	2324	39.60	19	58.60	155	30.43	37.48	33	4	.09	1.0	1.4	KEA	1.8X	178	20
2008	OCT	25	0010	3.87	19	20.22	155	12.74	8.88	4812	.11	.3	.3	SF2	2.1X	71	4	
2008	OCT	25	0023	31.22	19	57.92	155	30.69	37.04	5414	.09	.6	1.1	KEAF	2.6X	172	19	
2008	OCT	25	0028	25.79	19	57.38	155	30.19	35.51	18	3	.08	.9	1.5	KEA	1.6X	236	18
2008	OCT	25	0430	31.64	19	22.46	155	1.89	8.04	31	7	.11	.6	.6	SF5	1.5X	178	6
2008	OCT	25	0913	19.41	19	13.22	155	27.73	8.28	29	4	.14	.5	.9	LSW	1.5X	106	5
2008	OCT	25	1229	40.32	19	14.12	155	14.52	7.31	24	5	.11	.8	1.5	SF2	1.3X	226	6
2008	OCT	25	1338	35.59	19	24.47	155	16.75	1.84	30	8	.12	.3	.2	SSCB	2.0X	125	1
2008	OCT	25	1459	35.62	19	27.53	155	48.64	10.99	27	5	.17	.7	.6	KON	1.4X	113	7
2008	OCT	25	1837	11.32	19	25.08	155	19.85	3.52	17	4	.11	.4	.7	KAO	1.2X	115	3
2008	OCT	25	1917	58.99	19	53.16	156	4.40	33.92	27	5	.12	1.1	1.9	HUA	1.9X	246	33
2008	OCT	25	2124	46.91	19	59.88	155	28.06	39.33	40	7	.10	.8	1.3	KEA	2.0X	191	18
2008	OCT	25	2158	11.53	19	38.91	155	37.77	12.53	30	4	.12	.5	.5	KEA	1.3X	71	16
2008	OCT	26	0219	23.77	19	22.95	155	30.36	8.72	36	5	.11	.3	.7	KAO	1.4X	50	5
2008	OCT	26	0257	33.53	19	20.23	155	6.91	6.02	24	5	.13	.6	1.2	SF4	1.2X	142	6

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN		
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS	
2008	OCT	26	0401	28.23	19	11.87	155	25.16	35.75	25	3	.10	.9	1.8	DLS	1.5X	163	5	
2008	OCT	26	0706	9.95	19	22.47	155	30.32	11.11	34	7	.10	.4	.9	KAO	1.5X	51	5	
2008	OCT	26	0905	1.05	19	26.91	154	41.46	32.38	35	6	.12	1.6	1.8	LER	2.0X	301	24	
2008	OCT	26	1405	49.73	19	23.16	155	2.12	8.67	38	9	.11	.6	.4	SF5	1.9X	166	5	
2008	OCT	26	1502	33.15	19	16.50	155	29.95	11.08	28	4	.10	.4	1.0	LSW	1.5X	58	3	
2008	OCT	26	2329	6.47	19	30.27	155	26.75	4.17	17	4	.12	.4	1.3	MLO	1.5X	100	4	
2008	OCT	27	0001	30.02	19	30.18	155	24.42	15.17	4611	.11	.3	.3	DML	1.7X	52	2		
2008	OCT	27	0342	54.09	19	17.78	155	29.68	9.15	31	4	.11	.4	.9	LSW	1.3X	52	5	
2008	OCT	27	1045	36.70	19	12.50	155	31.57	37.13	27	4	.07	.9	1.6	DLS	1.8X	106	5	
2008	OCT	27	1052	12.47	19	12.57	155	31.38	37.16	25	4	.08	1.0	1.9	DLS	1.4X	186	5	
2008	OCT	27	1423	48.59	19	24.07	155	17.06	2.35	18	4	.13	.4	.3	SSCB	2.0X	97	1	
2008	OCT	28	0720	42.38	20	17.72	156	5.25	19.16	19	1	.09	4.6	9.8	KOH	-	2.1X	321	37
2008	OCT	28	0851	39.42	19	30.02	155	25.04	7.55	16	3	.11	.6	1.1	MLO	1.2X	128	3	
2008	OCT	28	1205	21.86	19	29.21	155	27.00	8.23	31	4	.13	.4	1.1	KAO	1.6X	74	5	
2008	OCT	28	1815	48.95	19	29.06	155	27.13	5.59	18	4	.09	.4	2.2	KAO	1.6X	87	6	
2008	OCT	28	1849	15.40	18	59.85	155	28.19	41.66	43	8	.09	.9	1.3	DLS	2.4X	218	18	
2008	OCT	29	0219	15.34	19	59.18	155	50.71	16.59	21	1	.08	3.8	9.7	KOH	-	1.8X	213	17
2008	OCT	29	0225	37.46	19	13.59	155	36.69	6.91	23	2	.15	.5	1.5	LSW	1.6X	78	12	
2008	OCT	29	0244	11.14	19	19.87	155	8.32	8.10	27	3	.09	.6	.8	SF4	1.3X	112	5	
2008	OCT	29	0531	32.13	20	4.44	155	59.48	14.82	31	1	.12	4.7	2.0	KOHF	2.1X	261	23	
2008	OCT	29	0621	54.94	19	8.61	155	37.37	7.74	21	2	.09	.4	1.3	LSW	1.4X	112	15	
2008	OCT	29	1059	5.37	19	19.49	155	11.48	7.31	32	5	.07	.4	.7	SF3	1.6X	96	6	
2008	OCT	29	1647	0.60	19	32.56	155	42.59	7.99	26	4	.12	.5	1.0	MLO	1.8X	113	7	
2008	OCT	29	1843	58.25	20	7.73	155	58.64	16.51	42	5	.12	1.3	7.6	KOHF	2.5X	276	21	
2008	OCT	29	2009	41.18	19	20.50	155	7.46	8.17	37	6	.11	.4	.5	SF4	2.0X	129	5	
2008	OCT	29	2240	46.68	19	24.75	155	20.12	6.83	26	7	.10	.4	.9	KAO	1.7X	104	2	
2008	OCT	30	0238	19.63	19	8.56	155	36.60	2.39	23	3	.14	.5	1.3	LSW	1.4X	117	15	
2008	OCT	30	0556	13.38	18	59.10	155	28.60	42.77	27	4	.07	1.2	2.0	DLS	1.6X	255	19	
2008	OCT	30	1158	11.28	19	28.56	155	27.37	8.08	31	6	.13	.4	1.2	KAO	1.6X	72	6	
2008	OCT	30	1743	27.05	19	2.20	155	22.78	35.60	32	5	.07	.9	1.5	LOI	1.9X	214	16	
2008	OCT	30	2139	53.50	19	21.93	155	28.10	9.01	38	7	.11	.4	.6	KAO	2.0X	60	1	
2008	OCT	30	2222	37.45	19	27.15	155	29.75	15.38	16	3	.12	.7	1.5	DML	1.6X	73	7	
2008	OCT	30	2222	52.3															

---ORIGIN TIME (HST)---LAT N---LON W---DEPTHN N RMSERHERZ LOC PREF AZ MIN													YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKSMAG GAP DS												
2008	NOV	2	0701	48.68	19	19.15	155	8.50	9.54	46	9	.10	.5	.4	SF4	2.7X	106	3							
2008	NOV	2	0901	17.78	19	19.15	154	59.42	39.79	35	6	.10	.9	.9	LER	1.7X	226	11							
2008	NOV	2	1527	2.59	19	19.63	155	7.20	8.90	42	9	.11	.5	.4	SF4	2.5X	143	4							
2008	NOV	2	1623	13.94	19	14.37	155	28.46	35.65	35	3	.09	.6	1.3	DLS	1.9X	83	3							
2008	NOV	2	1732	15.95	19	28.72	155	27.42	9.04	4410		.11	.3	.8	KAO	2.1X	47	6							
2008	NOV	3	0329	31.96	19	54.30	156	0.77	35.73	32		.08	2.4	2.0	HUA	1.9X	236	30							
2008	NOV	3	0935	53.87	19	26.37	155	19.63	8.63	19	3	.11	.6	1.1	KAO	1.2X	150	4							
2008	NOV	3	1255	44.66	19	52.27	156	2.94	42.89	20	3	.07	2.5	2.7	HUA	1.7X	312	50							
2008	NOV	3	1457	38.15	19	31.13	155	28.23	4.87	13	3	.09	.4	1.1	MLO	1.4X	95	2							
2008	NOV	3	1459	18.89	19	18.80	155	15.34	7.60	28	2	.10	.5	1.1	SF1	1.4X	98	5							
2008	NOV	4	0042	27.43	19	18.24	154	58.42	42.51	31	2	.10	1.6	1.5	LER	1.9X	242	13							
2008	NOV	4	0403	53.67	19	25.27	155	26.67	1.86	15	3	.08	.4	1.2	KAO	1.0X	68	5							
2008	NOV	4	0838	59.19	19	18.43	154	59.20	40.75	38	6	.09	.9	1.0	LER	2.1X	230	12							
2008	NOV	4	1133	4.84	19	52.25	156	3.70	45.95	21	3	.09	1.6	1.8	HUA	1.8X	262	31							
2008	NOV	4	1248	15.04	19	20.84	155	13.17	7.44	28	5	.13	.5	.8	SF2	1.3X	61	3							
2008	NOV	4	1345	24.24	18	59.68	155	28.33	41.72	4610		.08	.8	1.1	DLS	2.5X	219	18							
2008	NOV	4	1453	54.32	18	51.07	154	53.60	46.03	37	5	.11	1.6	2.2	DIS	2.1X	289	55							
2008	NOV	4	1710	1.22	19	47.35	155	20.62	26.37	24	2	.11	1.0	2.5	KEA	1.6X	141	11							
2008	NOV	4	1746	36.32	19	21.68	155	30.04	9.52	42	8	.10	.4	.5	KAO	2.0X	50	5							
2008	NOV	4	1818	7.17	19	14.87	155	16.06	30.06	39	7	.10	.7	.8	DEP	2.2X	194	6							
2008	NOV	4	2343	14.83	19	19.42	155	13.61	8.10	38	5	.13	.5	.6	SF2	1.9X	67	4							
2008	NOV	4	2348	13.24	19	19.24	155	13.58	8.23	40	5	.12	.5	.4	SF2	1.7X	68	4							
2008	NOV	5	0005	12.96	19	13.20	155	36.92	5.80	36	4	.15	.4	1.4	LSW	1.6X	80	12							
2008	NOV	5	0021	0.74	19	21.83	155	30.18	8.02	26	4	.11	.4	1.0	KAO	1.0X	51	5							
2008	NOV	5	0426	9.47	19	26.59	155	29.81	9.47	20	4	.10	.4	1.1	KAO	1.1X	68	6							
2008	NOV	5	0913	42.18	19	14.51	155	28.84	8.23	27	3	.13	.4	1.0	LSW	1.1X	83	2							
2008	NOV	5	1017	33.10	19	26.67	155	30.43	13.88	23	4	.10	.5	1.2	DML	1.3X	70	5							
2008	NOV	5	1036	35.82	19	25.93	155	24.10	7.24	20	5	.13	.4	1.6	KAO	1.3X	83	7							
2008	NOV	5	1638	50.75	19	21.98	155	4.69	7.04	25	4	.13	.7	1.0	SF5	1.6X	154	4							
2008	NOV	5	1743	8.83	19	24.73	155	36.87	2.56	15	3	.10	.4	.4	MLO	1.0X	94	2							
2008	NOV	6	0102	3.95	19	43.10	154	58.07	32.10	26	3	.09	1.4	1.3	HIL	1.3X	247	7							
2008	NOV	6	0334	9.24	19	25.08	155	24.04	8.75	29	3	.12	.4	1.0	KAO	1.1X	78	8							
2008	NOV	6	1234	0.59	19	20.12	155	6.87	6.05	22	3	.12	.6	1.4	SF4	1.3X	175	5							
2008	NOV	6	1356	35.52	19	29.25	155	26.85	9.09	15	3	.07	.5	1.4	KAO	1.3X	95	5							
2008	NOV	6	1922	28.60	19	21.51	155	4.75	8.79	37	9	.11	.6	.4	SF5	2.1X	160	5							
2008	NOV	6	2226	9.87	19	33.53	155	43.80	12.28	24	4	.11	.6	.6	KON	1.4X	108	7							
2008	NOV	7	0328	17.54	19	47.54	155	34.45	13.63	16	4	.11	.6	.8	KEA	1.2X	115	12							
2008	NOV	7	0639	23.42	19	16.94	155	30.27	9.90	35	2	.12	.4	.6	LSW	1.8X	68	3							
2008	NOV	7	0641	51.13	19	16.78	155	30.44	12.31	34	4	.10	.4	.6	LSW	1.9X	74	3							
2008	NOV	7	0729	0.39	19	31.59	155	21.50	11.07	26	3	.12	.4	.9	MLO	1.6X	58	5							
2008	NOV	7	1052	34.64	19	20.15	155	21.15	32.15	5011		.10	.5	.8	DEPF	2.8X	74	4							
2008	NOV	7	1229	56.65	19	24.10	155	30.15	9.73	33	2	.12	.4	.9	KAO	1.7X	47	5							
2008	NOV	7	1557	56.70	19	18.03	155	28.60	10.14	17	1	.12	.6	1.3	LSW	1.4X	77	6							
2008	NOV	7	1611	28.18	19	30.24	155	52.27	24.35	25	4	.10	1.1	1.2	KON	1.7X	161	5							
2008	NOV	7	1814	57.63	19	18.41	156	18.49	38.35	46	8	.10	1.3	1.6	KON	2.8X	273	46							

---ORIGIN TIME (HST)---LAT N---LON W---DEPTHN N RMSERHERZ LOC PREF AZ MIN													YEAR MON DA HRMN SEC DEG MIN DEG MIN KM RD S SEC KM KM REMKSMAG GAP DS												
2008	NOV	7	2223	22.66	19	18.76	155	15.56	7.00	38	3	.12	.4	.7	SF1	1.9X	99	5							
2008	NOV	8	0100	32.52	19	26.03	155	21.43	9.24	25	3	.12	.4	.8	KAO	1.3X	124	5							
2008	NOV	8	0419	54.82	19	19.61	155	10.76	5.49	24	2	.09	.4	1.1	SF3	1.3X	95	6							
2008	NOV	8	0852	7.69	19	11.95	155	26.07	45.67	24	1	.09	1.2	1.9	DLS	1.5X	143	6							
2008	NOV	8	0942	13.30	18	58.79	155	28.09	42.36	28	2	.08	1.5	1.8	DLS	1.9X	226	20							
2008	NOV	8	1643	7.72	19	20.27	155	11.74	5.74	34	3	.13	.4	.8	SF3	1.7X	78	5							
2008	NOV	8	1709	0.19	19	29.06	155	27.02	9.92	13	2	.12	.6	1.6	KAO	1.5X	89	6							
2008	NOV	8	1938	53.56	19	19.61	155	7.89	6.99	30	4	.09	.4	.7	SF4	1.7X	125	4							
2008	NOV	8	2358	10.83	19	19.17	154	59.28	39.46	27	3	.10	1.2	1.4	LER	2.1X	227	11							
2008	NOV	9	0214	52.44	19	29.52	155	26.13	6.85	14	2	.11	.6	1.9	KAO	1.7X	106	5							
2008	NOV	9	0856	0.92	19	55.24	155	17.26	37.90	25	2	.10	1.0	1.7	KEA	2.0X	196	7							
2008	NOV	9	0948	33.50	19	14.26	155	29.04	7.37	22	1	.11	.5	.9	LSW	1.8X	134	2							
2008	NOV	9	1159	23.31	19	3.68	155	22.94	38.02	47	7	.10	.8	1.2	LOI	2.4X	207	14							
2008	NOV	9	1506	49.61	19	10.66	155	37.30	0.02	30	3	.18	.5	.6	LSW #	1.8X	97	15							
2008	NOV	10	0710	38.63	19	47.49	156	0.34	11.60	11	1	.10	2.0	1.4	HUA	1.6X	226	37							
2008	NOV	10	0909	22.15	18	57.57	155	33.84	41.15	32	3	.09	1.1	1.6	DLS	2.3X	233	12							
2008	NOV	10	1048	6.22	19	19.71	155	8.01	7.77	42	7	.12	.4	.5	SF4	2.4X	120	4							
2008	NOV	10	1820	59.09	19	15.48	155	22.17	35.31	26	2	.10	1.0	1.6	DEP	1.7X	141	4							
2008	NOV	10	2213	22.82	19	21.84	155	25.73	9.73	24	1	.11	.4	.8	KAO	1.3X	55	4							
2008	NOV	11	0158	47.67	19	20.00	155	6.66	7.41	23	3	.11	.6	.9	SF4	1.7X	150	5							
2008	NOV	11	0208	17.34																					

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	NOV	18	1206	20.96	19	29.12	155	27.32	7.67	13	2	.14	.6	2.0	KAO	1.7U	85	5
2008	NOV	18	1426	18.69	19	33.23	155	18.37	28.16	12	2	.11	2.8	2.1	DEP	1.6X	247	11
2008	NOV	18	1455	23.49	19	33.04	155	44.19	10.18	19	3	.14	.6	1.2	KON	1.3X	111	5
2008	NOV	18	2114	36.10	19	28.04	155	23.77	10.11	32	4	.14	.4	.8	KAO	1.6X	41	3
2008	NOV	18	2349	57.41	19	19.49	155	9.36	5.71	29	2	.10	.5	1.0	SF3	1.4X	91	5
2008	NOV	19	1144	53.57	19	22.51	155	25.46	11.29	23	1	.11	.5	1.0	KAO	1.6X	53	4
2008	NOV	20	0209	23.45	19	33.01	155	36.79	7.63	19	1	.13	.5	1.5	MLO	1.5X	94	7
2008	NOV	20	0321	23.56	19	26.25	155	37.62	2.68	16	2	.11	.7	.5	MLO	1.5X	181	3
2008	NOV	20	2225	11.56	19	26.27	154	56.10	6.63	22	2	.12	1.6	.9	LER	1.5X	208	3
2008	NOV	21	0248	9.60	19	9.15	155	32.18	1.08	21	2	.13	.5	1.1	LSW	1.5X	132	8
2008	NOV	21	1304	20.73	19	25.59	155	20.11	8.52	13	2	.12	.7	1.5	KAO	1.4X	129	4
2008	NOV	21	1716	4.81	19	19.93	155	6.67	6.32	27	2	.13	.6	1.2	SF4	1.5X	151	5
2008	NOV	21	2213	17.01	18	59.39	155	26.12	42.79	20	2	.10	1.8	1.6	DLS	1.5X	249	19
2008	NOV	22	0110	41.09	19	30.75	155	26.30	4.70	10	2	.11	.6	1.5	MLO	1.2X	133	3
2008	NOV	22	0821	21.40	19	10.44	155	40.99	4.75	31	2	.21	.6	3.6	LSW	1.8X	82	9
2008	NOV	22	0958	15.00	19	21.77	155	14.07	11.79	26	3	.11	.7	.7	SF2	1.7X	97	2
2008	NOV	22	1116	59.33	19	1.82	155	22.65	37.22	28	3	.09	1.3	1.2	LOI	1.7X	216	17
2008	NOV	22	1211	12.46	19	2.54	155	23.03	37.09	29	2	.08	1.0	1.7	LOI	1.6X	212	15
2008	NOV	22	1627	0.49	19	20.43	155	10.78	8.42	31	4	.10	.4	.5	SF3	2.1X	79	4
2008	NOV	22	1853	35.60	19	10.84	155	19.92	47.08	23	1	.11	1.3	2.6	DEP	2.2X	200	10
2008	NOV	22	1902	8.39	19	28.24	155	51.51	9.28	38	5	.14	.5	.4	KONF	2.2X	104	7
2008	NOV	22	2326	31.90	19	2.66	155	22.97	37.38	41	5	.09	.9	1.4	LOI	2.4X	212	15
2008	NOV	23	0005	56.11	18	59.95	155	28.99	40.89	26	2	.07	1.9	1.7	DLS	2.2X	237	18
2008	NOV	23	0019	52.25	19	29.07	155	27.78	8.34	14	2	.13	.6	1.8	KAO	1.6X	87	5
2008	NOV	23	0834	22.51	19	19.82	155	11.39	6.84	26	2	.12	.5	1.0	SF3	2.0X	89	6
2008	NOV	23	2116	6.92	19	26.16	155	23.70	1.11	12	2	.08	.4	1.2	KAO	1.1X	92	7
2008	NOV	23	2238	10.38	19	27.80	155	28.65	8.96	13	2	.07	.5	1.4	KAO	1.2X	97	8
2008	NOV	24	0302	19.45	19	14.25	155	28.25	41.90	12		.08	1.8	5.8	DLST		121	4
2008	NOV	24	0354	30.34	19	11.55	155	24.83	36.47	36	1	.10	.8	1.4	DEP	1.7X	167	5
2008	NOV	24	0755	18.01	19	26.14	155	22.89	9.36	36	5	.11	.4	.7	KAO	1.8X	47	7
2008	NOV	24	1640	11.76	19	16.75	155	26.36	9.98	47	9	.15	.4	.6	LSW	2.5X	55	6
2008	NOV	24	1821	57.18	19	12.13	155	27.21	1.38	39	4	.15	.4	.8	LSW	2.0X	120	5
2008	NOV	24	1834	34.25	20	3.19	155	35.06	0.89	19	2	.14	.7	1.2	KOH	2.1X	190	22
2008	NOV	24	2215	11.72	20	1.19	155	33.87	3.50	9	1	.09	1.0	4.4	KEA	2.1X	182	20
2008	NOV	24	2253	23.61	19	59.53	155	15.82	13.67	10	1	.08	1.9	.6	KEA	1.4X	251	14
2008	NOV	25	0005	44.32	18	59.09	155	31.67	39.10	32	2	.07	1.1	1.5	DLS	1.9X	219	15
2008	NOV	25	0030	55.25	19	22.09	155	14.11	12.32	40	9	.11	.5	.4	INT	1.7X	54	2
2008	NOV	25	0040	34.84	19	21.51	155	14.06	11.66	29	2	.09	.6	.5	SF2	1.6X	96	3
2008	NOV	25	0917	41.73	19	12.90	155	27.19	44.75	38	2	.08	.8	1.4	DLS	2.0X	115	6
2008	NOV	25	1234	47.72	19	10.83	155	28.46	34.79	24	2	.06	.7	1.6	DLS	1.8X	91	3
2008	NOV	25	1320	52.16	19	13.87	155	33.43	6.55	18	1	.14	.5	2.2	LSW	1.7X	75	6
2008	NOV	25	1410	27.34	20	46.91	154	50.51	15.30	26	4	.13	6.6	11.6	DIS	2.7X	310	112
2008	NOV	25	1926	26.95	19	18.38	155	19.68	6.76	19	1	.10	.5	.9	SWR	1.3X	114	2
2008	NOV	26	1436	15.39	19	47.70	156	5.04	31.76	17	1	.10	3.9	3.3	HUA	2.2X	241	28
2008	NOV	26	1506	5.38	19	19.10	155	15.45	6.28	29	3	.10	.4	.9	SF1	1.6X	103	5

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	NOV	26	1830	54.11	19	19.18	155	8.69	7.07	29	3	.10	.5	.9	SF4	1.8X	102	4
2008	NOV	27	0530	58.66	19	18.97	155	13.46	6.98	35	3	.12	.5	.6	SF2	1.7X	74	4
2008	NOV	27	1353	33.25	19	30.65	155	24.01	14.13	18	3	.13	.6	.9	DML	1.3X	131	2
2008	NOV	27	1532	27.22	19	24.69	155	29.85	8.58	21	1	.11	.4	1.1	KAO	1.3X	66	6
2008	NOV	27	1608	29.14	19	18.93	155	13.55	7.27	38	7	.11	.4	.5	SF2	2.0X	71	4
2008	NOV	27	2214	40.51	19	21.97	155	13.99	12.26	33	3	.11	.5	.4	SF2	1.8X	53	2
2008	NOV	27	2345	37.37	19	20.11	155	12.95	5.77	27	1	.11	.4	.8	SF2	1.3X	70	5
2008	NOV	28	0102	16.61	19	20.40	155	7.11	5.50	32	4	.15	.6	.9	SF4	1.8X	138	5
2008	NOV	28	0619	6.79	19	16.83	155	13.76	3.99	20		.07	.6	.6	SSF	1.6X	172	1
2008	NOV	28	0910	21.35	20	9.50	155	33.51	20.16	16		.08	2.2	7.0	KEA	1.5X	237	23
2008	NOV	28	1930	3.85	19	15.19	155	21.98	3.71	26		.15	.6	1.5	SWR	1.3X	145	4
2008	NOV	28	2026	56.97	19	22.46	155	14.08	12.67	40	6	.12	.4	.3	INT	2.0X	51	2
2008	NOV	28	2029	7.40	19	22.29	155	14.17	12.50	37	7	.10	.5	.3	INT	1.9X	53	2
2008	NOV	29	0752	38.38	19	16.02	155	6.76	43.94	42	7	.09	.8	1.0	DEP	2.2X	210	3
2008	NOV	29	1402	47.23	19	25.52	155	20.24	7.24	10	1	.09	1.0	2.2	KAO	1.6X	126	3
2008	NOV	29	1924	48.60	19	23.26	155	30.44	9.63	34	2	.12	.4	.8	KAO	1.5X	50	5
2008	NOV	30	0645	9.84	19	17.71	155	28.47	7.36	25	1	.15	.5	.9	LSW	1.4X	48	6
2008	NOV	30	1026	8.34	19	11.46	155	12.65	49.92	42	5	.10	.9	1.4	DEP	2.4X	200	10
2008	DEC	1	0334	34.44	19	24.38	155	16.91	2.08	11	1	.06	.4	.3	SSCL	1.5X	115	1
2008	DEC	1	0449	10.46	19	23.60	155	16.41	3.30	8	1	.07	.5	.6	SECL	1.1X	92	1
2008	DEC	1	0605	13.34	20	3.80	155	22.57	8.22	15	2	.08	1.4	.7	KEA	1.5X	217	20
2008	DEC	1	0645	30.91	19	26.59	155	29.06	9.49	30	3	.12	.4	.9	KAO	1.8X	53	7
2008	DEC	1	0916	21.28	19	20.93	155	2.47	0.16	6		.08	.9	6.6	SSFB#	2.3X	196	7
2008	DEC	1	1013	46.67	19	13.03	155	34.58	4.14	22	2	.14	.5	6.7	LSW	1.8X	83	9
2008	DEC	1	1141	10.87	19	23.46	155	17.40	3.94	9	1	.05	.6	.7	SSCL	1.5X	151	1
2008	DEC	1	1400	59.70	19	21.71	155	5.11	6.59	25	1	.10	.5	.7	SF5	1.5X	152	5
2008	DEC	1	2109	47.36	19	51.53	156	0.54	42.21	35	3	.08	.9	1.4	HUA	1.9X	231	26
2008	DEC	1	2131	51.07	19	24.16	155	17.97	9.28	8	1	.04	1.5	2.4	INTL	1.6X	124	2
2008	DEC	1	2135	29.70	19	24.29	155	16.83	4.56	11	1	.06	.6	.8	SSCL	1.6X	113	1
2008	DEC	2	0129	44.25	19	23.69	155	16.87	4.37	11	1	.03	.6	.7	SSCL	1.7X	72	1
2008	DEC	2	0307	3.26	18	50.59	155	22.91	24.36	29	2	.07	1.8	3.3	LOI	1.8X	262	34
2008	DEC	2	0346	46.48	19	24.60	155	16.32	2.34	12	2	.06	.4	.4	SNCL	1.9X	138	1
2008	DEC	2	0350	14.77	19	23.77	155	16.68	2.00	11	1	.10	.4	.3	SSCL</			

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	DEC	3	0512	33.07	19	25.64	155	17.60	4.34	10	1	.06	1.3	.5	SNCL	1.7X	241	0
2008	DEC	3	0641	56.89	19	25.47	155	16.64	4.58	8	1	.08	1.3	1.0	SNCL	1.4X	203	2
2008	DEC	3	0648	15.80	19	24.26	155	17.09	4.37	8	1	.07	.8	1.0	SSCL	1.4X	102	1
2008	DEC	3	0923	15.18	19	20.05	155	7.80	7.91	33	5	.09	.4	.4	SF4	2.2X	125	5
2008	DEC	3	1017	19.16	19	19.90	155	7.91	8.21	33	3	.08	.5	.5	SF4	2.2X	122	5
2008	DEC	3	1020	57.55	19	20.45	155	27.04	10.91	21	1	.12	.5	.9	KAO	1.5X	47	4
2008	DEC	3	1309	16.97	19	54.18	155	9.63	41.26	28	1	.09	1.7	2.5	KEA	2.2X	246	19
2008	DEC	3	1403	41.31	19	24.25	155	16.93	5.01	8	1	.04	.8	1.2	INTL	2.1X	108	1
2008	DEC	3	1547	36.00	19	18.98	155	15.03	7.63	36	5	.11	.4	.7	SF1	1.9X	91	5
2008	DEC	3	1837	24.02	19	24.10	155	16.94	1.69	9	1	.09	.4	.3	SSCL	1.3X	101	1
2008	DEC	3	1929	22.47	19	30.15	155	42.48	7.36	26	4	.15	.6	1.4	MLO	1.4X	73	6
2008	DEC	3	2340	30.85	19	19.77	155	11.08	6.80	19	2	.12	.6	1.2	SF3	1.3X	91	6
2008	DEC	4	0132	34.55	19	24.33	155	17.00	1.51	19	4	.08	.3	.2	SSC	1.8X	109	1
2008	DEC	4	0328	9.21	19	24.43	155	17.03	1.58	19	4	.08	.3	.2	SSC	1.8X	113	1
2008	DEC	4	0824	51.88	19	24.33	155	17.07	1.63	18	4	.06	.2	.2	SSC	1.7X	107	2
2008	DEC	4	0843	1.12	19	24.18	155	16.91	1.91	7	1	.06	.7	.5	SSCL	1.2X	149	1
2008	DEC	4	0914	26.16	19	23.72	155	16.64	0.03	9	1	.06	.2	.2	SSCL	2.0X	69	0
2008	DEC	4	0944	19.89	19	21.58	155	15.31	1.75	9	1	.04	.4	.6	KOA	1.3X	98	2
2008	DEC	4	1207	40.29	19	25.70	155	30.19	11.11	20	1	.08	.4	1.2	KAO	1.4X	67	7
2008	DEC	4	1501	39.18	19	24.09	155	16.22	3.17	8	1	.08	.6	.7	SECL	1.3X	115	1
2008	DEC	4	1501	55.38	19	23.98	155	16.73	1.92	9	1	.05	.4	.3	SSCL	1.3X	102	0
2008	DEC	4	1503	52.96	19	23.87	155	16.41	2.51	10	1	.07	.3	.3	SECL	1.2X	103	0
2008	DEC	4	1732	24.05	19	11.28	155	28.51	36.12	21	1	.09	1.0	2.1	DLS	1.2X	102	3
2008	DEC	4	2010	2.69	19	24.27	155	16.78	3.10	9	1	.04	.5	.5	SSCL	1.3X	113	1
2008	DEC	4	2046	7.93	19	24.49	155	16.90	2.55	10	1	.07	.5	.5	SSCL	1.3X	121	1
2008	DEC	4	2158	49.83	19	24.54	155	16.28	7.83	8	1	.05	1.4	2.6	INTL	1.3X	140	1
2008	DEC	4	2322	46.36	19	24.01	155	16.96	1.52	14	2	.05	.3	.2	SSCL	1.5X	98	1
2008	DEC	5	0158	46.57	19	23.13	155	17.14	2.57	7	1	.05	1.4	.5	SSCL	1.2X	229	1
2008	DEC	5	0206	24.08	19	24.04	155	17.10	2.15	10	1	.07	.4	.3	SSCL	1.2X	95	1
2008	DEC	5	0246	57.80	19	21.50	155	14.31	11.87	19	1	.05	.6	1.0	SF2	1.3X	61	3
2008	DEC	5	0249	29.76	19	23.09	155	16.69	4.77	8	1	.03	.7	1.1	SSCL	1.3X	150	1
2008	DEC	5	0324	19.93	19	21.63	155	14.06	12.01	26	3	.07	.5	.6	SF2	1.3X	55	2
2008	DEC	5	0337	38.50	19	20.33	155	6.53	6.70	21	1	.11	.6	1.1	SF4	1.4X	148	6
2008	DEC	5	0545	26.28	19	24.15	155	17.01	1.68	10	1	.03	.3	.3	SSCL	1.2X	102	1
2008	DEC	5	0549	8.54	19	23.88	155	16.83	1.95	11	1	.05	.3	.3	SSCL	1.6X	96	0
2008	DEC	5	0553	14.98	19	24.18	155	16.75	1.81	23	5	.09	.3	.2	SSCL	2.2X	110	1
2008	DEC	5	0554	48.93	19	24.25	155	16.73	1.51	21	3	.11	.3	.2	SSCL	2.2X	114	1
2008	DEC	5	0557	20.54	19	24.59	155	16.34	4.82	14	1	.07	.6	.7	SNCL	1.9X	138	1
2008	DEC	5	0602	17.65	19	23.88	155	16.95	4.17	11	1	.05	.6	.6	SSCL	1.6X	94	1
2008	DEC	5	0603	48.24	19	24.37	155	16.94	1.97	16	4	.10	.3	.3	SSCL	2.4X	113	1
2008	DEC	5	0604	56.58	19	24.10	155	17.09	1.76	11	1	.04	.3	.3	SSCL	1.9X	97	1
2008	DEC	5	0605	39.54	19	24.21	155	17.07	1.46	18	3	.10	.3	.3	SSCL	1.8X	101	1
2008	DEC	5	0613	32.77	19	14.57	155	32.02	2.36	31	3	.16	.5	1.5	LSW	1.9X	106	12
2008	DEC	5	0619	23.37	19	24.17	155	17.09	1.69	16	3	.06	.3	.2	SSC	1.5X	99	1
2008	DEC	5	0624	15.62	19	24.14	155	16.96	1.76	11	1	.05	.3	.3	SSCL	1.3X	102	1

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	DEC	5	0624	24.76	19	24.03	155	16.92	1.71	17	2	.09	.3	.3	SSCL	1.8X	100	1
2008	DEC	5	0637	40.69	19	24.22	155	17.07	1.68	12	1	.05	.3	.3	SSCL	1.3X	103	1
2008	DEC	5	1222	6.91	19	18.56	155	27.21	7.80	22		.11	.4	1.0	LSW	1.4X	75	7
2008	DEC	5	1639	46.36	19	21.85	155	14.15	12.14	28	3	.09	.5	.7	SF2	1.7X	55	2
2008	DEC	5	1952	25.60	19	23.16	155	16.67	2.57	10	1	.07	.5	.4	SSCL	1.2X	109	1
2008	DEC	5	2101	9.98	19	24.00	155	17.03	1.70	8	1	.02	.3	.4	SSCL	1.3X	96	1
2008	DEC	5	2105	56.63	19	24.01	155	17.00	4.14	9	1	.06	.6	.8	SSCL	1.4X	97	1
2008	DEC	5	2114	47.02	19	24.17	155	17.02	1.64	19	3	.07	.3	.2	SSCL	2.1X	102	1
2008	DEC	5	2118	32.00	19	24.21	155	16.70	2.43	12	1	.08	.4	.3	SSCL	1.1X	113	1
2008	DEC	5	2118	52.32	19	24.09	155	16.89	2.18	11	1	.06	.4	.3	SSCL	1.3X	103	1
2008	DEC	5	2123	56.68	19	23.91	155	16.64	3.41	10	1	.05	.5	.5	SSCL	1.4X	101	0
2008	DEC	5	2135	20.05	19	24.22	155	16.70	1.04	15	2	.06	.2	.2	SSCL	2.0X	113	1
2008	DEC	5	2143	34.70	19	23.76	155	16.65	2.08	15	2	.09	.4	.3	SSCL	2.3X	61	0
2008	DEC	5	2152	10.66	19	24.02	155	16.87	1.90	10	1	.07	.3	.3	SSCL	1.2X	100	1
2008	DEC	5	2327	48.27	19	24.11	155	17.00	1.57	21	2	.09	.3	.2	SSCL	2.0X	100	1
2008	DEC	5	2345	36.88	19	23.92	155	16.88	2.00	13	3	.06	.3	.3	SSCL	2.2X	96	0
2008	DEC	5	2355	40.34	19	25.53	155	36.05	24.97	39	5	.10	.5	.9	DML	2.0X	54	3
2008	DEC	5	2357	18.47	19	23.81	155	16.70	1.75	8	1	.04	.4	.3	SSCL	1.1X	73	0
2008	DEC	6	0011	40.32	19	24.01	155	16.95	2.17	11	1	.04	.3	.3	SSCL	1.3X	97	1
2008	DEC	6	0230	40.18	19	23.75	155	17.19	3.32	8	1	.06	.6	.5	SSCL	1.1X	93	1
2008	DEC	6	0249	45.28	19	26.86	155	48.71	6.40	31	2	.11	.5	.9	KON	2.2X	94	8
2008	DEC	6	0350	25.50	19	17.54	155	29.55	11.83	24	1	.07	.4	1.0	LSW	1.2X	49	5
2008	DEC	6	0459	33.20	19	23.77	155	16.83	2.17	10	1	.04	.4	.3	SSCL	1.3X	82	0
2008	DEC	6	0501	58.17	19	10.81	155	40.58	0.03	30	3	.15	.4	.5	LSW #	2.1X	82	10
2008	DEC	6	0621	31.74	19	24.09	155	16.87	2.03	11	1	.06	.3	.3	SSCL	1.2X	103	1
2008	DEC	6	0635	45.22	19	21.20	155	14.05	11.80	17	2	.06	.7	1.1	SF2	1.2X	102	3
2008	DEC	6	0720	47.61	19	23.30	155	16.40	4.02	8	1	.04	.6	.7	SECL	1.5X	126	1
2008	DEC	6	0800	5.26	19	27.72	155	27.94	10.65	27	4	.10	.4	1.1	KAO	1.5X	71	8
2008	DEC	6	0841	18.83	19	24.59	155	15.78	1.45	8	1	.03	.4	.6	SNCL	1.3X	150	2
2008	DEC	6	1044	55.68	19	25.86	155	15.98	2.14	14	2	.06	.4	.5	SNCL	1.7X	169	3
2008	DEC	6	1114	1.73	19	23.04	155	16.72	3.46	8	1	.04	.6	.5	SSCL	1.2X	155	1
2008	DEC	6	1115	25.20	19	24.17	155	16.20	3.07	9	1	.06	.5	.6	SECL	1.6X	120	1
2008	DEC	6	1235	43.82	19	23.69	155	16.48	3.66	9	1	.05	.5	.6	SECL	1.6X	92	0
2008	DEC	6	1235	52.00	19	28.34	155	16.32	0.61	9	1	.03	.7	1.2	GLNL	1.9X	228	6
2008	DEC	6																

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	6	2332	26.84	19	24.12	155	16.96	1.86	13	1	.06	.3	.3	SSCL	1.6X	102	1
2008	DEC	6	2340	33.65	19	29.87	155	43.05	7.35	21	3	.13	.6	1.5	KON	1.4X	138	5
2008	DEC	7	0033	33.57	19	19.45	155	9.89	6.95	19	1	.06	.5	1.2	SF3	1.1X	97	5
2008	DEC	7	0151	26.47	19	24.79	155	17.26	4.10	11	1	.08	.6	.5	SNCL	1.6X	119	1
2008	DEC	7	0153	3.13	19	56.82	155	33.14	7.11	13		.12	1.5	1.1	KEA	1.5X	236	15
2008	DEC	7	0229	58.02	19	24.04	155	16.80	1.26	11	1	.04	.3	.2	SSCL	1.4X	103	0
2008	DEC	7	0251	40.83	19	23.68	155	16.65	5.01	13	2	.06	.6	.7	INTL	1.8X	73	0
2008	DEC	7	0357	32.79	19	24.22	155	16.89	1.71	10	1	.06	.3	.3	SSCL	1.3X	108	1
2008	DEC	7	0652	57.09	19	24.84	155	16.78	5.09	10	1	.06	.8	1.0	INTL	1.4X	147	2
2008	DEC	7	0656	30.88	19	23.76	155	16.05	1.31	10	1	.06	.2	.4	SECL	1.5X	101	1
2008	DEC	7	0701	34.83	19	23.36	155	16.30	10.81	8	1	.03	1.7	2.8	INTL	1.4X	115	1
2008	DEC	7	0955	44.70	19	24.09	155	17.02	1.50	8	1	.05	.3	.3	SSCL	1.4X	99	1
2008	DEC	7	1026	33.33	19	24.41	155	16.71	4.37	10	1	.02	.6	.7	SSCL	1.4X	123	1
2008	DEC	7	1032	9.47	19	24.36	155	16.81	1.42	8	1	.06	.3	.4	SSCL	1.1X	117	1
2008	DEC	7	1058	53.03	19	24.44	155	15.88	3.63	8	1	.03	.6	.8	SECL	1.5X	139	2
2008	DEC	7	1418	19.55	19	24.03	155	16.75	1.65	9	1	.07	.3	.3	SSCL	1.2X	104	0
2008	DEC	7	1544	50.45	19	53.74	156	4.02	35.08	25	1	.10	2.1	2.8	HUA	1.9X	246	33
2008	DEC	7	1627	52.19	19	24.42	155	16.82	3.39	13	1	.05	.5	.4	SSCL	1.6X	120	1
2008	DEC	7	1650	4.70	19	23.30	155	16.97	2.70	10	1	.05	.5	.4	SSCL	1.5X	112	0
2008	DEC	7	1652	11.77	19	23.95	155	17.15	2.38	11	1	.05	.4	.4	SSCL	1.7X	90	1
2008	DEC	7	1658	24.40	19	24.01	155	17.18	3.05	12	1	.08	.5	.4	SSCL	1.7X	92	1
2008	DEC	7	1703	6.85	19	25.02	155	15.77	2.97	7	1	.05	.8	1.3	SNCL	1.1X	181	3
2008	DEC	7	1732	40.38	19	26.26	155	38.69	2.96	8	1	.05	1.2	.9	MLO	1.4U	205	4
2008	DEC	7	1745	22.46	19	0.38	155	26.38	39.93	42	5	.08	.9	1.5	DLS	2.0X	217	17
2008	DEC	7	1754	48.44	19	23.82	155	16.88	2.29	11	1	.06	.4	.3	SSCL	1.3X	93	1
2008	DEC	7	1819	41.89	19	9.11	155	31.32	0.43	35	3	.14	.5	.6	LSW	2.1X	137	6
2008	DEC	7	1842	1.98	19	25.95	155	27.41	6.81	30	2	.12	.3	1.3	KAO	1.4X	48	6
2008	DEC	7	1907	57.14	19	24.09	155	16.92	1.52	9	1	.04	.3	.2	SSCL	1.2X	102	1
2008	DEC	7	1910	51.04	19	24.37	155	38.66	2.82	7	1	.08	1.4	.6	MLO	1.0U	183	2
2008	DEC	7	2029	12.70	19	24.88	155	38.76	3.05	16	3	.10	.7	.4	MLO	1.6X	190	2
2008	DEC	7	2102	22.15	19	26.10	155	39.69	6.44	13	1	.08	.6	1.4	MLO	1.2X	123	5
2008	DEC	7	2136	58.27	19	11.53	155	24.45	36.37	36	1	.10	.8	1.5	DEP	1.6X	162	5
2008	DEC	7	2223	50.08	19	19.64	155	7.92	5.96	31	3	.07	.4	.9	SF4	1.4X	124	4
2008	DEC	7	2233	59.15	19	18.94	155	15.38	4.88	24		.09	.5	2.0	SSF	1.2X	105	5
2008	DEC	7	2314	58.78	19	30.46	155	29.25	5.40	13	1	.12	.5	2.5	MLO	1.1X	101	4
2008	DEC	8	0000	10.09	19	24.66	155	38.70	2.89	8	1	.07	1.1	.5	MLO	1.0U	187	2
2008	DEC	8	0000	28.51	19	24.55	155	38.83	2.67	8	1	.07	1.1	.5	MLO	1.2U	188	2
2008	DEC	8	0030	8.26	19	23.48	155	16.91	2.58	9	1	.09	.5	.4	SSCL	1.3X	77	0
2008	DEC	8	0049	48.99	19	24.09	155	16.91	2.48	11	1	.05	.4	.3	SSCL	1.7X	102	1
2008	DEC	8	0320	34.48	19	24.01	155	16.46	1.51	9	1	.04	.3	.3	SECL	1.4X	108	0
2008	DEC	8	0333	24.08	19	24.09	155	16.85	1.97	11	1	.06	.3	.3	SSCL	1.3X	104	1
2008	DEC	8	0416	16.02	19	19.93	155	6.94	7.58	31	2	.08	.5	.5	SF4	1.9X	145	5
2008	DEC	8	0417	47.20	19	12.70	155	27.33	42.39	25		.09	.9	2.4	DLST		115	6
2008	DEC	8	0548	12.99	19	24.10	155	16.95	1.66	10	1	.05	.3	.3	SSCL	1.1X	101	1
2008	DEC	8	0608	58.51	19	0.68	155	26.53	39.50	31	1	.07	1.3	2.1	DLS	1.5X	216	16

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	8	0612	45.57	19	20.80	155	15.07	1.85	11	2	.05	.4	.9	KOAL	.9X	91	3
2008	DEC	8	0714	36.00	19	23.45	155	17.00	2.43	8	1	.05	.5	.4	SSCL	1.4X	137	0
2008	DEC	8	0721	33.89	19	23.05	155	0.84	7.26	23	2	.14	.9	.8	SF5	1.2X	180	5
2008	DEC	8	0736	6.54	19	24.02	155	16.47	1.54	8	1	.02	.3	.3	SECL	1.1X	109	0
2008	DEC	8	1121	48.05	19	23.92	155	17.05	1.78	13	1	.07	.3	.3	SSCL	1.4X	92	1
2008	DEC	8	1122	13.82	19	24.11	155	16.17	2.59	9	1	.04	.4	.5	SECL	1.2X	117	1
2008	DEC	8	1122	42.56	19	24.14	155	17.09	3.94	7	1	.03	1.4	1.2	SSCL	1.2X	171	1
2008	DEC	8	1137	34.85	19	25.35	155	16.25	4.83	8	1	.05	1.1	1.1	SNCL	1.6X	197	2
2008	DEC	8	1139	57.79	19	24.89	155	16.74	4.76	10	1	.05	.7	.9	SNCL	1.6X	152	2
2008	DEC	8	1224	4.57	19	11.16	155	41.21	6.10	20		.09	.5	3.3	LSW	1.5X	97	9
2008	DEC	8	1340	26.39	19	24.30	155	17.02	2.67	10	1	.07	.4	.3	SSCL	1.4X	107	1
2008	DEC	8	1411	9.85	19	25.08	155	16.92	4.88	9	1	.05	.9	1.0	SNCL	1.2X	162	1
2008	DEC	8	1512	11.71	18	49.20	155	27.47	31.79	18	1	.08	2.9	4.6	DLS	1.5X	294	47
2008	DEC	8	1538	52.08	19	49.71	155	25.05	24.57	14	1	.11	.9	1.9	KEA	1.3X	96	10
2008	DEC	8	1720	51.03	19	24.72	155	16.56	3.05	8	1	.06	.6	.7	SNCL	1.7X	146	2
2008	DEC	8	1749	1.40	19	24.05	155	16.67	2.80	7	1	.04	.8	.8	SSCL	1.5X	126	0
2008	DEC	8	1754	28.24	19	26.55	155	38.37	2.78	10	1	.07	1.1	.8	MLO	1.2U	201	4
2008	DEC	8	1754	50.15	19	23.49	155	15.90	2.29	9	1	.03	.3	.4	SECL	1.1X	91	1
2008	DEC	8	1843	12.41	19	23.94	155	16.88	2.03	11	1	.05	.3	.3	SSCL	1.4X	96	0
2008	DEC	8	1906	0.27	19	23.71	155	16.24	1.34	9	1	.06	.3	.3	SECL	1.3X	98	1
2008	DEC	8	1926	19.39	19	25.62	155	16.05	2.93	11	1	.03	.7	.6	SNCL	1.8X	174	3
2008	DEC	8	2042	40.94	19	24.09	155	16.69	3.29	11	1	.06	.4	.4	SSCL	1.4X	108	0
2008	DEC	8	2127	45.03	19	19.34	155	13.46	6.95	31	2	.10	.4	.8	SF2	1.4X	71	4
2008	DEC	8	2129	47.74	19	25.50	155	16.30	3.67	7	1	.04	1.0	1.4	SNCL	1.2X	207	2
2008	DEC	8	2251	58.33	19	23.69	155	15.91	2.28	11	1	.05	.3	.4	SECL	1.6X	99	1
2008	DEC	9	0009	41.28	19	28.90	155	35.86	2.30	7	1	.07	.6	.3	MLO	1.8X	141	1
2008	DEC	9	0109	36.04	19	12.32	155	31.96	38.75	28	1	.08	.7	1.8	DLS	1.5X	85	6
2008	DEC	9	0150	25.27	19	24.18	155	16.74	0.51	9	2	.08	.3	.3	SSCL	1.8X	110	1
2008	DEC	9	0151	15.07	19	23.96	155	16.96	3.07	11	1	.06	.5	.4	SSCL	1.8X	95	1
2008	DEC	9	0351	23.08	19	19.68	155	11.55	6.78	23	1	.12	.6	1.2	SF3	1.4X	91	6
2008	DEC	9	0447	22.76	19	24.98	155	16.90	4.24	10	1	.05	.7	.6	SNCL	1.6X	154	1
2008	DEC	9	0458	17.90	19	24.96	155	16.30	2.89	8	1	.06	.6	.7	SNCL	1.3X	168	2
2008	DEC	9	0500	35.36	19	20.32	155	27.10	9.39	29	1	.15	.5	.9	KAO	1.3X	56	4

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	9	1336	58.44	19	24.60	155	16.76	4.18	13	2	.08	.5	.6	SNCL	1.9X	131	1
2008	DEC	9	1722	29.85	19	23.29	155	16.90	3.44	11	1	.07	.6	.5	SSCL	1.3X	111	0
2008	DEC	9	1939	39.14	19	23.78	155	16.28	2.67	10	1	.07	.4	.4	SECL	1.0X	101	1
2008	DEC	9	2119	32.86	19	20.59	154	56.78	28.81	28		.11	2.5	2.4	LERT		239	13
2008	DEC	9	2221	45.54	19	24.38	155	17.00	1.78	9	1	.05	.3	.3	SSCL	1.2X	112	1
2008	DEC	9	2221	55.19	19	23.61	155	16.56	1.43	9	1	.04	.3	.2	SSCL	1.2X	86	1
2008	DEC	9	2237	29.19	19	24.39	155	16.97	2.50	10	1	.05	.4	.4	SSCL	1.4X	113	1
2008	DEC	10	0043	53.74	19	23.81	155	16.52	3.62	11	1	.05	.4	.4	SSCL	1.5X	99	0
2008	DEC	10	0315	30.80	19	24.43	155	16.12	2.57	9	1	.06	.5	.6	SECL	1.2X	136	1
2008	DEC	10	0448	12.96	19	24.54	155	17.29	4.10	12	1	.09	.6	.6	SNCL	1.6X	106	2
2008	DEC	10	0554	54.27	19	23.70	155	16.13	4.43	11	1	.04	.6	.7	SECL	1.4X	99	1
2008	DEC	10	0714	13.05	19	25.88	155	16.11	6.42	9	1	.04	1.5	1.4	INTL	1.3X	226	3
2008	DEC	10	0807	0.18	19	24.19	155	16.79	2.22	11	1	.03	.3	.3	SSCL	1.9X	110	1
2008	DEC	10	0828	55.10	19	21.15	155	14.85	1.22	31	5	.11	.3	.5	KOA	2.2X	67	3
2008	DEC	10	1055	38.36	19	24.29	155	17.09	2.75	10	1	.04	.4	.4	SSCL	1.4X	104	1
2008	DEC	10	1222	32.87	19	24.60	155	16.84	3.48	8	1	.07	.6	.7	SNCL	1.5X	129	1
2008	DEC	10	1246	28.23	19	25.56	155	16.74	4.52	13	1	.05	.8	.6	SNCL	1.8X	159	2
2008	DEC	10	1541	53.99	19	23.80	155	16.95	2.35	8	1	.05	.4	.3	SSCL	1.1X	91	1
2008	DEC	10	1619	15.25	19	25.15	155	16.64	5.61	12	2	.05	.8	.9	INTL	2.2X	155	2
2008	DEC	10	1655	3.87	19	21.13	155	14.91	1.83	13	2	.06	.3	.8	KOA	1.4X	89	3
2008	DEC	10	1724	26.37	19	20.45	155	13.22	8.42	15	1	.05	.6	1.1	SF2	1.4X	63	4
2008	DEC	10	1800	56.47	19	23.44	155	16.57	2.42	9	1	.06	.5	.3	SSCL	1.1X	113	1
2008	DEC	10	1939	21.70	19	24.11	155	16.93	1.94	10	1	.06	.3	.3	SSCL	1.2X	102	1
2008	DEC	10	2230	55.10	19	24.31	155	16.91	1.72	14	1	.05	.3	.3	SSCL	1.6X	112	1
2008	DEC	11	0050	40.39	19	24.03	155	17.05	2.18	10	1	.04	.3	.3	SSCL	1.8X	95	1
2008	DEC	11	0202	55.19	19	24.30	155	16.93	3.13	10	1	.05	.5	.5	SSCL	1.4X	111	1
2008	DEC	11	0516	25.59	19	24.26	155	17.04	2.23	10	1	.05	.3	.3	SSCL	1.4X	104	1
2008	DEC	11	0640	28.25	19	24.27	155	16.77	3.19	8	1	.05	.6	.6	SSCL	1.4X	114	1
2008	DEC	11	0759	4.89	19	24.21	155	17.22	3.67	8	1	.06	.7	.8	SSCL	1.4X	97	1
2008	DEC	11	0856	1.44	19	23.75	155	17.13	4.22	10	1	.08	.6	.7	SSCL	1.7X	116	1
2008	DEC	11	0935	8.25	19	23.68	155	17.04	3.19	9	1	.07	.5	.4	SSCL	1.5X	109	1
2008	DEC	11	0938	37.74	19	24.06	155	16.95	2.20	11	1	.06	.4	.3	SSCL	1.2X	99	1
2008	DEC	11	1054	13.09	19	24.11	155	16.81	1.85	7	1	.07	.4	.5	SSCL	1.0X	106	1
2008	DEC	11	1403	50.65	19	13.89	155	28.06	1.66	24	1	.11	.4	1.7	LSW	1.5X	94	7
2008	DEC	11	1451	42.73	19	19.90	155	3.94	1.89	30	2	.13	.7	1.3	SSF	1.7X	190	8
2008	DEC	11	1617	47.81	19	25.71	155	17.20	2.43	10	2	.05	.7	.3	SNCL	2.0X	238	1
2008	DEC	11	1808	13.78	19	23.81	155	16.43	0.92	9	1	.08	.3	.3	SECL	1.3X	100	0
2008	DEC	11	1813	45.53	19	25.02	155	16.67	7.97	7	1	.05	1.3	2.2	INTL	1.4X	164	2
2008	DEC	11	1839	57.87	19	24.35	155	16.99	3.37	15	2	.04	.3	.3	SSCL	1.9X	110	1
2008	DEC	11	1845	5.99	19	24.67	155	16.92	3.79	11	1	.03	.4	.4	SNCL	1.7X	130	2
2008	DEC	11	2043	6.76	19	24.77	155	17.13	3.58	9	1	.05	.6	.5	SNCL	1.3X	126	1
2008	DEC	11	2216	27.18	19	24.85	155	16.14	3.78	13	1	.07	.6	.6	SNCL	1.8X	148	2
2008	DEC	11	2340	31.69	19	25.79	155	19.61	8.62	23	4	.11	.5	.9	KAO	1.5X	102	4
2008	DEC	12	0113	7.40	19	24.39	155	17.02	4.05	9	1	.06	.5	.6	SSCL	1.3X	111	1
2008	DEC	12	0123	9.26	19	19.85	155	12.81	6.30	26	1	.07	.4	.9	SF2	1.2X	75	5

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	12	0212	6.43	19	25.16	155	17.07	4.33	9	1	.04	.9	.6	SNCL	1.8X	163	1
2008	DEC	12	0218	14.11	19	23.35	155	16.10	4.82	8	1	.06	.8	1.2	SECL	1.4X	105	1
2008	DEC	12	0231	40.10	19	24.05	155	16.92	2.07	13	1	.08	.4	.3	SSCL	1.6X	100	1
2008	DEC	12	0449	22.74	19	24.39	155	17.09	3.12	10	1	.07	.4	.5	SSCL	1.4X	108	1
2008	DEC	12	0659	25.27	19	44.03	155	48.79	33.88	24	1	.18	2.4	4.2	HUA	1.9X	156	6
2008	DEC	12	1039	23.38	19	24.09	155	17.33	4.53	9	1	.05	.6	.9	SSCL	1.3X	89	1
2008	DEC	12	1131	17.93	19	6.88	155	36.56	3.37	30	1	.12	.5	3.2	LSW	1.9X	132	16
2008	DEC	12	1234	54.27	19	22.42	155	24.57	9.63	31	2	.10	.4	.7	KAO	1.2X	56	5
2008	DEC	12	1711	5.56	19	24.03	155	16.97	3.66	10	1	.06	.5	.6	SSCL	1.5X	98	1
2008	DEC	12	1748	23.82	19	23.66	155	17.21	6.07	11	1	.03	.8	1.0	INTL	1.9X	103	1
2008	DEC	12	2002	43.45	19	24.78	155	16.37	3.36	9	1	.06	.6	.7	SNCL	1.1X	153	2
2008	DEC	12	2025	16.90	19	23.70	155	17.01	3.42	11	1	.04	.5	.5	SSCL	1.7X	80	1
2008	DEC	12	2028	56.90	19	11.16	155	42.22	10.27	23	2	.10	.4	1.4	LSW	2.0X	75	7
2008	DEC	12	2100	39.36	19	25.19	155	17.49	6.55	8	1	.03	1.4	1.6	INTL	1.3X	124	0
2008	DEC	12	2105	44.67	19	22.11	155	2.22	5.50	22	1	.13	1.1	1.5	SF5	1.3X	182	6
2008	DEC	12	2126	53.71	19	49.98	155	46.57	27.95	22	1	.11	1.5	2.2	HUA	1.8X	233	13
2008	DEC	12	2244	23.83	19	19.38	155	12.92	5.79	33	2	.13	.5	1.1	SF2	1.3X	80	4
2008	DEC	12	2319	21.87	19	12.29	155	36.95	4.22	19		.12	.6	1.4	LSW	1.3X	87	13
2008	DEC	13	0037	7.99	19	24.36	155	17.06	2.77	11	1	.07	.5	.4	SSCL	1.3X	109	1
2008	DEC	13	0037	16.31	19	26.08	155	16.25	4.56	10	1	.05	1.1	1.0	SNCL	1.6X	179	3
2008	DEC	13	0111	10.65	19	24.38	155	16.86	3.23	11	1	.05	.5	.4	SSCL	1.5X	116	1
2008	DEC	13	0208	52.05	19	23.70	155	17.01	3.01	11	1	.04	.5	.4	SSCL	1.6X	80	1
2008	DEC	13	0227	39.28	19	24.53	155	16.63	6.43	9	1	.03	.9	1.5	INTL	1.6X	131	1
2008	DEC	13	0228	38.66	19	25.35	155	16.29	5.39	10	1	.05	1.1	1.1	INTL	1.6X	196	2
2008	DEC	13	0355	31.54	19	24.61	155	17.33	4.12	10	1	.07	.6	.6	SNCL	1.5X	105	2
2008	DEC	13	0445	34.98	19	17.32	155	15.64	6.41	29	1	.09	.5	.9	SF1	1.1X	152	4
2008	DEC	13	1024	22.44	19	23.00	155	16.72	4.15	10	1	.02	.5	.5	SSCL	1.2X	119	1
2008	DEC	13	1034	7.60	19	24.41	155	16.98	1.64	20	4	.09	.3	.3	SSCL	1.8X	113	1
2008	DEC	13	1038	4.23	19	19.41	155	8.75	6.07	25	2	.11	.5	1.4	SF4	1.3X	101	4
2008	DEC	13	1040	34.95	19	26.49	155	17.60	7.00	7	1	.04	2.4	1.3	INTL	1.2X	264	2
2008	DEC	13	1114	36.63	19	23.62	155	17.22	2.42	10	1	.05	.4	.4	SSCL	1.4X	106	1
2008	DEC	13	1127	34.06	19	23.90	155	16.76	2.28	9	1	.05	.4	.3	SSCL	1.4X	99	0
2008	DEC	13	1446	6.24	19	32.88	155	35.41</										

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	14	0503	12.41	19	25.11	155	16.66	5.90	13	2	.06	.8	.9	INTL	1.8X	154	2
2008	DEC	14	0504	24.44	19	24.18	155	16.10	13.25	10	1	.04	1.9	2.2	DEPL	1.8X	122	1
2008	DEC	14	0602	4.30	19	24.16	155	16.49	2.63	9	1	.04	.4	.5	SECL	1.0X	115	1
2008	DEC	14	0715	50.55	19	21.60	155	24.64	14.02	5312	.10	.3	.3	DEP	2.8X	38	3	
2008	DEC	14	0716	22.90	19	21.50	155	24.48	13.21	42	6	.10	.3	.3	DEP	2.5X	39	3
2008	DEC	14	0723	34.46	19	21.38	155	24.65	13.90	25	2	.11	.5	.7	DEP	1.6X	50	3
2008	DEC	14	0747	15.78	19	21.63	155	24.71	13.84	41	7	.11	.3	.3	DEP	2.1X	38	4
2008	DEC	14	0748	41.24	19	24.20	155	17.17	3.59	9	1	.06	.6	.6	SSCL	1.7X	97	1
2008	DEC	14	0954	27.50	19	19.07	155	9.79	6.36	28	3	.11	.6	1.2	SF3	1.5X	106	5
2008	DEC	14	1119	24.59	19	24.35	155	17.20	1.66	10	1	.07	.4	.3	SSCL	1.2X	101	1
2008	DEC	14	1141	33.31	19	59.54	156	4.18	34.22	27	1	.09	2.6	2.7	KOH	2.1X	258	34
2008	DEC	14	1156	36.35	19	24.18	155	17.20	2.36	11	1	.07	.4	.4	SSCL	1.5X	96	1
2008	DEC	14	1430	56.71	19	25.67	155	16.97	2.90	9	1	.05	.9	.4	SNCL	1.2X	225	1
2008	DEC	14	1514	12.73	19	24.46	155	16.69	3.38	7	1	.04	.8	1.1	SSCL	1.0X	126	1
2008	DEC	14	1534	25.29	19	23.89	155	16.58	2.58	9	1	.07	.4	.4	SSCL	1.1X	101	0
2008	DEC	14	1537	12.04	19	23.62	155	16.97	3.64	8	1	.06	.6	.7	SSCL	1.2X	98	0
2008	DEC	14	1556	38.39	19	24.10	155	15.71	3.88	9	1	.02	.6	.8	SECL	1.1X	119	2
2008	DEC	14	1556	44.30	19	24.34	155	17.01	2.92	10	1	.04	.4	.4	SSCL	1.4X	110	1
2008	DEC	14	1811	39.52	19	26.19	155	15.82	8.74	7	1	.02	2.0	2.7	INTL	1.5X	251	3
2008	DEC	14	1857	43.73	19	21.49	155	24.73	13.69	33	2	.09	.4	.5	DEP	1.7X	50	3
2008	DEC	14	1912	39.34	19	24.24	155	16.95	2.60	12	1	.07	.4	.3	SSCL	1.7X	106	1
2008	DEC	14	2019	32.00	19	21.78	155	24.73	13.50	33	2	.10	.5	.5	DEP	1.5X	52	4
2008	DEC	14	2035	48.51	19	24.71	155	16.37	2.23	9	1	.04	.4	.5	SNCL	1.6X	149	2
2008	DEC	15	0103	4.86	19	9.34	156	10.30	37.85	37	2	.09	2.8	1.5	KON	2.5X	271	34
2008	DEC	15	0145	10.42	19	24.42	155	17.07	2.73	10	1	.06	.4	.4	SSCL	1.2X	111	1
2008	DEC	15	0403	42.40	19	24.57	155	16.02	4.18	10	1	.06	.7	.8	SNCL	1.4X	138	2
2008	DEC	15	0423	34.70	19	15.70	155	6.23	31.88	30	2	.10	1.6	1.8	DEP	1.6X	252	4
2008	DEC	15	0709	39.85	19	24.06	155	16.43	3.01	11	1	.05	.3	.3	SECL	1.6X	111	0
2008	DEC	15	0810	35.95	19	24.00	155	16.76	2.26	11	1	.03	.3	.3	SSCL	1.4X	102	0
2008	DEC	15	0918	21.06	19	24.54	155	16.82	3.95	10	1	.05	.5	.6	SNCL	1.5X	126	1
2008	DEC	15	0946	58.51	20	7.89	155	46.74	22.24	23	1	.11	3.1	2.6	KOH	2.0X	288	0
2008	DEC	15	1140	22.93	19	24.08	155	16.27	2.56	11	1	.04	.3	.3	SECL	1.9X	114	1
2008	DEC	15	1144	16.14	19	23.95	155	16.70	2.39	9	1	.04	.3	.3	SSCL	1.4X	101	0
2008	DEC	15	1206	54.32	19	25.28	155	39.02	2.74	12	2	.06	.8	.6	MLO	1.2X	200	3
2008	DEC	15	1600	52.07	19	23.78	155	16.65	2.40	11	1	.02	.4	.3	SSCL	1.5X	63	0
2008	DEC	15	1605	35.85	19	25.59	155	16.29	2.56	37	4	.10	.3	.3	SNCLF	2.6X	52	2
2008	DEC	15	1738	32.61	19	24.70	155	16.97	3.15	12	2	.05	.4	.4	SNCL	1.7X	130	2
2008	DEC	15	2249	9.06	19	24.10	155	16.50	2.21	7	1	.03	.5	.6	SSCL	1.1X	112	0
2008	DEC	16	0106	1.47	19	24.07	155	16.40	3.01	10	1	.04	.3	.4	SECL	1.4X	112	0
2008	DEC	16	0328	54.11	19	24.23	155	17.00	1.96	11	1	.06	.3	.3	SSCL	1.2X	105	1
2008	DEC	16	0416	55.83	19	24.36	155	17.05	1.73	11	1	.04	.3	.3	SSCL	1.6X	108	1
2008	DEC	16	0607	49.77	19	24.22	155	17.11	1.95	11	1	.04	.3	.3	SSCL	1.5X	101	1
2008	DEC	16	0752	39.17	19	24.53	155	16.50	4.69	8	1	.03	.8	1.1	SSCL	1.4X	135	1
2008	DEC	16	0816	17.69	19	23.72	155	16.30	1.61	8	1	.03	.3	.3	SECL	1.3X	98	1
2008	DEC	16	0829	20.16	19	24.53	155	17.13	2.90	8	1	.03	.5	.6	SSCL	1.3X	112	1

---		ORIGIN TIME (HST)--		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	16	0841	15.07	19	24.82	155	16.55	3.83	12	1	.06	.5	.4	SNCL	1.7X	145	2
2008	DEC	16	0905	20.46	19	6.69	155	24.13	43.32	28		.07	1.3	2.5	LOIT		189	8
2008	DEC	16	0927	29.43	19	50.52	155	34.11	21.50	14	2	.08	1.7	2.9	KEA	1.4X	155	10
2008	DEC	16	0950	43.90	19	24.74	155	17.12	3.11	9	1	.03	.5	.5	SNCL	1.4X	125	1
2008	DEC	16	1040	0.51	19	13.98	155	26.11	7.64	21	1	.11	.5	1.2	LSW	1.1X	121	4
2008	DEC	16	1135	54.04	19	21.12	155	15.10	2.18	13	2	.03	.3	.7	KOAL	1.5X	87	3
2008	DEC	16	1232	35.94	19	21.37	155	6.06	6.87	22		.10	.6	1.1	SF4	1.5X	144	5
2008	DEC	16	1335	1.20	19	24.87	155	17.11	4.28	9	1	.02	.7	.8	SNCL	1.1X	134	1
2008	DEC	16	1336	59.64	19	19.84	155	12.06	7.71	26	3	.11	.6	1.0	SF3	1.2X	84	5
2008	DEC	16	1511	6.86	19	25.30	155	19.51	6.15	17	2	.06	.5	.9	KAO	1.0X	124	3
2008	DEC	16	1702	33.22	19	24.60	155	16.35	2.44	7	1	.05	.5	.9	SNCL	1.2X	143	1
2008	DEC	16	1849	28.53	19	24.10	155	17.48	4.80	8	1	.02	.8	1.1	SSCL	1.2X	116	2
2008	DEC	16	1915	6.36	19	28.03	155	27.11	10.28	36	4	.11	.4	.8	KAO	1.8X	48	7
2008	DEC	16	2242	22.28	19	31.55	155	49.59	8.44	21	2	.15	.8	.9	KON	1.4X	109	7
2008	DEC	16	2249	29.91	19	24.27	155	17.06	1.58	14	1	.05	.3	.3	SSCL	1.5X	105	1
2008	DEC	16	2350	44.01	19	24.72	155	16.72	2.49	9	1	.03	.5	.5	SNCL	1.1X	140	2
2008	DEC	17	0009	20.34	19	11.68	155	37.44	6.56	40	6	.15	.4	1.0	LSW	2.4X	89	14
2008	DEC	17	0041	16.71	19	18.26	155	30.57	7.19	38	2	.13	.4	1.1	LSW	1.7X	41	6
2008	DEC	17	0201	53.46	19	24.75	155	16.73	4.51	8	1	.02	.7	1.0	SNCL	1.4X	142	2
2008	DEC	17	0219	21.53	19	24.57	155	17.18	2.58	10	1	.04	.4	.4	SNCL	1.4X	112	2
2008	DEC	17	0327	52.58	19	24.04	155	17.09	1.94	11	1	.06	.3	.3	SSCL	1.2X	95	1
2008	DEC	17	0359	52.97	19	24.07	155	16.90	2.04	11	1	.05	.3	.3	SSCL	1.3X	101	1
2008	DEC	17	0701	44.52	19	17.78	155	23.05	3.11	15	1	.06	.4	1.0	SWRL	1.1X	101	4
2008	DEC	17	1043	44.65	19	19.53	155	8.72	7.12	18	1	.08	.6	1.5	SF4	1.1X	123	4
2008	DEC	17	1314	30.79	19	20.09	155	6.87	6.59	21		.11	1.0	1.8	SF4	1.3X	175	5
2008	DEC	17	1357	18.08	19	50.59	155	33.72	20.67	20	1	.08	.9	2.1	KEA	1.7X	112	10
2008	DEC	17	1419	8.14	19	20.99	155	15.84	0.88	10	1	.06	.4	1.0	KOAL	1.0X	85	3
2008	DEC	17	1653	43.37	19	25.71	155	16.15	2.52	34	4	.07	.3	.3	SNCF	2.3X	52	3
2008	DEC	17	1843	29.47	19	24.49	155	17.50	3.61	11	1	.06	.4	.4	SSCL	1.5X	91	2
2008	DEC	17	1919	29.67	19	24.53	155	17.01	3.68	9	1	.05	.6	.6	SSCL	1.2X	118	1
2008	DEC	17	2002	38.28	19	24.27	155	17.21	3.20	8	1	.04	.6	.6	SSCL	1.0X	99	1
2008	DEC	17	2007	32.26	19	24.14	155	16.94	3.76	11	1	.04	.5	.5	SSCL	1.8X	103	1
2008	DEC	17	2013	47.19	19	11.91	155	16.37	41.45	24	2	.09	1.					

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	18	1639	55.21	19	24.27	155	17.19	2.48	12	2	.04	.4	.3	SSCL	1.6X	100	1
2008	DEC	18	1705	48.65	19	25.60	155	18.97	6.13	15	3	.08	.6	.9	INTL	1.4X	142	2
2008	DEC	18	1940	45.75	19	19.92	155	8.18	8.46	33	3	.08	.5	.5	SF4	2.0X	116	5
2008	DEC	18	2040	48.46	19	25.47	155	17.22	6.30	9	1	.04	1.4	1.4	INTL	1.3X	206	1
2008	DEC	18	2054	30.82	19	24.25	155	17.03	3.01	10	1	.06	.5	.4	SSCL	1.5X	105	1
2008	DEC	18	2322	31.43	19	24.15	155	16.49	3.29	11	1	.04	.3	.4	SECL	1.4X	115	1
2008	DEC	18	2329	12.70	19	23.94	155	17.00	4.09	8	1	.03	.7	.8	SSCL	.9X	94	1
2008	DEC	18	2330	41.31	19	24.24	155	17.03	2.09	11	1	.06	.3	.3	SSCL	1.5X	105	1
2008	DEC	18	2342	23.90	19	24.10	155	16.91	1.83	14	2	.07	.3	.3	SSCL	1.7X	102	1
2008	DEC	19	0027	47.86	19	24.71	155	16.76	2.50	11	1	.05	.3	.3	SNCL	1.2X	139	2
2008	DEC	19	0027	50.00	19	16.34	155	23.28	2.39	20	1	.08	.4	.9	SWR	1.4X	115	4
2008	DEC	19	0122	41.84	19	15.87	155	22.85	5.72	25	1	.10	.5	1.4	SWR	1.3X	134	4
2008	DEC	19	0159	12.39	19	15.49	155	26.94	8.71	35	2	.11	.4	.7	LSW	1.3X	77	6
2008	DEC	19	0240	1.88	19	24.51	155	17.04	2.33	11	1	.05	.4	.4	SSCL	1.3X	117	1
2008	DEC	19	0318	12.61	19	25.16	155	17.15	3.59	10	1	.05	.7	.4	SNCL	1.4X	160	1
2008	DEC	19	0330	45.98	19	18.30	155	13.35	6.18	30	3	.08	.5	.8	SF2	1.6X	86	2
2008	DEC	19	0706	40.06	19	26.91	155	30.19	10.18	16	1	.07	.5	1.5	KAO	1.3X	72	6
2008	DEC	19	0834	52.10	19	24.46	155	16.28	1.84	9	1	.06	.3	.5	SECL	1.1X	136	1
2008	DEC	19	0934	39.72	19	25.70	155	17.07	6.05	13	2	.05	.9	.7	INTL	2.1X	212	1
2008	DEC	19	1058	19.77	19	21.64	155	1.85	7.50	28	1	.12	.9	.7	SF5	1.8X	188	7
2008	DEC	19	1106	12.95	19	25.17	155	16.12	4.49	12	2	.05	.7	.8	SNCL	1.8X	158	2
2008	DEC	19	1305	15.97	19	12.84	155	33.89	5.27	27	1	.11	.5	3.1	LSW	1.6X	84	8
2008	DEC	19	1417	45.87	19	26.26	155	19.03	6.27	21	3	.08	.5	.9	KAO	1.6X	148	3
2008	DEC	19	1619	16.63	19	24.71	155	17.07	3.09	11	1	.04	.4	.3	SNCL	1.6X	126	2
2008	DEC	19	1923	6.31	19	24.36	155	17.01	2.50	15	2	.08	.4	.3	SSCL	1.6X	110	1
2008	DEC	19	2043	34.95	19	12.86	155	37.11	2.36	26	2	.14	.4	1.7	LSW	1.9X	83	13
2008	DEC	19	2343	43.26	19	24.80	155	17.13	4.43	9	1	.03	.7	.8	SNCL	1.2X	128	1
2008	DEC	19	2351	2.73	19	10.71	155	28.58	33.53	34		.06	.7	1.6	DLS	1.9X	84	3
2008	DEC	20	0054	48.74	19	24.22	155	17.02	2.22	11	1	.05	.3	.3	SSCL	1.7X	104	1
2008	DEC	20	0105	49.49	19	24.21	155	16.19	7.15	7	1	.01	1.3	3.2	INTL	1.2X	123	1
2008	DEC	20	0229	6.59	19	23.95	155	16.91	1.83	11	1	.06	.3	.3	SSCL	1.2X	97	1
2008	DEC	20	0329	22.30	19	24.06	155	17.31	2.46	11	1	.10	.5	.4	SSCL	1.2X	88	1
2008	DEC	20	0342	31.55	19	24.79	155	16.89	3.73	10	1	.05	.5	.5	SNCL	1.1X	139	2
2008	DEC	20	0651	45.96	19	24.34	155	17.79	5.59	7	1	.03	2.3	2.3	INTL	.9X	229	2
2008	DEC	20	0809	17.02	19	24.18	155	17.18	2.48	9	1	.02	.4	.4	SSCL	1.4X	96	1
2008	DEC	20	1206	30.35	19	24.93	155	38.84	3.35	18	2	.10	.7	.6	MLO	1.8X	193	2
2008	DEC	20	1218	51.79	19	24.61	155	17.51	4.83	7	1	.05	2.2	2.0	SNCL	1.0X	199	1
2008	DEC	20	1341	53.94	19	25.04	155	17.07	4.68	10	1	.03	.8	.8	SNCL	1.7X	151	1
2008	DEC	20	1444	19.15	19	41.16	155	13.05	40.87	43	6	.10	.6	1.2	KEA	2.0X	114	20
2008	DEC	20	1617	21.38	19	23.91	155	16.27	9.24	8	1	.02	1.4	2.5	INTL	1.1X	107	1
2008	DEC	20	1729	10.76	19	14.50	155	1.32	44.96	40	4	.09	1.1	1.1	DEP	2.0X	236	13
2008	DEC	20	1918	18.03	19	17.72	155	15.27	6.14	30	2	.08	.5	1.1	SF1	1.3X	124	3
2008	DEC	20	2011	1.01	19	24.61	155	16.50	3.60	11	1	.04	.5	.5	SNCL	1.8X	138	1
2008	DEC	20	2108	15.17	19	11.69	155	37.26	0.76	33	3	.14	.4	.7	LSW	1.9X	90	14
2008	DEC	20	2156	34.98	19	23.67	155	2.48	7.44	21	1	.13	1.1	1.0	SF5	1.4X	183	4

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN				
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	20	2223	28.27	20	5.30	155	47.66	22.28	27	1	.10	2.5	2.8	KOH	1.7X	187	5
2008	DEC	20	2311	7.63	19	24.88	155	39.29	2.98	12		.07	1.0	.6	MLO	1.2X	203	3
2008	DEC	20	2356	34.09	19	23.96	155	16.68	1.51	8	1	.05	.3	.3	SSCL	.6X	103	0
2008	DEC	21	0949	40.65	19	23.92	155	16.83	2.00	11	1	.10	.4	.3	SSCL	1.2X	98	0
2008	DEC	21	1041	43.62	19	24.13	155	17.17	3.05	10	1	.05	.4	.4	SSCL	1.1X	95	1
2008	DEC	21	1058	8.22	19	22.84	155	16.31	2.99	9	1	.01	.6	.4	SECL	1.2X	147	1
2008	DEC	21	1130	40.67	19	24.96	155	16.17	4.72	8	1	.02	.8	1.1	SNCL	.9X	171	2
2008	DEC	21	1131	19.55	19	24.44	155	16.22	2.54	9	1	.05	.5	.5	SECL	1.1X	135	1
2008	DEC	21	1131	26.02	19	23.92	155	16.88	1.77	10	1	.04	.3	.3	SSCL	1.6X	96	0
2008	DEC	21	1212	47.88	19	24.19	155	17.13	2.24	10	1	.05	.3	.3	SSCL	1.7X	99	1
2008	DEC	21	1214	46.47	19	24.13	155	17.07	2.15	10	1	.06	.4	.3	SSCL	1.2X	99	1
2008	DEC	21	1217	35.10	19	23.31	155	16.68	3.99	9	1	.04	.6	.6	SSCL	1.1X	138	0
2008	DEC	21	1352	28.06	19	23.90	155	16.44	1.95	7	1	.04	.5	.6	SECL	1.3X	104	0
2008	DEC	21	1455	4.68	19	19.81	155	2.71	7.20	20	2	.06	.8	.7	SF5	1.2X	209	9
2008	DEC	21	1502	52.43	19	24.41	155	17.11	1.63	10	1	.04	.3	.3	SSCL	1.7X	109	1
2008	DEC	21	1510	43.01	19	24.06	155	16.98	2.07	8	1	.04	.3	.3	SSCL	1.1X	99	1
2008	DEC	21	1511	31.75	19	24.11	155	17.03	2.08	15	2	.06	.3	.3	SSCL	1.8X	99	1
2008	DEC	21	1550	2.42	19	24.21	155	16.99	1.88	10	1	.05	.4	.3	SSCL	1.4X	105	1
2008	DEC	21	1556	21.41	19	24.68	155	16.81	3.51	8	1	.04	.9	1.0	SNCL	1.0X	135	1
2008	DEC	21	1557	55.01	19	24.01	155	17.13	1.92	12	1	.04	.3	.3	SSCL	1.8X	92	1
2008	DEC	21	1558	9.34	19	24.06	155	16.75	1.13	13	2	.06	.3	.2	SSCL	1.5X	105	0
2008	DEC	21	1629	39.67	19	23.78	155	16.52	0.80	10		.05	.3	.2	SSCT	1.5X	97	0
2008	DEC	21	1630	57.87	19	24.96	155	16.01	8.83	11	1	.03	1.3	1.3	INTL	1.6X	173	2
2008	DEC	21	1631	0.42	19	25.04	155	16.64	3.89	13	2	.06	.5	.5	SNC	1.0X	167	2
2008	DEC	21	1631	0.37	19	26.80	155	17.40	22.22	12	1	.04	2.7	2.1	DEPL	1.9X	171	3
2008	DEC	21	1631	7.87	19	23.55	155	16.19	2.67	10	3	.05	.4	.5	SECL	1.2U	92	1
2008	DEC	21	1632	33.43	19	24.60	155	16.81	15.46	19	2	.10	1.3	.7	DEPL	2.0X	129	1
2008	DEC	21	1633	37.81	19	25.03	155	17.74	11.19	16	2	.05	.7	.7	INTL	1.8X	77	1
2008	DEC	21	1635	41.07	19	24.89	155	16.06	10.55	26	2	.09	.5	.6	INTL	1.9X	85	2
2008	DEC	21	1636	28.78	19	24.60	155	16.63	12.37	18	1	.06	1.1	.8	INTL	1.6X	136	1
2008	DEC	21	1637	7.77	19	25.03	155	17.10	10.65	21	2	.10	.7	.7	INTL	1.5X	138	1
2008	DEC	21	1637	41.87	19	24.26	155	16.37	12.21	21	1	.09	.9	.7	INTL	1.8X	122	1
2008	DEC	21	1638	14.42	19	25.37	155											

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	DEC	21	1656	21.75	19	23.51	155	16.64	7.14	18	2	.08	.6	.7	INTL	1.7X	71	1
2008	DEC	21	1657	10.12	19	24.17	155	17.22	11.50	24	2	.07	.6	.7	INTL	2.0X	95	1
2008	DEC	21	1658	20.52	19	23.69	155	16.49	12.10	13	1	.08	1.1	1.6	INTL	1.5X	90	0
2008	DEC	21	1659	15.52	19	24.69	155	17.32	14.64	14	1	.07	1.2	1.3	DEPL	1.7X	110	1
2008	DEC	21	1659	56.11	19	24.63	155	16.69	6.05	14	1	.04	.6	.7	INTL	1.4X	136	1
2008	DEC	21	1700	54.35	19	23.75	155	16.40	6.70	14	1	.05	.7	.8	INTL	1.4X	98	0
2008	DEC	21	1702	45.65	19	23.64	155	16.95	12.52	13	1	.07	1.0	1.5	INTL	1.7X	71	0
2008	DEC	21	1703	54.90	19	23.26	155	16.98	11.59	12	1	.06	1.1	2.0	INTL	1.6X	67	0
2008	DEC	21	1705	41.56	19	24.02	155	17.85	10.32	13	2	.06	1.1	.9	INTL	1.5X	108	2
2008	DEC	21	1708	12.47	19	23.34	155	16.62	5.86	12	2	.06	.7	.9	INTL	1.3X	100	1
2008	DEC	21	1710	2.98	19	23.07	155	16.92	17.17	15	2	.06	1.4	.9	DEPL	1.8X	114	1
2008	DEC	21	1712	17.79	19	24.36	155	16.85	10.97	11	1	.06	1.4	1.0	INTL	1.6X	116	1
2008	DEC	21	1714	19.38	19	23.54	155	15.66	15.07	17	2	.08	1.4	.6	DEPL	1.7X	91	2
2008	DEC	21	1715	51.22	19	25.49	155	16.61	11.34	11	1	.05	1.8	1.3	INTL	1.7X	205	2
2008	DEC	21	1718	28.26	19	24.91	155	16.11	12.50	12	1	.05	1.2	1.0	INTL	1.7X	151	2
2008	DEC	21	1720	7.13	19	21.48	155	16.04	13.01	9	1	.05	2.0	3.0	DEPL	1.4X	226	2
2008	DEC	21	1722	10.32	19	23.93	155	17.04	17.46	10	1	.05	2.7	2.8	DEPL	1.6X	92	1
2008	DEC	21	1723	52.20	19	24.78	155	16.25	13.61	15	1	.08	1.0	1.1	DEPL	1.8X	146	2
2008	DEC	21	1726	11.21	19	23.98	155	15.68	15.02	8	1	.05	1.9	1.3	DEPL	1.7X	239	3
2008	DEC	21	1735	28.68	19	17.59	155	13.31	5.71	26	2	.07	.5	.9	SF2	1.4X	104	1
2008	DEC	21	1750	21.43	19	24.76	155	17.13	3.56	12	1	.04	.5	.4	SNCL	1.1X	126	1
2008	DEC	21	1753	28.38	19	23.99	155	16.19	4.52	10	1	.05	.6	.5	SECL	.9X	162	1
2008	DEC	21	1755	49.37	19	23.35	155	15.90	3.44	9	1	.04	.4	.6	SECL	1.2X	91	2
2008	DEC	21	1757	32.33	19	23.93	155	16.03	15.41	14	1	.10	1.7	1.5	DEPL	1.6X	110	1
2008	DEC	21	1800	23.97	19	24.35	155	17.71	9.14	8	1	.05	1.4	2.3	INTL	1.3X	114	2
2008	DEC	21	1805	50.29	19	24.13	155	17.50	8.53	7	1	.03	1.3	2.4	INTL	1.3X	115	2
2008	DEC	21	1806	1.69	19	23.93	155	16.40	11.82	11	1	.05	1.0	1.3	INTL	1.3X	106	0
2008	DEC	21	1810	27.08	19	24.93	155	16.76	7.29	17	1	.06	.6	.6	INTL	1.1X	147	2
2008	DEC	21	2011	56.05	18	51.59	155	5.05	43.87	39	2	.10	1.9	1.7	LOI	2.3X	273	48
2008	DEC	21	2042	56.32	19	24.28	155	17.80	5.61	9	2	.06	.9	1.5	INTL	1.7X	116	2
2008	DEC	21	2121	15.73	19	24.32	155	17.15	1.82	14	2	.05	.3	.3	SSCL	1.8X	103	1
2008	DEC	21	2205	23.91	20	0.33	155	45.58	28.76	34	4	.08	.8	1.3	KOH	2.0X	155	14
2008	DEC	22	0029	32.18	19	24.15	155	17.35	1.90	9	1	.05	.4	.4	SSCL	1.3X	106	1
2008	DEC	22	0036	17.79	19	21.75	155	24.67	14.17	44	6	.09	.3	.3	DEP	2.3X	37	4
2008	DEC	22	0111	49.80	19	13.58	156	20.79	35.24	38	5	.11	1.4	2.2	DISF	3.4X	280	50
2008	DEC	22	0230	28.23	19	24.68	155	16.50	3.26	11	1	.03	.4	.4	SNCL	1.6X	141	1
2008	DEC	22	0336	35.55	19	24.86	155	16.61	2.40	11	1	.05	.4	.4	SNCL	1.4X	146	2
2008	DEC	22	0448	1.35	19	18.20	155	13.09	8.67	32	1	.09	.5	.6	SF2	1.5X	135	2
2008	DEC	22	0454	40.33	19	24.76	155	16.08	3.28	8	1	.04	.6	.8	SNCL	1.4X	158	2
2008	DEC	22	0515	20.11	19	21.79	155	24.59	12.81	23	1	.09	.6	1.1	SWR	1.4X	59	4
2008	DEC	22	0516	50.12	19	21.72	155	24.52	14.05	45	7	.10	.4	.3	DEP	2.1X	38	4
2008	DEC	22	0529	20.11	19	55.25	155	21.53	10.23	11	1	.15	1.5	.8	KEA	1.3X	254	4
2008	DEC	22	0535	22.32	19	21.62	155	24.63	14.12	36	5	.09	.5	.5	DEP	2.0X	44	4
2008	DEC	22	0619	6.96	19	23.99	155	16.39	2.21	12	1	.03	.3	.3	SECL	1.5X	109	0
2008	DEC	22	0711	15.85	19	20.11	155	10.96	7.82	32	4	.11	.5	.8	SF3	1.7X	84	5

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	GAP	DS
2008	DEC	22	1027	19.05	19	14.70	155	31.51	12.25	17	1	.10	.7	1.8	LSW	1.7X	103	3
2008	DEC	22	1030	17.92	19	23.96	155	16.45	1.86	10	1	.03	.3	.3	SECL	1.2X	107	0
2008	DEC	22	1056	47.92	19	24.69	155	17.20	2.51	11	1	.05	.4	.3	SNCL	1.8X	118	1
2008	DEC	22	1057	22.17	19	24.09	155	17.16	1.95	11	1	.03	.3	.3	SSCL	1.7X	94	1
2008	DEC	22	1254	25.46	19	21.16	155	15.17	1.73	26	3	.08	.2	.5	KOA	2.2X	68	3
2008	DEC	22	1347	56.90	19	24.40	155	16.98	1.45	21	3	.09	.3	.3	SSCL	1.9X	89	1
2008	DEC	22	1453	36.85	19	21.88	155	24.71	13.39	19	1	.09	.6	1.1	DEP	1.5X	59	4
2008	DEC	22	1501	30.54	19	19.52	155	11.90	5.98	25	1	.09	.5	1.1	SF3	1.6X	91	5
2008	DEC	22	1527	50.61	19	27.67	155	15.76	3.58	10	1	.06	1.9	1.3	SNCL	1.6X	268	5
2008	DEC	22	1542	2.52	19	23.81	155	15.35	2.05	10	1	.03	.4	.5	SECL	1.5X	101	2
2008	DEC	22	1607	38.98	19	14.29	156	21.46	41.83	16	3	.11	3.0	3.2	DIS	1.6X	326	51
2008	DEC	22	1656	8.18	19	25.71	155	17.15	9.25	9	1	.06	2.1	1.8	INTL	1.7X	236	1
2008	DEC	22	1913	23.23	19	24.19	155	17.03	1.69	20	3	.06	.3	.2	SSC	2.0X	103	1
2008	DEC	22	1947	48.83	19	55.53	155	34.42	7.00	13		.08	1.1	1.2	KOH	1.7X	227	12
2008	DEC	22	2015	29.09	19	15.30	155	33.02	8.58	25	1	.11	.4	1.1	LSW	1.9X	105	5
2008	DEC	22	2133	2.24	19	24.24	155	16.92	1.57	17	3	.08	.3	.2	SSC	1.9X	108	1
2008	DEC	22	2233	22.20	19	19.77	155	7.65	7.89	35	4	.07	.4	.6	SF4	1.9X	130	5
2008	DEC	22	2324	44.13	19	24.36	155	16.68	1.97	7	1	.04	.5	.6	SSCL	1.4X	125	1
2008	DEC	23	0027	59.07	18	52.60	155	28.21	36.94	22	1	.06	3.0	2.1	DLS	1.7X	270	24
2008	DEC	23	0031	3.23	19	24.33	155	16.03	2.66	9	1	.05	.5	.6	SECL	1.2X	131	1
2008	DEC	23	0348	0.79	19	19.27	155	13.61	7.36	37	4	.12	.4	.7	SF2	1.8X	67	4
2008	DEC	23	0710	28.36	19	24.13	155	16.49	3.52	11	1	.05	.4	.4	SECL	1.8X	113	0
2008	DEC	23	0809	44.61	19	21.31	156	1.74	12.93	15		.1111.5	.8	KON	-	1.7X	290	19
2008	DEC	23	0947	26.98	19	25.99	155	16.48	7.39	7	1	.05	2.1	2.6	INTL	1.6X	241	2
2008	DEC	23	1146	43.96	20	7.28	155	59.47	12.32	14		.10	7.1	1.4	KOH	2.2X	276	22
2008	DEC	23	1214	59.81	19	24.07	155	16.90	2.37	11	1	.03	.4	.3	SSCL	1.5X	102	1
2008	DEC	23	1435	16.08	19	25.86	155	15.99	2.22	10	1	.05	.6	.5	SNCL	1.6X	179	3
2008	DEC	23	1638	46.14	19	24.69	155	16.37	2.18	7	1	.05	.5	.7	SNCL	.9X	148	2
2008	DEC	23	2009	8.55	19	18.97	155	17.84	33.43	27	2	.11	1.0	1.7	DEP	1.6X	112	7
2008	DEC	23	2032	56.90	19	24.38	155	16.54	2.63	10	1	.03	.4	.4	SSCL	1.8X	125	1
2008	DEC	23	2129	58.40	19	19.82	155	3.71	2.21	24	2	.12	.8	1.3	SSF	1.3X	193	8
2008	DEC	24	0000	1.59	19	25.57	155	17.46	5.61	9	1	.05	1.5					

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	24	1859	45.36	19	23.71	155	19.15	2.90	7	1	.03	2.4	.9	KAOL	1.3X	289	4
2008	DEC	24	1926	53.71	19	22.39	155	18.04	2.18	11	2	.16	.6	.7	SSC	1.3X	158	3
2008	DEC	24	2112	57.44	19	49.37	155	19.87	35.45	42	6	.09	.6	1.2	KEA	2.1X	121	8
2008	DEC	24	2205	52.73	19	15.43	155	30.53	11.33	20	1	.11	.6	1.2	LSW	1.7X	116	1
2008	DEC	24	2208	10.88	19	26.05	155	37.57	3.09	36	5	.11	.3	.5	MLO	2.9X	93	3
2008	DEC	25	0054	0.65	19	18.97	155	13.74	7.72	27	2	.08	.5	.8	SF2	1.6X	73	4
2008	DEC	25	0410	53.93	19	49.45	155	33.87	18.85	18	2	.06	.7	1.5	KEA	1.6X	105	11
2008	DEC	25	0414	0.10	19	24.05	155	17.09	1.75	11	1	.05	.3	.3	SSCL	1.2X	95	1
2008	DEC	25	0654	48.97	19	24.55	155	17.06	4.11	9	1	.04	.6	.7	SNCL	1.1X	118	1
2008	DEC	25	0727	36.02	19	19.13	155	12.86	6.54	30	2	.09	.4	.8	SF2	1.8X	86	4
2008	DEC	25	0759	58.32	19	24.54	155	15.81	3.30	8	1	.04	.6	.9	SNCL	.9X	147	2
2008	DEC	25	1232	58.10	19	22.13	155	17.99	2.64	16	2	.06	.3	.6	SSC	1.6X	64	3
2008	DEC	25	1322	51.78	19	23.44	156	11.36	41.57	44	7	.10	1.2	1.4	KON	2.6X	258	30
2008	DEC	25	1516	33.28	19	24.57	155	17.10	2.66	11	2	.06	.4	.4	SNCL	1.8X	116	2
2008	DEC	25	2122	10.40	19	20.17	155	11.85	5.32	29	2	.12	.5	1.1	SF3	1.5X	79	5
2008	DEC	26	0115	30.89	19	23.81	155	17.26	3.28	11	2	.04	.6	.4	SSCL	1.7X	93	1
2008	DEC	26	0134	12.91	19	21.01	155	7.87	8.82	32	3	.08	.4	.6	SF4	2.0X	118	4
2008	DEC	26	0218	24.83	19	21.06	155	30.18	10.19	24	1	.07	.4	.9	KAO	1.5X	78	5
2008	DEC	26	0236	9.41	19	20.12	155	6.93	7.11	23		.08	.5	1.0	SF4	1.7X	143	5
2008	DEC	26	0301	28.88	19	23.08	155	16.71	2.18	7	1	.04	1.1	.5	SSCL	1.2X	194	1
2008	DEC	26	0502	26.71	19	24.05	155	16.49	1.53	10	1	.09	.4	.3	SECL	1.0U	109	0
2008	DEC	26	0536	13.95	19	23.57	155	15.90	1.22	9	1	.08	.5	.5	SECL	1.0U	139	1
2008	DEC	26	0556	26.96	19	24.93	155	38.88	2.68	10	3	.10	1.1	.7	MLO	1.1U	194	2
2008	DEC	26	0744	17.98	19	23.70	155	18.07	0.39	6	1	.10	1.4	.9	SSCL	1.3U	252	2
2008	DEC	26	1151	8.49	19	24.13	155	16.56	1.41	10	1	.06	.3	.3	SSCL	1.0U	112	0
2008	DEC	26	1206	51.28	19	23.84	155	16.37	1.88	9	1	.07	.4	.3	SECL	1.1U	102	0
2008	DEC	26	1315	13.77	19	24.34	155	17.21	1.99	7	1	.05	.9	.5	SSCL	1.1U	176	1
2008	DEC	26	1348	44.29	19	24.16	155	16.95	1.95	9	1	.06	.4	.3	SSCL	1.2U	104	1
2008	DEC	26	1414	28.30	19	24.34	155	16.13	0.03	8	1	.07	.2	.6	SECL#	1.6U	130	1
2008	DEC	26	1428	11.84	19	24.27	155	16.78	1.65	10	1	.05	.4	.3	SSCL	1.2U	113	1
2008	DEC	26	1435	33.47	19	24.15	155	16.60	1.63	9	1	.05	.4	.3	SSCL	1.0U	113	0
2008	DEC	26	1441	31.28	19	23.68	155	17.11	2.22	10	1	.08	.6	.3	SSCL	1.5U	89	1
2008	DEC	26	1547	54.75	19	27.91	155	25.65	10.78	16		.12	.7	1.6	KAO	1.0U	74	5
2008	DEC	26	1709	59.52	19	25.87	155	16.21	7.30	8	1	.05	1.8	1.1	INTL	1.2U	232	3
2008	DEC	26	1825	40.23	19	24.36	155	16.51	3.82	9	1	.04	.6	.8	SSCL	1.4U	125	1
2008	DEC	26	1826	11.39	19	23.89	155	16.62	1.45	9	1	.06	.5	.3	SSCL	1.1U	102	0
2008	DEC	26	1904	32.37	19	24.54	155	16.51	1.49	8		.02	.3	.5	SNCL	1.0U	136	1
2008	DEC	26	1927	54.31	19	24.40	155	16.95	1.54	9		.06	.4	.3	SSCL	1.2U	114	1
2008	DEC	26	2042	11.86	19	32.48	155	11.36	8.92	14	1	.08	1.0	3.8	GLN	1.3U	199	15
2008	DEC	26	2057	26.69	19	6.84	155	28.17	31.40	32	1	.08	.8	1.5	DLS	1.4U	183	5
2008	DEC	26	2235	48.25	19	24.15	155	16.82	1.74	10	1	.07	.4	.3	SSCL	1.2U	107	1
2008	DEC	27	0036	4.14	19	24.11	155	17.34	1.80	9	1	.05	.5	.3	SSCL	1.1U	89	1
2008	DEC	27	0054	21.47	19	24.09	155	16.95	1.56	10	1	.05	.5	.3	SSCL	1.1U	101	1
2008	DEC	27	0057	42.62	19	24.34	155	16.70	1.68	10	1	.08	.4	.3	SSCL	1.6U	119	1
2008	DEC	27	0103	51.08	19	23.89	155	15.67	1.46	9	1	.02	.3	.4	SECL	1.0U	108	2

---ORIGIN TIME (HST)---		-LAT N--		--LON W--		DEPTH	N	N	RMS	ERH	ERZ	LOC	PREF	AZ	MIN			
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	27	0139	42.73	19	19.68	155	14.91	6.97	33		.10	.4	.8	SF1	1.3U	79	5
2008	DEC	27	0205	47.09	19	23.92	155	16.36	0.36	11	1	.07	.2	.3	SECL	1.4U	106	0
2008	DEC	27	0211	36.87	19	24.14	155	16.84	1.72	12	1	.06	.3	.2	SSCL	1.5U	106	1
2008	DEC	27	0414	50.58	19	26.94	155	28.10	10.06	22	2	.10	.4	1.0	KAO	1.1U	67	8
2008	DEC	27	0629	29.50	19	23.95	155	16.81	1.83	12	1	.04	.3	.2	SSCL	1.2U	99	0
2008	DEC	27	0630	15.70	19	24.10	155	16.18	0.39	8	1	.13	.3	.6	SECL	1.0U	117	1
2008	DEC	27	0637	2.33	19	24.50	155	15.99	0.99	7	1	.08	.3	.8	SECL	1.0U	135	2
2008	DEC	27	1441	11.28	19	20.78	155	5.37	4.12	17	1	.09	1.0	3.4	SSF	1.3X	206	6
2008	DEC	27	1914	56.94	19	22.26	155	28.05	4.67	14	1	.11	.5	.8	KAO	1.3X	70	1
2008	DEC	27	2237	36.33	19	27.82	155	51.31	8.04	18	2	.14	.8	1.9	KON	1.4X	116	7
2008	DEC	27	2300	8.27	19	25.39	155	26.99	7.33	16	1	.12	.5	1.6	KAO	1.3X	65	5
2008	DEC	27	2308	5.15	19	18.51	155	14.12	7.11	36	2	.10	.4	.6	SF2	1.7X	79	3
2008	DEC	27	2336	45.16	19	24.02	155	15.82	1.93	8	1	.04	.3	.6	SECL	1.5X	114	1
2008	DEC	28	0056	5.96	19	21.97	155	49.62	10.39	31	3	.14	.4	.6	KON	2.0X	122	12
2008	DEC	28	0502	39.65	19	24.07	155	16.66	2.81	10	1	.05	.5	.3	SSCL	1.5X	107	0
2008	DEC	28	0529	1.56	19	24.38	155	15.92	2.81	10	1	.05	.4	.5	SECL	1.7X	130	1
2008	DEC	28	0916	45.12	19	11.84	155	26.36	5.84	17	2	.12	.6	1.4	LSW	1.2X	158	5
2008	DEC	28	1055	28.55	19	23.20	155	14.82	2.60	12	2	.05	.4	.3	SEC	1.5X	84	2
2008	DEC	28	1154	17.73	19	12.20	155	26.84	3.17	21		.13	.5	1.7	LSW	1.4X	127	5
2008	DEC	28	1209	6.04	19	11.73	155	27.26	6.91	34	3	.12	.5	1.0	LSW	2.1X	123	4
2008	DEC	28	1219	19.91	19	19.53	155	4.48	5.40	20	1	.12	.8	2.2	SF5	1.7X	190	7
2008	DEC	28	1339	16.60	19	12.39	155	27.56	3.86	42	4	.11	.4	1.4	LSW	2.3X	111	5
2008	DEC	28	1339	24.51	19	11.90	155	27.48	6.61	40	5	.11	.4	1.0	LSWF	3.0X	116	4
2008	DEC	28	1427	22.22	19	12.20	155	27.12	3.02	19		.14	.5	2.0	LSW	1.4X	126	5
2008	DEC	28	1550	27.73	19	29.33	154	54.50	2.45	22	1	.15	2.3	1.0	SLE	1.4X	230	4
2008	DEC	28	1610	31.25	19	23.97	155	16.51	2.27	10	1	.05	.4	.3	SSCL	1.5X	106	0
2008	DEC	28	1642	27.99	19	11.82	155	26.57	3.85	16		.10	.7	2.1	LSW	1.1X	142	5
2008	DEC	28	1745	40.97	19	49.54	155	34.19	19.75	20	2	.10	.8	2.1	KEA	1.6X	106	10
2008	DEC	28	2026	41.59	19	29.13	155	27.43	26.55	19	3	.08	.8	1.3	DML	2.0X	66	5
2008	DEC	28	2202	16.66	19	23.87	155	16.70	2.64	11	1	.04	.5	.3	SSCL	1.2X	99	0
2008	DEC	29	0117	56.97	19	10.79	155	32.98	7.60	21	1	.10	.6	1.3	LSW	1.6X	159	9
2008	DEC	29	0307	3.82	19	12.26	155	27.32	6.89	41	4	.14	.4	.9	LSW	2.4X	117	5
2008	DEC	29	0312	15.77	19	18.11	155	29.09	9.80	22	1	.10	.4	.8	LSW	1.6X	59	6
2008	DEC	29	0336	35.38	19	26.52	155	15.97	7.47									

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH		N N RMS		ERH	ERZ	LOC	PREF	AZ	MIN	
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKs	MAG	GAP	DS
2008	DEC	30	0156	19.62	19	24.91	155	29.69	8.67	27	2	.09	.3	.9	KAO	1.3X	65	6
2008	DEC	30	0205	46.24	19	24.61	155	29.85	10.07	41	6	.07	.3	.6	KAO	2.2X	34	6
2008	DEC	30	0215	43.67	19	24.78	155	29.32	9.05	21	1	.06	.4	.9	KAO	1.3X	64	5
2008	DEC	30	0503	39.37	19	21.53	155	30.43	8.53	22	1	.09	.4	.9	KAO	1.3X	79	5
2008	DEC	30	0716	54.36	19	24.11	155	16.73	2.20	10	1	.06	.4	.3	SSCL	1.3X	107	0
2008	DEC	30	0817	26.17	19	23.81	155	16.12	1.58	8	1	.05	.3	.5	SECL	1.1X	104	1
2008	DEC	30	0824	53.96	19	24.54	155	16.65	0.88	10	1	.05	.3	.4	SSCL	1.6X	132	1
2008	DEC	30	1312	3.97	19	19.22	155	13.12	7.64	30	2	.10	.5	.8	SF2	1.9X	79	4
2008	DEC	30	1443	35.30	19	20.74	154	45.94	42.15	29	3	.11	2.1	1.1	LER	2.3X	296	21
2008	DEC	30	1852	12.51	19	27.75	155	25.02	8.58	12	1	.12	.6	1.9	KAO	1.5X	70	5
2008	DEC	30	1855	53.12	19	31.38	155	42.74	8.78	20	3	.11	.8	1.7	MLO	1.3X	174	6
2008	DEC	30	2117	33.50	19	23.56	155	16.63	1.79	11	1	.05	.4	.2	SSCL	1.5X	89	1
2008	DEC	30	2132	57.23	19	24.52	155	16.75	2.01	9	1	.07	.5	.5	SSCL	1.4X	127	1
2008	DEC	30	2208	13.82	19	24.04	155	16.61	3.44	9	1	.04	.5	.6	SSCL	1.4X	107	0
2008	DEC	31	0005	7.41	19	23.93	155	25.62	8.60	20	2	.10	.5	.9	KAO	1.6X	72	4
2008	DEC	31	0149	35.28	19	44.76	156	7.59	16.64	19		.11	3.0	15.2	HUA -	2.0X	247	36
2008	DEC	31	0150	27.52	19	24.02	155	16.60	1.26	8	1	.04	.4	.3	SSCL	1.1X	106	0
2008	DEC	31	0247	18.35	19	24.55	155	16.95	2.71	12	2	.06	.4	.3	SNCL	1.7X	122	1
2008	DEC	31	0247	21.53	19	25.14	155	16.34	0.76	14	2	.07	.3	.4	SNCL	1.6X	156	2
2008	DEC	31	0300	37.06	19	24.54	155	16.18	2.00	11	1	.07	.3	.4	SECL	1.5X	137	1
2008	DEC	31	0314	21.59	19	23.93	155	16.63	2.49	10	1	.06	.5	.3	SSCL	1.3X	103	0
2008	DEC	31	0343	47.83	19	20.55	155	30.27	10.12	13	1	.05	.5	1.2	KAO	1.0X	80	6
2008	DEC	31	0506	29.82	19	19.15	155	9.73	6.49	27	2	.10	.5	1.1	SF3	1.5X	104	5
2008	DEC	31	0528	4.28	19	24.30	155	16.38	1.81	10	1	.03	.3	.4	SECL	1.5X	124	1
2008	DEC	31	1024	59.69	19	24.19	155	16.89	1.82	16	2	.06	.3	.2	SSCL	2.0X	107	1
2008	DEC	31	1319	8.32	19	29.28	155	27.78	7.47	14	3	.07	.4	1.5	KAO	1.5X	89	5
2008	DEC	31	1705	42.58	19	27.10	155	51.49	7.66	36	6	.13	.4	.6	KON	2.2X	119	7
2008	DEC	31	2000	48.21	19	24.25	155	16.72	2.01	15	1	.05	.3	.3	SSCL	1.6X	114	1
2008	DEC	31	2127	43.02	19	23.76	155	16.84	0.84	11	1	.05	.2	.2	SSCL	1.2X	80	0

Table 5. List of the 51 events of magnitude 3.0 or greater, selected from table 4.

---ORIGIN TIME (HST)---				-LAT N--		--LON W--		DEPTH	N N		RMS	ERH	ERZ	LOC	PREF	N AZ MIN		
YEAR	MON	DA	HRMN	SEC	DEG	MIN	DEG	MIN	KM	RD	S	SEC	KM	KM	REMKS	MAG	RD	GAP DS
2008	FEB	6	0113	50.55	19	27.15	155	16.50	26.05	5111	.12		.5	.8	DEPF	3.2X	51	4
2008	FEB	15	1059	21.38	19	20.57	155	8.17	8.50	5113	.10		.4	.4	SF4	3.1X	173	5
2008	FEB	15	1130	54.61	19	19.30	155	7.50	9.58	4712	.09		.4	.3	SF4F	3.1X	139	4
2008	FEB	19	1814	47.71	19	19.18	155	13.20	10.18	49 9	.13		.5	.4	SF2F	3.9U	122	6
2008	MAR	14	0222	19.89	19	25.78	155	37.21	2.73	44 9	.13		.3	.4	MLOF	3.4U	65	3
2008	APR	4	1630	31.61	20	55.11	156	23.58	9.63	44 7	.10	1.8	1.2	DISF	3.1X	204108		
2008	APR	22	1908	8.56	19	16.40	155	33.39	9.54	4511	.11		.3	.7	LSWF	3.1X	59	6
2008	MAY	6	0915	32.79	18	59.74	155	27.95	41.01	5313	.09		.8	1.0	DLSF	3.2X	219	18
2008	MAY	22	0844	31.92	19	22.06	155	14.47	1.48	4811	.11		.2	.2	SECFL	3.7U	55	3
2008	MAY	22	2226	19.84	19	22.28	155	14.07	1.77	46 9	.13		.2	.3	SECFL	3.6U	53	2
2008	JUN	17	1355	25.04	19	51.61	156	0.37	42.72	5512	.12		.8	1.3	HUAF	3.6X	178	26
2008	JUN	18	1543	28.84	19	54.41	155	51.64	40.35	5413	.10		.6	1.2	HUAF	3.0X	191	22
2008	JUN	29	0634	13.20	20	20.93	156	22.00	21.39	48 8	.13	1.4	5.1	DISF	3.3X	315	66	
2008	JUL	8	0006	40.54	19	24.22	155	16.94	1.37	14 2	.07		.3	.2	SSCFB	3.1U	106	1
2008	JUL	8	0038	11.70	19	23.57	155	17.52	0.39	13 2	.09		.3	.3	SSCFB	3.0U	147	1
2008	JUL	12	1550	32.17	19	21.72	155	19.03	31.06	5212	.12		.5	.7	DEP	3.0X	39	4
2008	AUG	1	0125	4.76	20	25.24	156	5.24	14.37	5413	.12	1.0	1.9	DISF	3.2X	161	37	
2008	AUG	13	0101	42.90	21	32.41	158	30.17	20.69	5 1	.10	2.3	13.5	DISF-	3.9X	177	52	
2008	AUG	28	0152	30.28	19	16.53	155	7.22	35.37	47 8	.10		.7	.9	DEPF	3.2X	195	2
2008	SEP	1	0654	10.27	19	43.71	156	5.38	7.12	4910	.12	1.0		.5	HUAF	3.3X	277	27
2008	SEP	7	0534	48.21	19	12.69	155	32.00	36.02	5214	.07		.5	.9	DLSF	3.2X	81	6
2008	SEP	15	1657	51.07	19	40.35	156	4.33	25.32	38 1	.10	1.9	3.0	HUAF	3.1X	237	37	
2008	SEP	19	1759	43.19	19	19.49	155	6.52	9.78	4811	.10		.6	.3	SF4F	4.3U	160	5
2008	SEP	27	2018	2.32	19	39.97	156	3.81	34.36	5011	.10		.9	1.4	HUAF	3.2X	235	25
2008	DEC	6	1653	17.51	19	18.56	155	13.39	9.43	4510	.10		.4	.4	SF2F	3.4X	80	3
2008	DEC	22	0111	49.80	19	13.58	156	20.79	35.24	38 5	.11	1.4	2.2	DISF	3.4X	280	50	

Figures 25–79. Focal mechanism solutions computed by using the computer program FPFIT (Reasenber and Oppenheimer, 1985, U.S. Geological Survey Open-File Report 85–739) for events listed in table 5. If calculated, multiple solutions are offered. The solutions are presented without interpretation.

20080219 18:14 47.71
19 19.18 155 13.20
DEPTH = 10.18 KM
MAG = 3.90 U

RMS = 0.13 S
DMIN = 6 KM
AZM GAP = 122
FM = 41

ERH = 0.5 KM
ERZ = 0.4 KM
MISFIT = 0.23 (+.03)
STDR = 0.58
STRIKE UNCERTAINTY = 6
DIP UNCERTAINTY = 13
RAKE UNCERTAINTY = 18
% MACHINE PICKS = 0

Figure 29

20080219 18:14 47.71 (MULTIPLE RMS = 0.13 S
19 19.18 155 13.20
DEPTH = 10.18 KM
MAG = 3.90 U

DMIN = 6 KM
AZM GAP = 122
FM = 41

ERH = 0.5 KM
ERZ = 0.4 KM
MISFIT = 0.25 (+.03)
STDR = 0.63
STRIKE UNCERTAINTY = 6
DIP UNCERTAINTY = 10
RAKE UNCERTAINTY = 13
% MACHINE PICKS = 0

Figure 30

20080219 18:14 47.71 (MULTIPLE RMS = 0.13 S
19 19.18 155 13.20
DEPTH = 10.18 KM
MAG = 3.90 U

DMIN = 6 KM
AZM GAP = 122
FM = 41

ERH = 0.5 KM
ERZ = 0.4 KM
MISFIT = 0.24 (+.03)
STDR = 0.67
STRIKE UNCERTAINTY = 10
DIP UNCERTAINTY = 7
RAKE UNCERTAINTY = 15
% MACHINE PICKS = 0

Figure 31

20080314 02:22 19.89
19 25.78 155 37.21
DEPTH = 2.73 KM
MAG = 3.40 U

RMS = 0.13 S
DMIN = 3 KM
AZM GAP = 65
FM = 37

ERH = 0.3 KM
ERZ = 0.4 KM
MISFIT = 0.06 (+.03)
STDR = 0.76
STRIKE UNCERTAINTY = 7
DIP UNCERTAINTY = 28
RAKE UNCERTAINTY = 8
% MACHINE PICKS = 0

Figure 32

20080314 02:22 19.89 (MULTIPLE RMS = 0.13 S ERH = 0.3 KM STRIKE UNCERTAINTY = 10
 19 25.78 155 37.21 DMIN = 3 KM ERZ = 0.4 KM DIP UNCERTAINTY = 8
 DEPTH = 2.73 KM AZM GAP = 65 MISFIT = 0.06 (+.03) RAKE UNCERTAINTY = 10
 MAG = 3.40 U # FM = 37 STDR = 0.69 % MACHINE PICKS = 0

Figure 33

20080314 02:22 19.89 (MULTIPLE RMS = 0.13 S ERH = 0.3 KM STRIKE UNCERTAINTY = 10
 19 25.78 155 37.21 DMIN = 3 KM ERZ = 0.4 KM DIP UNCERTAINTY = 5
 DEPTH = 2.73 KM AZM GAP = 65 MISFIT = 0.08 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.40 U # FM = 37 STDR = 0.69 % MACHINE PICKS = 0

Figure 34

20080404 16:30 31.61 RMS = 0.10 S ERH = 1.8 KM STRIKE UNCERTAINTY = 3
 20 55.11 156 23.58 DMIN = 108 KM ERZ = 1.2 KM DIP UNCERTAINTY = 3
 DEPTH = 9.63 KM AZM GAP = 204 MISFIT = 0.35 (+.03) RAKE UNCERTAINTY = 0
 MAG = 3.09 X # FM = 36 STDR = 0.07 % MACHINE PICKS = 0

Figure 35

20080422 19:08 8.56 RMS = 0.11 S ERH = 0.3 KM STRIKE UNCERTAINTY = 20
 19 16.40 155 33.39 DMIN = 6 KM ERZ = 0.7 KM DIP UNCERTAINTY = 10
 DEPTH = 9.54 KM AZM GAP = 59 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.06 X # FM = 37 STDR = 0.41 % MACHINE PICKS = 0

Figure 36

Figures 33-36

20080506 09:15 32.79 RMS = 0.09 S ERH = 0.8 KM STRIKE UNCERTAINTY = 20
 18 59.74 155 27.95 DMIN = 18 KM ERZ = 1.0 KM DIP UNCERTAINTY = 23
 DEPTH = 41.01 KM AZM GAP = 219 MISFIT = 0.09 (+.02) RAKE UNCERTAINTY = 48
 MAG = 3.18 X # FM = 40 STDR = 0.79 % MACHINE PICKS = 0

Figure 37

20080506 09:15 32.79 (MULTIPLE) RMS = 0.09 S ERH = 0.8 KM STRIKE UNCERTAINTY = 9
 18 59.74 155 27.95 DMIN = 18 KM ERZ = 1.0 KM DIP UNCERTAINTY = 9
 DEPTH = 41.01 KM AZM GAP = 219 MISFIT = 0.09 (+.03) RAKE UNCERTAINTY = 23
 MAG = 3.18 X # FM = 40 STDR = 0.75 % MACHINE PICKS = 0

Figure 38

20080522 08:44 31.92 RMS = 0.11 S ERH = 0.2 KM STRIKE UNCERTAINTY = 180
 19 22.06 155 14.47 DMIN = 3 KM ERZ = 0.2 KM DIP UNCERTAINTY = 10
 DEPTH = 1.48 KM AZM GAP = 55 MISFIT = 0.23 (+.03) RAKE UNCERTAINTY = 35
 MAG = 3.70 U # FM = 37 STDR = 0.62 % MACHINE PICKS = 0

Figure 39

20080522 22:26 19.84 RMS = 0.13 S ERH = 0.2 KM STRIKE UNCERTAINTY = 5
 19 22.28 155 14.07 DMIN = 2 KM ERZ = 0.3 KM DIP UNCERTAINTY = 11
 DEPTH = 1.77 KM AZM GAP = 53 MISFIT = 0.19 (+.03) RAKE UNCERTAINTY = 8
 MAG = 3.60 U # FM = 37 STDR = 0.46 % MACHINE PICKS = 0

Figure 40

20080617 13:55 25.04 RMS = 0.12 S ERH = 0.8 KM STRIKE UNCERTAINTY = 180
 19 51.61 156 0.37 DMIN = 26 KM ERZ = 1.3 KM DIP UNCERTAINTY = 15
 DEPTH = 42.72 KM AZM GAP = 178 MISFIT = 0.09 (+.03) RAKE UNCERTAINTY = 30
 MAG = 3.61 X # FM = 40 STDR = 0.53 % MACHINE PICKS = 0

Figure 41

20080617 13:55 25.04 (MULTIPLE RMS = 0.12 S ERH = 0.8 KM STRIKE UNCERTAINTY = 7
 19 51.61 156 0.37 DMIN = 26 KM ERZ = 1.3 KM DIP UNCERTAINTY = 10
 DEPTH = 42.72 KM AZM GAP = 178 MISFIT = 0.11 (+.02) RAKE UNCERTAINTY = 10
 MAG = 3.61 X # FM = 40 STDR = 0.77 % MACHINE PICKS = 0

Figure 42

20080617 13:55 25.04 (MULTIPLE RMS = 0.12 S ERH = 0.8 KM STRIKE UNCERTAINTY = 20
 19 51.61 156 0.37 DMIN = 26 KM ERZ = 1.3 KM DIP UNCERTAINTY = 17
 DEPTH = 42.72 KM AZM GAP = 178 MISFIT = 0.09 (+.03) RAKE UNCERTAINTY = 55
 MAG = 3.61 X # FM = 40 STDR = 0.60 % MACHINE PICKS = 0

Figure 43

20080617 13:55 25.04 (MULTIPLE RMS = 0.12 S ERH = 0.8 KM STRIKE UNCERTAINTY = 9
 19 51.61 156 0.37 DMIN = 26 KM ERZ = 1.3 KM DIP UNCERTAINTY = 13
 DEPTH = 42.72 KM AZM GAP = 178 MISFIT = 0.10 (+.03) RAKE UNCERTAINTY = 50
 MAG = 3.61 X # FM = 40 STDR = 0.42 % MACHINE PICKS = 0

Figure 44

20080618 15:43 28.84 RMS = 0.10 S ERH = 0.6 KM STRIKE UNCERTAINTY = 5
 19 54.41 155 51.64 DMIN = 22 KM ERZ = 1.2 KM DIP UNCERTAINTY = 4
 DEPTH = 40.35 KM AZM GAP = 191 MISFIT = 0.11 (+.02) RAKE UNCERTAINTY = 25
 MAG = 3.00 X # FM = 40 STDR = 0.44 % MACHINE PICKS = 0

Figure 45

20080629 06:34 13.20 RMS = 0.13 S ERH = 1.4 KM STRIKE UNCERTAINTY = 20
 20 20.93 156 22.00 DMIN = 66 KM ERZ = 5.1 KM DIP UNCERTAINTY = 23
 DEPTH = 21.39 KM AZM GAP = 315 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 18
 MAG = 3.28 X # FM = 40 STDR = 0.47 % MACHINE PICKS = 0

Figure 46

20080629 06:34 13.20 (MULTIPLE RMS = 0.13 S ERH = 1.4 KM STRIKE UNCERTAINTY = 16
 20 20.93 156 22.00 DMIN = 66 KM ERZ = 5.1 KM DIP UNCERTAINTY = 2
 DEPTH = 21.39 KM AZM GAP = 315 MISFIT = 0.06 (+.02) RAKE UNCERTAINTY = 10
 MAG = 3.28 X # FM = 40 STDR = 0.08 % MACHINE PICKS = 0

Figure 47

20080629 06:34 13.20 (MULTIPLE RMS = 0.13 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 20 20.93 156 22.00 DMIN = 66 KM ERZ = 5.1 KM DIP UNCERTAINTY = 5
 DEPTH = 21.39 KM AZM GAP = 315 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 18
 MAG = 3.28 X # FM = 40 STDR = 0.62 % MACHINE PICKS = 0

Figure 48

20080629 06:34 13.20 (MULTIPLE RMS = 0.13 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 20 20.93 156 22.00 DMIN = 66 KM ERZ = 5.1 KM DIP UNCERTAINTY = 3
 DEPTH = 21.39 KM AZM GAP = 315 MISFIT = 0.04 (+.03) RAKE UNCERTAINTY = 5
 MAG = 3.28 X # FM = 40 STDR = 0.07 % MACHINE PICKS = 0

20080708 00:06 40.54 RMS = 0.07 S ERH = 0.3 KM STRIKE UNCERTAINTY = 2
 19 24.22 155 16.94 DMIN = 1 KM ERZ = 0.2 KM DIP UNCERTAINTY = 8
 DEPTH = 1.37 KM AZM GAP = 106 MISFIT = 0.14 (+.06) RAKE UNCERTAINTY = 18
 MAG = 3.10 U # FM = 12 STDR = 0.42 % MACHINE PICKS = 0

20080708 00:06 40.54 (MULTIPLE RMS = 0.07 S ERH = 0.3 KM STRIKE UNCERTAINTY = 7
 19 24.22 155 16.94 DMIN = 1 KM ERZ = 0.2 KM DIP UNCERTAINTY = 5
 DEPTH = 1.37 KM AZM GAP = 106 MISFIT = 0.19 (+.06) RAKE UNCERTAINTY = 13
 MAG = 3.10 U # FM = 12 STDR = 0.50 % MACHINE PICKS = 0

20080708 00:38 11.70 RMS = 0.09 S ERH = 0.3 KM STRIKE UNCERTAINTY = 29
 19 23.57 155 17.52 DMIN = 1 KM ERZ = 0.3 KM DIP UNCERTAINTY = 9
 DEPTH = 0.39 KM AZM GAP = 147 MISFIT = 0.05 (+.07) RAKE UNCERTAINTY = 10
 MAG = 3.00 U # FM = 11 STDR = 0.54 % MACHINE PICKS = 0

20080708 00:38 11.70 (MULTIPLE RMS = 0.09 S ERH = 0.3 KM STRIKE UNCERTAINTY = 3
 19 23.57 155 17.52 DMIN = 1 KM ERZ = 0.3 KM DIP UNCERTAINTY = 5
 DEPTH = 0.39 KM AZM GAP = 147 MISFIT = 0.02 (+.07) RAKE UNCERTAINTY = 8
 MAG = 3.00 U # FM = 11 STDR = 0.35 % MACHINE PICKS = 0

Figure 53

20080712 15:50 32.17 RMS = 0.12 S ERH = 0.5 KM STRIKE UNCERTAINTY = 8
 19 21.72 155 19.03 DMIN = 4 KM ERZ = 0.7 KM DIP UNCERTAINTY = 7
 DEPTH = 31.06 KM AZM GAP = 39 MISFIT = 0.06 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.01 X # FM = 40 STDR = 0.66 % MACHINE PICKS = 0

Figure 54

20080801 01:25 4.76 RMS = 0.12 S ERH = 1.0 KM STRIKE UNCERTAINTY = 10
 20 25.24 156 5.24 DMIN = 37 KM ERZ = 1.9 KM DIP UNCERTAINTY = 8
 DEPTH = 14.37 KM AZM GAP = 161 MISFIT = 0.20 (+.03) RAKE UNCERTAINTY = 60
 MAG = 3.24 X # FM = 40 STDR = 0.61 % MACHINE PICKS = 0

Figure 55

20080801 01:25 4.76 (MULTIPLE RMS = 0.12 S ERH = 1.0 KM STRIKE UNCERTAINTY = 17
 20 25.24 156 5.24 DMIN = 37 KM ERZ = 1.9 KM DIP UNCERTAINTY = 13
 DEPTH = 14.37 KM AZM GAP = 161 MISFIT = 0.21 (+.02) RAKE UNCERTAINTY = 10
 MAG = 3.24 X # FM = 40 STDR = 0.55 % MACHINE PICKS = 0

Figure 56

20080801 01:25 4.76 (MULTIPLE RMS = 0.12 S ERH = 1.0 KM STRIKE UNCERTAINTY = 20
 20 25.24 156 5.24 DMIN = 37 KM ERZ = 1.9 KM DIP UNCERTAINTY = 23
 DEPTH = 14.37 KM AZM GAP = 161 MISFIT = 0.24 (+.03) RAKE UNCERTAINTY = 40
 MAG = 3.24 X # FM = 40 STDR = 0.60 % MACHINE PICKS = 0

20080813 01:01 42.90 RMS = 0.10 S ERH = 2.3 KM STRIKE UNCERTAINTY = 10
 21 32.41 158 30.17 DMIN = 52 KM ERZ = 13.5 KM DIP UNCERTAINTY = 25
 DEPTH = 20.69 KM AZM GAP = 177 MISFIT = 0.12 (+.03) RAKE UNCERTAINTY = 23
 MAG = 3.87 X # FM = 40 STDR = 0.29 % MACHINE PICKS = 0

20080813 01:01 42.90 (MULTIPLE RMS = 0.10 S ERH = 2.3 KM STRIKE UNCERTAINTY = 9
 21 32.41 158 30.17 DMIN = 52 KM ERZ = 13.5 KM DIP UNCERTAINTY = 28
 DEPTH = 20.69 KM AZM GAP = 177 MISFIT = 0.12 (+.03) RAKE UNCERTAINTY = 15
 MAG = 3.87 X # FM = 40 STDR = 0.23 % MACHINE PICKS = 0

20080813 01:01 42.90 (MULTIPLE RMS = 0.10 S ERH = 2.3 KM STRIKE UNCERTAINTY = 10
 21 32.41 158 30.17 DMIN = 52 KM ERZ = 13.5 KM DIP UNCERTAINTY = 3
 DEPTH = 20.69 KM AZM GAP = 177 MISFIT = 0.15 (+.04) RAKE UNCERTAINTY = 13
 MAG = 3.87 X # FM = 40 STDR = 0.22 % MACHINE PICKS = 0

DISCREPANT OBSERVATIONS

STAT	DIST	ADM	AIM	PME
PAUV	15	318	153	IPUG
STCV	30	263	134	IPUG
SSEV	53	314	114	IPUG
KPUV	66	328	110	EPUG
KOHV	117	324	107	EPUG

T

68,79,137

+SPDV

+PPEV

OVEV

+HTCV

WOOV

KAAV

+KAEV

HLPV

DESV

DANV

ALNV

ACNV

SUNV

GIVN

HULV

KURV

ENRV

PKVV

RAVV

SLVV

HUVV

HSSV

HUAU

+NAIV

LGHV

NAGV

KKUV

168,48,15

UP DWR
○ ○ DILATATION
+ + COMPRESSION

Figure 61

Figure 61

Figure 62 is a circular diagram illustrating the distribution of 25 bird species. The diagram is divided into two main regions by a curved line: 'T' (top) and 'P' (bottom). Species are represented by symbols: solid circles for 'UP DOWN', open circles for 'DILATATION', and plus signs for 'COMPRESSION'. A legend at the bottom left defines these symbols. A table at the top right lists 'DISCREPANT OBSERVATIONS' with columns: STAT, DIST, ASM, AIM, PMH. The table lists data for PAUV, HBEV, HPOV, KOHV, and EPUV. A small inset circle on the right shows a detailed view of a specific area. The diagram includes numerical labels: 216,9,50 at the bottom left and 76,83,96 at the top right.

DISCREPANT OBSERVATIONS				
STAT	DIST	ASM	AIM	PMH
PAUV	15	218	153	IPUG
HBEV	53	314	116	IPUG
HPOV	66	328	110	EPUG
KOHV	117	324	107	EPUG

Figure 62

DISCREPANT OBSERVATIONS

STATION	DIST	AIM	AIN	PMK
PAIV	15	314	15.3	IPUS
HSSV	53	314	116	IPUS
KHV	66	328	110	EPUS
KHV	117	324	107	EPUS

312, 12, 145

76, 83, 80

T

P

o o DILATATION

+ + COMPRESSION

Figure 63

Figure 63

DISCREPANT OBSERVATIONS

	STAT	DIST	ASH	AIN	FMSH
KRBV	80	77	52	EPD2	
KRBV	104	111	52	EPD2	
KRBV	111	91	52	EPD2	

325, 36, -36

HUAU

EPCV

P

APUV

86, 70, -120

HEBV

HTCS

LRVKOV

DANV

BPBV

KAAV

RIIV

T

UP DMR
 • ○ DILATATION
 + COMPRESSION

Figure 64

Figure 64

20080901 06:54 10.27 (MULTIPLE RMS = 0.12 S ERH = 1.0 KM STRIKE UNCERTAINTY = 10
 19 43.71 156 5.38 DMIN = 27 KM ERZ = 0.5 KM DIP UNCERTAINTY = 3
 DEPTH = 7.12 KM AZM GAP = 277 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 10
 MAG = 3.34 X # FM = 39 STDR = 0.58 % MACHINE PICKS = 0

20080907 05:34 48.21 RMS = 0.07 S ERH = 0.5 KM STRIKE UNCERTAINTY = 29
 19 12.69 155 32.00 DMIN = 6 KM ERZ = 0.9 KM DIP UNCERTAINTY = 13
 DEPTH = 36.02 KM AZM GAP = 81 MISFIT = 0.11 (+.03) RAKE UNCERTAINTY = 10
 MAG = 3.23 X # FM = 38 STDR = 0.68 % MACHINE PICKS = 0

20080915 16:57 51.07 RMS = 0.10 S ERH = 1.9 KM STRIKE UNCERTAINTY = 30
 19 40.35 156 4.33 DMIN = 37 KM ERZ = 3.0 KM DIP UNCERTAINTY = 8
 DEPTH = 25.32 KM AZM GAP = 237 MISFIT = 0.26 (+.03) RAKE UNCERTAINTY = 30
 MAG = 3.07 X # FM = 37 STDR = 0.62 % MACHINE PICKS = 0

20080915 16:57 51.07 (MULTIPLE RMS = 0.10 S ERH = 1.9 KM STRIKE UNCERTAINTY = 10
 19 40.35 156 4.33 DMIN = 37 KM ERZ = 3.0 KM DIP UNCERTAINTY = 30
 DEPTH = 25.32 KM AZM GAP = 237 MISFIT = 0.23 (+.04) RAKE UNCERTAINTY = 60
 MAG = 3.07 X # FM = 37 STDR = 0.40 % MACHINE PICKS = 0

20080915 16:57 51.07 (MULTIPLE RMS = 0.10 S ERH = 1.9 KM STRIKE UNCERTAINTY = 6
 19 40.35 156 4.33 DMIN = 37 KM ERZ = 3.0 KM DIP UNCERTAINTY = 10
 DEPTH = 25.32 KM AZM GAP = 237 MISFIT = 0.25 (+.04) RAKE UNCERTAINTY = 20
 MAG = 3.07 X # FM = 37 STDR = 0.54 % MACHINE PICKS = 0

Figure 69

20080915 16:57 51.07 (MULTIPLE RMS = 0.10 S ERH = 1.9 KM STRIKE UNCERTAINTY = 6
 19 40.35 156 4.33 DMIN = 37 KM ERZ = 3.0 KM DIP UNCERTAINTY = 25
 DEPTH = 25.32 KM AZM GAP = 237 MISFIT = 0.25 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.07 X # FM = 37 STDR = 0.64 % MACHINE PICKS = 0

Figure 70

20080915 16:57 51.07 (MULTIPLE RMS = 0.10 S ERH = 1.9 KM STRIKE UNCERTAINTY = 20
 19 40.35 156 4.33 DMIN = 37 KM ERZ = 3.0 KM DIP UNCERTAINTY = 5
 DEPTH = 25.32 KM AZM GAP = 237 MISFIT = 0.27 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.07 X # FM = 37 STDR = 0.87 % MACHINE PICKS = 0

Figure 71

20080919 17:59 43.19 RMS = 0.10 S ERH = 0.6 KM STRIKE UNCERTAINTY = 6
 19 19.49 155 6.52 DMIN = 5 KM ERZ = 0.3 KM DIP UNCERTAINTY = 3
 DEPTH = 9.78 KM AZM GAP = 160 MISFIT = 0.09 (+.02) RAKE UNCERTAINTY = 0
 MAG = 3.53 X # FM = 37 STDR = 0.54 % MACHINE PICKS = 0

Figure 72

20080927 20:18 2.32 RMS = 0.10 S ERH = 0.9 KM STRIKE UNCERTAINTY = 7
 19 39.97 156 3.81 DMIN = 25 KM ERZ = 1.4 KM DIP UNCERTAINTY = 23
 DEPTH = 34.36 KM AZM GAP = 235 MISFIT = 0.04 (+.03) RAKE UNCERTAINTY = 8
 MAG = 3.24 X # FM = 39 STDR = 0.46 % MACHINE PICKS = 0

Figure 73

20080927 20:18 2.32 (MULTIPLE RMS = 0.10 S) ERH = 0.9 KM STRIKE UNCERTAINTY = 7
 19 39.97 156 3.81 DMIN = 25 KM ERZ = 1.4 KM DIP UNCERTAINTY = 5
 DEPTH = 34.36 KM AZM GAP = 235 MISFIT = 0.05 (+.03) RAKE UNCERTAINTY = 18
 MAG = 3.24 X # FM = 39 STDR = 0.58 % MACHINE PICKS = 0

Figure 74

20081206 16:53 17.51 RMS = 0.10 S ERH = 0.4 KM STRIKE UNCERTAINTY = 9
 19 18.56 155 13.39 DMIN = 3 KM ERZ = 0.4 KM DIP UNCERTAINTY = 10
 DEPTH = 9.43 KM AZM GAP = 80 MISFIT = 0.04 (+.03) RAKE UNCERTAINTY = 13
 MAG = 3.43 X # FM = 36 STDR = 0.58 % MACHINE PICKS = 0

Figure 75

20081206 16:53 17.51 (MULTIPLE RMS = 0.10 S) ERH = 0.4 KM STRIKE UNCERTAINTY = 8
 19 18.56 155 13.39 DMIN = 3 KM ERZ = 0.4 KM DIP UNCERTAINTY = 5
 DEPTH = 9.43 KM AZM GAP = 80 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 20
 MAG = 3.43 X # FM = 36 STDR = 0.68 % MACHINE PICKS = 0

Figure 76

20081222 01:11 49.80 RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 20
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 2
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.05 (+.03) RAKE UNCERTAINTY = 5
 MAG = 3.39 X # FM = 36 STDR = 0.23 % MACHINE PICKS = 0

20081222 01:11 49.80 (MULTIPLE RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 8
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.08 (+.03) RAKE UNCERTAINTY = 10
 MAG = 3.39 X # FM = 36 STDR = 0.35 % MACHINE PICKS = 0

20081222 01:11 49.80 (MULTIPLE RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 5
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 30
 MAG = 3.39 X # FM = 36 STDR = 0.34 % MACHINE PICKS = 0

Figures 77-79

20081222 01:11 49.80 RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 20
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 2
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.05 (+.03) RAKE UNCERTAINTY = 5
 MAG = 3.39 X # FM = 36 STDR = 0.23 % MACHINE PICKS = 0

20081222 01:11 49.80 (MULTIPLE RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 8
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.08 (+.03) RAKE UNCERTAINTY = 10
 MAG = 3.39 X # FM = 36 STDR = 0.35 % MACHINE PICKS = 0

20081222 01:11 49.80 (MULTIPLE RMS = 0.11 S ERH = 1.4 KM STRIKE UNCERTAINTY = 10
 19 13.58 156 20.79 DMIN = 50 KM ERZ = 2.2 KM DIP UNCERTAINTY = 5
 DEPTH = 35.24 KM AZM GAP = 280 MISFIT = 0.07 (+.03) RAKE UNCERTAINTY = 30
 MAG = 3.39 X # FM = 36 STDR = 0.34 % MACHINE PICKS = 0

Figures 77-79