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Hawaiian Volcano Observatory
1974 Annual Administrative Report

Introductory Note By Thomas L. Wright and Jennifer S. Nakata

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Summary 74
January to December 1974
By Robert Y. Koyanagi, Patricia Stevenson,
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Chronological Summary
By John P. Lockwood, Donald W. Peterson,
and Robert I. Tilling

Open-File Report 2007-1334
U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
DIRK KEMPTHORNE, Secretary

U.S. Geological Survey
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U.S. Geological Survey, Reston, Virginia 2007

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INTRODUCTORY NOTE

The Hawaiian Volcano Observatory Summaries have been published in the current format since 1956. The Quarterly Summaries (1956 through 1973) and the Annual Summaries (1974 through 1985) were originally published as Administrative Reports. These reports have been compiled and published as U.S. Geological Survey Open-File Reports. The quarterly reports have been combined and published as one annual summary. All the summaries from 1956 to the present are now available as .pdf files at http://www.usgs.gov/pubprod.

The earthquake summary data are presented as a listing of origin time, depth, magnitude, and other location parameters. Network instrumentation, field station sites, and location algorithms are described. Tilt and other deformation data are included until Summary 77, January to December 1977. From 1978, the seismic and deformation data are published separately, due to differing schedules of data reduction.

There are eight quarters—from the fourth quarter of 1959 to the third quarter of 1961—that were never published. Two of these (4th quarter 1959, 1st quarter 1960) have now been published, using handwritten notes of Jerry Eaton (HVO seismologist at the time) and his colleagues. The seismic records for the remaining six summaries went back to California in 1961 with Jerry Eaton. Other responsibilities intervened, and the seismic summaries were never prepared.

Chronology

The following Kīlauea eruption chronology covers the two recent reports and the six missing quarters:

Location	Beginning Date	Ending Date	Comment
Kīlauea Iki crater (Kīlauea's summit)	11/14/1959	12/20/1959	19 eruptive episodes
Kapoho (lower east rift zone)	1/13/1960	2/18/1960	4 eruption stages
Halemaumau (Kīlauea's summit)	2/24/1961	2/24/1961	Intermittent activity during uninterrupted inflation following the 1960 eruption
Halemaumau (Kīlauea's summit)	3/22/1961	3/25/1961	Same as above.
Halemaumau (Kīlauea's summit)	7/10/1961	7/17/1961	Same as above.
Heiheiahulu (middle east rift zone)	9/22/1961	9/25/1961	First historical east rift eruption at this location

The 1959-1960 eruptions were among two of the most spectacular Kīlauea eruptions. The HVO staff was kept busy with acquisition of unusually high quantities of instrumental data and observations of the two sequences, which were separated by less than one month. Even with a year's interval before the beginning of the summit-east rift sequence in 1961, the staff never caught up, and the seismic records were set aside for later study.

A total of 1,672 earthquakes—1,106 for 1960 and 566 for 1961—are part of HVO's cataloged database. The annual listings have been appended to the 1st Quarter Report of 1960 and to the 4th Quarter Report for 1961. The number of earthquakes is probably low, biased toward the larger magnitudes. The entire HVO catalog, including 1960 and 1961, is accessible from the ANSS CATALOG SEARCH site at http://www.ncedc.org/anss/catalog-search.

Thomas L. Wright and Jennifer S. Nakata

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAWAIIAN VOLCANO OBSERVATORY

SUMMARY 74

JANUARY TO DECEMBER 1974

WITH A

CHRONOLOGICAL SUMMARY

Menlo Park, California
1978

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CHRONOLOGICAL SUMMARY

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J. P. LOCKWOOD, D. W. PETERSON, AND R. I. TILLING

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INTRODUCTION

Traditionally the Hawaiian Volcano Observatory (HVO) summaries have been published on a timely basis as a quarterly report. In recent years, however, the common occurrence of voluminous sets of earthquake data has resulted in a backlog of the routine processing. As a result, expediency required the publishing of summaries for 1974 as one volume. Conveniently this minimized repetitive publishing of certain tables and illustrations. Convenience and cost advantages led to a decision to adopt a policy for preparation of future summaries on a yearly basis. As it seemed appropriate, this first annual edition includes a summarization of the parameters used in routine earthquake data processing for the last five years. It is hoped that the information presented will help the user of the summary better understand the data set. Published seismic summaries are intended to be preliminary in nature and are not to be interpreted as final results. The primary aim of this summary is to function as a guide or reference for more detailed studies of both seismic and strain data gathered by the Hawaiian Volcano Observatory.

Publication of this summary represents a group effort by the HVO staff and members of the National Center for Earthquake Research. Noting that the summary number nearly corresponds to the year, we have used summary number 74 for 1974 data. There will be no summary 73, and future summaries will be numbered serially.

CHRONOLOGICAL SUMMARY

by

J. P. Lockwood, D. W. Peterson, and R. I. Tilling

During the first quarter eruptive activity was entirely confined to the Mauna Ulu satellitic lava shield along Kilauea Volcano's upper east rift zone. The sporadic fountain activity which reappeared in Mauna Ulu's summit crater last December 13 continued until January 24, when 60 m-high fountains quickly filled the summit crater and fed overflows which travelled more than one kilometre to the southwest. This strong eruptive phase only lasted one and one-half days, during which time Kilauea's summit (as monitored by the east-west component of the Ideal-Aerosmith tiltmeter) deflated by five microradians. Immediately after the strong Mauna Ulu eruptive activity of January 24 and 25, Kilauea's summit began a sharp re-inflation. Five days later (29 January), high fountaining resumed at Mauna Ulu and was accompanied by deflation of Kilauea's summit. This phase lasted 24 hours, after which the summit again began a sharp re-inflation. A pattern was thus established, consisting of Kilauea summit inflation, followed by a short-duration Mauna Ulu eruptive phase accompanied by summit deflation. Additional strong Mauna Ulu eruptive phases began on February 1, 8, and 14 and March 17 and 23. Each deflation of Kilauea's summit, which generally started about the same time as the onset of eruptive activity at Mauna Ulu, and each subsequent re-inflation, again substantiated the well-documented relation between the magma storage chamber beneath Kilauea's summit and the rift zone eruptive vents. Eruptive activity along the rift zones relieves the pressure within the magma reservoir, resulting in summit deflation.

Between major eruptive episodes activity persisted at Mauna Ulu but at greatly reduced rates. Irregular bursts of spatter and short lava flows issued sporadically from various vents located along a N65E-oriented zone across the summit shield. In March a steep-sided symmetrical cone about 20 m high was constructed above the site of the former summit crater by this localized activity. During episodes of Mauna Ulu overflow, lava accumulated in the topographic saddle between the Mauna Ulu shield and Puu Huluhulu to the north and formed a circular perched lava pond bounded by natural levees. Repeated flows gradually raised the surface of the pond, and lava lapped progressively higher on Puu Huluhulu's south slope.

Beginning on March 5, lava began to be extruded quietly but steadily from vents east of the summit cone. This lava constructed a complex lava tube system on the south flank of Mauna Ulu, which fed flows that travelled about four kilometres southward, almost to Poliokeawe Pali, by the end of March.

Eruptive activity was restricted to the Mauna Ulu satellitic lava shield on Kilauea Volcano's upper east rift zone during the second quarter. On 2 April, the tall, symmetrical cone located above the site of Mauna Ulu's former summit crater collapsed, forming a small pit crater whose bottom was filled with actively circulating lava. Lava continued to issue quietly from vents east of this pit crater and constructed a lava tube system that fed a lava flow which cascaded over Poliokeawe Pali, four kilometres south of Mauna Ulu, on 3 April.

During April and May, Mauna Ulu's summit pit crater enlarged by frequent small rockfalls from the steep and overhanging crater walls, to an ENE-SSW elongated pit about 60 x 85 m diameter. In April, the summit lava lake at the summit crater filled to the rim several times and lava flows poured small distances down all sides of the Mauna Ulu shield. These brief overflows did not develop the tube systems required to transport lava far from the Mauna Ulu vent, with the result that the repeated flows piled up near the source and the height of the Mauna Ulu shield increased substantially. During most of May, no overflows occurred from the crater atop Mauna Ulu, but the lava column was tapped by flank openings to the east and south. Persistent flows from these openings allowed a tube system to develop, and lava cascaded over Poliokeawe Pali on 30 April and reached the top of Holei Pali by 7 May. Thereafter, surface flows stopped, and the top of the lava column remained well below the crater rim. On 29 May, however, an abrupt deflation of Kilauea's summit began, and the Mauna Ulu crater rapidly filled to overflowing. During May 30-June 1 Mauna Ulu erupted copious volumes of lava, and lava fountained to heights of 20 m height and cascaded down all sides of the shield. By June 1, lava had travelled about 9 km to the south, cascaded over Poliokeawe and Holei Palis, and had reached within 3 km of the sea.

Early on 2 June the Mauna Ulu overflows stopped, and the summit area of Kilauea began to reinflate. The lava lake in Mauna Ulu's summit crater subsided to about 40 m below the crater rim, and profuse fuming began to obscure the lake surface much of the time. The crater walls were largely overhanging, and a series of concentric cracks developed around the crater as much as 25 m from the rim.

At the end of the second quarter the highest point on Mauna Ulu (south rim) stood 120 m above the pre-1969, pre-eruptive ground level.

Third quarter activity at Mauna Ulu lava lake, largely obscured by fume, progressively declined following the copious overflows of May 29-June 2. Circulation of the lake became increasingly more sluggish, as the lake surface continued to subside, descending to about 40 m below the rim by mid-July. During this desultory activity at Mauna Ulu, however, the summit region of Kilauea, remained highly inflated.

At about 0400 of July 19, the seismic alarm was activated by a sharp and sustained flurry of earthquakes centered near the southern part of the caldera and the upper east-rift zone. The onset of the earthquake swarm coincided with the beginning of a significant deflation of the summit region; initially the sudden change in the state of the volcano was not accompanied by harmonic tremor. Strong tremor, however, began about 1030, when the rate of deflation also markedly increased. Lava broke out about 1230 from several fissures in and near Keanakakoi Crater and within the southeastern part of Kilauea caldera (south of the August 14, 1971, fissures). New lava partly filled Keanakakoi and Lua Manu Craters and covered much of the August, 1971 lava on the caldera floor. Keanakakoi had last received lava in 1877, and no lava had entered Lua Manu in historic times. Activity in and near Keanakakoi stopped by evening of July 19, but moderate fountaining from the caldera-floor fissures persisted until July 22 when all eruptive activity ended. The eruption, accompanied by a summit deflation that measured 18 microradians at Uwekahuna, produced approximately 10 x 10^6 m^3 of lava (Tilling and others, 1975). During or shortly after this eruption, the lava at Mauna Ulu completely drained, exposing rubble-filled crater floor. Harmonic tremor in the area also ceased, signaling the end of the virtually continuous activity that began December 13, 1973.

No "live" lava was visible anywhere on Kilauea throughout August and much of September. Summit reinflation, however, proceeded and tilt data indicated a gradual southwestward shift of the center of inflation. About 0120 on September 19, with little premonitory seismic activity, lava broke out in 100 m-high fountains from N 55 E-trending fissures in Halemaumau. Shortly afterward, the fissures extended southwestward across Halemaumau's floor and climbed its west wall. As the fissures continued their southwestward advance across the caldera floor, fountains in Halemaumau diminished noticeably. At the peak of activity, lava from the caldera floor was cascading into Halemaumau, while more lava was plunging into Halemaumau's deeper central pit.

All activity ended about 0930. Drainback of lava was accompanied by reinflation of the summit region, which continued until the end of the quarter. The brief sharp, pre-eruption inflation "spike" was about 18 microradians as measured at Uwekahuna vault; the deflation associated with the eruption was roughly comparable in magnitude. A total of 10.9 x 10^6 m^3 of lava was erupted in less than half a day, mostly within Halemaumau, of which 4.8 x 10^6 m^3 drained back into the vents. The drainback left Halemaumau with a prominent lava-subsidence terrace ("bathtub ring") 9 m above the crust of the lake, the maximum depth of which is about 10 m. The crust continued irregular overturning until the morning of September 22.

Seismicity at Mauna Loa, which increased markedly in April, 1974, continued at moderately high levels throughout the third quarter. To better

monitor Mauna Loa, two additional radio-telemetered seismic stations were installed at its summit, and three lines were added to the summit geodimeter network.

Volcanic eruptions were lacking at Kilauea during most of the fourth quarter, although both Halemaumau and Mauna Ulu's summit crater emitted unusually dense fume clouds. Frequent and sometimes continuous noises of falling rocks at Mauna Ulu suggested that the crater was widening and possibly deepening. During early October, Kilauea's summit inflated rapidly, still rebounding from the deflation that accompanied the September 19 summit eruption. Later in October, the rate of inflation moderated, and slow but steady inflation continued throughout November and almost to the end of December.

On December 7 a dramatic increase in the number of Mauna Loa summit earthquakes began. The earthquake swarm, 10 days long, peaked on December 15 when nearly 1,500 quakes were recorded; several quakes were felt throughout the island. Geodimeter and level lines in Mauna Loa's summit region were remeasured, and results showed that inflation, first detected several months earlier, was continuing at an increased rate. By December 17, seismicity returned to a "normal" level, but this episode added to the possibility that Mauna Loa might be awakening from its quarter-century-long slumber.

Kilauea again returned to the spotlight as its gradual summit inflation reached extremely high levels, indicating engorgement of the shallow magma reservoir. When the frequency of short-period caldera earthquakes exceeded 1,000 per day in late December, including several that were felt locally, conditions seemed ripe for eruptive action. At 02:55 on December 31, lava fountained from a new fissure in the Ka'u Desert about 2 km south of Halemaumau. Additional eruptive fissures opened toward the northeast and southwest and ultimately spanned a length of about 4 km. Individual fissure segments varied from a few tens to 600 m in length; the N. 70° E-trending segments defined a zone that trended N. 45° E. Fountains averaged 30-40 m in height and reached a maximum height of 100 m. Activity waned beginning about 05:00, first at the northeastern end of the fissure system and then progressively decreased toward the southwest; all eruptive activity ceased about 08:50.

The December 31 flows flooded an area of about 7.5 km^2; the volume of new lava is about 15 x 10^6 m^3 if an average flow thickness of 2 m is assumed. Some flows advanced as much as 13 km from the vent fissures, reaching a point 3 km south of the Kamakaia Hills. The eruptive fissures lie in a wedge-shaped block between the Koae fault system and the southwest-rift zone--an area lacking prior historic activity. The eastern end of the eruptive zone is 2 km south of Halemaumau, and the western end is about 1 km northeast of Puu Koae.

The eruption was preceded, accompanied, and followed by considerable Kilauea summit deflation. During the height of the activity, from 02:00 to 04:00, deflation rates of 11.4 μ radians per hour were recorded at Uwekahuna. Seismic activity also was intense. Even though visible eruptive activity had ceased after about 6 hours, sharp deflation and the earthquake swarm continued into the new year.

SEISMIC INSTRUMENTATION

The network. The Hawaiian Volcano Observatory has installed and maintains an extensive telemetering seismometer network on the island of Hawaii. In January 1974 the seismometer network consisted of 33 telemetering vertical high gain short period (1 sec.) stations spread over an area with a diameter of 125 kilometres (Fig. 1). The coverage is most complete on and around the main center of seismic and volcanic activity, Kilauea Volcano. During August 1974 two seismometer stations were established at the 4048 meter level on Mauna Loa to form a three station network with station MOK. Other stations in the network are part of a larger net located on other volcanoes of the island of Hawaii. With the exception of HIL, all seismometer signals from the short period network are telemetered to the observatory for recording.

The telemetering is via hardwire for stations nearby, or over VHF radio with the use of preamp/voltage controlled oscillators for distant or inaccessible stations. As many as 8 different audio carrier frequencies between 680 Hz and 3060 Hz, with a constant bandwidth of $\pm$125 Hz, can be frequency multiplexed via either hardwire or VHF radio. Though preamp/voltage controlled oscillators used in the network are constructed of discrete components or integrated circuits, the response characteristics are identical and conform to the N.C.E.R. definition of a standard high gain short-period seismometer station (Type 1, Table 1, Table 2). For telemetering more than 15 kilometres or where direct wiring is impractical, FM-VHF radios function as a link between stations and the observatory. The radios are commercially obtained handie-talkie units modified for continuous transmission at 100 milliwatts of rf output. The operating frequencies of the radio links fall in the range of 163-173 MHz. Together the preamp/VCO and VHF transmitter consume approximately 800 milliwatts of power. Less than 600 milliwatts is required for a station where low powered integrated circuits are used.

Most stations are housed in a 1.2m long x 0.6m wide x 0.3m high covered concrete tile boxes for protection from weather and vandalism. The boxes contain air polarized primary cells, preamp/VCO, and if used, a VHF transmitter. Seismometers are normally buried 25-35 meters from the box. For most VHF stations 6 element Yagi antennas are utilized. The sites are located on the basis of:

(1) geometric relationship to the rest of the net

(2) seismicity

(3) line of site for FM radio telemetry

(4) accessibility

Placement of the stations has the objective of providing Kilauea Volcano, Mauna Loa, and the entire island with a uniform coverage of seismometer

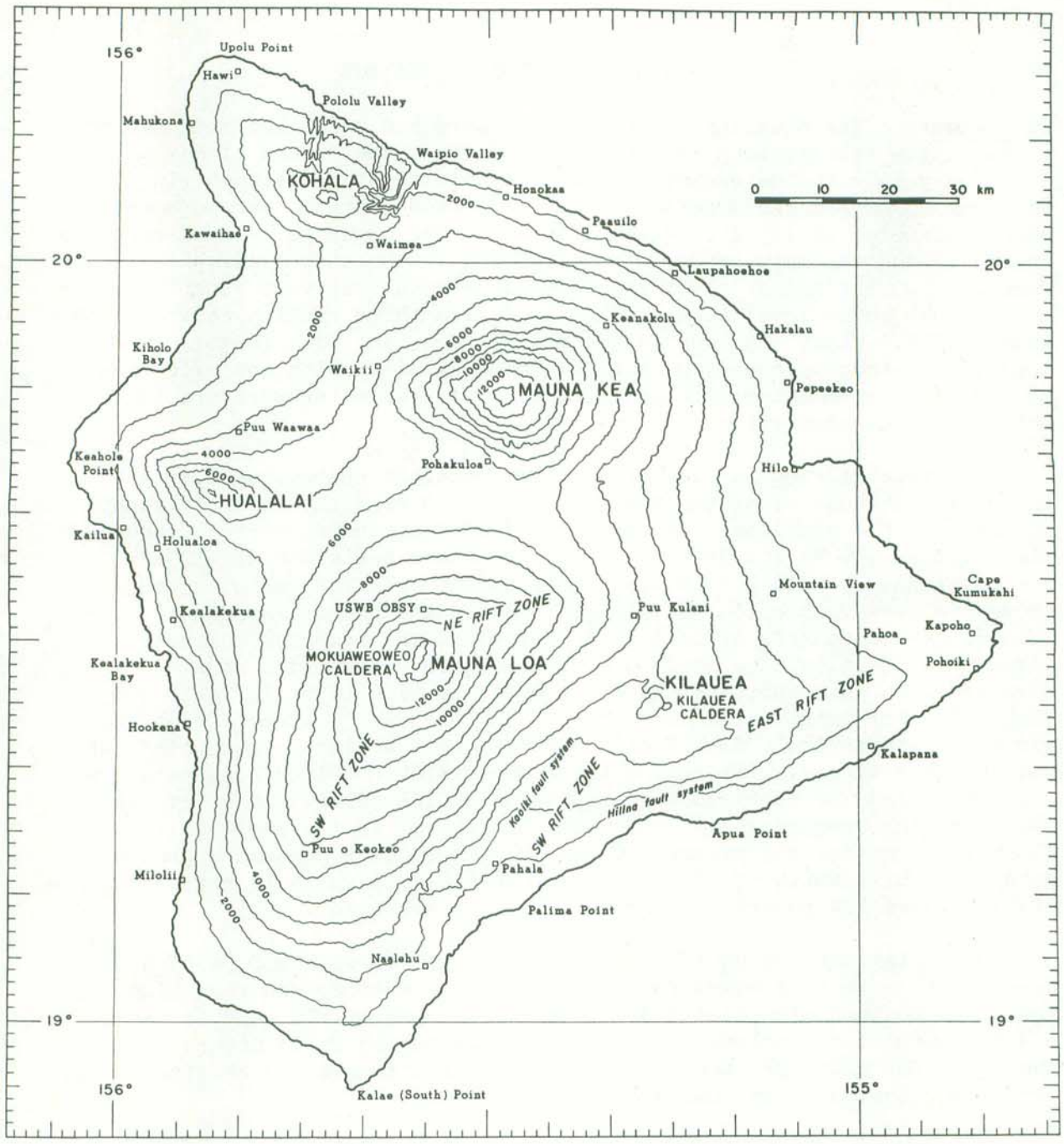

Figure 1a. Map of the island of Hawaii showing principal settlements and selected geographic and geologic features.

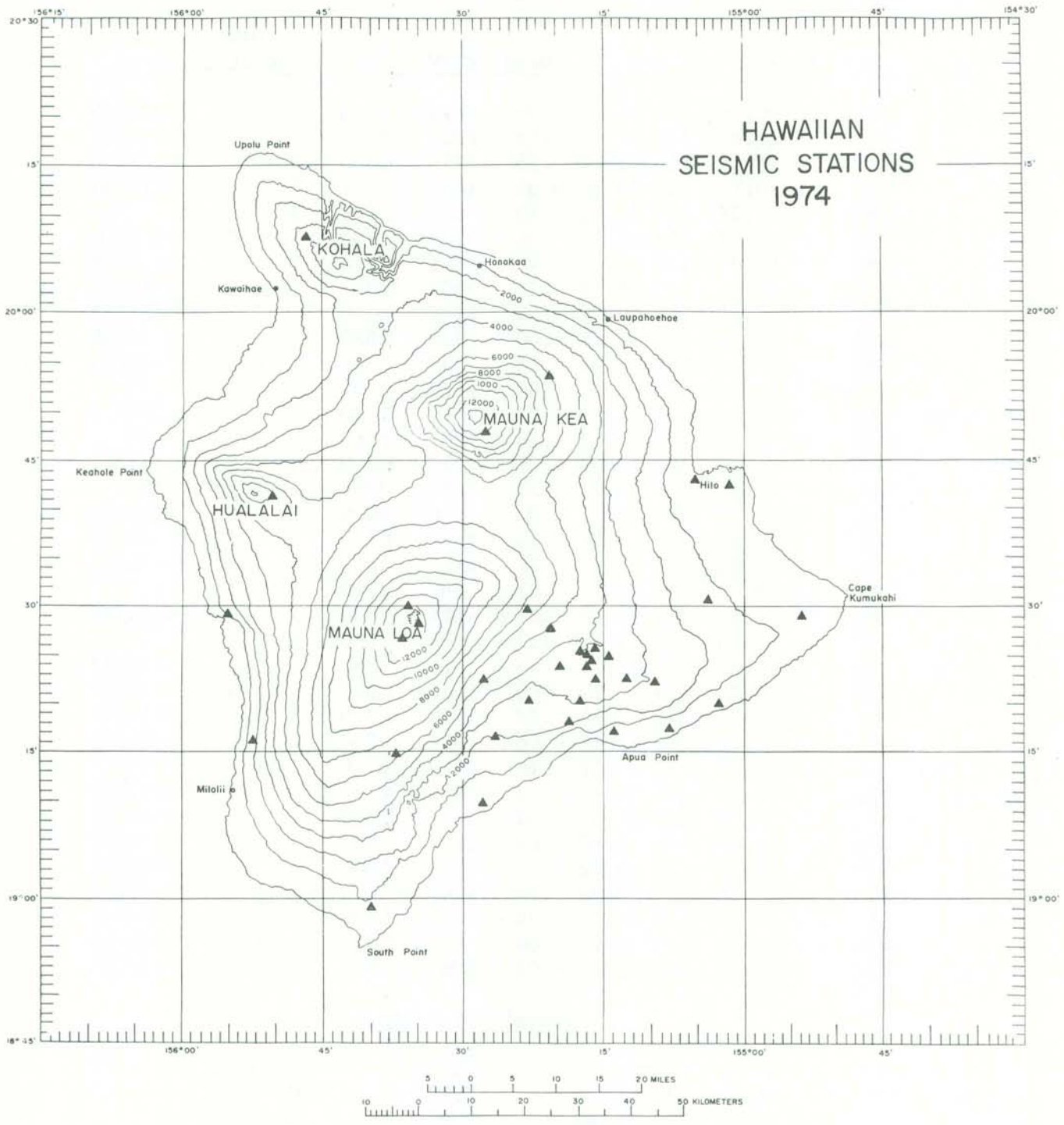

Figure 1b. Map of the island of Hawaii showing seismic stations operated by the U. S. Geological Survey.

TABLE 1.-Seismometer Stations in Hawaii operated by the U. S. Geological Survey, 1974.

Station Name	Code	LAT-N	LON-W	Delay	ELEV	VCO	Old Type/Cal	Change	New Type/Cal
AHUA	AHU	19 22.40	155 15.90	.06	1070	2380	3 6.0	74/09/23	1 3.8
AINAPO	AIN	19 22.50	155 27.62	.33	1524	1020	1 6.0	74/10/30	1 8.5
CAPTAIN COOK	CAC	19 29.29	155 55.09	.15	323	1360	1 6.0	74/08/26	1 3.3
CONE PEAK	CPK	19 23.70	155 19.70	-.04	1038	1700	3 1.34	74/11/20	1 3.5
DESERT	DES	19 20.20	155 23.30	-.10	815	680	3 1.34		
ESCAPE ROAD	ESR	19 24.68	155 14.33	.01	1177	1360	1 6.0	74/08/20	1 1.7
HALE POHAKU	HPU	19 46.85	155 27.50	.42	3396	2720	1 5.6	74/09/18	1
HILINA PALI	HLP	19 17.96	155 18.63	.18	707	2040	1 6.0	74/10/21	1 2.5
HUALALAI	HUA	19 41.25	155 50.32	.58	2189	1700	1 5.2	74/08/13	1 5.3
KAAPUNA	KAA	19 15.98	155 52.28	.00	524	1020	1 5.5	74/10/04	1 6.0
KAENA	KAE	19 17.35	155 7.95	.15	37	2380	1 6.0	74/09/03	1 2.2
KAHUKU	KHU	19 14.90	155 37.10	.08	1939	1700	1 5.7		
KAPAPALA RANCH	KPR	19 16.40	155 26.70	.05	610	1700	1 6.5	74/09/17	1 4.33
KEANAKOLU	KKU	19 53.39	155 20.58	.86	1863	2380	1 4.8	74/09	1 2.3
KIPUKA NENE	KPN	19 20.10	155 17.40	.07	924	1360	3 1.34	74/09/04	1 5.0
KOHALA	KOH	20 7.69	155 46.77	.21	1166	2380	1 1.5	74/09	1 3.2
M12	M12	19 23.69	155 18.45	.02	1116	2040	1 6.0	74/02/06	none
MAUNA LOA	MLO	19 29.80	155 23.30	.24	2010	1360	1 6.5	74/10/21	1 11.8
MAUNA LOA X	MLX	19 27.60	155 20.70	.27	1475	1360	3 1.34	74/12/18	1
MAKAOPUHI	MPR	19 22.07	155 9.85	-.01	881	2720	1 5.7		
MOKUAWEOWEO	MOK	19 29.28	155 35.98	.28	4104	2040	1 6.5	74/08/28	1 7.5
MOUNTAIN VIEW	MTV	19 30.25	155 3.75	.17	409	680	1 6.2		
NATIONAL GUARD	NAG	19 42.12	155 1.72	.63	18	1360	1 6.0	74/10/03	1 8.5
NORTH PIT	NPT	19 24.90	155 17.00	-.06	1115	680	3 1.34	74/11/21	1 9.0
OUTLET	OTL	19 23.38	155 16.94	.02	1038	1360	3 5.0	74/11/11	1 4.15
PAU	PAU	19 22.62	155 13.10	-.06	994	2040	1	74/11/13	1 3.8
POLIOKEAWE PALI	POL	19 17.02	155 13.47	.10	169	2720	1 6.0	74/09	1 3.0
PUU HONUAULA	PHO	19 28.90	154 53.40	.03	215	2720	1 6.5	74/10/08	1 4.8
PUU PILI	PPL	19 9.50	155 27.87	.24	35	1360	1 4.4	74/09	1 2.2
RIM	RIM	19 23.90	155 16.60	.02	1128	1020	1 6.0	74/10/02	1 1.1
SOUTH POINT	SPT	18 58.91	155 39.92	-.07	244	2040	1 7.8	74/08/23	1 4.8
SOUTHWEST RIFT	SWR	19 27.26	155 36.30	.14	4048	1020	none	74/08/22	1 11.1
SUMMIT CABIN	SCA	19 28.20	155 35.08	.30	4048	1700	none	74/08/22	1 11.5
WAHAULA	WHA	19 19.90	155 2.92	.06	29	680	1 6.0	74/09/03	1 3.66
WALDRON LEDGE	WLG	19 25.49	155 15.69	-.02	1067	2380	3	74/08/26	1 2.2
Optical Seismographs									
HALEAKALA Z	HAL	20 46.00	156 15.00		2090		3 0.71		
HALEAKALA EW	HAE	20 46.00	156 15.00		2090		WA 1.0		
HALEAKALA NS	HAN	20 46.00	156 15.00		2090		WA 1.0		
HILO Z	HIL	19 43.20	155 5.30	.64	20		3. 1.0		
HILO EW	HIE	19 43.20	155 5.30	.64	20		WA 1.0		
HILO NS	HIN	19 43.20	155 5.30	.64	20		WA 1.0		
KIPAPA	KIP	21 25.40	158 .90		76		3 0.56		
UWEKAHUNA Z	UWE	19 25.40	155 17.60	.06	1240		3 0.7		
UWEKAHUNA Z	USZ	19 25.40	155 17.60	.06	1240		4. 1.0		
UWEKAHUNA EW	USE	19 25.40	155 17.60	.06	1240		4. 1.0		
UWEKAHUNA	PEZ	19 25.40	155 17.60		1240		PE		
UWEKAHUNA	PEE	19 25.40	155 17.60		1240		PE		
UWEKAHUNA	PEN	19 25.40	155 17.60		1240		PE		

Table 2.--Seismic Instrumentation Types
(Type 2 instruments have been discontinued.)

Type 1. Consists of:

a) EV-17 - Electrotech EV-17 1.0 sec. period moving magnet vertical component seismometer or horizontal component adjusted for an output of 0.5 volts/cm/sec. and 0.8 critically damped.

b) Preamp/VCO - Develco Model 6202 voltage controlled oscillator or a USGS/NCER Model JE202. 3 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. USGS Model J302 was introduced in 1974.

Type 3. Consists of:

a) EV-17 - Electrotech EV-17 (as described above), Hall-Sears HS-10 0.5 sec. period moving coil seismometer or Observatory-built 0.8 sec. period moving coil seismometer with HVO-built solid state seismic preamplifier (voltage gain, 200X), direct signal transmission over cable to HVO and HVO-built solid state amplifier and galvanometer driver, or Observatory-built electromagnetic seismometer with 2 Hz galvanometer. Peak magnification approximately 40,000 at 4 Hz.

Type 4. Consists of:

Sprengnether short period vertical and horizontal seismometers (E-W) with 1.5 sec. galvanometers, coupling factor = 0.25, 2X critically damped. Peak magnification approximately 1500X at 2 Hz.

Experimental type amplifier systems are not given type numbers.

stations. Figure 1 and Table 1 give the station locations and instruments for 1974.

Recording. FM signals from both hardwire and VHF radio receivers are tied in to the discriminator rack where the various carrier signals are demodulated. Analog seismic signals are recorded on one of two develocorders that are capable of recording up to 18 channels of data on 16mm film, plus 2 channels for timing. Data for approximately 24 hours are recorded on 48m of film. The signals are placed on film in the order that best facilitates the preliminary evaluation of earthquakes from known seismic sources. Combinations of signals from ideally located stations are selectively recorded in successive order to monitor the most important seismic zones of Hawaii. The combination of key signals are placed on the master recorder designated as the A Develocorder. The processed film obtained from the A Develocorder is scanned to select and read well-recorded earthquakes, and to prepare daily counts of small earthquakes from the various persistent seismic sources to serve as an index of seismicity. Arrival times of quakes larger than about magnitude 2 are also read for stations recorded on the B Develocorder. Six key stations are also recorded on smoke drums (at 60mm/minute) for rapid daily assessment of seismicity around Kilauea.

Develocorder records are read on a film viewer with 20x magnification. Arrivals are read to the nearest 0.05 second. The recorded arrival times, amplitudes (where readable), and other key data are routinely sent to N.C.E.R. in Menlo Park for computer processing.

In addition to the standard stations, optical seismographs are maintained at Uwekahuna, Hilo, Maui, and on Oahu (Kipapa station operated by Honolulu Observatory). The less sensitive short period records are used primarily for S data, and amplitude measurements for magnitude calculations to supplement readings on the 16mm film strip.

At HVO a master clock is used for timing all seismograph records. The clock is a crystal controlled chronometer with solid state counters having outputs for hour, minute, and second marks. The drift rate is a few milliseconds per day. At least once a day WWVH is recorded on all timing channels on the develocorders so a time correction can be applied to all seismic data. A time code generator with Irig-C and Irig-E code was installed in the later part of 1974 for timing magnetic tape recorders.

Seismograph system response. The standard system response (including develocorder response) and system magnification are shown in Figure 2. The dashed curve, with its amplitude scale to the right of the figure, represents the total system response exclusive of the geophone. This curve is determined by putting a 100 microvolt RMS sine wave signal into a preamp/VCO at an electronic gain of 4000 at specific frequencies and subsequently reading the absolute peak to peak amplitudes on a 20x film reader. System parameters are:

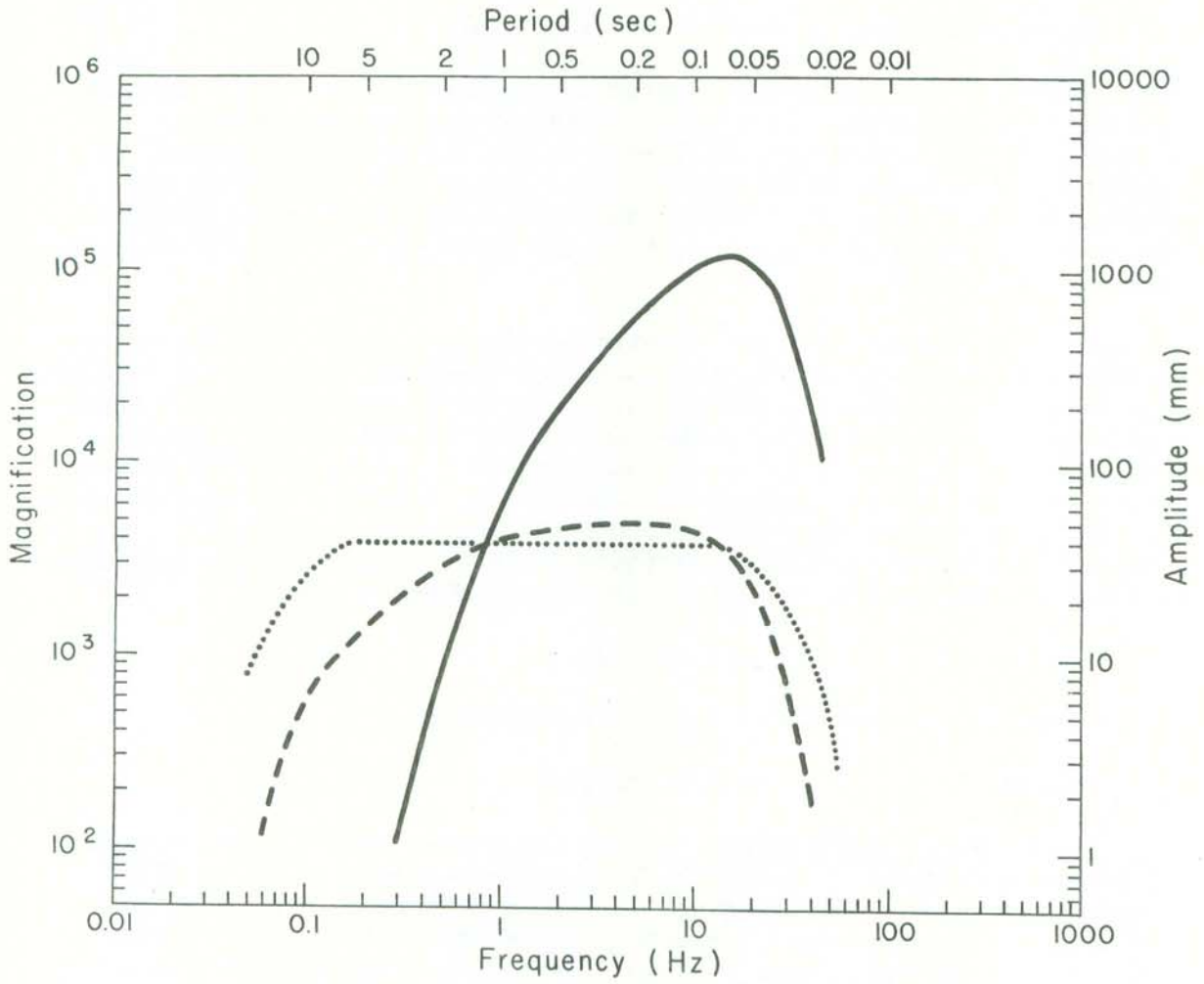

Figure 2. System response curves for a standard Hawaiian Volcano Observatory seismograph system. Solid curve (scale at left) represents the total unit magnification for a system. The dashed curve (scale at right) represents the electronics and recording response (VCO to Develocorder galvanometer). The dotted curve is the response of the purely electronic portion of the system (VCO to discriminator).

VCO deviation	-- ±125Hz for ±5 volts d.c.
Discriminator output	-- ±2.0 vdc for ±125 Hz deviation plus 6db/octave high cut filter on output
Discriminator-galvo RC coupling	-- R = 24,000 ohms 1% tolerance C = 8 microfarads, 5% tolerance
Galvonometer free period	-- .091 sec.

3 db points for the system are approximately 0.6 Hz and 15 Hz. Response characteristics for the electronics of the system are determined by filtering in the preamp/VCO, filtering of the discriminator output, RC coupling to the develocorder galvonometer and by the response of the develocorder galvonometer. Variations in RC components and individual galvonometer responses contribute to small differences in system response from trace to trace.

The peak response for the electronics is very close to 5 Hz, hence to determine the total electronic gain of a specific station, a 5 Hz sine wave calibration signal is periodically applied at the seismometer input of the preamp/VCO to determine the sensitivity of the electronics at individual stations during routine maintenance (damping resistor networks for the seismometer are bypassed). The system magnification (solid curve, Fig. 2) is determined from the theoretical output of a standard seismometer and the electronic response of the system. Average constants assumed for the theoretical output of the seismometer are:

Free period	-- 1 second
Loaded motor constant	-- 0.5 volt/cm/second
Damping	-- 0.8 critical

Seismograph system calibration. During the summer of 1972, seismometer parameters were determined for 25 EV-17 seismometers used in the HVO network. Electronic responses for 15 standard systems (Type 1) were verified. Input impedances for type 1 electronic units were fixed at 4000 ohms and an appropriate resistor network was installed at each of these sites to adjust the loaded motor constants of all seismometers to 0.5 volt/cm/sec. Eleven stations classified as type 3 or experimental were not calibrated. During 1974 all stations except DES were converted to the standard system. Low powered CMOS JE302 preamp/VCO units (Van Schaak, 1975) were introduced into the network. The new units were designed to operate from a small mercury battery power pack. Current requirement is 200 microamps at ±5 volts d.c.

Magnitudes calculated by the location program HYPOMAG, a modified version of HYPOLAYR (Eaton, 1969), require knowledge of the sensitivity of standard stations relative to the Wood-Anderson torsion seismograph. Amplitude readings from Develocorder records are reduced to the equivalent amplitudes that would have been read on the seismogram from a Wood-Anderson seismometer if located at the site of the more sensitive seismometer (Eaton, et al., 1970). Table 3 lists the four different instrument response arrays that are used for the seismometer network. The values given are the log (base 10) values for the ratios of unit responses for types 1, 2, 3, and 4 to the responses of the Wood-Anderson seismometer. Figure 3 is a graphic comparison of type 1, 3, and 4 responses to the response of the Wood-Anderson seismometer.

The 5 Hz calibration signal put in at 10, 100, and 1000 microvolts rms levels is reduced to a 10 microvolt equivalent for obtaining the calibration factor (CAL). The CAL factor represents the peak to peak value of the sine wave record (read in mm on a film viewer with 20x magnification) produced by the 5 Hz signals. Each system response in Table 3 and Figure 3 assumes a station calibration factor of 1.0 (normal CAL for an electronic gain of 1000x). To obtain the approximate magnifications for each station at frequencies above 3 Hz the log (base 10) value of CAL and the log (base 10) of 2800 are added to the unit log response values from Table 3. For example, at 10 Hz MLO has an approximate magnification of 1,230,000: $\log_{10}$ 2800 + $\log_{10}$ 6.5 + 1.83 = $\log_{10}$ 1,230,000.

Most of the network stations were changed or recalibrated during 1974. Table 1 lists the date of change, and both instrument type and CAL factor before and after the change. Minor changes in CAL factors may not be listed if they are less than 20%. Response curve and magnification for system 4 is similarly determined from calculated and experimental values.

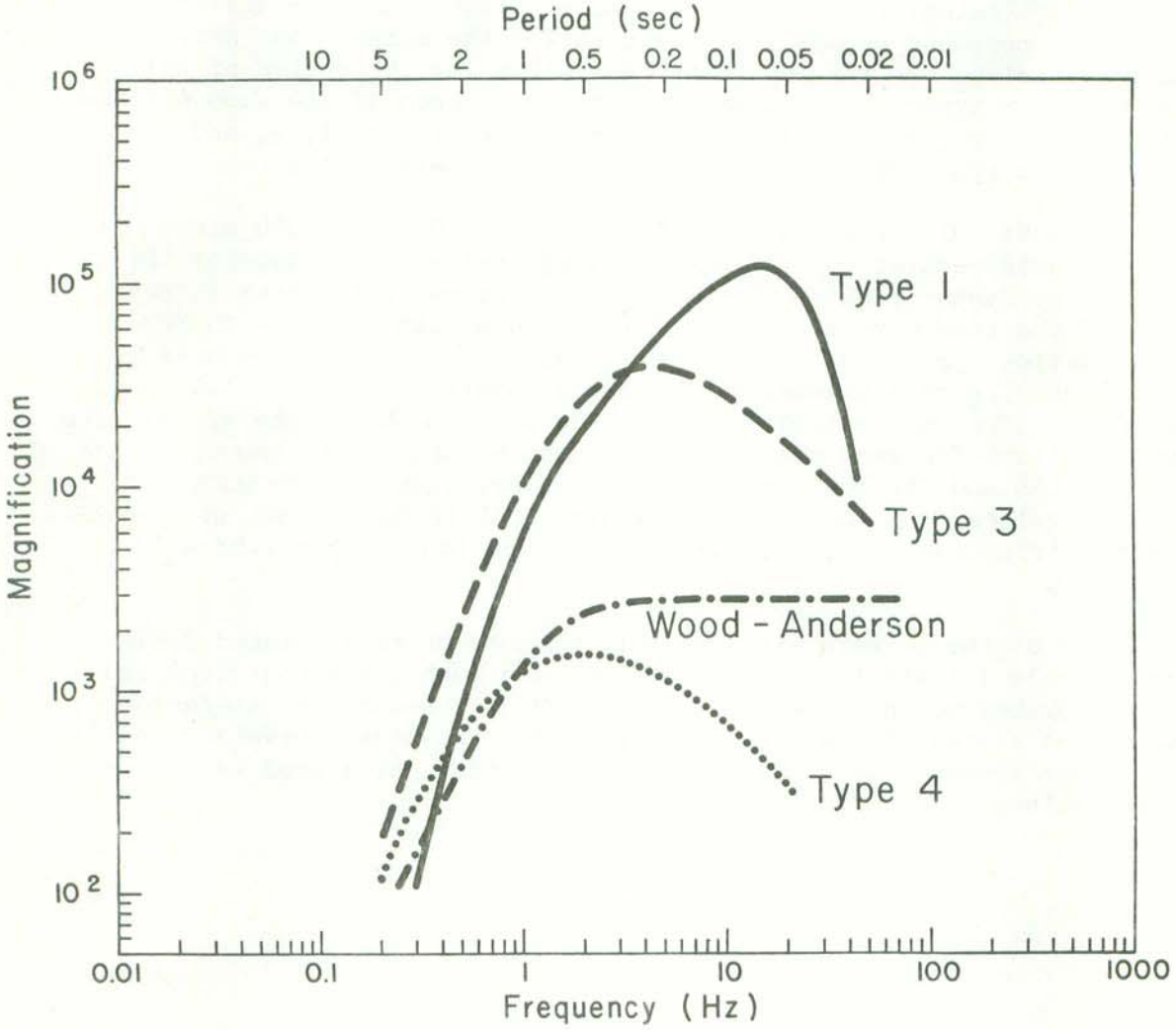

Figure 3.--System response curves for the Wood-Anderson torsion seismograph and for the 3 different types of seismometer-amplifier (or galvonometer) combinations in use by the Hawaiian Volcano Observatory.

FREQ.	PERIOD	TYPE 1	TYPE 2	TYPE 3	TYPE 4
0.013	79.432	0.0	0.0	0.0	0.0
0.016	63.095	0.0	0.0	0.0	0.0
0.020	50.118	0.0	0.0	0.0	0.0
0.025	39.810	-1.300	-0.690	-0.450	-0.290
0.032	31.623	-1.060	-0.580	-0.350	-0.200
0.040	25.119	-0.870	-0.480	-0.250	-0.110
0.050	19.952	-0.620	-0.380	-0.150	-0.030
0.063	15.849	-0.390	-0.290	-0.050	0.050
0.079	12.589	-0.140	-0.180	0.040	0.120
0.100	10.000	0.250	-0.080	0.140	0.180
0.126	7.943	0.300	0.020	0.240	0.230
0.158	6.310	0.390	0.120	0.330	0.260
0.200	5.012	0.500	0.210	0.430	0.270
0.251	3.981	0.600	0.300	0.510	0.280
0.316	3.162	0.700	0.390	0.600	0.260
0.398	2.512	0.790	0.470	0.670	0.230
0.501	1.995	0.880	0.540	0.740	0.190
0.631	1.585	0.960	0.620	0.790	0.120
0.794	1.259	1.040	0.680	0.840	0.050
1.000	1.000	1.100	0.740	0.890	-0.030
1.259	0.794	1.150	0.780	0.940	-0.100
1.585	0.631	1.210	0.840	1.000	-0.160
1.995	0.501	1.280	0.900	1.060	-0.200
2.512	0.398	1.360	0.950	1.110	-0.240
3.162	0.316	1.450	0.980	1.140	-0.280
3.981	0.251	1.540	0.990	1.150	-0.330
5.012	0.200	1.630	0.970	1.140	-0.390
6.310	0.158	1.710	0.930	1.110	-0.460
7.943	0.126	1.780	0.870	1.060	-0.530
10.000	0.100	1.830	0.780	1.000	-0.620
12.589	0.079	1.800	0.700	0.920	-0.710
15.849	0.063	1.780	0.620	0.840	-0.800
19.952	0.050	1.680	0.540	0.750	-0.890
25.119	0.040	1.510	0.460	0.660	-0.990
31.623	0.032	1.340	0.370	0.570	-1.090
39.810	0.025	0.0	0.290	0.470	-1.190
50.118	0.020	0.0	0.210	0.370	-1.290
63.095	0.016	0.0	0.130	0.0	0.0
79.432	0.013	0.0	0.0	0.0	0.0
99.999	0.010	0.0	0.0	0.0	0.0

Table 3.--System Response Arrays - Log Magnification.

TILT INSTRUMENTATION

In addition to the seismic network, a network of spirit-level tilt stations (dry), borehole tiltmeters, and water-tube (wet) tilt stations is maintained. The network is located primarily on Kilauea Volcano with ongoing work to establish stations on the summit of Mauna Loa and its rift zones. In December 1974 the tilt network at Kilauea Volcano consisted of:

a) 31 dry tilt stations

b) 3 borehole tiltmeters

c) 10 water-tube (wet tilt stations)

d) 1 continuous recording Ideal-Aerosmith

Dry tilt and wet tilt stations are routinely occupied once quarterly, although dry tilt stations are occasionally occupied more often. Borehole tiltmeter data are telemetered via audio carrier by VHF radio or cable. Frequency multiplexed signals are demodulated for analog recording at the Observatory. An Ideal-Aerosmith mercury-pool capacitor-type tiltmeter (1m base) is located at the Uwekahuna vault, and the analog signal is recorded at the Observatory.

DATA PROCESSING

Routine processing of Hawaii earthquake data consists of several steps. These are:

a) Computer coded reading sheets are shipped to the National Center for Earthquake Research for keypunching.

b) After punching and verification, the data is used in a location program for what is called a first run.

c) First run computer output is sent back to the Observatory for retiming of what appear to be poor readings.

d) Computer cards for retimed readings are corrected and the earthquake data are subject to one or two more passes through the location program.

Summary cards containing earthquake parameters are part of the computer output on the final run (stored on disk file or magnetic tape). Line printer plots for first motions are also obtained. Printed outputs from the final run are sent back to the Hawaiian Volcano Observatory. When processing for one year is complete phase cards are loaded on to magnetic tape for final location and subsequent analysis. Copies of magnetic tapes and original phase cards are stores at N.C.E.R. Computer output from all final location runs is put on microfiche (48x reduced). Copies of microfiche for 1974 and subsequent years are available for inspection at HVO and at NCER in Menlo Park.

During the last 5 years two different location programs have been used. From January 1970 to December 1973 HYPOMAG was used for the routine processing. A switch to HYPOELLIPSE (Lahr, in prep.) was made for data beginning January 1974. In this time period 3 different models have been used in the location programs. These are:

From January 1970 to December 1970

Layer	Velocity km/sec	Depth km	Thickness km
1	3.9	0.0	3.1
2	5.0	3.1	8.1
3	6.8	11.2	3.6
4	8.25	14.8	

From January 1971 to 1973

Layer	Velocity km/sec	Depth km	Thickness km
1	1.8	0	0.8
2	3.1	0.8	1.4
3	5.2	2.2	5.8
4	6.8	8.0	5.5
5	8.25	13.5	

From January 1974 to present

Layer	Velocity km/sec	Depth km	Thickness km
1	2.00	0	.80
2	3.25	.80	1.20
3	6.00	2.00	3.50
4	6.40	5.50	4
5	5.30	9.5	3.5
6	8.30	13.00	1000.00

Station corrections (station delays of Table 1) determined by Klein (unpublished) were applied to 1974 data.

The Hawaii data set will often include phase cards for unlocatable distant events, and for which no solutions are published in the seismic summary.

SEISMIC SUMMARY

Events recorded by the U.S. Geological Survey seismograph network in Hawaii fall in two categories:

1) Local earthquakes and tremor originating in the region of the Hawaiian Islands (usually within 100 km of at least one seismograph),

2) Distant earthquakes originating more than 3,000 km from Hawaii.

As an index of seismic activity at Hawaiian volcanoes, daily counts of earthquakes and minutes of tremor recorded by seismographs in Hawaii are listed in Table 4. The earthquakes are separated in groups on the basis of region of origin as determined by the analysis of records obtained daily at the Observatory (UWE, MLO, MLX, AHU, DES, NPT, WPT, MPH, KMO, OTL).

Computer locations of well-recorded events are listed in Table 5. The location of each seismograph station is listed in Table 1, along with a description of the equipment at each station.

Table 4.--Number of earthquakes and minutes of tremor recorded on seismographs around Kilauea. Tremor is separated into three categories: Deep, Intermediate, and Shallow, on the basis of relative amplitude on seismographs in the summit region. Unless otherwise stated, tremor is presumed to be associated with movement of magma within the central complex of Kilauea Volcano.

Earthquake categories are: Kilauea Summit 30 km, earthquakes from about 30 km beneath the summit region; Kilauea Summit long-period, earthquakes characterized by low-frequency waves from intermediate depths roughly 5-10 km beneath the summit region; Kilauea Summit Shallow, earthquakes from within a few km beneath the caldera region; SW Rift and Kaoiki, earthquakes along the southwest rift zone of Kilauea and the adjacent portions of the Kaoiki fault system; Upper East Rift, earthquakes from the upper east rift zone of Kilauea; Koae, earthquakes from along the northeast-trending Koae fault system south of the caldera; Lower East Rift, earthquakes from the lower east rift zone of Kilauea; South Flank, faults on the south flank of Kilauea; Mauna Loa L-P, earthquakes characterized by low-frequency waves from Mauna Loa volcano; Mauna Loa S-P earthquakes from within a few kilometers beneath the summit of Mauna Loa; Offshore PPL, earthquakes from mostly offshore areas south of Puu Pili station.

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes										
				Kilauea Summit			Kilauea Flank					Off-shore PPL	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank		
January 1		9m	Moderate to low fluctuating tremor from the upper east rift--high tremor amplitude and decrease in shallow summit quakes coincide with pickup of Mauna Ulu eruptive activity.		64	259	13	34	5	1	4	5	
2	9m				25	254	16	66	5	5	8	2	
3	10m	15m		2	24	264	8	94	6	5	21	2	
4	15m	3m		2	2?	266	23	105	7	2	?	1?	
5	30m	5m			66	147?	9	47	6	2	1		
6				1	16	269	7	30	9	2	5	5	
7		3m			49	261	19	51	12	1	20		
8				6	84	413	15	49	2	5	3		
9		11m?		2	113	429	18	40	8	2	12	5	
10		11m		2	90	424	8	31	1	7	9		
11				3	149	619	35	52	5	2	39	2	
12	11m			2	187	915	20	36	4	1	37	2?	
13				1	38	717	4	13	13	4	15	1	
14				2	28	782	14	23	6	2	20	1	
15		9m		1	30	769	7	20	8	3	20	2	
16		15m		2	28	509	7	35	3		24		
17		20m?			37	370	8	43	1	2	25	1	
18	30m	9m			53	314	5	39	3		2?		
19		5m			54	367	4	36	3	2	4	3	
20		17m		1	120	465	14	41	3	2	2	4	
21				1	110	691	21	28	6	1	11	3	
22				1	116?	703?	25	21	5	4	6	4	
23				2	99	1066	20	19	8	1	2	2	
24		12m			27	458	5	4	1		10		MAU station overrun by Mauna Ulu lava; replaced by PAU.
25				1	19	186	5	7	2	2	6	2	
26				1	33	228	15	13		1	12	4?	
27		3m		1	42	347	14	8	2	1	19		
28		23m			127	579	22	23	11	2	17	1	
29		3m			30	532	9	8	4	1	3	2	
30					20	124	13	10	5	3	2	1	
31		42m?		1	102	254	19	10	4	2	19	1	

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes									
				Kilauea Summit			Kilauea Flank					Off-shore PPL	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank		
February 1			Moderate to low fluctuating tremor from the upper east rift--high tremor amplitude and decrease in shallow summit quakes coincide with pickup of Mauna Ulu eruptive activity	3?	72	345	5	16	5	2		3?	Increase of Mauna Loa L-P quakes during the month.
2		5m		1?	25	175	11	16	5	3	2	2?	
3					27	220	10	2	2	1	10		
4	37m	5m		1	69?	318?	17?	16?	11?	3	15?	1	
5		25m		4	88	407	12	27	17		6		
6					122	534	17	28	5		9	5?	
7	85m				62	497	22	15	9	5	12	1?	
8				3?	59	249	13	15	1	2	9	1	
9		15m			76	209	37	12	11	2	5	1	
10					11	228	12	19	3	3	21	1	
11		3m		1	16	324	15	21	6		6	1	
12		7m		1	47	651	23	25	2	1	5		
13		12m		2	81?	878?	19?	26?	7?	1	9?	1	
14		3m		2?	8?	358?	8?	17?	2?	3	4?		
15	20m				11	248	5	16		1			
16	?				51	486	10	12			1		
17	40m			1	24	526	21	17	1	1	1		
18		11m		2	96	918	19	19	2	4	8	2	
19	24m			2	62	1306	17	14	4	2	11	2	
20	18m?				16	1087	11	11	3	3	9	2?	
21					13	1160	16	8	7	1	17	1	
22	8m	11m			30	1391	23	16	4	2	14		
23	44m	4m			25	1237	19	15	1		11	2?	
24				1	26	1123	28	17	3	2	18	2	
25	43m				67	1084	18	15	5	4	1		
26	5m	6m		1	49	1013	19	13	2	4	13	1	
27	3m	3m		1	25	1354	7	12	3	6	12		
28	30m?			2	23	1065	10	16	3	2	11	1	

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes										
				Kilauea Summit			Kilauea Flank					Off-shore PPL	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank		
March 1		5m	Fluctuating moderate to weak tremor from the upper east rift		2	1235	20	24	6	2	2		Intermittent small flurries of Mauna Loa. L-P quakes during the month.
2		8m			84	1235	11	41	7	4			
3				2	21	1623?	15	44	1		3	4	
4				1	24	1694	18	37	7	2	2		
5					23	1131	25	27	10	1	4	1	
6				2	39	537	9	14	3		8	3	
7				1	26	490	20	13	3	2	2		
8				1	51	671	16	26	8	3	8		
9	10m	37m			108	987	16	47	6		6		
10					22	858	16	22		5	9	4	
11	14m				26	1055	17	21	3	5	12		
12		24m		1	35	1554	26	17	2	4	7		
13		42m		1	29	1182	17	17	5	7	15		
14		10m		1	19	1774	18	41	6	10	12		
15		3m		1	12	1761	20	34	5	1	14	1	
16		11m			33	1408	30	45	5	9	23	1	
17		9m		2	16	789	12	25	8	1	13	2	
18					18	361	20	18		1	14	1	
19		12m?		1	61	332	18	41	4	2	8		
20		50m?		2?	34	438	32	43	4	1	6		
21		6m		1	51	633	17	21	5	2	24		
22	25m	3m			17	278	19	22	3	3	6		
23		3m			2	208	7	427	6	3	21		
24		3m		1?	25	233	19	60	2	1	64		
25		10m?		6?	66	409	15	40	15	1	37	3	
26				27	56	458	32	35	20	2	28	4	
27	60m	5m		1	190?	302	34	68	10	1	28	4?	
28	11m	17m		2	158	384	15	30	1	5	18		
29		3m			35	188	8	27	7	4	2		
30	5m?	2m			20	239	7	29	12	2	3	2	
31		4m			9	286	15	27		2	31		

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes											Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa			
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P	Off-shore PPL	
April 1	31m		24h	1	12	266	11	16			16				
2			24h		6	171	8	22			16	1		1	
3			24h	1	5	201	15	12	2	2	18				
4	3m		24h	1	4	156	14	15			16	1		1	
5			24h	1	30	216	30	38	4	5	6			5	
6			24h	2	13	402	20	45	6	2	2	2		1	
7			24h		18	438	23	41	6		8	3		1	15 KM-11
8		6m	24h		11	342	13	18	3	2	11			1	15 KM- 2
9		9m	24h		17	434	11	28		1	14	1		1	15 KM- 1
10			24h	3	32	716	18	41	8	4	7	15		2	
11			24h		53	789	29	48	9	5	3	7			
12		25m	24h		22	444	12	18	7	1	2			1	
13	45m	5m	24h		23	218	5	24	5	1	2			3	15 KM- 1
14		7m	24h		19	411	24	62	2	2		3		2	
15			24h	2	16	501	23	25	8	1	4	1		2	
16			24h	4	14	288	11	38	12	2	6	5			
17	4m		24h	7	12	360	13	32	2	2	11	3		1	
18			24h		6	506	15	44			19	1		2	
19			24h		15	388	14	57	5	4	13	6		1	15 KM- 1
20						425	15								Smoked record count
21			24h												
22	52m		24h	1	9	405	15	23		2	17			1	15 KM- 5
23			24h		8	224	6	31	5	2	27				15 KM- 6; Power failure 1221-0042
24			24h	1	19	395	24	45	11	2	11	35		3	15 KM- 3
25			24h		12	286	9	36	2	3	20	4			
26	6m	20m	24h		31	328	6	18	1						
27	38m		24h		34	217	8	11	1	1	8				15 KM- 4
28			24h	1	10	272	18	22	1	1	7	2		1	
29				4	42	377	16	36	15	7	22	12		2	
30		2m	24h	1	5	236	16	21	1	2	11	1	41		

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes											Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa		Off-shore PPL	
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P		
May 1			24h		2	188	11	19	5	2	20	2	23	2	
2			24h	1	1	245	9	7	1	2	11		18		
3			24h	3	15	331	29	28	3	2	6	38		5	15 KM- 1
4			24h		43	615	31	36	9	1	8	38		4	15 KM- 4
5			24h	1	25	518	19	9	1		10	2	7		
6			24h	1	76	591	22	37	7		4	20	16	2	
7			24h		39	514	26	18	6		5	5	17	1	
8			24h		7	380	19	17	1		10	1	112		
9		3m	24h		144	359	14	25	4		12		29		15 KM- 1
10			24h	1	495	279	15	7			2	3			
11	12m	1h	24h		311	290	8	12	4	2		4			15 KM- 1
12	4m	23m	24h		189	503	9	54	2	2	12	4	14		
13		14m	24h	2	43	520	12	64	4	2	8			3	15 KM- 2
14	36m	12m	24h	4	26	626	16	74	2	1	14			2	
15	11m		24h		52	775	23	81	10	3	2	10	14	4	
16	47m	5m	24h		69	1567	11	80	8	6	18	1		5	15 KM- 5
17		6m	24h		36	879	4	64	7	1	23	6			15 KM- 2
18		28m	24h		237	640	12	67	9	1	18				
19		18m	24h		107	1203	14	58	12	2	18	4			15 KM- 2
20		10m	24h		124	622	19	81	8	2	71				15 KM-11
21		7m	24h	1	75	1135	37	153	13	1	153	1			15 KM- 2
22		9m	24h		31	952	38	123	7	1	79			5	15 KM- 4
23		6m	24h	2	22	592	47	114	5	5	56	4			
24			24h		14	1297	42	26	9		9		7		
25			24h		16	1348	27	42	11	1	7	2			15 KM- 2
26		6m	24h		8	995	24	39	10		9	5			
27		20m			23	1350	12	96	14	1	54	1		1	15 KM- 3
28		19m	24h		26	1179	9	146	9		53	5			15 KM- 3
29	5m	24m	24h	1	73	825	10	185	31		39	2			
30		20m	24h	2	36	376	18	80	5	1	25				15 KM- 7
31			24h		135	168	41	16	8	3	8	3		2	

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes											Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa		Off-shore PPL	
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P		
June 1			24h	2	194	140	26	16	10		13	1		2	15 KM- 2
2		16m	24h		150	212	8	17	1	1	8	1			15 KM- 1
3		9m	24h	1	39	219	25	10	2		9	1		3	15 KM- 1
4	10m	16m	24h		58	189	25	38	9	1	12	10		4	15 KM- 2
5			24h	1	62	231	45	38	5		5	2		2	
6		6m	24h	1	69	290	26	33	12	1	14	3		3	
7	220m		24h		50	289	22	5	3	1	3		8		
8		5m	24h		40	263	7	3	6	1	3		6		
9		25m	24h		19	399	15	12		1	6	4		2	15 KM- 1
10		10m	24h		61	483	15	14			7				15 KM- 1
11		7m	24h		215	723	10	27	2		16				
12		17m	24h	1	127	468	15	22	3		6	2		2	
13		4m		2	183	267	13	64		4	10		1		
14			24h		44	308	21	69	3	4	8	1		1	
15	5m	28m	24h	1	122	402	22	87			16		2	1	
16	10m		24h		128	957	26	64	13	3	9	53	37	2	
17	5m		24h		34	618	10	68	3		20	20		1	15 KM- 1
18			24h	2	14	540	650	67			16	7		1	15 KM- 1
19		6m		2	27	682	2382	71	10	4	8	36		4	
20		7m	24h		7	620	353	56	5		23			1	
21	2m		24h		41	624	209	24	5	2			8		
22			24h		7	1181	203	51	7		16	7			
23			24h	1	29	818	144	40	4	1	16	2			
24		10m		2	50	1106	282	101	12		6	7		1	15 KM- 1
25		5m	24h		19	519	97	52	5		12	16			
26		14m	24h		11	423	67	39	2	1	18	13			
27				1	40	712	163	94	12		13	47	112	1	
28		11m			50	525	137	113	16	2	11	48		3	
29		7m			189	480	84	86	19	1	7	19	92	3	15 KM- 1
30		3m			143	472	70	52	14		15	17			

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes												Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa		Off-shore PPL		
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P			
July 1				1	234	335	102	95	10		13	20	125	1		15 KM- 1
2				5	221	461	92	72	5		5	19		4		15 KM- 1
3			24h		227	151	37	6	1			16				15 KM- 1
4			24h		208	257	24	16	5		1	10				15 KM- 2
5		7m			108	168	30	12	5	1		11				
6					92	342	49	17	4			18	3			15 KM- 1
7	15m		24h		53	605	53	65	1		15		20			
8				2	85	701	73	65	4	1	6	6	68	2		
9				1	29	690	53	33	6	1	8	4				15 KM-1
10				6	43	1411	84	74	13	1	10	4		1		
11		3m			15	1304	53	67	4	1	14	1				
12		4m		2	15	842	51	99	4	1	19	11				
13	55m				6	627	46	68	2		14	11				
14				2	5	641	44	57	3	1	20	10		1		
15				1	8	432	42	61			21		1	1		
16				3	10	509	47	76	19		7		204	1		
17				4	30	440	67	84	16	1	6	5	98			
18			5h		23	522	35	1309	17		10	12				15 KM- 1
19			24h		61	353	55	266	19	4	5	3				15 KM- 1
20	7m		24h	2	50	81	64	25	13	2	21			2		Kilauea summit
21	35m		24h	3	many small	96	58	51	8		11	2				eruption, 1230 7/19
22	20m		24h		455	401	46	39	3		8	4				
23					361	346	45	41	18		23	2		1		15 KM-43
24					285	320	59	20	17		18	5				15 KM-18
25		16m			266	642	57	26	22		16	3				15 KM-11
26				5	324	726	56	68	12		2	28		2		15 KM- 2
27				2	287	891	50	74	10			20				
28		5m		1	314	1195	48	81	6	1	9	26	149	2		15 KM- 8
29	14m			2	212	1136	41	68	9	2	3	60	84	1		
30				1	284	941	46	72	7	1	5	119	202	3		
31		12m		2	159	825	54	47	18	1	54	38	138	2		

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes												Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa		Off-shore PPL		
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P			
August 1		15m			158	270	47	20	9	1	14	2	77			15 KM- 7
2				1	94	137	23		5	3	1	1	1	1		
3		1m			86	181	33	5	5		5	28	11	1		
4	35m			1	180	641	47	24	8		12		105			
5		9m			120	685	22	20	7		9	6	91	2		
6	2m	3m		5	37	801	36	25	12	2	25	4	76			
7			24h	16	81	739	14	36	13	4	20	5	154			
8			24h	4	73	974	41	61	2		28	15	202	1		
9		9m	24h	4	79	886	43	48	10	2	41	6	147			
10		7m	24h	1	41	839	26	47		2	21	12	89	1		
11				3	144	1222	48	66	3		9	49	281			
12		3m	24h		16	779	24	31	1	1	22	2	230			
13				4	91	1351	33	76	5	1	7	83	445	1		
14				4	101	1497	50	124	12	1	8	83	273	4		15 KM- 1
15	35m	11m		3	60	1586	33	101	8	2	7	131	203	1		
16		10m		2	113	1818	36	105	10		9	153	268	5		15 KM- 2
17	48m				75	1999	35	100	10	2	4	120	218	3		15 KM- 1
1	3m	15m		3	95	1973	41	122	18	2	5	148	157	2		
19		12m		1	111	1895	28	64	11	1	4	188	128	1		
20				1	123	2050	32	76	8	5	3	222	139			
21		6m (MOK)[1]		4	76	2069	67	124	12	1	2	261	108	1		
22		4m	24h		52	1469	32	50	7	2	23	61	44	1		
23			24h	1	42	844	27	34	18		2	22	39			
24			24h		35	1161	43	25	15	2	4	51	16			
25			24h	1	55	1509	47	72	26	1	34	64	48			
26		27m			193	1547	64	105[2]	12	2		145	76	4		15 KM- 1
27		14m		3	673	1468	33	198[2]	9	3		149	72	5		
28			24h	1	269	1170	27	82	7	3	24	79	52			
29			24h	2	167	1154	37	89	15	2	42	42	126	1		
30			24h		33	769	23	33	7	3	1	28	46			
31	2m		24h	1	41	978	25	47	8	1	1	14	44	1		15 KM- 1

[1] (MOK) tremor beneath Mauna Loa Volcano.
[2] Upper East Rift and South Flank.

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes												Remarks
				Kilauea Summit			Kilauea Flank					Mauna Loa				
	Deep	Inter-mediate	Shallow	30 KM	Long-Period	Shallow	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	South Flank	L-P	S-P	Off-shore PPL		
September 1	2m		24h		223	913	21	65	9	3	2	16	101			15 KM- 1
2	10m	7m		4	703	1442	22	103	13	1	21	43	88			15 KM- 1
3		7m		1	637	1352	22	134	9	2	12	21	77			
4				3	173	1229	37	138	8	2	15	85	71			
5				3	68	1134	42	137	10		23	48	133			
6					60	1403	41	142	13	1	27	21	286	1		
7		3m			51	1429	47	195	8	2	33	25	177			
8				3	27	1406	38	121	2	4	12	10	70			
9		8m			53	1354	26	131	11		11	13	99	1		
10				1	27	616	41	64	21	1	7	10	56	2		
11					5	528	24	74	3	2	1	16	66			
12				1	12	649	26	122	2	5	2	27	53			
13					6	501	13	23	11			11	39			15 KM- 1
14					6	552	10	17	10	1		6	46			
15					55	1170	39	87[2/]	7	4		46	77			15 KM- 1
16				1	46	1308	48	94[2/]	10			114	63			
17		13m			38	1035	21	67[2/]	6			91	82			Kilauea
18			8h		17	784	21	71[2/]	8			36	75			summit
19			24h		179	1394	22	70[2/]				53	94	1		eruption-
20			2m	3	154	1489	34	147[2/]	6	3		114	145	2		tion before
21		19m (MOK)[1/] 25m			126	852	33	99[2/]	5	2		153	131	3		0126, 9/19 15 KM- 5
22	5m		24h	1	50	832	18	120[2/]				131	134	1		15 KM- 2
23			24h	4	34	708	31	84[2/]	8			99	108			
24			24h	1	40	724	13	59[2/]	2			124	149			
25	19m	8m (MOK)[1/]	24h	4	94	519	33	95[2/]	4			121	138	1		
26			24h		30	621	11	58[2/]	2			98	103			
27			24h	1	1	305	10	21[2/]	4	2		7	39			
28	10m		24h		1	435	17	29[2/]	9	1		4	35			
29			24h	1	36	525	12	69[2/]	1	3		84	104			
30			24h	2	55	688	14	79[2/]	3	4		41	60			

[1/] (MOK) tremor beneath Mauna Loa Volcano.
[2/] Upper East Rift and South Flank.

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes										Remarks
				Kilauea Summit			Kilauea Flank				Mauna Loa			
	Deep	Inter-mediate	Shallow	30 KM	L-P	S-P	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	L-P	S-P	Off-shore PPL	
October 1	5m	3m	24h		60	570	12	57			84	89		
2			24h		27	470	12	34			45	112	1	
3			24h		57	575	14	44	1		74	100		
4		4m	24h	1	40	564	15	60	2	2	46	95		
5		7m	24h	2	23	665	8	64	1		80	91		15 KM- 1
6		3m	24h	1	36	828	9	94	2		54	54		
7			24h		50	840	3	49			28	52		
8		5m	24h		222	796	12	68	2		36	47		
9		7m	24h		46	660	7	63			72	43		
10		3m (MOK)[1]/ 5m	24h		96	535	39	74	7		63	89	1	15 KM- 2
11			24h		31	461	10	24	12	1	8	80	2	
12			24h		33	638	14	24	15		9	96	1	
13			24h		37	578	18	21	5	1	15	116		15 KM- 1
14	20m	3m (MOK)[1]/	24h	1	170	897	51	127	10	1	114	174	1	
15		7m (MOK)[1]/ 14m	24h	1	151	604	42	81	14		80	188	2	
16		4m	24h	1	30	429	12	46	2		51	76		
17		3m (MOK)[1]/	24h	3	80	640	30	95	14		62	119	2	
18			24h	2	21	372	34	81	7	7	89	92	4	
19			24h	1	123	457	35	104	10		79	93	2	
20		8m (MOK)[1]/ 7m	24h	4	78	324	42	50	18	1	168	119		
21			24h	1	21	338	9	46	2		46	59		
22	47m	11m (MOK)[1]/ 6m	24h	1	50	403	27	39	15	1	32	108	3	
23		8m	24h	1	15	574	9	50	8	1	15	34		
24		34m	24h		26	587	14	61	6		28	90		
25			24h		7	470	14	22	5	1	4	91		
26			24h		8	698	10	42	9		8	56		
27			24h		2	564	23	25	12	1	9	34		
28	25m	4m	24h		25	857	21	84	9		22	58		
29				4	54	934	54	125	35		17	117		
30	44m		24h	1	26	490	12	48	15		45	58		
31			24h	2	25	727	16	72	6		28	50		

[1]/(MOK) tremor beneath Mauna Loa Volcano.

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes										Remarks
				Kilauea Summit			Kilauea Flank				Mauna Loa			
	Deep	Inter-mediate	Shallow	30 KM	L-P	S-P	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	L-P	S-P	Off-shore PPL	
November 1		22m	24h		38	876	16	90	14		34	57		
2		3m	24h	1	34	737	19	90	9	1	36	75		
3		13m	24h	3	41	758	13	75	4		14	44		
4	5m	10m	24h	2	46	733	12	66			9	52		
5		27m	24h	2	71	736	6	62	1		10	50		
6		6m	24h	1	44	444	5	45	4	2	15	34		
7		80m	24h		105	412	17	51	2		4	32	2	
8	5m		24h		15	301	5	25	3	2	4	84		
9			24h		27	709	26	13	14		7	60		
10			24h		32	392	11	64			5	78		
11			24h	1	8	166	6	51	4		6	93		
12			24h		23	293	11	58	5	1	5	50	1	15 KM- 1
13					13	167	11	67	1	2	6	36		
14					26	425	29	84	10		5	66		
15				2	55	563	36	113	33		29	144	1	
16					15	363	30	93	19	1	7	110	1	
17				2	20	500	18	91	3		5	78		
18	3m	4m		3	14	801	8	75	1	1	8	60		
19	5m			2	13	506	13	74			17	68		
20				1	23	594	11	75	1		12	72	1	
21				10	23	719	19	99	2	2	11	83		
22					3	782	18	16	9	1	6	69	1	
23					4	837	24	19	15		7	80	1	
24				2	28	806	15	80			3	57		
25		2m (MOK)1/ 6m		1	47	1001	41	140	35	1	9	93	1	
26				4	39	608	10	100	5		14	111		
27	5m			2	32	600	9	99	2		7	81	2	
28				1	10	508	7	88	1		3	42		
29	10m				19	786	555	238	14	2	19	204		
30				1	68	707	1142	97	9		27	183		

1/ (MOK) tremor beneath Mauna Loa Volcano.

Date (1974)	Tremor (m = minutes h = hours)			Earthquakes										Remarks
				Kilauea Summit			Kilauea Flank			Mauna Loa				
	Deep	Inter-mediate	Shallow	30KM	L-P	S-P	SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	L-P	S-P	Off-shore PPL	
December 1		8m		5	238	702	788	115	42	4		175		
2				1	197	757	443	115	16	1		111	5	
3					162	824	344	89	50	3	56	102	1	
4					161	825	186	85	29		14	77		
5	39m			9	27	720	285	169	38	2		198		
6				1	4	908	316	33	47		28	117		
7					35	451	263	133	16	6		269		
8					45	744	142	174	11			655		
9				4	49	682	109	183	16	1		1343	2	
10					58	643	151	239	7			1236	1	
11					21	564	70	264	6			713		
12	35m				43	631	24	124	3		14	575		
13				3	101	725	113	402	23	1		1103		
14					56	523	122	186	34		4	899		
15					43	652	604	72			20	1491		
16				1	25	909	468	43	1			449		
17					34	995	247	88	7	1		209		
18		10m		1	74	1080	198	105	7			216		
19		5m			73	1541	162	183	8	4	2	358		
20				9	96	1127	205	236	63	2		182	6	
21		67m		1	230	1010	201	189	36			55	4	
22	6m				65	612	73	159	4	1	5	140	1	
23	7m	3m			49	663	163	87	13		27	138	1	
24				23	80	687	98	95	6		9	135	1	
25				71	56	619	96	117	7	1	3	130	1	
26	7m			25	40	829	93	161	20		7	121		
27				3	36	912	63	155		5	3	100		
28				2	33	1115	71	144	19		3	89	1	
29		3m			52	1228	106	186	45			93		
30			3m	1	25	1279	34	87	29	1		192		Count incomplete-- Kilauea summit eruption at 0255, 12/31
31			24h		134	346	6045*	22			1	13		

*Plus Koae (many near Kamakaia Hills and Hilina).

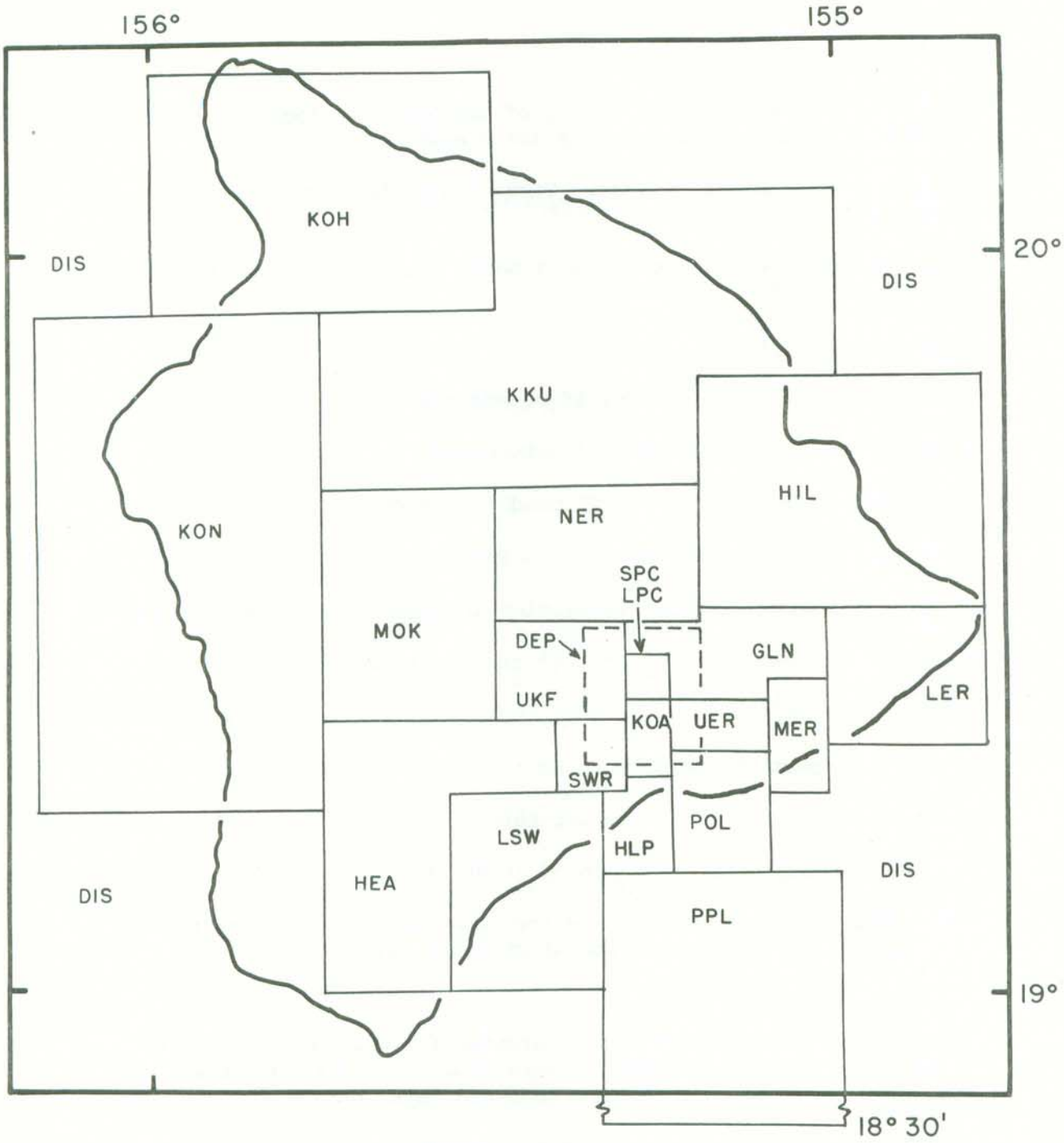

Figure 4. Map indicating limits of areas for specific pnemonic codes used in the remarks column of the earthquake summary. DEP is a code applied to earthquakes with depths greater than 13 kilometres in the Kilauea region. SPC is used for depths between 0 and 6 km, and LPC is used between 6 and 13 km.

Table 5 is a chronological listing of successfully located earthquakes. For each event the following data are presented:

Origin time in Hawaiian Standard Time: date, hour (HR), minute(MN), and second (SEC).

Epicenter in degrees and minutes of North latitude (LAT N) and west longitude (LON W).

DEPTH - depth of focus in km

AMP MAG - amplitude magnitude, if determined.

DUR MAG - duration magnitude, if determined.

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

NS - number of S arrivals used for solution.

GAP DEG - largest azimuthal separation in degrees between stations.

RMS SEC - root mean square error of time residuals in sec.

$$RMS = \left/\overline{\Sigma} \; R_i^2/NR\right/^{\frac{1}{2}},$$

MIN DIS - epicentral distance in km to the third nearest station.

ERH km - Standard error of the epicenter in km.

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

REMK - remarks, three letter code for geographic location of event. See Figure 4 for location of pnemonic code.

Duration magnitudes were not determined for events during 1974, but this magnitude scale will be more complete and accurate at lower magnitudes as reported for 1975 and later data.

The first part of table 5 lists all events located during 1974. The second part lists only events of magnitude 3.5 or larger.

Table 5. HVO EARTHQUAKE SUMMARY LIST

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	1	055	21.55	19	21.81	155	12.51	2.76	1.9		17	0	107	.07	6	.4	1.9	UER
		1	334	57.08	19	25.72	155	24.29	10.00	2.7		23	0	79	.09	8	.6	1.2	UKF
		1	345	23.24	19	19.91	155	11.65	8.69			21	0	87	.14	8	1.0	2.6	UER
		1	6	3 7.38	19	24.26	155	26.45	10.10	2.6		23	0	72	.10	12	.6	.5	UKF
		1	650	1.68	19	24.17	155	26.51	8.97	3.0		28	0	53	.10	12	.6	1.2	UKF
		1	12	8 37.64	19	18.98	155	13.40	9.38	2.6		30	0	74	.09	7	.5	.6	POL
		1	1613	3.30	19	25.94	155	24.96	6.22	1.6		11	0	152	.06	8	.6	2.5	UKF
		1	1817	59.72	19	24.26	155	26.95	8.00	1.8		19	0	133	.08	12	.7	1.5	UKF
		2	627	51.71	19	14.52	155	28.57	11.17	3.5		32	0	91	.15	14	1.0	.4	LSW
		2	846	43.54	19	25.47	155	17.27	7.59	.9		10	0	142	.04	3	.6	1.1	LPC
		2	953	41.73	19	20.04	155	9.82	9.62			11	0	82	.06	8	.7	2.6	UER
		2	1125	30.71	19	24.05	155	23.48	9.94	1.9		21	0	68	.10	8	.6	.7	UKF
		2	1710	26.72	19	21.89	155	9.08	2.73	1.7		15	0	91	.10	11	.7	2.0	UER
		2	1957	34.35	19	14.41	155	28.80	11.23	2.6		29	1	88	.14	14	1.0	.4	LSW
		2	2013	22.75	19	49.13	155	21.23	19.76	2.0		13	1	115	.15	36	2.4	4.0	KKU
		2	2015	35.44	19	21.20	155	24.38	9.59	1.7		24	0	62	.10	9	.6	.5	SWR
		2	2126	43.62	19	21.91	155	11.12	4.35	1.0		17	0	88	.08	8	.6	1.3	UER
		3	0	8 48.88	19	19.60	155	9.19	8.55	1.8		20	0	85	.11	9	.9	1.9	UER
		3	2	8 59.17	19	22.35	155	9.11	2.17	2.0		22	0	80	.14	9	.8	2.5	UER
		3	11	5 22.95	19	21.91	155	9.19	3.73	1.7		14	0	97	.08	9	.8	1.5	UER
		3	1144	42.42	19	22.02	155	10.87	1.97	1.6		12	0	90	.11	8	1.0	99.0	UER
		3	1612	14.65	19	22.10	155	10.20	2.53	1.5		17	0	79	.08	9	.5	1.0	UER
		3	18	2 26.56	19	22.21	155	9.56	2.56	2.0		22	0	76	.12	10	.7	1.4	UER
		3	1925	13.36	19	17.95	155	14.16	7.94	1.6		17	0	125	.08	8	.6	1.0	POL
		3	2020	58.27	19	26.54	155	29.67	7.85	1.9		18	0	71	.14	15	.8	3.4	UKF
		3	21	1 21.59	19	22.06	155	11.17	1.43	1.5		16	0	90	.07	7	.5	.3	UER
		4	0	0 8.01	19	21.59	155	10.03	5.53	1.5		17	0	74	.08	9	.5	2.0	UER
		4	022	35.87	18	47.58	155	9.04	31.32	2.3		18	0	284	.10	59	5.6	8.9	PPL
		4	339	14.31	19	22.03	155	10.12	2.84	1.4		20	0	93	.08	9	.5	1.2	UER
		4	4	9 7.80	19	21.82	155	9.13	3.10			16	0	91	.10	9	.8	1.8	UER
		4	441	48.69	19	18.22	155	13.20	8.79	1.7		23	0	92	.11	9	.7	1.2	POL
		4	455	8.44	19	19.76	155	10.22	8.65			13	0	90	.06	8	.7	1.8	UER
		4	739	59.80	19	19.25	155	9.63	9.16	1.8		15	0	113	.06	8	.8	1.6	UER
		4	845	17.09	18	55.88	155	12.53	42.65			27	0	248	.09	40	2.7	5.0	PPL
		4	930	17.22	19	24.55	155	17.56	13.60	1.6		22	0	63	.07	2	.5	.7	DEP
		4	1135	57.09	19	22.89	155	26.84	12.81	1.9		20	0	80	.08	12	.7	.3	UKF
		4	1520	49.76	19	11.78	155	34.80	9.25			18	0	175	.15	17	1.8	1.9	HEA
		4	1734	13.11	19	22.22	155	24.93	9.26	1.7		24	0	54	.10	10	.6	1.2	UKF
		4	1847	24.15	19	23.55	155	28.71	9.49	1.9		23	0	90	.11	14	.7	1.3	UKF
		4	20	7 58.91	19	21.88	155	24.88	9.47			15	0	101	.07	10	.6	1.1	SWR
		4	2226	35.35	19	26.23	155	29.21	6.93	1.9		21	0	82	.09	13	.6	1.4	UKF
		5	558	52.96	19	16.24	155	22.97	7.09			17	0	130	.12	8	1.0	2.7	SWR
		5	848	.72	19	24.11	155	18.09	46.72			18	0	55	.09	3	2.5	5.8	DEP
		5	11	3 24.38	19	22.12	155	11.17	3.69	1.5		12	0	90	.04	8	.3	1.3	UER
		5	1517	15.14	19	41.63	154	59.23	12.27	3.1		15	0	235	.07	41	2.7	99.0	BLS
		6	224	12.81	19	22.62	155	.83	9.78			9	0	219	.10	28	2.2	.9	LER
		6	439	2.74	19	20.59	155	12.30	7.91			15	0	83	.09	7	.9	2.5	UER
		6	11	1 25.42	19	22.47	155	10.22	2.53	1.6		12	0	171	.09	10	1.2	2.0	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	6	1916	14.44	18	53.80	155	9.95	50.73	2.8		25	0	266	.09	44	5.1	6.7	PPL
		6	2323	24.64	19	15.81	155	31.64	9.21	2.2		12	0	119	.15	14	1.5	2.1	LSW
		7	1122	12.56	19	14.26	155	5.70	53.93	2.6		22	0	220	.08	15	1.8	4.1	DIS
		8	437	16.62	19	26.87	155	24.53	7.08	1.6		17	1	168	.09	10	1.1	2.2	UKF
		8	453	44.06	19	18.90	155	13.45	8.75	1.7		21	0	74	.09	8	.6	1.3	POL
		8	454	43.58	19	18.93	155	13.35	10.29	3.4		26	0	76	.09	7	.6	.3	POL
		8	523	5.02	19	19.51	155	11.87	9.05	1.7		16	0	91	.04	8	.4	1.1	UER
		8	554	41.40	19	21.27	155	4.07	6.59	2.0		17	0	88	.13	10	1.4	3.4	MER
		8	1018	3.19	19	24.55	155	22.63	7.81			13	0	107	.05	7	.4	.8	UKF
		8	1035	51.65	19	19.72	155	11.40	8.59			15	0	90	.04	6	.4	.9	UER
		8	1139	9.28	19	21.47	155	17.85	31.47	2.2		24	0	88	.10	4	1.1	2.0	DEP
		9	0	6 33.86	19	27.31	155	17.17	25.02	2.8		29	0	59	.12	4	1.0	1.6	DEP
		9	614	29.87	19	29.17	155	42.95	9.92	2.4		16	0	71	.11	26	1.1	.5	MOK
		9	11	1 50.60	19	31.50	155	5.18	5.29	2.4		7	0	217	.19	24	36.7	99.0	HIL
		9	1212	5.02	19	20.61	155	7.19	6.90	1.9		18	0	93	.14	8	1.0	3.1	UER
		9	1335	55.24	19	24.95	155	25.32	12.65	1.8		11	0	160	.05	9	1.2	5.4	UKF
		9	1438	42.14	19	12.96	155	37.10	9.36	2.9		23	0	110	.15	26	.9	.9	HEA
		9	1447	32.83	19	33.31	155	1.26	41.25			12	1	294	.06	28	2.4	1.5	HIL
		9	1747	6.35	19	27.44	155	52.90	10.50	3.2		21	0	135	.13	26	1.3	.4	KON
		9	21	1 37.62	19	25.11	155	16.91	12.63	1.8		14	0	124	.05	2	.8	2.8	LPC
		10	233	33.11	19	24.93	155	16.82	9.00	1.4		10	0	114	.04	2	.9	2.1	LPC
		10	528	26.19	19	20.86	155	7.39	7.22	1.9		23	0	86	.14	8	.9	2.2	UER
		10	741	5.46	19	29.65	155	21.11	11.59	1.8		20	0	174	.08	10	.9	.4	NER
		10	950	1.64	19	26.11	155	30.44	9.19	2.0		20	0	92	.11	14	.8	1.2	MOK
		10	1545	34.88	19	37.52	156	4.53	35.05	2.7		22	2	240	.17	52	2.8	1.5	KON
		10	2216	16.79	19	20.62	155	12.32	8.77	1.1		17	0	78	.04	7	.4	1.2	UER
		11	443	18.17	19	24.20	155	16.70	8.94	1.3		11	0	79	.06	2	1.0	2.3	LPC
		11	1420	9.21	19	18.37	155	14.28	7.12	1.7		14	0	114	.08	8	.7	1.1	POL
		11	1441	23.14	19	20.22	155	11.47	9.37	1.7		23	0	80	.09	7	.6	.8	UER
		11	1528	36.22	18	54.78	155	32.40	36.60			14	0	281	.08	49	7.7	4.1	DIS
		11	1940	58.90	19	21.37	155	17.31	32.98			20	0	44	.07	4	1.2	2.0	DEP
		11	2123	16.01	19	29.77	155	28.54	7.03			12	0	276	.08	14	14.9	15.2	NER
		11	2151	7.43	19	18.67	155	15.04	7.05			17	0	95	.08	6	.6	1.6	KOA
		11	2321	33.12	19	21.92	155	9.12	2.47	1.7		18	0	79	.07	10	.4	1.0	UER
		11	2348	24.04	19	22.43	155	23.10	5.61	1.5		13	0	88	.06	8	.4	1.0	UKF
		12	027	49.76	19	20.20	155	7.59	6.45			15	0	93	.13	8	1.0	3.0	UER
		12	059	34.41	19	22.07	155	8.89	3.22	1.7		14	0	93	.06	11	.4	1.1	UER
		12	1	2 49.65	19	22.18	155	9.01	1.99	1.7		13	0	83	.05	10	.4	.0	UER
		12	221	56.29	19	20.40	155	10.98	6.45			18	0	78	.13	8	.9	2.3	UER
		12	6	4 34.07	19	20.33	155	7.36	8.74	4.7		29	0	95	.10	8	.7	.7	UER
		12	612	28.01	19	20.08	155	7.41	8.84			17	0	98	.08	8	.7	1.8	UER
		12	618	20.48	19	19.98	155	7.53	6.72			15	0	97	.13	8	1.1	3.1	UER
		12	625	8.13	19	20.22	155	8.18	6.60	1.8		13	0	82	.14	9	1.2	3.1	UER
		12	725	50.00	19	19.81	155	7.83	6.78			14	0	94	.14	9	1.2	3.2	UER
		12	753	22.77	19	20.85	155	7.10	6.62	1.9		18	0	89	.13	8	1.0	3.1	UER
		12	757	17.62	19	23.65	155	25.83	6.74			15	0	134	.06	11	.5	1.0	UKF
		12	846	52.68	19	19.58	155	7.12	7.54			13	0	114	.09	7	.9	2.3	UER
		12	1044	38.86	19	21.03	155	7.15	6.77	1.9		20	0	86	.13	8	.9	2.8	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	12	1126	30.68	19	35.94	155	5.68	9.62	2.4		14	0	141	.13	26	1.3	1.1	HIL
		12	1432	35.98	19	12.76	155	14.46	43.93			26	0	183	.07	14	1.1	2.5	POL
		12	17 1	31.46	19	20.58	155	7.47	8.14	1.9		16	0	89	.08	8	.7	1.9	UER
		12	1944	35.35	19	31.15	155	2.50	12.53	2.1		23	0	142	.06	21	.9	.4	HIL
		12	20 2	13.16	19	20.23	155	8.57	9.24			14	0	144	.05	10	.5	1.4	UER
		12	22 7	5.86	19	25.81	155	35.98	3.54	2.8		21	0	93	.13	23	.9	1.7	MOK
		12	2321	25.14	19	19.94	155	8.63	8.83			14	0	92	.05	10	.5	1.1	UER
		13	048	29.28	19	29.56	155	44.37	9.50	3.0		29	0	69	.13	24	.8	.4	MOK
		13	232	10.56	19	29.77	155	44.50	9.16	2.4		17	0	183	.16	29	2.1	1.3	MOK
		13	328	2.67	19	23.37	155	23.68	12.87			13	0	106	.05	7	.5	3.4	UKF
		13	358	8.71	19	17.37	155	8.84	36.67			16	1	245	.07	16	2.2	1.9	POL
		13	519	49.44	19	19.95	155	6.63	8.29	2.6		26	1	115	.10	7	.6	1.0	UER
		13	629	16.14	19	31.51	155	46.95	9.26	2.5		11	0	304	.17	38	20.6	4.4	KON
		13	649	12.74	19	20.40	155	11.49	8.88	1.7		24	0	77	.12	7	.8	1.6	UER
		13	852	31.54	19	19.64	155	8.98	8.26	1.8		12	0	105	.06	11	.9	1.9	UER
		13	9 5	59.47	19	19.75	155	8.90	10.12			13	0	79	.04	9	.5	1.9	UER
		13	1453	19.88	19	22.20	155	28.95	9.52	3.0		30	0	46	.14	11	.8	.3	UKF
		13	1617	59.06	19	20.79	155	6.10	8.22	1.8		13	0	101	.10	7	1.2	3.3	UER
		14	158	54.39	19	20.15	155	8.62	9.51			13	0	71	.04	10	.5	1.9	UER
		14	1123	.35	19	20.04	155	8.59	6.64	1.8		17	0	76	.13	10	1.0	2.2	UER
		14	1744	8.24	19	24.19	155	16.24	1.87	1.1		17	0	67	.07	2	.3	.2	SPC
		14	1745	58.14	19	19.46	155	24.61	9.09	2.1		17	0	105	.07	11	.5	.9	SWR
		15	6 0	43.82	19	20.27	155	12.37	7.86	1.6		25	0	73	.12	6	.7	1.2	UER
		15	9 2	44.00	19	26.67	155	24.42	7.42			12	0	163	.08	10	1.0	2.9	UKF
		15	2050	28.46	19	53.50	155	13.37	25.19	2.9		27	1	227	.10	29	1.1	2.7	KKU
		15	22 6	46.54	19	48.34	155	36.05	32.68	4.2		35	1	99	.13	29	1.0	2.7	KKU
		16	050	17.46	19	22.37	155	29.15	9.41	2.2		25	0	92	.11	12	.7	.9	UKF
		16	126	56.34	19	14.32	155	20.08	41.18			25	0	155	.07	12	1.1	2.4	HLP
		16	236	16.00	19	20.01	155	7.26	6.29	1.9		19	0	102	.09	8	.6	1.4	UER
		16	432	11.75	19	20.19	155	10.39	8.76			15	0	109	.04	7	.3	.9	UER
		16	457	45.63	19	19.52	155	11.52	11.23			16	0	94	.05	6	.5	1.9	UER
		16	1055	9.41	19	20.12	155	8.31	8.26			12	0	80	.06	9	.6	1.5	UER
		16	14 0	58.92	19	22.61	155	5.49	3.09	1.9		14	0	126	.09	11	.7	3.5	MER
		16	1841	24.18	19	19.26	155	16.83	28.17	2.0		18	0	102	.09	6	1.5	2.6	DEP
		16	21 5	48.29	19	25.95	155	24.39	8.77			20	0	65	.09	9	.6	1.5	UKF
		16	2238	39.26	19	15.82	155	1.05	8.87			13	0	248	.17	19	5.5	2.5	DIS
		17	053	30.16	19	19.73	155	47.30	8.10			15	0	177	.11	27	1.5	1.0	KON
		17	611	31.03	19	17.61	155	14.35	7.40			15	0	150	.10	8	.8	1.5	POL
		17	1044	17.21	19	19.31	155	12.21	9.52	1.7		17	0	92	.13	8	1.2	5.2	UER
		17	1724	13.92	19	17.81	155	14.32	6.37	1.7		15	0	138	.10	8	.9	2.2	POL
		17	1818	49.39	19	23.41	155	27.30	8.89	3.0		29	0	55	.15	13	.9	1.2	UKF
		17	1846	24.00	19	16.21	155	1.54	9.88	2.2		19	0	224	.16	18	3.4	.8	MER
		17	1920	47.60	19	18.91	155	15.66	8.12			17	0	119	.05	5	.5	1.1	KOA
		17	2034	28.15	19	18.86	154	59.50	39.66	2.5		24	1	213	.10	21	1.6	2.0	DIS
		18	044	3.88	19	22.09	155	11.51	2.85	1.8		18	0	92	.09	8	.6	2.1	UER
		18	8 0	12.55	19	19.12	155	13.90	8.49	1.7		21	0	65	.10	6	.7	1.6	UER
		18	922	39.89	19	19.80	155	9.72	7.97			21	0	86	.08	7	.6	1.3	UER
		18	1636	14.42	19	8.73	155	6.44	54.61			26	0	221	.08	22	1.3	3.5	PPL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	18	2220	49.42	19	19.63	155	6.62	8.64			14	0	195	.09	13	1.4	2.6	UER
		18	2339	59.53	19	27.13	155	35.61	5.97			9	0	229	.07	22	1.9	1.4	MOK
		18	2341	22.51	19	26.55	155	35.97	1.31			8	0	243	.05	23	2.3	99.0	MOK
		19	811	53.34	19	19.29	155	8.52	8.89			14	0	107	.05	9	.8	1.5	UER
		19	1040	7.97	19	22.48	155	9.26	2.64	2.5		23	0	81	.12	10	.7	1.5	UER
		19	1240	31.97	19	24.72	155	7.64	10.97			16	0	103	.12	12	.7	.7	GLN
		19	13 8	17.66	19	49.82	155	.29	5.86	3.2		16	1	295	.12	52	2.3	1.3	BLS
		19	1649	28.50	19	19.97	155	9.17	9.30	1.8		24	0	78	.10	7	.8	1.2	UER
		20	1027	50.51	19	10.20	155	42.25	8.58	2.8		19	0	159	.17	30	1.3	1.2	HEA
		20	2031	28.33	19	3.74	155	23.42	34.09			20	0	217	.08	30	1.8	3.6	LSW
		21	5 8	7.56	18	55.11	155	32.88	43.31	2.8		18	0	260	.07	41	5.8	5.3	DIS
		21	1017	4.00	19	20.19	155	8.55	6.52	1.8		22	0	75	.13	10	.8	1.7	UER
		21	1022	6.56	19	28.19	155	50.12	7.58	2.9		22	0	126	.15	25	1.1	.9	KON
		21	1044	40.00	19	35.15	155	17.22	40.15			16	0	244	.06	18	2.1	3.2	NER
		21	1228	9.48	19	20.05	155	8.25	9.32	3.6		29	0	82	.09	9	.6	.6	UER
		21	18 7	2.73	19	20.80	155	17.12	33.00			18	0	69	.07	6	1.3	2.4	DEP
		21	1910	16.88	19	19.95	155	10.96	6.99	1.7		21	0	105	.13	7	.9	1.7	UER
		21	2337	4.11	19	24.49	155	28.59	9.00	1.9		22	0	84	.15	13	.9	1.9	UKF
		22	130	59.88	19	19.46	155	15.36	6.93			14	0	101	.05	6	.5	1.1	KOA
		22	131	39.84	19	32.94	155	50.09	11.95			14	0	225	.09	32	2.6	.5	KON
		22	1749	7.05	19	25.82	155	49.66	6.42			13	0	201	.11	39	4.3	1.4	KON
		22	2128	55.09	19	20.77	155	7.23	6.38	1.9		25	0	89	.14	8	.8	1.8	UER
		23	119	46.97	19	20.65	155	24.33	11.47			14	0	91	.06	10	.6	2.7	SWR
		23	354	14.66	19	26.00	155	16.31	21.01	1.9		27	0	68	.11	5	.8	1.3	DEP
		23	511	28.54	19	23.21	155	24.96	6.83	2.2		23	0	54	.11	9	.6	1.8	UKF
		23	920	37.07	19	20.26	155	12.81	7.42			19	0	69	.08	6	.6	1.3	UER
		23	1014	2.93	19	27.84	155	31.43	9.44			10	0	290	.13	19	3.1	1.0	MOK
		23	1543	35.47	19	53.24	155	19.83	31.39			20	0	183	.10	44	1.6	3.3	KKU
		23	2153	4.97	18	57.29	155	32.57	36.90			25	0	240	.10	53	3.2	4.5	DIS
		24	051	13.01	19	25.03	155	26.06	10.84	1.8		17	0	84	.07	10	.5	.7	UKF
		24	437	54.03	19	18.38	155	26.66	11.90			9	0	298	.04	16	3.8	4.7	HEA
		24	1751	23.87	19	21.48	155	28.49	12.58			17	0	86	.09	10	.8	.3	HEA
		25	124	13.85	19	24.86	155	17.07	12.35			14	0	106	.05	2	.8	2.4	LPC
		25	228	28.35	19	20.32	155	5.84	3.63			13	0	115	.11	8	.9	1.9	MER
		25	436	29.02	19	24.77	155	17.16	11.62	1.8		19	0	84	.08	2	.7	.3	LPC
		26	9 5	30.53	19	41.95	155	59.04	11.00			15	0	289	.06	47	4.8	.3	KON
		26	1720	22.35	19	32.13	155	36.83	9.24	2.3		19	0	148	.13	24	1.2	1.9	MOK
		26	1851	23.12	19	25.91	155	30.27	10.85	1.7		11	0	209	.08	16	1.8	5.0	MOK
		26	1953	42.42	19	19.81	155	11.32	11.07			16	0	91	.04	8	.3	1.5	UER
		26	2142	9.74	18	54.05	155	31.95	37.14	2.3		18	0	282	.09	42	8.2	3.7	DIS
		26	2220	.41	19	19.71	155	24.67	8.65	2.1		25	0	90	.11	7	.6	.8	SWR
		26	2223	11.25	19	52.70	155	21.42	32.69	2.6		27	0	178	.10	42	1.3	5.0	KKU
		27	341	59.66	19	20.38	155	12.93	10.01			14	0	77	.05	6	.5	2.7	UER
		27	714	56.31	19	9.01	155	39.59	7.83	2.5		14	0	195	.17	21	2.7	2.4	HEA
		27	1638	12.87	19	26.20	155	23.74	7.06	1.8		16	1	142	.06	8	.5	1.6	UKF
		27	2119	2.63	19	20.50	155	9.38	10.82	1.8		11	0	171	.04	10	1.4	4.1	UER
		27	2223	56.24	19	25.41	155	26.44	9.57			16	0	193	.06	11	1.2	4.9	UKF
		28	1 7	6.96	18	55.36	155	12.13	48.40			25	0	258	.09	41	2.9	6.3	PPL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	28	841	45.68	19	17.76	155	13.55	7.33	1.7		15	0	144	.08	10	.7	2.3	POL
		28	1844	15.39	19	26.74	155	29.30	9.55	2.2		26	1	68	.12	13	.8	.5	UKF
		28	1854	51.24	19	19.95	155	10.97	9.67			11	0	87	.04	7	.4	1.7	UER
		28	1857	47.25	19	12.71	155	5.39	52.91	2.6		27	0	212	.09	16	1.7	3.5	DIS
		28	2342	44.48	19	18.86	155	13.92	6.18			11	0	92	.06	7	.6	1.9	POL
		29	055	1.10	19	34.78	155	55.97	7.99	2.7		21	0	203	.20	36	2.8	1.0	KON
		29	1 7	.59	19	27.27	155	29.09	9.37	1.9		16	0	123	.07	13	.7	1.4	UKF
		29	136	44.80	19	17.60	155	13.01	7.09			17	0	124	.11	9	.9	2.0	POL
		29	218	25.23	19	23.28	155	17.82	11.40			10	0	130	.05	3	1.1	3.5	LPC
		29	234	8.62	19	19.02	155	12.49	7.01			15	0	94	.06	7	.5	.9	UER
		29	3 2	26.04	19	17.60	155	13.00	6.09			16	0	125	.10	9	.7	1.8	POL
		29	322	1.17	19	57.64	155	27.33	32.17			15	1	287	.10	52	2.9	1.1	KKU
		29	6 2	50.80	19	20.82	155	11.60	9.91	1.7		19	0	70	.06	8	.4	.3	UER
		29	6 3	44.14	19	21.08	155	11.28	7.58	1.7		17	0	67	.09	8	.6	1.1	UER
		29	710	40.87	19	14.06	155	31.78	8.00	2.2		25	1	125	.15	24	1.1	1.9	LSW
		29	1716	18.57	20	6.73	155	44.74	21.07	2.3		11	1	184	.04	78	1.2	1.9	KOH
		29	1744	19.85	19	24.42	155	16.76	11.63			15	0	69	.08	2	1.1	2.0	LPC
		30	229	25.91	18	58.90	155	33.13	35.24	2.7		28	1	216	.11	34	2.0	3.0	DIS
		30	2054	35.86	19	15.52	155	.54	9.88	2.6		19	0	231	.17	21	4.5	.7	DIS
		31	4 5	34.29	19	24.37	155	25.34	8.02	3.3		31	0	50	.13	10	.6	1.0	UKF
		31	1059	11.98	19	27.70	155	27.28	9.50			13	0	176	.09	12	1.2	4.7	UKF
		31	17 3	59.71	19	21.54	155	17.07	25.70			16	0	55	.03	3	.5	1.3	DEP
		31	2116	49.05	19	15.11	156	10.09	60.91	3.3		25	0	276	.10	58	6.1	7.5	DIS
	FEB	1	2 3	15.04	19	20.22	155	12.45	7.52			22	0	73	.10	6	.7	1.2	UER
		1	229	25.13	19	25.43	155	3.71	1.68	2.0		11	0	166	.15	12	1.5	57.4	GLN
		1	329	11.02	19	19.76	155	10.69	9.31			17	0	91	.07	7	.6	1.4	UER
		1	417	54.20	19	20.56	155	13.39	9.52			15	0	61	.05	7	.5	2.3	UER
		1	725	6.78	19	14.19	155	28.76	1.17	2.1		15	0	194	.13	15	1.5	.0	LSW
		1	1056	35.82	19	13.19	155	32.51	6.56			20	0	76	.16	12	1.2	2.8	LSW
		1	2330	4.25	19	19.34	155	14.45	8.52			11	0	233	.04	9	1.2	1.4	UER
		2	434	32.61	20	7.23	156	35.47	46.31			7	0	347	.08	153	94.2	54.6	DIS
		2	1431	43.28	19	13.27	155	32.48	46.23			15	0	84	.09	12	2.0	6.7	LSW
		3	511	58.81	19	22.66	155	23.24	7.63			13	0	86	.04	8	.4	1.2	UKF
		3	1313	11.39	19	20.76	155	10.56	10.03			17	0	72	.06	8	.5	1.7	UER
		3	1556	16.39	19	21.56	155	25.56	7.74	1.5		16	1	104	.10	10	.8	1.3	HEA
		3	1830	15.89	19	24.96	155	17.42	6.11	1.3		13	1	94	.15	2	1.7	1.4	LPC
		3	2211	27.68	19	18.25	155	15.18	8.54	1.7		23	0	107	.11	6	.7	.9	KOA
		4	029	37.65	19	20.12	155	12.49	9.53	1.7		23	0	74	.11	6	.8	.5	UER
		4	2 3	49.84	19	26.29	155	24.39	9.18	1.9		23	0	67	.11	9	.6	1.1	UKF
		4	854	1.02	19	27.54	155	26.27	12.77			10	0	217	.04	10	.9	.2	UKF
		4	1148	10.30	19	20.30	155	19.31	4.77			9	0	104	.02	6	.5	1.1	SWR
		4	13 9	.15	19	24.91	155	26.83	14.77			11	0	197	.03	11	1.4	2.1	UKF
		4	1816	54.59	19	33.53	155	54.97	9.05	4.2		28	0	191	.15	33	1.5	.6	KON
		4	1918	15.23	19	32.50	155	55.22	10.00	3.1		18	0	195	.11	34	1.6	.4	KON
		4	2012	34.73	19	19.80	155	13.85	31.43	2.5		28	0	59	.11	6	1.2	1.8	DEP
		4	2116	35.45	19	23.94	155	14.00	12.58			13	0	1381	.55	5	4.7	1.6	GLN
		4	22 1	34.46	19	15.75	155	11.86	4.34			15	0	181	.12	12	1.3	1.9	POL
		4	2311	59.08	19	25.49	155	25.39	7.58	2.4		21	0	70	.14	10	.9	2.9	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	FEB	4	2358	41.28	19	19.95	155	9.27	7.05			13	0	79	.10	8	.9	2.2	UER
		5	020	48.50	19	19.82	155	11.48	6.77			16	0	88	.11	6	.8	2.1	UER
		5	024	52.22	19	20.12	155	11.56	6.87	1.7		19	0	81	.12	7	.9	1.6	UER
		5	559	52.10	19	24.91	155	16.41	11.73	1.6		11	0	106	.06	2	1.6	4.2	LPC
		5	6 1	27.98	19	9.49	155	40.91	8.12	3.1		21	0	126	.18	23	1.3	1.0	HEA
		5	618	27.94	19	17.78	155	13.06	7.60			16	0	112	.09	9	.7	1.0	POL
		5	629	12.80	19	26.51	155	51.20	7.49	2.7		13	0	132	.16	27	1.6	1.8	KON
		5	16 7	9.92	19	28.12	155	23.89	6.58	2.0		15	0	81	.10	11	.8	1.9	UKF
		5	1739	24.77	19	18.24	155	13.39	9.14	2.7		26	0	84	.11	8	.7	.8	POL
		5	1744	11.08	19	19.83	155	16.86	32.17			16	0	91	.09	5	1.6	6.1	DEP
		5	23 8	53.94	20	7.23	155	44.64	17.09			11	1	219	.02	78	1.4	.7	KOH
		6	4 9	30.99	19	17.17	155	1.89	44.05			23	0	209	.08	17	2.1	3.5	MER
		6	439	24.45	19	35.83	156	13.92	24.95	3.4		13	0	265	.13	53	6.1	7.0	OIS
		6	520	54.47	19	15.06	155	26.68	33.20			17	0	109	.10	14	1.3	3.5	LSW
		6	747	42.23	19	24.98	155	16.70	11.23	1.4		12	0	150	.05	2	.9	2.5	LPC
		6	818	40.61	19	18.14	155	13.32	6.79			13	0	96	.08	8	.8	2.0	POL
		6	932	24.60	19	23.32	155	28.04	10.90			11	0	241	.11	15	6.1	12.5	UKF
		6	1216	59.39	19	15.40	155	12.37	3.05	1.9		14	0	183	.11	12	1.2	3.4	POL
		6	13 7	41.98	19	24.25	155	25.72	7.99	1.7		16	0	75	.09	11	.7	2.0	UKF
		6	1350	23.48	19	25.03	155	17.57	9.27	1.3		13	0	73	.07	3	.7	1.2	LPC
		6	1658	47.00	19	17.74	155	12.86	4.07			10	0	124	.08	9	.8	1.9	POL
		6	1730	55.09	19	17.29	155	12.88	6.16			15	0	155	.07	9	.7	1.3	POL
		6	1732	2.41	19	25.09	155	17.17	8.86	1.6		12	0	119	.04	2	.7	1.1	LPC
		6	1831	50.10	19	26.75	155	29.23	9.33	1.9		12	0	131	.07	13	.9	2.6	UKF
		6	1958	38.67	19	29.12	155	23.61	6.97	1.8		14	0	138	.07	12	.8	1.1	NER
		6	20 5	15.98	19	24.19	155	24.56	7.83	1.6		17	0	58	.10	9	.7	2.3	UKF
		6	2235	8.21	19	19.55	155	8.77	6.37			13	0	80	.13	9	1.2	3.0	UER
		6	2254	33.86	19	24.15	155	16.18	1.76	.7		8	0	98	.03	2	.4	.2	SPC
		7	5 6	48.51	19	24.93	155	16.58	16.70			13	0	122	.03	2	.6	.7	DEP
		7	654	20.40	19	25.10	155	17.08	9.98			10	0	209	.05	2	1.5	3.1	LPC
		7	15 6	7.76	19	19.02	155	9.69	11.55			16	0	109	.05	8	.5	.3	UER
		7	18 1	14.28	19	12.09	155	27.70	3.09	2.1		9	0	109	.09	17	1.0	2.5	LSW
		7	2015	34.38	19	23.34	155	24.71	9.44	2.2		27	1	55	.12	9	.7	1.0	UKF
		8	156	39.34	19	30.79	155	15.88	24.34	3.1		30	0	84	.10	10	.8	1.5	GLN
		8	428	16.08	19	27.07	155	27.79	9.62	2.1		18	0	132	.09	12	.8	4.6	UKF
		8	455	42.07	19	25.45	155	17.65	12.01	1.8		12	0	123	.06	3	1.0	.4	LPC
		8	948	48.21	19	23.38	155	23.39	7.81			15	0	103	.09	8	.7	3.0	UKF
		8	1013	44.23	19	20.53	155	8.34	6.49	1.8		21	0	76	.15	9	1.1	2.2	UER
		8	1612	11.52	19	21.76	155	28.55	8.49	1.9		24	0	61	.20	10	1.1	2.8	HEA
		8	1636	53.93	19	21.76	155	28.53	9.29	2.1		23	0	50	.12	10	.8	1.2	HEA
		8	19 7	57.27	19	21.50	155	28.53	9.27	1.9		14	0	87	.13	16	.9	1.5	HEA
		8	1917	48.91	19	15.74	155	10.57	6.57	1.9		16	0	229	.09	13	1.5	2.8	POL
		8	1949	5.34	19	19.88	155	17.24	33.56	2.2		27	0	86	.09	5	1.0	1.6	DEP
		8	2135	10.45	19	13.74	155	18.05	27.74	2.5		27	0	165	.10	15	1.2	1.7	HLP
		9	246	24.75	19	20.08	155	8.79	9.09			14	0	72	.07	9	.6	1.4	UER
		9	414	33.22	19	10.71	155	22.95	33.65			18	0	179	.09	18	1.4	2.9	LSW
		9	1825	27.17	19	19.09	155	12.98	8.17	2.7		28	0	83	.11	8	.6	1.0	UER
		9	1835	40.08	19	22.14	155	17.76	2.32			11	0	89	.08	4	.5	8.5	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	FEB	9	19 2	6.69	19	21.08	155	18.94	1.90	1.2		11	0	83	.04	5	.3	99.0	KOA
		9	2152	23.80	19	22.21	155	25.00	5.39	1.6		11	0	135	.11	10	1.1	1.7	UKF
		9	2347	19.95	19	19.87	155	24.45	7.72	1.7		17	0	103	.10	8	.7	1.2	SWR
		10	028	43.49	19	23.27	155	26.25	7.98			14	0	117	.08	11	.9	2.5	UKF
		10	029	31.04	19	19.97	155	24.47	7.95	1.7		18	0	101	.11	8	.7	1.4	SWR
		10	358	15.58	19	23.58	155	3.51	1.94			15	0	166	.18	12	1.5	55.2	MER
		10	6 7	47.74	19	19.94	155	24.33	8.64	1.7		18	0	102	.12	8	1.0	1.1	SWR
		10	825	51.76	19	25.32	155	23.96	10.80	1.7		19	0	62	.09	8	.6	.9	UKF
		10	1618	44.46	19	19.04	155	14.02	6.95	1.6		19	0	69	.12	7	.7	1.8	UER
		11	133	18.64	19	19.12	155	15.64	7.63	1.6		23	0	95	.12	6	.7	1.1	KOA
		11	643	11.46	19	16.08	155	10.90	4.59	1.9		19	0	182	.16	11	1.4	1.7	POL
		11	8 4	35.32	20	14.39	155	41.49	3.81	2.9		7	0	318	.02	84	21.5	10.0	KOH
		11	1652	13.96	19	20.91	155	10.78	7.44	1.7		19	0	70	.11	8	.8	1.6	UER
		11	1743	18.02	19	20.46	155	10.67	8.38			13	0	106	.06	7	.5	1.2	UER
		11	1928	13.77	19	14.46	155	14.12	28.08			14	0	270	.04	12	2.2	3.1	POL
		11	20 6	33.88	19	18.61	155	15.67	8.31			13	0	130	.04	5	.4	1.1	KOA
		12	1 1	15.30	19	15.54	155	10.88	1.70	1.9		14	0	232	.14	12	2.5	.0	POL
		12	114	51.24	19	19.93	155	12.71	7.66	1.6		19	0	74	.06	6	.5	.7	UER
		12	525	54.84	19	21.54	155	25.59	9.13	2.5		28	0	68	.14	10	.8	.9	HEA
		12	723	38.91	19	19.97	155	8.66	6.50			15	0	75	.13	9	1.0	2.5	UER
		12	1154	25.69	19	21.30	155	6.38	1.04			12	0	175	.13	8	1.5	.0	UER
		12	22 7	36.04	19	21.25	155	7.34	5.88			14	0	87	.15	8	1.0	2.7	UER
		13	011	56.62	19	19.47	155	8.82	8.42			14	0	82	.05	9	.5	1.1	UER
		13	448	32.91	19	22.57	155	23.24	7.46			10	0	90	.05	8	.5	2.2	UKF
		13	732	19.12	19	17.46	155	14.94	9.66	2.1		25	0	130	.10	7	.7	.6	POL
		13	1043	52.45	19	17.99	155	28.38	7.72	2.3		22	0	83	.17	16	1.0	2.3	HEA
		13	1143	28.60	19	20.60	155	9.94	9.23			14	0	119	.05	7	.5	1.2	UER
		13	1921	57.76	19	20.07	155	10.67	11.29			14	0	104	.05	10	.6	2.7	UER
		13	2152	4.98	19	24.11	155	26.44	10.81	1.8		15	0	160	.05	12	.6	3.0	UKF
		13	2338	47.56	19	20.83	155	5.53	5.25	2.5		23	0	103	.17	14	1.8	2.3	MER
		14	028	57.51	19	15.42	155	33.58	12.85	2.2		13	0	309	.07	29	9.3	99.0	LSW
		14	148	46.46	19	20.15	155	7.97	6.98	1.9		21	0	87	.10	9	.5	1.5	UER
		14	2 6	20.85	19	24.24	155	27.07	11.51	1.8		17	0	103	.07	13	.9	.6	UKF
		14	355	5.73	19	20.46	155	10.96	8.36			14	0	102	.04	8	.3	.8	UER
		14	421	21.86	19	36.01	155	40.12	8.85	2.4		10	0	173	.08	32	2.3	1.2	MOK
		14	1520	3.30	19	19.42	155	11.81	8.11			13	0	94	.06	6	.6	1.8	UER
		14	1548	29.56	19	18.85	155	12.80	7.53	1.7		21	0	91	.09	8	.6	1.4	POL
		15	021	38.24	19	18.57	155	15.53	6.94			17	0	130	.08	6	.6	.9	KOA
		15	144	35.60	19	19.68	155	9.66	6.52	1.8		18	0	89	.12	8	.8	1.8	UER
		15	1329	32.91	19	36.30	155	5.40	9.63	2.4		11	0	142	.19	27	2.7	1.5	HIL
		16	243	49.69	19	23.49	155	27.57	11.32			13	0	187	.06	14	2.0	1.4	UKF
		16	248	33.91	19	26.97	155	24.09	9.35	2.0		16	0	108	.09	12	.9	2.0	UKF
		16	735	17.66	19	26.22	155	28.17	8.72			13	0	150	.10	14	1.0	1.5	UKF
		16	1349	15.97	19	17.43	155	18.58	30.82	3.2		32	1	133	.15	9	1.4	1.8	KOA
		16	1740	57.57	19	19.88	155	12.70	6.91			14	0	77	.08	7	.8	2.0	UER
		16	1743	57.18	19	16.84	155	18.19	34.11	2.9		28	0	144	.10	8	1.3	1.9	HLP
		16	1910	11.82	19	24.24	155	16.31	23.31			17	0	52	.08	2	1.2	1.9	DEP
		16	1943	34.72	19	24.94	155	26.08	5.93	1.7		17	0	84	.11	10	1.1	4.2	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	FEB	16	2230	9.73	19	17.58	155	17.94	30.76			16	0	164	.04	8	1.0	3.2	KOA
		17	3 0	50.74	19	28.81	155	29.36	12.26			10	0	166	.15	15	4.3	.9	UKF
		17	1237	34.39	19	23.15	155	22.80	6.55			12	0	94	.10	9	.8	1.7	UKF
		17	1342	8.93	19	23.23	155	25.09	6.91	2.4		19	0	74	.08	9	.5	1.4	UKF
		17	14 4	55.54	18	49.22	155	57.42	59.80			25	0	304	.13	64	17.2	10.3	DIS
		17	1440	43.55	19	22.02	155	6.32	6.00	2.1		18	0	107	.13	9	.8	2.9	UER
		17	1728	58.10	19	19.66	155	10.79	9.67			13	0	98	.03	7	.4	1.6	UER
		17	1735	20.46	19	59.33	155	30.72	21.46			13	0	200	.08	61	2.2	15.7	KOH
		17	2116	34.05	19	59.91	156	4.84	33.15			9	0	261	.11	59	6.4	10.5	DIS
		18	217	26.29	19	19.89	155	10.14	11.70			14	0	132	.05	7	.6	.6	UER
		18	227	13.28	19	19.53	155	11.55	7.10			15	0	94	.10	6	.8	2.2	UER
		19	336	6.37	19	26.81	155	29.58	.55	1.9		11	0	154	.10	16	1.3	84.2	UKF
		19	514	54.23	19	25.01	155	16.39	12.70			17	0	92	.12	2	1.1	.4	LPC
		19	736	14.14	19	22.84	155	16.29	30.34	2.1		25	0	66	.06	2	.6	1.2	DEP
		19	1529	18.43	19	20.65	155	8.83	9.06	2.4		23	0	71	.10	8	.6	1.3	UER
		19	1834	40.02	18	56.33	155	27.15	30.79			19	0	276	.10	38	8.2	3.7	DIS
		19	1937	44.81	19	24.60	155	24.54	9.40	1.7		17	0	60	.06	9	.4	.8	UKF
		20	224	9.58	19	27.94	155	34.98	44.23	2.5		13	0	179	.06	25	2.4	4.8	MOK
		20	225	4.77	19	27.41	155	34.32	49.49	2.9		14	0	84	.07	23	1.5	4.5	MOK
		20	225	9.69	19	20.02	155	7.47	8.57			14	0	98	.08	8	.7	1.9	UER
		20	539	11.93	19	20.85	155	6.64	6.73	1.9		23	0	95	.11	7	.6	1.2	UER
		20	647	54.03	19	3.95	156	20.67	66.59			20	0	306	.14	72	16.2	14.1	DIS
		20	8 6	12.90	19	22.37	155	16.26	31.92			12	0	101	.04	5	.8	1.7	DEP
		20	1339	29.00	19	20.55	155	13.70	11.94			15	0	65	.06	7	.7	2.1	UER
		20	1655	5.65	19	26.47	155	32.07	32.78	2.3		10	0	121	.16	17	4.8	10.0	MOK
		20	1812	45.45	19	56.40	155	3.83	36.37	2.9		27	0	235	.13	45	3.6	5.4	KKU
		21	4 6	5.47	19	19.94	155	11.61	8.45	1.7		24	0	84	.12	6	.8	1.2	UER
		21	920	24.40	19	20.43	155	9.81	9.44			13	0	75	.06	7	.6	1.5	UER
		21	1140	15.32	19	22.07	155	25.08	9.27	1.7		20	0	54	.10	10	.6	.9	UKF
		21	1522	55.18	19	18.75	155	13.11	6.33			18	0	85	.16	8	1.1	2.5	POL
		22	116	34.42	19	20.19	155	10.51	8.74	1.8		19	0	82	.08	7	.6	.6	UER
		22	128	42.69	19	19.71	155	10.99	7.14			14	0	104	.07	7	.7	1.1	UER
		22	2126	30.94	19	22.28	155	4.13	6.58	2.3		25	0	97	.12	11	.7	1.3	MER
		22	2216	34.22	19	20.18	155	10.59	8.72			16	0	82	.06	7	.5	1.2	UER
		23	1013	.10	19	18.96	155	12.32	8.31			14	0	98	.08	7	.8	2.1	POL
		23	1254	12.22	18	58.56	155	28.90	33.90	3.4		32	1	223	.11	33	1.7	2.7	DIS
		23	1749	45.29	19	24.12	155	16.26	2.00			7	0	96	.06	2	.5	1.3	SPC
		23	1818	2.39	19	24.01	155	15.86	1.57	1.4		16	0	63	.09	3	.4	.2	SPC
		23	2115	45.67	19	24.65	155	16.50	.68	.7		10	0	94	.10	2	.5	.3	SPC
		23	2148	30.86	19	23.87	155	15.45	2.00			8	0	144	.07	3	.8	.0	SPC
		23	2253	32.54	19	24.08	155	15.96	2.00			7	0	109	.06	2	.7	.0	SPC
		24	4 1	55.84	19	6.82	155	27.75	28.16	2.4		22	0	183	.08	22	1.3	2.3	LSW
		24	430	13.27	19	24.33	155	56.28	29.56	2.3		17	2	280	.14	37	2.3	2.1	KON
		24	742	18.96	19	24.95	155	16.80	1.58	.3		8	0	123	.14	2	.4	.2	SPC
		24	747	45.54	19	25.83	155	16.38	6.78			6	0	228	.19	2	9.1	21.5	LPC
		24	816	38.73	19	19.53	155	13.49	7.25	1.6		15	0	73	.06	7	.5	1.4	UER
		24	911	6.11	19	20.55	155	11.34	9.29	2.4		27	0	75	.12	8	.6	.7	UER
		24	912	46.55	19	20.28	155	11.00	8.55	1.7		19	0	80	.10	7	.7	1.5	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	FEB	24	935	8.51	19	20.29	155	11.43	8.84	1.7		19	0	79	.08	7	.6	1.2	UER
		24	942	56.01	19	20.54	155	11.46	7.50	2.1		25	0	75	.16	7	.9	1.7	UER
		24	1015	26.93	19	24.04	155	15.55	.89	.8		9	0	70	.10	3	.5	1.0	SPC
		24	1247	21.98	19	20.24	155	12.90	10.30			12	0	68	.07	6	.8	4.0	UER
		24	15 9	7.46	19	22.91	155	25.69	9.19	2.4		27	0	53	.11	11	.6	.8	UKF
		24	1523	43.99	19	22.06	155	25.55	8.92	1.7		17	0	60	.08	11	.6	1.5	UKF
		24	18 2	59.16	19	21.19	155	29.21	10.25	2.0		17	0	76	.10	11	.8	.7	HFA
		24	1814	34.85	19	25.24	155	16.47	.71	.3		7	0	153	.06	2	.5	.3	SPC
		24	1929	22.97	19	20.76	155	11.60	8.59	1.7		21	0	71	.12	8	.8	1.6	UER
		24	2118	31.70	19	24.16	155	15.67	1.93	2.2		21	0	53	.12	3	.5	.5	SPC
		24	2141	34.82	19	23.93	155	23.63	9.89	1.6		16	0	102	.06	7	.5	.6	UKF
		24	2143	56.21	19	19.86	155	12.63	7.87	1.7		20	0	76	.13	6	1.0	1.4	UER
		25	3 1	44.91	19	1.28	155	27.07	38.96			18	0	220	.09	31	2.3	5.6	LSW
		25	5 6	19.96	19	25.30	155	16.47	.78	.3		10	0	131	.08	2	.5	2.0	SPC
		26	137	33.11	19	25.03	155	17.13	11.44	1.4		13	0	118	.09	2	1.3	3.3	LPC
		26	334	30.44	19	23.77	155	15.40	2.00			8	0	151	.10	3	1.2	.0	SPC
		26	4 2	46.73	19	24.80	155	29.25	9.57	2.9		27	0	34	.12	14	.6	.3	UKF
		26	1431	53.91	18	57.68	155	28.51	34.75	2.9		28	1	229	.12	35	2.2	3.3	DIS
		26	1958	35.89	20	4.51	155	15.66	7.58	2.5		15	0	233	.09	48	1.8	.9	KKU
		26	2052	43.64	19	19.97	155	7.61	6.78			15	0	96	.13	8	1.1	3.1	UER
		27	042	2.13	19	20.03	155	11.97	7.07	2.4		28	0	80	.15	6	.8	1.3	UER
		27	142	50.32	19	19.39	155	11.38	10.28			16	0	98	.06	7	.6	3.0	UER
		27	417	45.66	19	24.98	155	23.56	9.57	1.9		22	0	60	.13	8	.7	.8	UKF
		27	9 3	56.58	19	24.24	155	16.18	1.66			10	0	96	.04	2	.3	.1	SPC
		27	1311	24.73	19	21.45	155	8.02	7.37			19	0	83	.07	9	.5	.6	UER
		27	14 5	23.60	19	20.08	155	19.82	2.93			9	0	120	.07	6	.9	9.1	SWR
		27	14 7	42.65	19	20.48	155	19.52	1.43			18	0	66	.10	6	.5	.0	SWR
		27	1444	56.88	19	12.04	155	17.62	44.37			21	1	178	.14	18	2.1	2.0	HLP
		27	2138	56.76	19	19.84	155	12.48	11.18			19	0	78	.07	6	.6	2.0	UER
		28	356	26.05	19	21.68	155	16.41	29.17			21	0	91	.08	3	1.0	1.9	DEP
		28	628	28.95	19	24.72	155	23.64	5.61			22	0	59	.15	8	.7	3.2	UKF
		28	652	4.42	19	23.64	155	15.11	1.86			7	0	93	.06	3	1.0	.9	SPC
		28	946	49.16	19	24.01	155	15.91	1.40	1.2		12	0	71	.10	5	.5	.3	SPC
		28	1741	22.23	19	11.57	155	29.88	4.30	2.2		18	0	80	.15	14	1.2	1.7	LSW
		28	2044	31.52	19	20.12	155	8.71	10.21			13	0	73	.05	9	.6	2.5	UER
		28	2238	49.21	19	23.98	155	15.66	1.76	.8		8	0	127	.04	3	.4	.3	SPC
	MAR	1	332	33.62	19	19.55	155	8.98	8.46	1.8		16	0	83	.08	9	.7	1.8	UER
		1	1625	11.52	19	23.93	155	23.59	9.30	2.2		14	0	60	.05	8	.4	1.4	UKF
		1	1631	16.69	19	24.02	155	23.36	8.99			11	0	181	.03	8	.5	1.6	UKF
		1	1949	34.61	19	24.08	155	16.01	1.71			11	0	118	.08	2	1.0	.3	SPC
		1	2130	14.03	19	22.13	155	1.91	5.41			23	0	203	.16	14	2.2	1.7	MER
		2	045	16.96	19	27.41	155	30.75	12.57			13	0	282	.04	18	2.3	.2	MOK
		2	230	55.19	19	23.93	155	23.79	10.52			13	0	150	.04	7	.5	1.6	UKF
		2	810	34.99	19	27.48	154	49.76	9.27			17	0	283	.13	54	5.6	.9	LER
		2	959	27.30	19	20.21	155	12.09	9.94	3.0		25	0	76	.10	6	.7	.4	UER
		2	1510	55.30	19	25.20	155	23.76	11.43			17	0	76	.03	8	.3	.5	UKF
		2	2047	45.18	19	23.11	155	2.84	6.21			21	0	217	.15	14	1.8	1.7	MER
		2	2240	36.86	20	.94	156	2.98	11.15			8	0	259	.08	60	18.0	4.5	DIS

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	2	2251	25.93	19	19.74	155	10.12	7.09			15	0	120	.13	7	1.1	2.2	UER
		2	2332	16.57	19	24.97	155	17.39	9.14			12	0	92	.04	2	.5	.8	LPC
		2	2342	24.18	19	23.86	155	15.38	1.56			11	0	105	.05	3	.3	.2	SPC
		3	937	14.32	19	12.85	155	37.47	8.82			18	0	110	.21	25	1.9	2.7	HEA
		3	2258	49.08	19	16.85	155	23.55	5.87			13	0	172	.12	9	1.5	3.1	SWR
		4	613	40.45	19	24.09	155	15.74	1.60	1.2		12	0	115	.05	3	.2	.2	SPC
		4	659	59.83	19	24.14	155	15.79	1.66	.8		7	0	125	.03	3	.4	.2	SPC
		5	058	21.98	19	19.97	155	11.90	7.57	2.3		27	0	82	.12	6	.7	1.1	UER
		5	347	38.76	19	25.12	155	27.89	5.52	1.8		13	0	105	.11	12	.9	3.1	UKF
		5	719	23.60	19	18.67	155	15.42	6.49			19	0	125	.09	6	.6	1.4	KOA
		5	752	5.56	19	19.40	155	19.18	4.60	1.5		14	0	95	.10	7	.7	1.5	SWR
		5	753	14.68	19	17.90	155	20.18	3.71			10	0	205	.09	7	1.4	2.5	SWR
		5	8 8	12.27	19	28.43	155	52.66	10.13	3.1		20	0	112	.17	29	1.7	.6	KON
		5	14 9	1.24	19	18.50	155	13.10	7.22	2.0		18	0	90	.12	8	.8	1.4	POL
		5	1410	40.72	19	18.51	155	13.31	6.75	1.8		24	0	83	.13	8	.8	1.5	POL
		5	1620	2.14	19	22.82	155	22.61	6.16			10	0	88	.04	9	.4	.9	UKF
		5	1752	6.41	19	22.84	155	22.67	6.95			9	0	89	.04	9	.4	1.6	UKF
		5	1919	29.53	19	22.72	155	22.81	6.87	1.9		14	0	82	.05	8	.3	1.0	UKF
		6	035	26.59	19	19.50	155	11.63	8.23			12	0	94	.06	6	.6	1.9	UER
		6	130	22.41	18	50.53	155	11.57	41.75			22	0	277	.11	50	5.7	9.1	PPL
		6	139	47.03	19	19.74	155	12.33	7.81	1.7		22	0	82	.12	6	.7	1.2	UER
		6	157	27.19	19	24.63	155	24.44	5.16	1.5		14	0	133	.07	8	.6	2.0	UKF
		6	529	52.47	19	18.37	155	13.36	5.70	1.7		14	0	83	.10	8	.7	2.0	POL
		6	555	7.68	19	23.95	155	26.01	12.64			13	0	157	.04	11	.6	.3	UKF
		6	636	23.24	19	26.51	155	27.74	7.64	1.8		16	0	111	.10	12	.8	1.2	UKF
		6	9 1	28.90	19	19.52	155	13.21	8.35	1.7		19	0	72	.10	7	.7	1.6	UER
		6	1454	2.84	19	23.08	155	24.50	7.60	1.8		21	0	96	.15	8	1.0	1.7	UKF
		6	1636	12.00	19	17.65	155	12.99	8.80	1.8		17	0	122	.10	9	1.0	.8	POL
		6	1919	1.40	19	21.71	155	17.09	28.25			12	0	143	.03	6	1.6	3.0	DEP
		6	1927	46.49	19	21.53	155	16.63	29.72			13	0	153	.04	3	.9	2.1	DEP
		6	2015	46.48	19	12.85	155	9.90	4.90	2.3		24	0	215	.13	17	1.4	1.0	POL
		6	21 7	33.68	19	19.37	155	9.73	8.49			14	0	113	.05	8	.5	1.2	UER
		6	2350	10.74	19	23.97	155	23.28	10.79	1.9		19	0	56	.05	8	.4	.2	UKF
		7	5 8	4.13	19	22.81	155	23.33	8.19	1.6		23	0	52	.11	8	.6	1.0	UKF
		7	655	34.96	19	21.71	155	7.23	8.72	1.9		17	0	76	.12	8	.9	2.5	UER
		7	11 2	14.70	19	18.50	155	14.22	7.35	1.7		20	0	106	.08	8	.5	.8	POL
		7	2037	32.65	20	4.06	155	20.75	5.15	3.3		18	0	222	.09	46	1.3	1.7	KKU
		8	1124	22.15	19	16.54	155	15.37	9.51	2.6		27	0	156	.13	7	.9	.4	HLP
		8	1240	30.26	19	15.60	155	7.78	41.45			25	0	194	.08	12	1.4	2.5	POL
		9	513	52.14	20	5.19	155	26.63	21.57	3.3		26	0	217	.08	35	1.1	2.3	DIS
		9	650	21.06	19	21.71	155	16.82	32.79	2.3		29	0	53	.11	3	1.0	2.1	DEP
		9	725	11.83	19	18.94	155	12.09	6.57			12	0	102	.07	7	.7	1.4	POL
		9	734	36.76	19	31.78	155	37.27	8.66	2.7		23	0	145	.12	25	.9	.9	MOK
		9	10 3	55.72	19	24.55	155	25.20	7.92	1.7		14	0	126	.08	10	.7	1.4	UKF
		9	1059	42.48	19	17.02	155	14.78	7.48	1.8		20	0	174	.09	7	.6	.7	POL
		9	1128	45.24	19	22.28	155	3.29	6.66	2.0		20	0	117	.17	12	1.2	2.6	MER
		9	1437	23.10	19	19.40	155	4.02	45.32			14	0	256	.07	21	5.0	6.0	MER
		9	1617	4.11	19	13.64	155	35.99	8.43	2.3		22	0	112	.18	22	1.4	1.8	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	9	2038	18.44	19	19.09	155	47.74	7.45	2.5		18	0	173	.11	28	1.4	.9	KON
		9	2359	59.13	19	21.80	155	48.46	8.11	2.5		15	0	186	.15	26	2.2	1.2	KON
		10	120	27.43	19	20.23	155	13.21	7.59			16	0	117	.07	6	.6	.8	UER
		10	340	8.89	19	19.75	155	10.04	7.69	2.2		27	0	90	.12	8	.7	1.2	UER
		10	540	2.67	19	23.69	155	24.95	7.84			14	0	109	.07	9	.6	1.3	UKF
		10	740	31.76	19	19.82	155	10.78	8.39			13	0	110	.05	7	.6	2.0	UER
		10	747	50.97	19	22.04	155	5.53	8.93			16	0	119	.10	10	1.0	2.9	MER
		10	1026	37.79	19	47.02	155	46.14	11.77	2.6		16	0	236	.09	37	3.2	.9	KON
		10	12 7	40.85	19	24.05	155	15.79	1.52	.8		8	0	118	.05	3	.3	.2	SPC
		10	1621	41.47	19	20.49	155	6.92	8.18			17	0	98	.11	7	.9	2.5	UER
		10	1812	49.52	19	7.02	155	27.64	27.53	2.4		20	0	182	.09	22	1.5	2.8	LSW
		11	046	56.88	19	23.86	155	15.58	1.73			8	0	136	.05	3	.6	.2	SPC
		11	050	43.18	19	24.00	155	14.84	5.53			7	0	177	.14	3	4.7	9.1	GLN
		11	054	27.63	19	24.06	155	15.88	.99	.7		7	0	118	.13	3	1.0	1.3	SPC
		11	211	1.16	19	19.04	155	11.69	7.05			15	0	105	.08	7	.6	1.2	UER
		11	614	17.13	19	25.88	155	23.03	8.45	1.5		17	0	71	.07	10	.5	.8	UKF
		11	753	8.71	19	24.26	155	16.24	1.61	.9		10	0	71	.05	2	.4	.2	SPC
		11	1910	37.65	19	19.58	155	12.78	8.54			19	0	78	.09	7	.7	1.6	UER
		11	1939	27.73	19	19.86	155	8.13	8.05			15	0	87	.07	9	.6	1.5	UER
		12	241	39.27	19	24.11	155	15.74	2.00	.8		9	0	118	.07	3	.6	.0	SPC
		12	320	54.02	19	24.06	155	15.79	1.87			9	0	118	.05	3	.5	.2	SPC
		12	1040	59.97	19	59.46	155	5.71	42.28	2.8		27	0	237	.14	45	3.6	5.2	KKU
		12	13 7	10.08	19	23.98	155	15.69	1.25			9	0	126	.14	3	.8	.8	SPC
		12	1717	47.23	19	18.51	155	13.31	9.13	1.7		19	0	83	.11	8	.7	1.0	POL
		12	23 9	7.46	19	24.47	155	16.76	1.11	.4		9	0	73	.08	2	.5	.4	SPC
		12	2317	7.24	19	21.22	155	13.19	9.63	1.6		21	0	56	.11	6	.8	2.4	UER
		13	055	14.63	19	23.89	155	15.59	2.00			6	0	135	.04	3	.6	.0	SPC
		13	1 9	55.87	19	24.38	155	16.65	1.58			7	0	92	.13	2	.6	.4	SPC
		13	639	43.55	18	52.50	155	7.67	43.50	2.8		24	0	272	.11	47	4.3	8.9	PPL
		13	843	6.73	19	19.43	155	13.51	10.68	1.7		17	0	122	.08	7	.7	2.5	UER
		13	948	23.84	19	24.18	155	15.92	1.85	.7		9	0	64	.08	2	.8	.4	SPC
		13	11 4	1.62	19	24.07	155	15.86	1.51	.7		10	0	62	.05	3	.3	.2	SPC
		13	11 8	1.57	19	24.21	155	16.01	2.00	.7		9	0	67	.11	2	.9	.0	SPC
		13	13 8	6.87	19	24.01	155	15.45	2.00			10	0	73	.14	3	1.1	.0	SPC
		13	1753	5.01	19	14.14	155	11.23	1.67			17	1	200	.12	15	1.5	1.7	POL
		13	1755	50.85	19	14.33	155	11.26	2.75			18	0	198	.13	15	1.5	12.9	POL
		13	19 7	51.23	19	24.02	155	15.72	2.00	.8		9	0	122	.12	3	1.0	.0	SPC
		13	2329	7.49	19	19.74	155	9.59	6.73	1.8		21	0	87	.13	8	.9	2.0	UER
		13	2335	50.42	19	25.95	155	24.23	8.40	1.9		23	0	65	.10	9	.6	1.0	UKF
		14	738	19.44	19	18.48	155	15.13	9.95	1.7		15	0	128	.08	6	.8	2.9	KOA
		14	10 7	11.44	19	24.07	155	15.96	2.00	.8		10	0	60	.10	2	.7	.0	SPC
		14	1149	7.90	19	25.20	155	16.39	.63	.8		10	0	121	.07	2	.4	.2	SPC
		14	1248	14.40	19	23.98	155	15.85	1.76	1.5		17	0	56	.07	3	.3	.2	SPC
		14	1647	45.83	19	20.30	155	11.85	8.90	1.7		26	0	77	.12	7	.7	1.4	UER
		14	1954	34.91	19	26.15	155	16.52	2.54			7	0	251	.04	2	1.5	2.4	SPC
		14	22 2	4.07	19	13.57	155	10.93	7.15	2.3		28	0	192	.15	16	1.1	1.3	POL
		15	0 4	45.10	19	20.72	155	7.84	7.11	1.8		23	0	82	.12	9	.8	1.9	UER
		15	011	21.95	19	24.88	155	24.25	10.63	1.7		20	0	61	.07	9	.5	.3	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	15	112	23.38	19	13.80	155	4.07	50.17	2.1		24	0	213	.09	18	2.1	3.8	DIS
		15	129	30.81	19	23.93	155	15.73	2.00			8	0	125	.08	3	.8	.0	SPC
		15	136	32.02	19	54.38	156	3.96	7.68	3.2		13	0	247	.13	65	3.6	.9	KON
		15	224	14.67	19	19.98	155	8.10	6.94	1.9		18	0	86	.12	9	.9	2.3	UER
		15	344	36.22	19	23.60	155	15.09	1.89	1.0		10	0	95	.06	3	.5	.0	SPC
		15	628	44.36	19	19.52	155	11.37	8.18	1.7		23	0	95	.10	6	.7	1.5	UER
		15	11 7	.16	19	18.80	155	15.01	7.85	1.6		21	0	92	.09	7	.6	.9	KOA
		15	19 8	15.59	19	19.37	155	25.05	8.29	1.8		9	0	114	.05	7	.7	2.0	HEA
		15	1925	36.04	19	24.04	155	15.36	2.00			9	0	141	.10	3	1.0	.0	SPC
		15	2316	.53	19	19.31	155	10.14	10.71			15	0	104	.06	7	.6	2.4	UER
		16	129	52.54	19	24.16	155	16.11	1.54			8	0	101	.06	2	.5	.3	SPC
		16	313	17.64	19	16.70	155	5.10	44.88	2.5		28	0	199	.08	13	1.5	2.8	MER
		16	320	8.24	19	13.47	155	10.64	5.54	2.3		23	0	208	.12	16	1.2	3.9	POL
		16	636	40.15	19	24.04	155	15.92	2.00	.8		9	0	112	.08	2	.7	.0	SPC
		16	636	43.47	19	24.04	155	15.60	1.82	1.9		20	0	64	.09	3	.3	19.2	SPC
		16	759	14.28	19	23.97	155	15.52	2.00			9	0	135	.13	3	1.2	.0	SPC
		16	1553	37.12	19	19.93	155	11.68	11.40			20	0	84	.08	6	.7	2.2	UER
		16	1631	38.46	19	23.71	155	24.05	10.30	1.7		19	0	116	.06	8	.5	2.1	UKF
		16	17 3	25.20	19	13.00	155	10.45	5.24	2.0		19	0	212	.13	17	1.3	1.2	POL
		16	1819	55.15	19	26.32	155	29.35	9.68	1.9		17	0	82	.11	13	.7	.8	UKF
		16	2148	.30	19	22.95	155	22.59	9.02	1.6		14	0	90	.13	9	1.2	4.4	UKF
		17	017	9.34	19	14.28	155	29.34	11.44	2.1		24	0	96	.10	14	.9	.3	LSW
		17	030	27.39	19	20.21	155	16.92	31.21	2.2		26	0	82	.08	5	1.0	1.6	DEP
		17	318	18.39	19	24.05	155	15.86	2.00			7	0	115	.04	3	.5	.0	SPC
		17	4 4	54.13	19	23.88	155	15.48	.98			9	0	141	.07	3	.4	.5	SPC
		17	444	52.55	19	16.98	155	32.87	30.44	2.4		32	1	53	.10	14	.9	1.7	HEA
		17	738	43.84	19	23.92	155	15.46	2.00	.9		9	0	140	.11	3	1.0	.0	SPC
		17	948	4.69	19	24.01	155	15.47	2.00			9	0	136	.10	3	1.0	.0	SPC
		17	953	20.17	19	19.68	155	9.18	7.09			14	0	83	.13	9	1.2	2.8	UER
		17	1249	51.76	19	24.03	155	15.75	1.47	.8		8	0	120	.04	3	.3	.4	SPC
		17	1259	25.65	19	24.06	155	15.81	1.84	.8		8	0	117	.04	3	.4	.2	SPC
		17	16 6	34.14	19	13.70	155	11.13	1.15			13	0	204	.15	15	2.4	99.0	POL
		17	1753	16.93	19	20.47	155	13.49	8.90	1.6		22	0	59	.12	6	.7	1.6	UER
		18	246	25.03	19	24.52	155	25.12	10.26	2.0		20	0	65	.09	10	.6	.7	UKF
		18	1344	19.27	19	22.44	155	3.85	5.65	2.0		17	0	104	.17	12	1.2	2.7	MER
		18	1730	29.76	19	23.91	155	23.74	10.67	1.6		14	0	115	.05	7	.4	2.1	UKF
		18	2258	34.62	19	16.50	154	54.49	43.22	3.2		28	0	243	.09	24	3.3	4.5	DIS
		18	2359	1.67	19	13.69	155	10.85	1.26	1.9		14	0	205	.14	16	2.5	99.0	POL
		19	756	57.97	19	19.03	155	13.79	7.34	1.9		24	0	65	.12	7	.7	1.6	UER
		19	1356	50.65	19	21.84	155	17.52	26.39			13	0	107	.06	4	1.4	2.9	DEP
		19	1516	52.69	19	20.45	155	13.01	7.46			17	0	65	.07	6	.6	.9	UER
		19	1836	28.54	19	18.17	155	13.35	6.71	1.7		23	0	86	.09	8	.6	1.3	POL
		19	2026	.28	19	18.29	155	13.38	6.77	1.7		23	0	84	.11	8	.7	1.6	POL
		19	2221	5.09	19	20.05	155	9.16	9.94			15	0	77	.06	8	.6	2.1	UER
		20	154	57.62	19	21.12	155	4.23	6.03	2.0		22	0	89	.16	10	1.1	2.0	MER
		20	4 7	59.46	19	55.94	155	34.34	11.34	2.7		26	0	146	.08	31	1.0	.4	KOH
		20	947	23.77	19	25.58	155	24.83	6.51	1.9		14	0	79	.06	8	.5	1.7	UKF
		20	10 5	30.53	19	25.10	155	26.21	9.59	3.1		26	0	69	.12	10	.7	1.1	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	20	1532	10.04	20	.89	155	59.54	42.28			11	0	306	.11	92	25.8	33.3	KOH
		20	1548	57.09	19	25.86	155	26.49	11.05	1.8		12	0	235	.03	12	1.6	4.1	UKF
		20	1829	29.65	19	19.69	155	11.06	8.03			18	0	92	.06	6	.6	1.3	UER
		21	045	46.67	19	22.40	155	8.80	1.88	1.7		18	0	96	.09	9	.6	.3	UER
		21	317	54.15	19	19.52	155	12.00	7.58	1.7		18	0	90	.06	6	.5	1.0	UER
		21	419	8.53	19	18.92	155	13.00	6.71			18	0	85	.08	8	.6	1.7	POL
		21	5 0	7.18	19	19.40	155	12.58	7.65			17	0	85	.07	7	.6	1.7	UER
		21	929	47.26	19	25.29	155	17.00	9.35	1.3		9	0	213	.05	4	1.7	2.4	LPC
		21	1040	39.84	19	20.81	155	11.74	10.61	1.7		20	0	71	.09	8	.7	2.4	UER
		21	1620	48.57	19	24.79	155	26.12	8.51	1.7		15	0	176	.09	10	1.5	3.6	UKF
		21	18 4	40.83	19	21.12	155	6.72	8.59	2.8		24	0	88	.13	7	.9	1.4	UER
		21	2119	41.72	19	55.07	155	59.90	8.58	2.7		11	0	283	.05	63	3.9	1.3	KOH
		21	2233	39.84	19	22.27	155	15.50	27.78	2.4		28	1	55	.10	4	.9	1.2	DEP
		22	531	35.62	19	23.74	155	17.25	6.09	1.1		7	0	208	.15	2	2.3	5.2	LPC
		22	555	29.37	19	22.59	155	28.43	9.15	1.9		21	0	86	.11	12	.6	1.7	UKF
		22	630	32.39	19	20.31	155	19.73	1.21	1.4		13	0	112	.06	6	.4	.0	SWR
		22	1717	47.69	19	24.97	155	25.53	6.59			11	0	151	.08	10	.8	3.2	UKF
		22	1811	53.93	19	26.91	155	26.11	12.89			12	0	205	.05	10	1.2	.3	UKF
		22	1836	2.80	19	19.70	155	24.15	9.02			17	0	202	.05	10	.8	.4	SWR
		22	19 1	49.59	19	16.33	155	11.82	5.47			21	0	171	.15	11	1.1	.9	POL
		23	0 0	39.61	19	52.80	155	40.09	9.46			13	0	278	.08	44	7.7	1.0	KKU
		23	043	6.40	19	27.42	155	25.08	10.10	2.1		22	0	131	.07	10	.4	.5	UKF
		23	140	4.17	19	16.48	155	11.93	5.19	1.8		23	0	168	.13	11	1.0	1.0	POL
		23	152	.22	19	21.06	155	29.14	10.49	2.9		30	0	46	.12	10	.7	.3	HEA
		23	456	.75	19	19.05	155	13.35	8.44			21	0	75	.09	7	.6	1.5	UER
		23	537	42.87	19	24.44	155	21.02	6.58			10	0	96	.04	7	.4	1.3	UKF
		23	1040	26.99	19	16.59	155	12.13	5.79	2.8		26	0	166	.14	11	.9	1.9	POL
		23	1115	47.29	19	16.24	155	11.71	3.02			15	0	174	.14	11	1.4	6.0	POL
		23	1222	45.49	19	16.01	155	11.72	5.37			18	0	178	.16	12	2.1	1.2	POL
		23	1310	31.42	19	16.40	155	12.28	4.84			20	0	168	.15	11	1.2	1.5	POL
		23	1410	23.89	19	16.76	155	12.14	5.12	2.3		24	0	163	.17	11	1.1	1.3	POL
		23	2325	13.55	19	16.27	155	11.92	2.26			16	0	211	.10	11	1.3	6.1	POL
		23	2330	5.05	19	16.27	155	11.87	5.51			20	0	211	.12	11	1.3	1.9	POL
		23	2339	8.08	19	16.50	155	11.89	5.96	3.2		24	0	168	.16	11	1.2	2.5	POL
		24	043	27.65	19	16.22	155	11.76	5.53			23	0	174	.11	11	.8	1.6	POL
		24	158	18.49	19	16.00	155	11.80	4.32			16	0	177	.12	12	1.4	1.7	POL
		24	311	58.85	19	21.06	155	12.72	5.76			12	0	112	.21	8	2.1	5.9	UER
		24	313	18.68	19	22.08	155	12.73	2.76			17	0	77	.09	6	.5	1.7	UER
		24	316	3.91	19	21.99	155	13.20	2.82	1.4		18	0	50	.11	6	.7	2.1	UER
		24	317	25.66	19	21.98	155	12.59	1.59			6	0	148	.02	6	.5	.2	UER
		24	322	32.90	19	21.90	155	13.07	1.88			15	0	51	.11	6	.6	.4	UER
		24	323	48.96	19	22.17	155	12.99	2.80	1.4		21	0	61	.09	5	.5	1.3	UER
		24	332	33.84	19	22.02	155	13.15	1.98			8	0	156	.02	5	.3	.1	UER
		24	339	5.87	19	21.82	155	12.95	2.00			10	0	150	.13	6	1.2	.0	UER
		24	344	42.29	19	21.71	155	12.00	1.32			9	0	116	.07	7	.9	.5	UER
		24	345	1.85	19	21.95	155	12.63	1.58			8	0	148	.04	6	.6	.3	UER
		24	350	16.37	19	21.78	155	12.89	1.87			8	0	151	.02	5	.3	.1	UER
		24	417	44.59	19	21.81	155	11.80	2.20			9	0	171	.05	7	.7	7.4	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	24	5 0	54.47	19	21.89	155	11.35	2.26			13	0	127	.03	7	.2	3.3	UER
		24	510	31.72	19	21.87	155	13.11	2.03			10	0	101	.04	6	.3	6.1	UER
		24	511	33.01	19	21.72	155	9.91	6.53			6	0	241	.12	9	6.4	8.4	UER
		24	513	44.36	19	21.94	155	11.78	1.47			7	0	127	.04	7	.7	.4	UER
		24	528	42.15	19	22.04	155	13.38	2.67			14	0	64	.10	5	.6	2.4	UER
		24	9 2	2.50	19	24.79	155	27.78	12.49	1.9		16	0	120	.09	12	.9	.4	UKF
		24	1232	12.18	19	11.80	155	20.00	47.73	2.1		21	1	172	.10	15	1.8	1.9	HLP
		24	1251	34.17	19	15.70	155	11.65	5.31	1.9		16	0	183	.15	12	1.6	1.3	POL
		24	1344	14.73	19	15.98	155	11.99	5.83	2.2		22	0	176	.15	12	1.2	2.5	POL
		24	2344	38.73	19	16.74	155	12.02	5.67	2.6		24	0	163	.15	11	1.0	2.2	POL
		24	2346	11.22	19	16.44	155	12.10	5.74	2.8		24	0	168	.15	11	1.1	2.4	POL
		24	2350	28.08	19	16.29	155	11.95	4.73			15	0	171	.15	11	1.8	2.1	POL
		24	2352	10.12	19	16.27	155	11.97	5.41	2.1		23	0	172	.14	11	1.1	.9	POL
		24	2353	14.96	19	16.28	155	12.08	5.51	1.8		23	0	171	.14	11	1.1	2.2	POL
		24	2358	26.96	19	15.99	155	11.81	5.71	1.9		19	0	177	.12	12	1.0	1.8	POL
		25	111	8.89	19	16.40	155	11.85	4.67	1.8		15	0	208	.17	11	2.1	2.0	POL
		25	155	25.15	19	16.26	155	12.09	5.75			18	0	171	.15	12	1.3	2.5	POL
		25	2 1	15.07	19	15.93	155	11.77	4.90	1.9		16	0	178	.11	12	.9	1.2	POL
		25	215	31.11	19	16.17	155	11.97	5.44			16	0	173	.14	12	1.4	1.1	POL
		25	438	12.36	19	16.23	155	11.97	5.23	1.8		19	0	172	.13	11	1.1	.9	POL
		25	553	5.03	19	16.90	155	12.31	1.78			13	0	192	.10	11	1.3	.5	POL
		25	6 6	11.51	19	15.82	155	11.84	5.50			15	0	180	.14	12	1.2	2.2	POL
		25	748	35.37	19	16.51	155	11.45	3.39			12	1	206	.11	11	1.5	2.2	POL
		25	858	30.00	19	20.05	155	11.26	10.36			17	0	96	.08	7	.7	3.0	UER
		25	859	51.82	19	15.52	155	11.53	5.69	1.9		19	0	187	.14	13	1.2	2.3	POL
		25	928	20.61	19	15.71	155	11.71	5.49	1.9		17	0	183	.12	12	1.2	1.0	POL
		25	1043	26.56	19	15.52	155	11.60	5.74	1.9		21	0	187	.15	13	1.3	2.5	POL
		25	1136	10.62	19	54.73	155	11.70	40.71			21	0	215	.12	47	2.2	4.4	KKU
		25	1548	58.17	19	16.58	155	12.35	4.92			16	0	165	.14	11	1.2	1.7	POL
		25	21 1	3.02	19	16.71	155	12.29	4.96	1.8		21	0	163	.16	11	1.2	1.5	POL
		25	2222	38.83	19	21.34	155	10.34	35.97			16	0	115	.05	9	1.4	4.0	UER
		26	120	23.54	19	20.24	155	25.57	7.18	1.8		15	0	107	.10	7	.8	1.7	HEA
		26	234	31.32	19	23.04	155	2.85	7.75			17	0	124	.19	13	1.8	4.0	MER
		26	256	44.24	19	16.08	155	11.91	2.99	1.8		17	0	175	.09	12	.9	2.3	POL
		26	349	56.86	19	16.60	155	11.90	1.05			13	0	203	.09	11	1.3	.8	POL
		26	515	8.75	19	16.87	155	24.61	30.69			13	0	115	.09	14	1.6	3.9	SWR
		26	525	28.28	19	21.03	155	22.06	24.65			12	0	117	.05	8	1.7	3.4	SWR
		26	611	3.08	19	16.49	155	12.24	4.51			20	0	167	.13	11	1.1	1.5	POL
		26	611	4.60	19	16.84	155	12.35	5.33	2.1		19	0	172	.16	11	1.2	1.1	POL
		26	845	40.49	19	29.43	154	49.54	8.89			16	0	322	.07	39	2.6	.5	LER
		26	9 8	55.82	19	23.64	155	17.81	23.65			14	0	107	.04	7	.6	1.0	DEP
		26	919	26.84	19	23.60	155	17.68	23.81			16	0	75	.05	4	.7	1.2	DEP
		26	922	48.48	19	16.32	155	12.33	3.91	1.8		21	0	169	.12	11	1.0	1.6	POL
		26	946	52.75	19	16.37	155	11.99	5.73	2.1		23	0	170	.16	11	1.1	2.4	POL
		26	951	7.41	19	23.60	155	17.68	24.43			15	0	75	.05	4	.7	1.2	DEP
		26	955	32.37	19	23.88	155	17.72	24.05			13	0	99	.05	7	.7	1.7	DEP
		26	11 3	15.28	19	23.63	155	17.93	23.93			19	0	49	.06	3	.7	1.2	DEP
		26	1131	5.44	19	23.64	155	17.86	25.68	2.0		20	0	40	.07	3	.7	1.3	DEP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	26	1153	44.30	19	21.03	155	24.66	8.36			14	0	95	.06	9	.5	1.1	SWR
		26	1242	51.60	19	23.98	155	17.61	24.64	2.0		22	0	40	.05	2	.5	.9	DEP
		26	1528	.81	19	25.39	155	23.81	8.77	1.6		17	0	78	.04	8	.4	1.0	UKF
		26	1655	44.19	19	16.54	155	12.18	2.78	1.8		20	0	166	.11	11	.8	2.5	POL
		26	1847	11.89	19	23.74	155	17.65	25.34	2.5		29	0	31	.09	2	.7	1.2	DEP
		26	2040	44.32	19	16.17	155	12.15	1.32	1.8		18	0	172	.09	12	.8	.5	POL
		26	2136	46.35	19	24.93	155	17.55	7.46	1.2		13	0	74	.05	3	.6	1.0	LPC
		26	23 7	58.58	19	16.10	155	12.32	3.21	1.8		19	0	173	.10	12	.9	2.0	POL
		27	058	10.86	19	18.08	155	13.07	6.15			11	0	101	.08	8	.8	2.0	POL
		27	116	59.73	19	18.21	155	13.12	6.82			16	0	96	.09	8	.7	1.6	POL
		27	758	27.21	19	24.70	155	24.41	7.93			13	0	133	.06	8	.6	1.0	UKF
		27	9 4	33.45	19	22.14	155	11.38	3.57	1.5		17	0	90	.06	7	.4	1.3	UER
		27	934	35.30	19	18.93	155	12.63	5.56			14	0	117	.17	9	1.5	4.0	POL
		27	11 1	6.30	19	18.69	155	13.19	6.83			14	0	84	.10	8	.8	2.0	POL
		27	1316	8.27	19	18.38	155	13.09	5.67	1.7		21	0	93	.14	8	.9	2.2	POL
		27	1430	11.23	19	23.98	155	23.72	10.44	2.0		20	0	57	.07	7	.4	.5	UKF
		27	1553	27.29	19	20.22	155	8.63	7.59	1.8		21	0	74	.12	9	.9	2.0	UER
		27	16 2	7.64	19	27.07	155	27.25	8.89	2.6		27	0	74	.16	11	.9	1.8	UKF
		27	1941	3.94	19	20.27	155	18.55	3.55	2.4		23	0	58	.10	6	.5	1.2	KOA
		27	2027	31.20	19	19.83	155	11.09	8.82	2.0		23	0	89	.09	7	.7	1.4	UER
		27	2053	50.38	19	16.19	155	11.89	5.37	1.8		22	0	173	.13	11	1.3	.8	POL
		27	2057	15.69	19	22.14	155	25.49	8.08			10	0	147	.06	11	1.5	3.4	UKF
		27	21 6	31.64	19	24.77	155	23.58	8.11			13	0	124	.06	8	.5	1.2	UKF
		27	2148	28.89	19	16.59	155	11.98	4.86	1.8		22	0	166	.15	11	1.1	1.2	POL
		27	2258	54.22	18	57.10	155	33.15	38.97	3.6		30	0	234	.10	34	2.4	3.6	DIS
		27	23 8	25.69	19	16.12	155	11.81	5.98	1.9		22	0	175	.14	12	1.0	2.0	POL
		28	112	59.99	19	8.79	155	25.66	34.51			16	0	226	.09	23	3.6	8.1	LSW
		28	134	8.18	19	22.82	155	22.78	6.21			10	0	90	.03	8	.3	.7	UKF
		28	222	31.77	19	20.16	155	11.08	10.60	1.8		21	0	82	.07	7	.6	2.0	UER
		28	1419	11.68	19	31.32	155	55.85	32.39	2.8		12	1	296	.13	61	3.7	4.5	KON
		28	1831	55.76	19	21.06	155	7.23	7.06	1.9		20	0	85	.12	8	.9	2.5	UER
		28	2141	3.52	19	19.39	155	10.26	11.89	1.9		18	0	103	.07	7	.7	.4	UER
		28	2147	14.75	19	9.36	155	24.08	40.83	2.1		23	0	173	.09	19	1.8	3.4	LSW
		28	22 3	15.10	19	20.06	155	10.64	8.49	1.8		24	0	85	.13	7	.9	1.8	UER
		28	2236	36.64	19	19.46	155	10.26	8.66			17	0	104	.06	7	.5	1.3	UER
		28	2330	12.95	19	22.11	155	13.44	2.01	1.3		13	0	90	.07	5	.5	4.1	UER
		29	857	38.18	19	22.78	155	31.87	8.11	2.0		8	0	165	.09	15	1.4	5.8	MOK
		29	952	6.32	19	19.30	155	11.68	11.25			18	0	98	.08	7	.7	2.5	UER
		29	1651	14.68	20	12.96	155	26.46	11.62			17	0	259	.07	48	3.4	99.0	DIS
		29	2023	33.77	19	20.18	155	6.71	10.82			17	0	108	.09	7	.9	1.3	UER
		30	2 1	42.24	18	56.07	155	32.74	41.32			25	0	251	.11	36	4.3	5.4	DIS
		30	217	40.12	19	26.41	155	26.30	7.77	1.7		9	0	113	.11	10	1.2	3.6	UKF
		30	454	34.00	19	24.10	155	29.20	9.12			17	0	90	.09	15	.7	1.9	UKF
		30	759	18.98	19	16.62	155	15.46	5.64			10	0	210	.12	7	1.7	2.9	HLP
		30	1114	20.67	19	18.06	155	13.46	6.97			17	0	88	.09	8	.7	1.7	POL
		30	19 6	29.83	19	18.46	155	15.56	8.62			13	0	134	.05	5	.7	1.7	KOA
		30	23 7	32.54	19	49.23	155	16.67	39.49			15	0	208	.11	41	5.5	12.7	KKU
		31	323	9.07	18	51.71	155	32.07	39.78			17	0	295	.08	54	6.6	4.0	DIS

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAR	31	545	12.71	19	20.67	155	7.47	9.02	2.0		23	0	115	.16	8	1.4	2.3	UER
		31	946	56.84	19	17.89	155	13.11	6.77			16	0	105	.08	9	.7	2.0	POL
		31	1126	2.71	19	20.52	155	12.95	11.57			15	0	66	.04	6	.5	1.7	UER
		31	2323	45.62	19	16.43	155	12.79	4.57			19	0	207	.16	11	1.7	1.4	POL
	APR	1	537	54.35	19	21.74	155	26.25	11.63	1.8		21	0	66	.10	10	.7	.8	HEA
		1	1348	45.50	19	28.16	155	44.31	8.67	2.4		16	0	166	.17	26	2.0	1.6	MOK
		1	1830	36.96	19	23.32	155	14.88	25.66			23	0	54	.08	5	.8	1.3	DEP
		1	2152	40.03	19	31.85	155	36.46	10.08	2.9		24	0	84	.13	23	1.0	.5	MOK
		1	2155	52.80	19	32.82	155	36.60	9.96	2.9		24	0	133	.14	25	1.2	.5	MOK
		2	3 9	35.80	19	21.57	155	6.09	7.66	2.2		21	0	122	.15	8	1.3	1.9	UER
		2	1644	50.85	19	21.70	155	5.75	12.47			10	0	111	.07	9	1.2	5.8	MER
		2	1645	14.39	19	22.40	155	6.32	2.68	1.9		13	0	83	.12	10	1.0	4.4	UER
		2	2256	9.88	19	51.56	154	59.59	40.24			21	0	250	.12	43	6.8	13.5	DIS
		3	244	54.95	19	20.22	155	9.57	9.50	1.8		16	0	77	.05	8	.5	1.7	UER
		3	8 8	13.02	19	19.73	155	11.52	10.91	1.8		18	0	89	.06	6	.6	2.3	UER
		3	1148	16.53	19	19.19	155	10.00	8.05			15	0	103	.09	7	.9	1.9	UER
		3	1834	56.31	19	14.30	155	16.71	28.55	2.2		24	0	165	.09	11	1.3	2.3	HLP
		3	1844	24.19	19	23.48	155	29.68	9.45	1.9		17	0	95	.10	14	.7	1.2	UKF
		3	2118	15.89	19	19.04	155	13.37	7.28	2.0		23	0	74	.13	7	.8	1.8	UER
		3	2337	33.80	19	19.63	155	24.87	7.82			12	0	136	.09	7	1.0	2.5	SWR
		4	1142	15.28	19	22.39	155	16.52	27.25	3.5		31	0	48	.10	3	.8	1.3	DEP
		4	1756	18.22	19	19.76	155	12.17	8.58	1.7		21	0	83	.13	6	.9	2.0	UER
		4	1852	33.25	19	18.34	155	13.36	8.22	1.7		20	0	84	.10	8	.8	1.7	POL
		4	19 7	37.82	19	26.44	155	29.41	9.36	1.9		13	0	82	.08	13	.8	2.5	UKF
		5	752	14.51	19	57.24	155	22.33	7.38	2.6		9	0	302	.05	55	4.1	.7	KKU
		5	1629	4.48	18	51.11	155	23.47	15.43	3.0		17	0	267	.10	47	3.9	25.6	DIS
		5	2248	54.48	19	19.60	155	8.82	8.10	1.8		20	0	80	.08	9	.6	1.0	UER
		5	2330	32.97	19	26.07	155	26.60	5.83	1.7		13	0	138	.11	12	1.1	5.8	UKF
		6	422	59.67	19	22.57	155	26.47	9.35	1.8		17	0	91	.09	11	.7	1.6	UKF
		6	523	31.72	19	54.28	155	4.10	44.18	2.7		22	0	252	.12	44	9.1	16.3	KKU
		6	629	49.00	19	12.52	155	28.87	36.92			20	0	145	.08	17	1.2	3.1	LSW
		6	738	4.45	19	23.65	155	23.80	9.21	2.3		29	0	55	.11	7	.5	.7	UKF
		6	1012	16.34	19	20.55	155	17.39	27.56			17	0	49	.05	5	.9	1.9	DEP
		6	2020	44.81	19	24.22	155	29.69	9.11	1.9		24	0	93	.12	14	.7	1.0	UKF
		6	2044	57.29	19	19.36	155	12.40	8.11			19	0	88	.08	7	.6	1.6	UER
		7	553	7.56	19	22.67	155	24.29	9.13	1.7		18	0	52	.08	6	.5	1.5	UKF
		7	6 7	44.69	19	52.50	155	32.57	28.62	2.9		30	0	127	.10	37	.8	2.3	KKU
		7	620	56.00	19	18.93	155	47.74	7.41			15	0	172	.10	28	1.4	1.0	KON
		7	638	31.81	19	18.92	155	15.63	6.68	1.6		22	0	119	.11	6	.7	1.2	KOA
		7	916	1.01	19	27.52	155	27.53	8.37	1.8		12	0	161	.09	15	1.4	4.1	UKF
		7	934	13.65	19	20.03	155	10.57	10.81			16	0	105	.07	7	.7	2.8	UER
		7	14 0	23.72	19	18.68	155	13.96	7.15	2.0		22	0	71	.11	7	.7	1.6	POL
		7	1910	47.39	19	20.41	155	13.77	7.30	1.9		25	0	67	.14	6	.8	1.3	UER
		7	1954	20.29	19	16.88	155	22.96	2.71			14	0	124	.11	8	1.0	2.8	SWR
		7	23 1	34.43	19	18.67	155	13.99	8.19			14	0	98	.08	7	.7	1.6	POL
		7	2344	58.96	19	21.89	155	25.62	5.62	2.0		21	0	88	.10	10	.7	1.6	HEA
		8	020	24.58	19	21.63	155	25.98	6.60	1.7		12	0	118	.09	12	.9	1.8	HEA
		8	021	59.00	19	21.81	155	25.94	6.79	1.7		16	0	84	.09	10	.7	1.7	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	APR	8	8 1	22.20	19	17.36	155	37.49	8.32	3.3		23	0	77	.15	20	.9	1.6	HEA
		9	656	28.21	19	17.45	155	18.83	11.71			19	0	132	.10	9	.8	.5	KOA
		9	1041	35.78	19	19.81	155	13.22	7.72	1.6		17	0	69	.06	7	.4	1.2	UER
		10	231	29.04	19	20.04	155	8.62	7.73	2.9		24	0	75	.13	9	1.0	1.7	UER
		10	250	56.33	19	22.76	155	26.89	5.72	1.8		16	0	137	.09	12	.9	1.6	UKF
		10	259	47.31	19	22.56	155	27.13	9.27	2.1		23	0	78	.15	11	1.2	1.4	UKF
		10	521	25.61	19	22.66	155	29.74	8.36	1.9		20	0	88	.13	16	1.0	2.4	UKF
		10	1052	21.74	19	18.83	155	13.14	7.54	1.7		22	0	83	.10	8	.7	1.4	POL
		10	1426	22.56	19	5.47	155	27.69	27.40			12	0	206	.07	25	1.7	3.3	LSW
		10	1520	24.62	19	22.56	155	23.64	8.15	1.6		15	0	89	.11	7	1.1	1.5	UKF
		10	1811	25.76	19	23.57	154	59.69	8.72	2.2		15	0	172	.16	15	1.7	2.1	LER
		10	2153	29.98	19	22.30	155	25.94	7.84	1.7		18	0	105	.09	11	.7	1.4	UKF
		11	040	38.23	19	17.61	155	15.25	7.16			15	0	167	.06	6	.5	1.3	KOA
		11	4 7	33.88	19	16.94	155	23.77	4.63	1.8		17	0	171	.13	12	1.1	1.6	SWR
		11	1650	24.35	19	49.58	155	9.49	41.12			23	0	273	.06	45	5.7	6.2	HIL
		11	2028	3.98	19	19.83	155	10.74	5.75	2.3		27	0	90	.18	7	1.0	1.9	UER
		11	2237	49.48	19	25.91	155	35.89	1.22	2.5		21	0	78	.18	23	1.1	30.8	MOK
		12	124	28.46	19	28.23	155	27.86	5.36			12	0	152	.12	13	1.3	1.7	UKF
		12	217	9.11	19	23.69	155	25.36	7.33	2.1		27	0	56	.14	10	.7	1.3	UKF
		12	623	26.38	19	23.51	155	25.35	8.42	2.5		27	0	55	.13	10	.7	1.2	UKF
		12	944	23.29	19	22.12	155	6.22	6.41	1.9		19	0	164	.14	9	1.7	1.9	UER
		12	1845	26.76	19	22.77	155	1.24	9.86			11	0	227	.16	15	2.9	1.4	MER
		12	2147	57.83	19	16.98	155	28.55	9.41			20	0	67	.17	11	1.1	1.8	HEA
		13	522	30.26	18	56.25	155	13.56	41.53			18	0	287	.08	41	5.8	8.2	PPL
		13	917	20.97	19	25.04	155	22.53	8.43			11	0	109	.02	9	.3	1.0	UKF
		13	19 8	.71	19	19.79	155	13.03	33.46			24	0	114	.07	7	1.1	1.8	DEP
		14	015	47.73	19	23.15	155	22.92	6.74			10	0	95	.05	8	.5	2.2	UKF
		14	259	55.08	19	11.02	155	25.63	13.64			13	0	185	.14	18	3.9	3.3	LSW
		14	513	37.60	19	22.24	155	6.77	4.16			12	0	103	.15	9	1.3	2.5	UER
		14	553	18.10	19	24.96	155	29.52	11.16			20	0	90	.11	14	.8	1.0	UKF
		14	922	47.61	19	33.79	155	5.13	12.53	2.9		25	0	150	.09	23	.8	.4	HIL
		14	1653	13.27	19	24.56	155	25.04	8.85	1.7		13	0	119	.04	9	.5	1.4	UKF
		14	1658	12.31	19	24.68	155	24.90	7.97	1.6		17	0	120	.07	9	.6	1.5	UKF
		15	646	54.57	18	56.22	155	33.04	38.55	2.7		23	0	251	.10	35	3.5	4.5	DIS
		15	9 6	12.18	19	19.24	155	13.50	4.35			15	0	69	.08	7	.5	1.3	UER
		15	16 9	44.62	19	41.88	155	1.44	6.04	2.7		18	0	207	.23	39	3.2	4.0	HIL
		15	21 5	18.82	19	20.94	155	24.46	6.13	1.7		17	0	81	.09	9	.6	1.5	SWR
		15	2113	54.79	19	21.51	155	17.00	31.46	2.2		24	0	52	.06	3	.7	1.3	DEP
		16	039	6.17	19	19.34	155	15.81	5.82	1.5		22	0	93	.12	6	.7	1.6	KOA
		16	627	36.47	19	17.10	155	14.88	6.61			19	0	171	.07	7	.6	1.3	POL
		16	1115	.98	19	19.25	155	13.61	8.66	1.7		20	0	67	.11	7	.8	1.8	UER
		16	1314	52.70	19	19.25	155	14.50	7.07			17	0	95	.08	6	.6	1.4	UER
		16	18 3	40.18	19	19.85	155	13.70	5.99	1.6		16	0	72	.13	6	.9	2.3	UER
		16	2041	43.80	19	24.75	155	28.81	9.31	1.9		20	0	60	.09	13	.6	1.1	UKF
		17	114	56.78	19	21.38	155	16.34	32.28	2.2		24	0	64	.07	4	.8	1.4	DEP
		17	752	35.18	19	13.32	155	5.66	43.76			13	1	240	.05	25	2.2	1.6	DIS
		17	833	7.37	19	18.27	155	13.50	7.61	1.7		22	0	83	.10	8	.7	1.1	POL
		17	1530	55.26	19	16.55	155	15.63	43.11			15	1	155	.07	7	1.8	1.8	HLP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	APR	17	17 8	25.28	19	21.84	155	5.76	6.38	1.9		16	0	79	.15	9	1.2	3.1	MER
		17	1726	30.96	19	3.22	156	9.40	87.43			12	0	307	.07	61	24.9	30.6	DIS
		17	2015	44.83	19	19.30	155	9.94	9.73			13	0	108	.05	7	.5	2.3	UER
		18	1744	44.42	19	22.46	155	1.41	6.80	2.1		17	0	160	.17	15	1.5	3.1	MER
		18	1910	44.64	19	19.45	155	14.08	8.52	1.6		19	0	66	.09	6	.6	1.4	UER
		18	2217	8.61	19	23.67	155	25.10	6.27			18	0	110	.14	9	.9	2.9	UKF
		18	2228	15.61	19	18.37	155	15.44	6.55			15	0	137	.10	6	.9	2.0	KOA
		18	2310	38.65	19	25.83	155	28.52	7.67	1.9		23	0	67	.13	14	.8	1.8	UKF
		18	2344	39.73	19	26.87	155	26.62	7.76	1.8		17	0	93	.10	10	.7	2.3	UKF
		19	932	27.63	19	18.91	155	15.41	7.86	1.7		13	0	117	.07	6	.7	1.5	KOA
		19	1417	47.25	19	20.80	155	7.05	6.69	1.9		11	0	91	.07	7	.7	2.6	UER
		19	2150	15.03	19	24.70	155	25.34	7.93	1.7		17	0	86	.08	10	.6	1.9	UKF
		20	1218	8.45	19	30.56	156	4.99	23.01	2.8		18	1	272	.14	35	3.4	3.7	KON
		21	855	57.87	19	23.50	155	26.27	6.11			15	0	91	.12	12	.9	2.5	UKF
		21	9 0	21.79	19	25.26	155	17.46	15.70	1.8		20	0	75	.05	3	.5	.7	DEP
		21	1446	5.55	19	25.22	155	17.65	15.47			19	0	64	.07	3	.7	.9	DEP
		21	1939	37.87	19	21.87	155	23.61	8.70			10	0	109	.05	8	.6	2.2	SWR
		21	1941	43.30	19	22.37	155	23.58	7.47	1.6		19	0	84	.14	7	1.0	1.6	UKF
		21	2013	49.72	19	25.06	155	17.81	15.74	1.7		24	0	58	.08	3	.6	.9	DEP
		22	836	38.38	19	29.97	155	36.40	36.28	2.8		16	0	210	.12	28	2.2	5.6	MOK
		22	842	42.85	19	19.87	155	12.67	8.56			13	0	76	.05	6	.5	1.6	UER
		22	953	4.81	19	27.77	155	24.86	8.47	1.7		11	0	189	.08	11	2.8	5.6	UKF
		22	2120	42.18	19	25.19	155	17.53	14.97			16	0	86	.05	3	.6	.9	DEP
		22	2157	6.85	19	24.85	155	28.18	13.24	1.9		13	0	236	.05	13	3.9	4.2	UKF
		22	22 1	50.31	19	24.99	155	25.66	7.95	3.0		29	0	62	.18	10	.9	1.5	UKF
		23	213	43.52	19	25.12	155	17.63	15.98	1.8		24	0	63	.06	3	.5	.7	DEP
		23	344	23.74	19	8.37	155	35.61	10.57	3.0		22	1	132	.16	22	1.4	.5	HEA
		23	347	37.75	19	19.71	155	12.38	9.79			13	0	82	.04	6	.5	2.4	UER
		23	526	36.02	19	3.41	155	23.80	32.44			21	0	218	.09	29	1.8	3.6	LSW
		23	528	52.21	19	17.52	155	14.26	7.08			13	0	153	.09	8	.9	2.1	POL
		23	533	56.22	19	17.65	155	14.41	6.21			14	0	149	.09	7	.9	1.9	POL
		23	842	44.12	19	25.14	155	17.70	15.66	1.5		20	0	56	.06	3	.6	.8	DEP
		23	1622	28.99	19	24.03	155	15.65	1.43			9	0	127	.05	3	.3	.3	SPC
		23	17 7	42.00	19	22.41	155	24.71	11.69			11	0	110	.05	13	.6	4.4	UKF
		23	2325	3.22	19	25.46	155	17.43	15.30			12	0	160	.05	4	.9	1.4	DEP
		23	2325	24.30	19	24.65	155	17.77	14.84			16	0	74	.10	3	1.0	1.3	DEP
		24	458	44.41	19	25.08	155	17.65	15.51			17	0	70	.06	3	.6	.9	DEP
		24	614	6.78	19	22.00	155	11.32	1.87	1.5		11	0	88	.05	7	.4	99.0	UER
		24	746	51.78	19	17.54	155	14.41	9.23	3.0		24	0	143	.11	7	.9	1.1	POL
		24	8 4	36.85	19	17.78	155	14.24	5.73			9	0	136	.08	8	1.1	2.2	POL
		24	1217	23.21	19	17.61	155	14.24	7.60	1.7		17	0	146	.08	8	.7	.9	POL
		24	1434	6.37	19	34.28	155	6.71	4.51	2.5		17	0	180	.13	24	1.6	2.4	BLS
		24	1628	26.27	19	20.67	155	25.98	8.65	1.8		14	0	78	.09	8	.7	1.2	HEA
		24	1635	24.01	19	22.18	155	28.89	9.37	2.1		21	0	62	.13	11	.8	1.3	UKF
		24	1642	39.51	19	25.08	155	17.48	15.72			12	0	118	.03	3	.3	.6	DEP
		24	21 6	23.69	19	17.60	155	14.30	7.27			20	0	137	.09	8	.7	1.1	POL
		24	2148	14.09	20	2.53	155	30.38	8.96			16	0	205	.05	30	1.0	.5	KOH
		24	2159	24.06	20	2.44	155	30.30	9.49	2.7		17	0	205	.05	30	.9	.4	KOH

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	APR	25	021	26.19	19	17.50	155	14.36	7.05	1.7		20	0	144	.09	8	.7	1.1	POL
		25	2 6	55.17	19	19.11	155	13.46	10.11	3.8		30	0	72	.08	7	.5	.5	UER
		25	218	14.79	19	19.10	155	13.70	4.69	1.6		21	0	82	.10	7	.6	1.0	UER
		25	322	54.28	19	24.65	155	27.67	8.51	2.6		29	0	60	.15	12	.8	1.3	UKF
		25	919	11.84	19	18.75	155	13.27	8.61			13	0	81	.07	8	.7	2.0	POL
		25	919	12.47	19	40.30	155	47.50	35.80	2.7		15	0	133	.13	37	3.8	8.1	KON
		25	1558	57.00	19	18.96	155	13.37	8.03	1.7		22	0	76	.12	7	.8	1.6	POL
		26	17 5	38.68	19	24.39	155	17.46	16.94			22	0	47	.15	2	1.2	1.8	DEP
		26	1735	18.97	19	25.29	155	17.58	15.77			20	0	75	.06	3	.5	.8	DEP
		26	2214	55.48	19	24.56	155	24.78	10.35	2.1		23	0	61	.09	9	.6	.4	UKF
		27	627	13.20	19	25.77	155	15.44	24.58			21	0	130	.09	4	1.1	1.4	DEP
		27	1422	19.71	19	42.73	156	.77	.90	2.8		15	0	271	.30	50	9.7	24.0	KON
		27	2110	53.82	19	25.01	155	17.71	16.44			25	0	62	.09	3	.7	1.0	DEP
		28	215	30.98	19	25.13	155	17.81	16.21			25	0	43	.08	3	.6	.8	DEP
		28	611	2.88	19	24.61	155	17.83	13.65			15	0	58	.05	3	.6	.7	DEP
		28	1039	4.61	19	18.94	155	13.55	7.62	1.7		21	0	71	.14	7	.9	2.0	POL
		28	1418	52.75	19	24.14	155	25.63	8.30	2.0		24	0	58	.11	10	.6	1.2	UKF
		28	1640	35.24	19	16.87	155	2.00	37.72			24	0	260	.07	17	2.5	3.7	MER
		29	617	27.79	19	23.72	155	25.80	9.44	2.7		21	0	81	.10	11	.7	1.7	UKF
		29	8 3	33.60	19	19.80	155	8.43	8.42			17	0	81	.05	10	.5	1.2	UER
		29	9 8	44.95	19	18.89	155	13.72	8.06			16	0	86	.06	7	.5	1.5	POL
		29	1350	51.64	19	25.15	155	29.50	7.49	1.9		14	0	89	.11	14	.8	1.6	UKF
		29	1728	32.37	19	21.40	155	16.40	33.17	2.6		29	0	64	.08	4	.9	1.5	DEP
		29	2145	46.89	19	18.95	155	17.81	29.39			21	0	103	.08	7	1.0	1.9	DEP
		29	2146	18.31	19	18.86	155	17.57	30.61	2.2		25	0	111	.11	7	1.3	2.3	DEP
		30	244	.89	19	21.45	155	2.41	7.12	2.8		24	0	206	.13	13	1.4	1.2	MER
		30	245	46.19	19	21.72	155	2.67	7.62	3.1		29	0	194	.11	13	1.0	.9	MER
		30	259	18.39	19	21.95	155	1.68	5.56	2.1		18	0	161	.17	14	1.6	4.1	MER
		30	3 2	12.74	19	22.19	155	1.87	3.83			13	0	153	.13	14	1.3	2.4	MER
		30	549	45.71	19	22.15	155	1.60	5.87	2.1		21	0	160	.21	14	1.7	4.3	MER
		30	734	12.02	19	26.91	155	25.13	15.76			10	0	183	.05	9	2.2	4.7	UKF
		30	12 4	51.44	19	47.42	155	9.37	35.26	3.1		25	1	223	.11	53	1.8	2.9	HIL
		30	1538	38.71	19	32.96	154	59.25	30.72	2.4		24	1	240	.14	27	3.6	1.4	HIL
		30	1659	46.77	19	31.80	155	55.21	9.85			7	0	276	.29	51	43.1	2.9	KON
		30	1720	38.19	19	24.12	155	26.65	1.72			8	0	248	.11	12	3.6	.0	UKF
		30	1750	22.75	19	22.08	155	11.29	4.04	1.5		12	0	89	.03	7	.3	.8	UER
	MAY	1	458	50.26	19	22.31	155	10.77	2.21	1.6		18	0	95	.08	8	.6	4.3	UER
		1	1315	46.18	19	12.04	155	39.35	10.68			11	0	109	.09	24	1.2	.5	HEA
		1	1524	3.88	19	28.20	155	27.50	12.78			13	0	150	.10	12	1.3	.4	UKF
		2	130	5.74	19	21.57	155	2.78	4.91	2.0		14	0	182	.14	12	2.2	1.7	MER
		2	328	24.11	19	18.50	155	16.39	6.71	1.6		18	0	137	.07	6	.5	1.1	KOA
		2	423	43.12	19	19.67	155	12.40	7.84	1.7		20	0	82	.09	6	.6	1.5	UER
		2	552	41.46	19	25.42	155	25.19	7.30	2.1		15	0	92	.08	9	.7	2.2	UKF
		2	1012	54.31	19	19.29	155	12.03	7.73			14	0	94	.05	6	.4	1.5	UER
		2	1459	41.25	19	19.63	155	8.51	12.52			14	0	80	.13	10	1.7	.7	UER
		2	2042	22.71	19	24.38	155	24.48	8.29	1.6		20	0	78	.14	8	1.0	1.5	UKF
		2	2114	37.10	19	25.29	155	28.05	6.98	1.8		18	0	107	.14	13	1.1	1.9	UKF
		2	2234	1.32	19	26.23	155	27.85	7.02	1.9		18	0	119	.12	15	.9	2.5	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	RMS DEG	MIN SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	3	138	14.58	19	14.01	155	10.93	5.16	3.3		28	0	202	.15	15	1.5	1.3	POL
		3	1825	34.83	19	22.05	155	19.94	28.36	2.1		26	0	48	.08	6	.7	1.4	DEP
		3	2040	10.91	19	12.67	155	20.46	39.79			23	0	177	.12	15	1.9	4.0	HLP
		4	323	38.98	19	25.39	155	25.81	2.97	1.6		19	0	64	.13	10	.7	2.4	UKF
		4	657	30.89	19	20.35	155	7.28	6.14			17	0	96	.15	8	1.1	2.7	UER
		4	1810	55.91	19	22.95	155	24.60	9.11	2.1		26	0	53	.10	9	.5	.9	UKF
		4	2321	45.97	19	19.97	155	9.60	8.35	1.8		15	0	82	.06	8	.5	1.3	UER
		4	2325	23.20	19	24.29	155	25.75	5.53	1.7		16	0	131	.13	11	1.9	6.1	UKF
		5	056	22.54	19	23.93	155	24.35	9.38	2.6		31	0	57	.14	8	.6	.8	UKF
		5	1 1	44.76	19	23.48	155	24.33	9.19	1.6		19	0	55	.08	8	.5	1.5	UKF
		5	137	17.01	19	21.68	155	15.86	12.53			17	0	129	.07	4	.7	.3	KOA
		5	137	23.92	19	21.54	155	15.60	13.75	4.2		29	0	68	.12	5	.7	1.1	DEP
		5	159	20.26	19	23.87	155	17.52	15.68	2.0		25	0	67	.08	5	.5	.8	DEP
		5	442	10.45	19	18.43	155	15.73	7.74	1.6		19	0	137	.06	5	.4	1.0	KOA
		5	641	15.56	19	20.69	155	13.17	8.19			13	0	77	.06	6	.6	1.5	UER
		5	853	17.84	19	15.37	155	24.23	4.59			11	0	153	.10	13	1.4	3.3	LSW
		5	946	14.06	19	23.25	155	24.22	10.46	2.5		26	0	68	.11	8	.7	.3	UKF
		5	1121	6.11	19	23.79	155	23.13	9.83	1.6		15	0	97	.05	8	.4	.4	UKF
		5	1218	32.42	19	54.18	155	17.91	24.25	2.9		27	1	236	.12	36	1.2	2.5	KKU
		5	1832	55.78	19	22.12	155	17.32	34.14	2.5		31	0	38	.10	4	.9	1.6	DEP
		5	2021	59.53	19	19.40	155	11.62	10.81	1.8		16	0	96	.04	6	.3	1.3	UER
		6	756	31.34	19	20.55	155	7.03	7.20	1.9		21	0	96	.10	7	.7	1.1	UER
		6	2017	.34	19	19.97	155	11.75	7.19	2.0		29	0	83	.13	6	.7	1.0	UER
		6	2045	38.56	19	48.43	154	52.81	38.12	3.3		27	0	261	.12	39	4.8	5.8	HIL
		6	23 1	3.43	19	28.61	155	49.32	6.90	2.5		14	0	170	.17	24	3.1	2.2	KON
		7	0 1	56.64	19	22.13	155	11.17	3.10	1.5		16	0	91	.07	7	.5	1.7	UER
		7	1135	33.51	19	21.75	155	2.01	6.76	2.4		19	0	156	.17	14	1.5	2.5	MER
		7	1322	19.31	19	18.46	155	15.73	8.11	2.0		22	0	136	.10	5	.7	.8	KOA
		7	1945	22.00	19	25.41	155	23.52	7.71	2.2		22	0	62	.14	8	.8	1.7	UKF
		7	2114	5.63	19	25.23	155	23.22	7.94	1.5		15	0	122	.05	8	.4	1.0	UKF
		7	2116	45.45	19	19.20	155	13.88	6.61	1.6		24	0	64	.10	6	.6	1.3	UER
		8	211	29.45	19	20.22	155	8.61	6.50			14	0	74	.14	9	1.2	2.8	UER
		8	1054	8.46	19	29.22	155	28.80	9.52	2.9		21	0	93	.13	13	.8	.5	NER
		8	1830	58.17	19	17.42	155	29.43	7.21	2.0		17	0	58	.19	12	1.2	2.8	HEA
		8	2350	7.05	19	27.81	155	35.31	.01	4.0		26	0	59	.16	24	.9	1.2	MOK
		9	447	25.93	19	28.34	155	35.29	.34	3.0		25	1	61	.18	25	.8	.8	MOK
		9	633	1.08	18	50.28	154	51.91	51.44			20	0	301	.12	70	12.2	7.3	DIS
		9	1911	53.06	19	59.33	155	31.15	26.72	2.7		22	1	256	.09	56	1.2	2.8	KOH
		9	2145	28.99	19	27.20	155	27.96	6.94	2.1		25	0	76	.16	13	.9	1.9	UKF
		9	2219	55.80	19	27.24	155	27.92	5.15	1.8		10	0	135	.06	13	.6	1.0	UKF
		9	2225	19.55	19	25.55	155	16.50	2.40	.5		8	0	193	.06	2	1.0	2.4	SPC
		10	121	46.44	19	19.84	155	8.53	7.72	1.8		20	0	78	.12	10	.9	2.1	UER
		10	610	17.02	19	25.09	155	17.68	7.90	1.2		9	0	77	.06	5	1.4	3.4	LPC
		10	7 0	22.54	19	25.79	155	17.62	8.69	1.3		12	0	153	.10	5	1.6	2.5	LPC
		10	7 2	28.46	19	24.00	155	18.15	15.93	1.7		6	0	132	.08	3	8.3	21.7	DEP
		10	7 5	46.54	19	24.69	155	17.17	10.76	1.4		10	0	68	.08	2	1.5	6.4	LPC
		10	837	47.22	19	25.02	155	24.16	12.92			12	0	199	.05	9	.9	.3	UKF
		10	853	4.46	18	45.16	155	15.77	21.03			11	0	315	.09	65	43.5	63.5	PPL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	10	1431	41.61	19	30.14	155	32.18	13.44			6	0	189	.05	21	2.4	20.5	MOK
		10	1729	27.07	19	23.87	155	18.42	8.84	1.3		7	0	141	.07	3	3.1	12.2	LPC
		10	2345	16.21	19	25.21	155	16.55	22.81			9	0	130	.07	2	6.2	23.1	DEP
		11	2	1 42.54	19	17.01	155	38.77	120.61			7	0	342	.14	40	94.7	93.6	HEA
		11	227	9.28	19	20.67	155	11.88	11.77	1.7		18	0	84	.09	7	1.0	.5	UER
		11	953	5.20	19	19.88	155	11.01	12.17			13	0	104	.03	7	.4	.2	UER
		11	2125	51.19	19	3.67	155	34.30	16.07			12	0	182	.21	21	5.2	11.5	HEA
		12	317	53.22	19	25.64	155	18.00	10.43	1.4		10	0	146	.13	4	3.4	8.7	LPC
		12	342	45.81	19	19.84	155	10.76	3.78			13	0	111	.11	7	.9	2.7	UER
		12	441	32.86	19	26.24	155	15.72	1.14			7	0	255	.19	4	7.7	2.5	SPC
		12	449	49.15	19	21.39	155	26.02	8.75	1.8		21	0	71	.09	12	.6	1.2	HEA
		12	10	3 15.63	19	24.13	155	15.77	2.01	.8		8	0	116	.06	3	.6	32.5	SPC
		12	1142	46.87	19	20.40	155	11.78	10.11			12	0	119	.03	8	.4	1.6	UER
		12	1818	13.10	19	24.14	155	15.87	1.62	1.3		17	0	59	.07	2	.3	.2	SPC
		12	2014	51.52	19	12.20	155	27.37	38.65			15	0	120	.16	18	3.0	6.8	LSW
		12	2155	44.23	19	25.03	155	16.45	.60	.6		9	0	111	.08	2	.5	.2	SPC
		13	022	24.78	19	22.50	155	3.04	3.33			15	0	174	.11	13	1.0	2.0	MER
		13	223	7.68	19	24.22	155	16.25	1.85	.7		11	0	69	.08	2	.6	.2	SPC
		13	448	1.41	19	24.20	155	16.34	2.01			7	0	91	.04	2	.6	1.5	SPC
		13	750	49.45	19	25.16	155	16.66	1.38			10	0	124	.11	2	.6	.4	SPC
		13	848	33.26	19	24.12	155	19.41	22.19			7	0	216	.09	5	15.7	71.3	DEP
		13	1447	17.04	19	24.33	155	17.52	2.06	.8		7	0	103	.07	2	.7	9.0	SPC
		13	1449	59.24	19	18.65	155	15.47	8.05	1.6		12	0	157	.05	7	.7	1.4	KOA
		13	1451	26.12	19	24.17	155	15.99	2.12	.7		7	0	105	.04	2	.4	9.9	SPC
		13	1927	9.28	19	25.46	155	27.30	7.76	1.8		17	0	180	.10	12	1.2	2.4	UKF
		14	3	1 23.75	19	16.66	155	.86	40.67	2.8		32	0	214	.11	19	2.0	3.0	DIS
		14	548	40.83	19	21.24	155	4.27	3.79			15	0	133	.13	10	1.1	2.4	MER
		14	2259	32.66	19	11.37	155	17.05	49.08	2.5		19	0	202	.10	16	2.9	9.9	HLP
		14	23	2 29.31	19	12.92	155	16.21	50.44	2.1		10	1	277	.06	20	4.2	2.1	HLP
		14	23	3 10.06	19	13.24	155	16.88	45.55	2.4		21	1	173	.10	13	1.5	1.5	HLP
		15	042	11.38	19	20.01	155	8.74	6.61			15	0	73	.11	9	1.0	2.4	UER
		15	148	14.58	19	23.94	155	15.30	2.00	.9		10	0	78	.12	3	.9	.0	SPC
		15	6	3 .91	19	22.36	155	25.36	9.37	1.7		18	0	118	.08	10	.7	1.0	UKF
		15	616	31.81	19	45.16	156	1.39	6.67			11	0	274	.09	53	5.5	2.0	KON
		15	741	39.24	19	23.74	155	15.86	1.89	1.4		16	0	52	.16	2	.8	.5	SPC
		15	811	21.69	19	24.33	155	17.56	1.64	.6		9	0	105	.07	2	.8	.4	SPC
		15	837	8.19	19	23.80	155	15.34	1.13			10	0	82	.07	3	.3	.3	SPC
		15	850	1.47	19	26.30	155	36.77	4.45	3.2		21	0	188	.11	21	.9	1.4	MOK
		15	911	16.54	19	22.63	155	24.56	8.56			23	0	68	.12	9	.8	1.3	UKF
		15	2038	9.67	19	20.14	155	10.84	10.27			14	0	109	.04	7	.5	2.1	UER
		16	114	9.18	19	20.60	155	7.30	5.96			21	0	91	.16	8	1.1	2.5	UER
		16	246	30.05	20	32.94	155	29.92	7.75	3.1		23	0	299	.12	85	9.7	.0	DIS
		16	326	19.05	20	34.44	155	30.72	7.34	3.4		33	0	302	.12	88	11.2	99.0	DIS
		16	7	3 10.22	19	18.73	155	15.71	7.90			14	0	126	.04	5	.3	.9	KOA
		16	734	54.45	19	29.32	155	28.45	5.15	1.9		12	0	96	.08	13	.6	1.0	MER
		16	1112	36.24	19	24.12	155	17.76	1.55	.8		7	0	146	.08	2	1.1	.5	SPC
		16	1357	31.24	19	24.49	155	16.82	.53	1.0		13	0	70	.12	2	.6	.2	SPC
		16	1555	29.93	19	24.96	155	16.59	12.70	1.5		21	0	83	.08	2	.8	.3	LPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	16	1732	17.52	19	27.66	155	50.19	5.55	2.6		15	0	99	.18	25	1.8	2.2	KON
		16	1845	43.72	19	25.54	155	16.59	1.87	.7		10	0	149	.08	2	.8	.3	SPC
		16	2158	.75	19	24.88	155	16.89	1.00	.2		7	0	114	.06	2	.4	.3	SPC
		17	014	2.13	19	23.96	155	15.63	1.52	.8		14	0	70	.09	3	.5	.2	SPC
		17	144	7.77	19	24.91	155	38.08	4.19	2.2		8	0	210	.05	19	1.4	1.7	MOK
		17	222	47.91	19	24.45	155	17.34	15.52	2.5		32	0	41	.10	2	.6	.8	DEP
		17	550	54.93	19	25.94	155	28.24	7.96	2.2		26	0	56	.16	14	.9	1.8	UKF
		17	656	6.33	19	24.18	155	16.17	1.79	1.0		14	0	67	.08	2	.5	.2	SPC
		17	1354	45.35	19	44.55	155	45.71	12.75	3.4		22	0	125	.16	33	1.5	.9	KON
		17	1520	8.63	19	24.05	155	15.75	1.84	2.1		19	0	59	.06	5	.5	.2	SPC
		17	1751	28.41	19	24.29	155	16.58	1.71	1.0		12	0	68	.09	2	.5	.3	SPC
		17	1835	46.03	19	25.18	155	16.83	1.52	.6		9	0	127	.08	2	.6	.3	SPC
		17	2329	25.25	19	24.36	155	16.95	13.00			18	0	53	.05	2	.4	.4	DEP
		18	052	57.49	19	36.42	155	53.36	12.78	2.7		24	0	178	.11	33	1.5	.4	KON
		18	5 1	2.67	19	24.03	155	17.23	14.32	1.6		20	0	50	.09	2	.8	1.1	DEP
		18	642	30.96	19	25.55	155	16.03	.78	1.8		17	0	126	.09	5	.4	.2	SPC
		18	1314	40.47	19	26.10	155	29.30	9.43	1.9		15	0	120	.13	13	1.5	1.7	UKF
		18	2217	49.38	19	25.79	155	17.84	14.20	1.6		10	0	155	.03	4	1.0	1.2	DEP
		18	2235	33.25	19	24.32	155	17.33	5.57	1.0		9	0	96	.15	2	2.4	4.6	SPC
		19	034	24.94	19	25.45	155	17.32	11.41	1.4		11	0	145	.10	3	2.2	3.9	LPC
		19	2 6	59.21	19	56.62	155	46.22	33.88			26	0	160	.13	37	2.0	5.7	KOH
		19	410	3.69	19	24.33	155	17.83	1.57	.7		11	0	93	.08	2	.5	.3	SPC
		19	1635	6.90	19	18.60	155	30.13	7.92	2.7		23	0	71	.16	14	1.0	1.8	HEA
		19	18 4	22.25	19	25.98	155	16.56	1.95	.8		9	0	188	.09	2	1.5	99.0	SPC
		19	1841	20.94	19	19.71	155	8.40	8.53	1.9		17	0	82	.07	10	.7	1.7	UER
		19	2056	44.12	19	24.55	155	16.43	.62	.9		11	0	88	.11	2	.5	.3	SPC
		19	21 0	42.24	19	24.71	155	17.01	1.06	.5		9	0	71	.07	2	.5	.3	SPC
		19	2133	17.40	19	24.59	155	16.50	.76	.4		8	0	92	.04	2	.2	.2	SPC
		19	2144	19.82	19	23.90	155	15.51	1.42	.8		10	0	85	.06	5	.5	.2	SPC
		19	2335	57.34	19	23.06	155	15.51	2.00	1.0		11	0	109	.19	5	1.4	.0	SPC
		20	2 1	12.67	19	24.09	155	17.42	14.21			23	0	38	.07	2	.5	.7	DEP
		20	251	53.36	19	24.23	155	17.43	14.42	1.6		26	0	38	.08	2	.5	.7	DEP
		20	750	16.60	19	18.59	155	15.32	7.37			17	0	127	.06	6	.5	1.3	KOA
		20	1122	40.96	19	19.05	155	15.72	7.93			19	0	115	.05	5	.4	.7	KOA
		20	1357	31.45	19	19.92	155	11.41	8.70			15	0	93	.08	6	.9	2.1	UER
		20	1418	41.11	19	19.63	155	11.91	10.78	1.8		20	0	88	.08	6	.7	2.4	UER
		20	18 9	.93	19	15.75	155	13.28	6.79	1.8		19	0	173	.09	10	.9	1.7	POL
		20	1857	44.27	19	15.32	155	13.31	7.50	1.9		18	0	179	.10	11	.9	1.8	POL
		20	2140	10.19	19	24.04	155	24.34	7.85	1.6		15	0	109	.09	8	.7	2.4	UKF
		21	054	41.11	19	24.35	155	16.70	12.57	1.5		22	0	65	.08	2	.7	.3	LPC
		21	1 4	52.59	19	24.27	155	16.93	12.66	1.8		22	0	68	.08	3	.6	.3	LPC
		21	1 7	21.68	19	24.34	155	16.77	12.64	1.5		20	0	63	.06	2	.6	.2	LPC
		21	212	38.14	19	19.05	155	13.76	9.29	1.7		20	0	65	.10	7	.8	1.7	UER
		21	340	5.52	19	22.95	155	24.64	8.02	1.6		22	0	81	.14	9	.9	1.4	UKF
		21	428	2.69	19	22.89	155	4.23	7.51	2.6		24	0	154	.13	12	1.0	1.3	MER
		21	622	18.50	19	16.82	155	13.38	7.44			13	0	199	.07	9	.9	1.8	POL
		21	628	53.76	19	16.10	155	13.31	5.57			13	0	214	.10	10	1.4	1.8	POL
		21	743	3.38	19	19.47	155	12.49	8.72			12	0	85	.03	7	.4	1.0	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	21	744	57.39	19	19.47	155	12.46	8.68			14	0	85	.06	7	.5	1.3	UER
		21	752	18.09	19	15.17	155	13.43	6.96			13	0	180	.09	10	1.0	1.9	POL
		21	8 6	34.00	19	16.08	155	13.02	5.52			11	0	214	.09	10	1.5	1.8	POL
		21	814	41.79	19	16.80	155	13.48	8.46	2.3		23	0	158	.12	9	.9	1.5	POL
		21	816	38.52	19	16.59	155	13.38	8.77	1.8		19	0	161	.12	10	1.1	1.9	POL
		21	834	9.08	19	17.19	155	13.56	12.07	2.3		17	0	152	.09	10	1.0	.4	POL
		21	848	31.66	19	17.02	155	13.32	6.07			14	0	185	.07	9	.9	1.6	POL
		21	9 7	17.90	19	16.83	155	13.43	8.10			21	0	181	.13	9	1.1	1.9	POL
		21	910	45.25	19	16.67	155	13.44	8.82			20	0	160	.12	9	1.0	1.9	POL
		21	912	35.30	19	17.96	155	14.32	7.78			15	0	130	.09	8	.8	2.2	POL
		21	919	43.79	19	16.95	155	13.19	5.77			10	0	196	.05	9	.7	1.2	POL
		21	1015	10.52	19	17.89	155	13.18	7.40			12	0	101	.08	9	.9	2.6	POL
		21	1128	5.33	19	17.50	155	15.14	7.29			15	0	171	.08	6	.7	1.6	KOA
		21	14 7	29.32	19	18.04	155	14.82	7.71			12	0	140	.06	7	.7	1.8	POL
		21	1619	43.52	19	17.08	155	14.90	7.40			14	0	192	.08	7	.9	1.8	POL
		21	1811	14.93	19	16.06	155	13.61	5.54			9	0	261	.05	12	2.2	1.5	POL
		21	1921	17.43	19	17.57	155	14.66	7.25	1.7		16	0	160	.08	7	.7	1.6	POL
		21	1957	58.29	19	17.60	155	14.56	5.96			11	0	156	.13	7	1.6	3.3	POL
		21	20 6	34.36	19	18.24	155	17.84	7.06			14	0	143	.06	8	.6	1.2	KOA
		21	2141	37.08	19	17.23	155	14.96	6.44			12	0	183	.06	7	.6	1.4	POL
		21	22 6	40.92	19	52.63	155	22.78	25.88			21	0	212	.11	42	5.0	6.3	KKU
		21	2256	19.11	19	17.28	155	22.11	.89	2.0		22	0	123	.14	8	.8	36.7	SWR
		21	2357	40.83	19	17.12	155	22.23	1.11			13	0	124	.11	8	.9	99.0	SWR
		22	015	8.36	19	17.44	155	13.16	7.53			18	0	124	.08	9	.6	1.4	POL
		22	021	35.02	19	17.89	155	12.97	6.12			14	0	112	.08	9	.7	1.8	POL
		22	154	1.36	19	24.26	155	16.31	2.97			7	0	91	.05	3	.3	.9	SPC
		22	229	9.11	19	18.00	155	12.98	8.40	1.8		22	0	107	.12	9	.9	1.7	POL
		22	236	.25	20	27.91	155	37.03	31.50	3.1		3	0	311	.00	78	79.1	73.4	DIS
		22	3 9	39.37	19	26.72	155	16.16	7.17			6	0	274	.10	4	4.9	6.9	LPC
		22	311	44.32	19	14.59	155	12.05	5.01			20	0	193	.11	13	.9	.8	POL
		22	317	18.44	19	14.13	155	21.67	5.51	1.9		20	0	162	.11	12	.9	2.2	LSW
		22	4 3	55.51	19	24.23	155	17.72	1.41	.4		7	0	115	.05	2	.4	.3	SPC
		22	4 7	42.70	19	25.35	155	16.94	2.00	.3		7	0	169	.06	2	.6	1.4	SPC
		22	412	39.52	19	23.98	155	15.72	1.23	.8		8	0	124	.04	3	.2	.2	SPC
		22	428	51.80	19	24.19	155	17.26	1.50	.5		7	0	99	.11	2	.5	.2	SPC
		22	431	40.45	19	22.07	155	11.43	2.80	1.5		16	0	88	.09	7	.7	3.1	UER
		22	5 9	26.54	19	23.93	155	15.89	1.92	1.1		12	0	64	.13	3	.8	.0	SPC
		22	550	6.60	19	24.07	155	15.93	1.99	1.1		9	0	61	.09	3	.8	99.0	SPC
		22	554	44.90	19	18.81	155	15.36	7.11			13	0	120	.08	6	.7	2.3	KOA
		22	6 2	35.99	19	24.37	155	17.16	1.00	.3		9	0	86	.15	2	1.0	.8	SPC
		22	651	4.98	19	19.55	155	11.43	9.25			14	0	94	.05	6	.5	1.3	UER
		22	7 4	32.54	19	16.36	155	22.20	5.36	2.6		26	0	132	.16	8	.9	1.2	SWR
		22	7 8	40.21	19	17.84	155	13.20	7.98	1.8		23	0	102	.11	9	.7	1.2	POL
		22	712	50.45	19	17.81	155	13.17	6.32			16	0	105	.09	9	.7	1.8	POL
		22	723	59.07	19	17.03	155	13.28	6.20			17	0	179	.08	9	.8	1.3	POL
		22	729	16.95	19	25.53	155	16.93	.32	1.4		10	0	147	.20	2	.8	.4	SPC
		22	759	15.69	19	26.74	155	20.36	6.66			6	0	330	.18	8	89.7	41.8	UKF
		22	842	45.13	19	17.88	155	12.97	7.77	1.8		17	0	113	.08	9	.7	1.3	POL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	22	918	20.79	19	17.65	155	12.94	6.91			11	0	124	.07	9	.8	1.8	POL
		22	930	51.46	19	14.26	155	21.57	3.99	1.9		15	0	152	.13	13	1.1	3.2	LSW
		22	944	29.85	19	24.54	155	16.52	.62	.4		8	0	90	.06	2	.3	.3	SPC
		22	1137	2.94	19	24.56	155	16.28	1.00	.8		9	0	87	.09	2	.3	.5	SPC
		22	12 4	15.93	19	16.76	155	13.21	5.94			14	0	200	.14	10	1.7	2.6	POL
		22	1354	54.66	19	11.81	155	8.89	3.71			12	0	254	.11	19	2.6	3.1	POL
		22	1546	42.16	19	8.87	155	27.73	28.46	2.4		16	0	164	.09	22	1.3	3.0	LSW
		22	1638	21.32	19	10.94	155	6.76	3.86	2.2		17	0	244	.14	18	2.8	1.9	POL
		22	1836	36.32	19	24.22	155	17.20	13.96	1.6		20	0	43	.08	2	.6	.8	DEP
		22	1848	58.99	19	11.35	155	5.24	10.36	2.5		23	0	232	.17	18	4.1	.9	DIS
		22	21 2	29.48	19	17.58	155	21.63	7.62			14	0	217	.14	12	1.8	3.2	SWR
		22	2132	49.43	19	17.76	155	12.97	6.17			16	0	118	.09	9	.7	1.9	POL
		22	2135	17.18	18	54.94	155	12.11	39.47			16	0	266	.09	49	4.6	7.6	PPL
		22	2219	25.00	19	17.44	155	13.05	8.41	2.1		26	0	133	.10	9	.7	1.0	POL
		22	2230	33.49	19	18.66	155	13.74	7.03			16	0	90	.11	8	.8	2.4	POL
		23	043	36.55	19	24.37	155	17.05	14.48	1.6		18	0	60	.07	2	.6	.8	DEP
		23	044	11.53	19	24.52	155	17.17	15.49			15	0	54	.07	2	.9	1.1	DEP
		23	1 1	15.12	19	25.44	155	16.72	1.82	1.3		16	0	124	.10	2	.6	.3	SPC
		23	240	4.90	19	25.51	155	16.46	2.28	.5		10	0	148	.12	2	.9	2.7	SPC
		23	314	13.38	19	17.76	155	13.14	6.48	1.7		11	0	108	.07	9	.7	1.9	POL
		23	315	13.15	19	25.74	155	24.88	10.67	2.0		17	0	70	.08	8	.7	.6	UKF
		23	532	25.36	19	17.61	155	13.41	7.70	1.8		22	0	93	.07	9	.5	.8	POL
		23	734	54.97	19	14.94	155	1.26	10.50			17	0	289	.13	20	5.0	.6	DIS
		23	828	30.96	19	12.26	155	5.87	7.82	2.2		18	0	242	.15	16	3.0	1.9	DIS
		23	925	40.56	19	18.11	155	13.21	7.85			20	0	94	.11	6	.8	1.2	POL
		23	1027	6.08	19	18.43	155	13.33	6.89			13	0	84	.06	8	.5	1.4	POL
		23	1045	50.73	19	15.31	155	20.05	5.84	1.8		17	0	157	.09	11	.9	2.3	HLP
		23	1311	36.53	19	20.53	155	45.99	9.50	3.6		24	0	83	.12	23	.7	.7	KON
		23	1530	11.62	19	25.01	155	16.76	9.05	2.0		11	0	117	.10	2	1.9	3.3	LPC
		23	1818	7.97	19	11.66	155	3.03	10.15	2.7		25	0	222	.16	21	3.6	.7	DIS
		23	1957	57.54	19	12.56	155	7.34	10.05	3.1		27	0	222	.17	16	2.3	.7	POL
		23	20 9	31.39	19	25.44	155	16.51	2.01	.5		9	0	143	.08	2	.9	39.8	SPC
		23	2141	32.99	19	19.51	155	11.77	9.26	1.7		19	0	92	.11	6	.9	1.2	UER
		23	2153	.59	19	13.24	155	10.00	5.81	2.2		23	0	212	.14	16	1.6	4.5	POL
		24	033	26.23	19	18.11	155	13.85	7.05			16	0	106	.06	8	.5	1.5	POL
		24	033	45.14	19	19.74	155	16.58	27.40			19	0	120	.08	7	1.1	2.0	DEP
		24	259	40.75	19	16.32	155	22.16	.72	1.8		22	0	133	.15	14	.8	45.4	SWR
		24	541	11.13	19	25.59	155	16.53	1.92	.4		12	0	154	.10	2	.8	.3	SPC
		24	647	33.23	19	19.64	155	8.64	6.42	1.8		21	0	77	.09	10	.6	1.2	UER
		24	718	51.24	19	16.24	155	22.32	.41	1.8		15	0	133	.14	8	.9	65.7	SWR
		24	719	29.50	19	28.83	155	16.90	3.11	1.1		8	0	319	.11	7	15.6	10.5	GLN
		24	8 2	50.07	19	20.38	155	9.30	7.11			25	0	73	.12	8	.7	1.3	UER
		24	1426	39.50	19	22.56	155	24.26	8.31			14	0	110	.07	8	.6	1.0	UKF
		24	1632	21.11	19	30.26	154	52.46	30.65			9	0	346	.31	44	91.1	38.7	LER
		24	1749	7.16	19	17.86	155	14.16	9.37			14	0	129	.05	9	.6	1.2	POL
		24	1758	5.50	19	20.01	155	12.96	7.47			12	0	194	.08	7	1.4	.9	UER
		24	1810	9.87	19	24.30	155	26.46	9.18			29	0	59	.13	12	.0	.9	UKF
		24	1939	55.42	19	12.99	155	22.04	7.57	3.1		28	0	158	.16	13	1.1	1.9	LSW

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	24	2030	15.03	19	19.02	155	13.77	8.72			20	0	85	.08	7	.6	.9	UER
		24	2121	17.67	19	11.62	155	21.16	1.28			12	0	210	.14	16	2.4	18.5	LSW
		24	2210	25.80	19	13.00	155	20.58	.57			20	0	184	.10	14	1.2	69.5	HLP
		24	2226	20.93	19	24.24	155	26.48	8.17			16	0	161	.08	12	.9	1.8	UKF
		24	2232	34.36	19	19.46	155	8.22	5.88			14	0	158	.13	10	1.3	3.1	UER
		24	2240	6.50	19	12.98	155	32.62	6.15			19	0	88	.21	12	1.5	4.0	LSW
		24	23 1	1.43	19	13.76	155	21.35	2.86			19	0	164	.08	12	.7	3.0	LSW
		24	2349	10.56	19	13.68	155	22.16	6.25	3.7		29	1	154	.18	12	1.1	2.6	LSW
		24	2359	58.56	19	12.50	155	21.37	8.45			29	0	163	.16	13	1.1	1.5	LSW
		25	039	42.63	19	11.59	155	20.79	4.67			24	0	201	.13	14	1.4	1.2	HLP
		25	157	.10	19	15.26	155	21.19	6.36	2.2		19	0	180	.08	10	.9	2.0	LSW
		25	253	53.54	19	13.67	155	20.00	5.21			17	0	254	.08	13	2.0	.9	HLP
		25	351	6.47	19	14.45	155	22.30	3.26	1.9		25	0	149	.18	11	1.2	2.8	LSW
		25	425	17.76	19	14.33	155	22.04	.51			20	0	157	.11	11	.9	51.4	LSW
		25	428	2.52	19	17.70	155	23.47	.90			11	0	171	.07	11	1.0	.9	SWR
		25	444	16.62	19	25.54	155	16.86	.75	2.0		21	0	96	.13	2	.5	2.0	SPC
		25	449	35.24	19	13.13	155	17.60	44.05			14	0	230	.04	16	1.9	3.1	HLP
		25	5 6	45.58	19	19.01	155	15.32	8.43			21	0	93	.08	6	.5	1.1	KOA
		25	527	6.42	19	25.05	155	16.96	.89	.4		8	0	122	.10	2	.5	.5	SPC
		25	533	10.28	19	23.58	155	26.55	6.00			15	0	85	.14	12	1.1	2.5	UKF
		25	6 1	46.57	19	25.40	155	16.73	1.78			14	0	95	.11	2	.7	.3	SPC
		25	722	40.52	19	10.35	155	3.55	10.17	2.8		14	0	298	.16	24	11.9	1.7	DIS
		25	756	1.60	19	24.04	155	15.78	1.69	1.6		17	0	55	.07	3	.3	.2	SPC
		25	812	21.99	19	18.45	155	13.29	9.17	2.2		27	0	85	.12	8	.7	.8	POL
		25	1040	6.52	19	17.97	155	13.33	7.14			16	0	91	.08	9	.7	1.5	POL
		25	1122	43.36	19	18.50	155	13.26	6.45			14	0	85	.09	8	.8	2.2	POL
		25	1123	40.12	19	23.80	155	15.36	1.56			10	0	81	.07	3	.5	.3	SPC
		25	1126	48.53	19	18.59	155	13.31	9.38			18	0	82	.08	8	.7	1.3	POL
		25	1150	20.88	19	25.45	155	16.75	1.63	.8		11	1	143	.12	1	1.1	.4	SPC
		25	13 2	27.95	19	23.83	155	26.98	11.42			19	0	98	.09	13	.7	.3	UKF
		25	1338	32.28	20	9.04	155	48.28	36.04	3.6		15	0	155	.12	55	2.1	3.4	KOH
		25	14 7	.40	19	13.07	155	9.48	5.19			14	0	280	.10	17	3.7	1.3	POL
		25	2137	50.19	19	21.52	155	15.51	13.84	2.2		27	0	63	.10	4	.7	.9	DEP
		25	2216	22.72	19	25.27	155	16.64	13.28			22	0	122	.08	2	.6	.7	DEP
		25	2316	51.93	19	22.88	155	14.87	2.00			10	0	145	.19	3	1.8	.0	UER
		25	2338	33.64	19	26.74	155	17.24	3.99			13	0	150	.08	4	.7	1.4	SPC
		25	2352	38.93	19	26.53	155	17.23	5.05	1.2		16	0	134	.08	3	.6	.8	SPC
		26	110	22.36	19	18.32	155	13.05	7.70			17	0	158	.07	8	.7	.7	POL
		26	2 6	11.64	19	26.64	155	17.04	5.48	1.4		14	0	189	.10	3	1.4	.7	SPC
		26	258	55.67	19	24.39	155	17.32	15.93			14	0	110	.06	4	.7	1.1	DEP
		26	3 1	16.38	19	24.34	155	17.28	16.33	2.0		27	0	31	.07	2	.5	.8	DEP
		26	327	26.87	19	19.10	155	9.87	6.87			19	0	115	.13	7	.9	1.7	UER
		26	511	14.99	19	19.68	155	9.61	3.83			11	0	150	.11	12	1.6	2.5	UER
		26	526	1.69	19	23.06	155	14.85	2.00	1.2		9	0	115	.15	3	1.3	.0	GLN
		26	6 5	39.29	19	23.68	155	15.19	1.86	.9		10	0	90	.08	3	.7	99.0	SPC
		26	614	25.20	19	10.14	155	14.82	4.11			15	0	245	.13	19	4.5	1.9	POL
		26	615	17.43	19	12.92	155	5.85	10.61	2.6		23	0	237	.18	15	4.1	.7	DIS
		26	1152	4.16	19	18.07	155	2.40	11.60			13	0	226	.09	23	2.6	.4	HER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	26	1510	20.28	19	25.12	155	16.60	14.28	2.3		29	0	47	.09	2	.5	.8	DEP
		26	1814	10.83	19	23.12	155	23.25	10.42	1.6		16	0	89	.05	8	.4	.4	UKF
		26	19 1	21.02	19	20.90	155	11.42	9.13			20	0	155	.12	8	1.0	1.9	UER
		26	1916	25.22	19	18.64	155	13.58	9.26	2.2		26	0	73	.12	7	.7	.9	POL
		26	1918	21.55	19	19.07	155	14.93	9.04			11	0	132	.06	6	.7	2.4	UER
		26	2256	46.02	19	25.14	155	16.79	13.50			15	0	120	.05	2	.5	.6	DEP
		27	024	53.72	19	22.80	155	30.39	8.21			13	0	169	.16	13	1.7	4.1	MOK
		27	6 4	3.80	19	9.08	154	50.95	10.06			18	0	295	.18	41	17.9	1.6	DIS
		27	9 3	1.28	19	20.34	155	9.00	8.64			16	0	70	.07	8	.6	1.3	UER
		27	1123	6.92	19	25.25	155	16.99	.82	.6		9	0	155	.10	2	.6	.6	SPC
		27	1240	5.55	19	20.68	155	13.22	8.28			13	0	63	.06	7	.6	1.7	UER
		27	1648	33.21	19	15.73	155	2.22	10.84			16	0	283	.10	18	3.1	.5	DIS
		27	1818	30.20	19	24.00	155	17.52	14.18	1.6		20	0	51	.06	2	.5	.7	DEP
		27	1946	47.94	19	18.02	155	13.17	8.44	1.7		22	0	98	.10	8	.7	1.0	POL
		28	039	16.81	19	24.33	155	17.45	1.27	.8		11	0	80	.09	2	.6	.4	SPC
		28	210	8.78	19	24.22	155	17.50	14.05			18	0	56	.07	2	.7	.8	DEP
		28	328	49.19	19	17.56	155	12.96	8.80	2.4		27	0	129	.14	9	.8	1.0	POL
		28	331	16.13	19	17.60	155	12.93	5.59			12	0	128	.08	9	1.0	1.9	POL
		28	355	23.10	19	25.49	155	14.96	5.52	1.1		9	0	254	.12	4	3.1	3.5	GLN
		28	424	3.99	19	23.94	155	15.26	2.00			9	0	152	.10	3	1.0	.0	SPC
		28	427	47.16	19	24.57	155	16.41	.70	.4		8	0	90	.04	2	.2	.1	SPC
		28	452	48.94	19	25.16	155	19.06	5.27	1.3		10	0	156	.20	5	3.3	5.8	UKF
		28	719	55.59	19	25.56	155	16.79	1.74	.9		12	0	150	.13	2	1.1	.5	SPC
		28	927	34.15	19	25.59	155	17.04	5.11	1.2		8	0	204	.16	2	3.2	4.1	SPC
		28	1020	23.59	19	24.12	155	15.87	1.74	.7		10	0	62	.07	2	.3	.3	SPC
		28	1021	53.32	19	24.08	155	15.79	1.59	.8		9	0	117	.04	3	.3	.2	SPC
		28	1125	18.86	19	17.32	155	23.39	1.63	1.8		15	0	117	.12	8	.9	99.0	SWR
		28	1228	43.87	19	16.04	154	59.38	10.50	2.3		21	0	261	.14	21	4.9	.6	DIS
		28	1352	46.28	19	24.10	155	15.99	2.05	1.1		11	0	61	.10	2	.7	3.7	SPC
		28	1428	7.26	19	22.09	155	11.32	2.99	1.8		18	0	89	.07	7	.5	2.0	UER
		28	1521	30.17	19	24.68	155	17.31	15.44	1.7		23	0	61	.09	2	.7	.9	DEP
		28	1552	22.42	19	23.97	155	15.95	1.92	1.2		10	0	62	.12	3	.9	.5	SPC
		28	1754	27.21	19	20.11	155	11.67	9.40	1.7		21	0	86	.11	7	.8	1.0	UER
		28	1817	31.26	19	23.90	155	15.08	3.27			10	0	83	.09	3	.4	1.8	SPC
		28	19 9	17.15	19	18.47	155	13.29	7.78			12	0	84	.08	9	.8	2.2	POL
		28	1940	27.44	19	24.83	155	16.47	.92	.4		10	0	111	.09	2	.4	.5	SPC
		28	20 9	45.50	19	24.71	155	16.43	.60	.9		11	0	94	.11	2	.4	.3	SPC
		28	2216	45.25	19	20.42	155	8.31	7.71	1.8		21	0	78	.10	9	.7	1.0	UER
		29	0 3	9.60	19	21.40	155	3.99	4.69			12	0	145	.17	10	1.7	2.7	MER
		29	0 6	42.71	19	21.02	155	4.33	5.51			18	0	93	.13	10	1.6	4.1	MER
		29	013	14.26	19	24.68	155	17.17	9.05	1.3		14	0	66	.06	2	.7	.9	LPC
		29	024	5.26	19	20.92	155	4.28	5.41			19	0	96	.17	10	1.8	2.0	MER
		29	030	19.58	19	20.17	155	10.94	10.60	1.8		20	0	83	.07	7	.6	2.1	UER
		29	116	19.43	19	25.21	155	16.72	1.71	.3		7	0	152	.04	2	.5	.2	SPC
		29	235	51.49	19	29.33	155	36.68	3.92	2.5		14	0	266	.08	23	3.1	1.3	MOK
		29	1225	54.62	19	21.16	155	3.90	6.20	2.0		19	0	138	.17	10	1.8	3.2	MER
		29	1231	5.85	19	20.97	155	9.78	6.91			11	0	68	.08	7	1.0	1.9	UER
		29	1444	58.95	19	23.97	155	15.83	1.83	.8		9	0	112	.06	3	.7	.5	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	MAY	29	1518	56.23	19	23.32	155	14.93	2.00	1.7		15	0	81	.21	5	1.2	.0	GLN
		29	1551	40.21	19	23.19	155	15.12	.33	1.0		11	0	108	.08	3	.3	.5	SPC
		29	1613	57.83	19	23.01	155	14.99	2.00	1.1		10	0	116	.18	3	1.5	.0	GLN
		29	1815	.10	19	12.73	155	33.15	40.08			25	1	82	.12	20	1.3	1.7	LSW
		29	2054	19.30	19	20.60	155	11.89	7.56			21	0	78	.11	7	.8	1.2	UER
		29	2110	58.65	19	23.86	155	15.47	2.00	.9		10	0	77	.13	5	1.0	.0	SPC
		29	2218	20.08	19	22.21	155	1.71	5.50			18	0	157	.15	14	1.4	4.6	MER
		29	2237	46.79	19	19.27	155	15.52	7.71	1.6		21	0	107	.09	6	.5	.9	KOA
		29	2255	50.40	19	19.36	155	12.47	8.00			13	0	87	.06	7	.6	1.7	UER
		29	23 0	17.71	19	15.55	155	.57	10.81	2.3		22	0	230	.12	23	2.7	.4	DIS
		30	011	20.92	19	22.95	155	15.42	2.00	1.0		11	0	114	.19	3	1.3	.0	KOA
		30	3 6	21.85	19	23.15	155	15.10	2.00	1.0		12	0	110	.21	3	1.5	.0	SPC
		30	1026	23.78	19	22.77	155	1.77	3.60			15	0	201	.15	14	1.5	2.1	MER
		30	1046	59.17	19	25.18	155	17.34	12.39			15	0	117	.08	3	1.1	.4	LPC
		30	1244	8.55	19	25.56	155	16.60	17.92	1.8		19	0	73	.11	4	1.0	1.6	DEP
		30	1257	1.43	19	20.50	155	6.69	7.43	1.9		19	0	101	.10	7	.8	2.3	UER
		30	17 9	44.68	19	42.55	155	2.61	1.97	2.8		20	0	205	.19	37	3.2	23.4	HIL
		30	18 1	17.66	19	7.67	155	13.28	6.45	2.2		17	0	236	.15	21	4.1	18.3	PPL
		30	1918	1.58	19	26.01	155	16.10	.73	.5		9	0	198	.10	5	1.1	.4	SPC
		30	2153	41.40	19	22.24	155	3.57	5.71	2.0		16	0	160	.14	12	1.5	3.3	MER
		31	10 7	40.59	19	17.95	155	3.28	11.53	2.1		16	0	261	.10	19	4.2	.5	MER
		31	1347	35.59	19	25.48	155	30.34	8.17	2.0		15	0	106	.09	15	.9	2.4	MOK
		31	1418	15.42	19	16.19	155	22.31	.39	1.8		21	0	134	.14	8	1.0	80.7	SWR
		31	17 1	34.48	19	22.27	155	25.30	6.43	2.0		21	0	73	.13	10	.8	2.1	UKF
		31	1910	35.78	19	21.08	155	3.07	5.99	2.0		15	0	170	.14	12	2.9	4.5	MER
	JUN	1	5 1	30.10	19	22.17	155	1.23	6.22	2.1		23	0	217	.17	15	2.0	2.6	MER
		1	6 0	28.77	19	3.57	155	23.54	35.38	2.5		30	0	203	.10	30	1.5	2.9	LSW
		1	623	34.64	19	54.27	155	8.45	30.21	2.6		16	0	220	.12	56	2.5	4.8	KKU
		1	939	39.92	19	25.62	155	16.11	.71	1.2		14	0	127	.11	3	.5	.3	SPC
		1	1353	36.36	19	19.05	154	57.96	11.21	2.4		16	0	236	.10	20	2.8	.4	DIS
		1	1513	.58	19	21.57	155	5.93	5.99	2.1		23	0	107	.13	9	.8	1.7	MER
		2	251	1.49	19	19.67	155	12.40	8.57			14	0	82	.05	6	.5	1.4	UER
		2	612	11.69	19	19.48	155	10.42	8.54	2.1		24	0	97	.10	7	.7	1.3	UER
		2	620	38.17	19	23.65	155	12.57	28.11			26	0	110	.08	6	1.0	1.4	DEP
		2	820	42.35	19	17.88	155	13.34	6.64			12	0	92	.09	9	1.0	2.1	POL
		2	1232	52.40	19	24.69	155	17.36	13.55	1.9		11	0	76	.09	2	1.8	2.5	DEP
		2	1344	51.50	19	52.17	155	4.12	36.00	3.0		22	0	236	.13	40	6.2	9.0	KKU
		2	1441	28.54	19	16.17	155	2.77	3.90	2.1		15	0	242	.16	16	3.4	1.8	MER
		2	1444	28.75	19	20.76	155	11.18	7.81	1.7		20	0	94	.12	8	.8	1.3	UER
		2	1448	23.42	19	20.88	155	10.05	12.51			12	0	100	.08	7	1.4	.5	UER
		2	1737	41.06	19	11.76	155	5.38	9.77	2.5		24	0	248	.18	17	3.7	.9	DIS
		2	2113	18.70	19	25.05	155	17.52	8.65	1.3		13	0	81	.08	5	.8	1.3	LPC
		2	2153	.73	19	19.94	155	14.17	29.45			10	0	118	.06	9	1.5	3.6	DEP
		2	2258	43.12	19	24.92	155	18.11	8.63	1.3		14	0	88	.13	3	1.3	2.4	LPC
		2	2319	12.89	19	20.81	155	12.51	8.40	1.6		21	0	65	.07	7	.4	.7	UER
		3	0 0	54.99	19	23.68	155	17.67	10.56	1.7		12	0	87	.15	3	2.0	7.7	LPC
		3	0 8	51.79	19	24.52	155	17.42	6.24	1.0		11	0	64	.10	2	1.0	2.1	LPC
		3	559	54.29	19	20.21	155	10.58	9.81			15	0	106	.07	7	.7	3.0	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	3	622	45.97	19	22.23	155	21.55	11.55			20	0	57	.10	8	.7	.4	UKF
		3	827	32.87	19	19.02	155	17.65	34.31	2.4		28	0	105	.10	7	1.0	2.0	DEP
		3	1239	13.49	19	21.47	155	4.29	3.54			17	0	134	.15	10	1.0	2.5	MER
		3	13 2	9.14	19	26.26	155	26.47	9.20	4.1		31	0	47	.17	10	.8	1.1	UKF
		3	1430	39.72	19	15.57	155	22.60	7.51	1.9		19	0	158	.08	9	.8	1.1	LSW
		3	1437	39.42	19	16.41	155	23.21	.91			18	0	142	.12	9	.9	27.6	SWR
		3	1727	18.65	19	22.93	155	3.02	3.09	2.0		17	0	175	.16	13	1.4	2.9	MER
		3	18 0	23.08	19	25.70	155	23.72	9.81	2.1		25	0	63	.16	8	.7	.7	UKF
		3	2229	13.16	19	18.89	155	8.38	7.92			13	0	86	.08	10	.9	2.2	POL
		3	2327	.16	19	18.93	155	8.38	9.08			14	0	86	.08	10	.9	2.1	POL
		4	221	41.78	19	21.65	155	8.05	9.06	1.8		18	0	86	.07	9	.6	1.6	UER
		4	756	1.46	19	26.19	155	25.95	8.06			16	0	85	.10	10	.8	2.5	UKF
		4	11 1	11.47	19	3.98	155	22.87	32.99	2.5		24	0	206	.09	27	1.8	3.1	LSW
		4	1359	25.78	19	20.89	155	28.83	9.00	1.9		20	0	63	.12	10	.7	1.1	HEA
		4	1657	46.67	19	18.50	155	13.13	7.43			19	0	89	.06	8	.4	.8	POL
		4	1930	29.30	19	17.88	155	13.30	7.47	3.4		19	0	95	.08	9	.6	1.0	POL
		4	1946	37.19	19	19.75	155	9.15	7.09	2.4		28	0	82	.13	9	.7	1.2	UER
		4	2014	18.45	19	20.30	155	7.71	6.07			19	0	89	.12	8	.8	1.9	UER
		5	032	32.87	19	19.42	155	9.66	8.82	1.8		16	0	95	.08	8	.7	1.7	UER
		5	2 0	41.15	19	20.28	155	10.52	6.97			16	0	81	.10	8	.7	1.9	UER
		5	2 9	53.89	19	20.23	155	10.48	6.89			16	0	81	.12	8	.9	2.3	UER
		5	525	19.70	19	22.29	155	18.62	11.30			17	0	65	.05	5	.4	1.0	KOA
		5	7 2	35.49	19	14.88	155	27.22	8.06	2.4		25	0	135	.14	14	1.1	1.2	LSW
		5	755	7.94	19	21.95	155	.58	6.74	2.1		22	0	230	.16	16	2.3	2.3	LER
		5	846	55.02	19	32.16	155	19.57	23.40	2.0		29	0	62	.10	13	.7	1.8	NER
		5	9 0	39.87	19	26.91	155	25.68	8.83			12	0	195	.08	9	1.7	3.7	UKF
		5	1550	39.01	19	20.09	155	9.66	6.87	1.8		21	0	80	.15	8	1.0	1.9	UER
		5	1557	3.98	19	20.56	155	11.60	7.00	1.7		20	0	85	.14	7	.8	1.3	UER
		5	16 5	30.61	19	23.28	155	.87	6.99	2.1		19	0	212	.15	16	1.8	2.0	LER
		5	1652	7.40	19	22.71	155	29.59	8.79	1.9		16	0	96	.11	13	.8	2.0	UKF
		5	2114	45.02	19	17.98	155	16.88	9.69	2.5		29	0	122	.12	6	.7	.4	KOA
		5	2326	21.88	19	19.80	155	12.81	10.84	1.7		20	0	75	.10	7	.9	2.8	UER
		5	2340	38.77	19	26.41	155	26.76	7.39	2.0		24	0	70	.13	11	.7	2.6	UKF
		5	2345	23.74	19	26.56	155	26.69	7.92	1.8		15	0	95	.10	11	.8	2.4	UKF
		6	247	6.59	19	28.04	155	35.84	.10	2.7		19	0	88	.15	22	1.1	1.3	MOK
		6	4 0	55.39	19	24.41	155	28.14	7.98			17	0	133	.11	13	.8	2.4	UKF
		6	9 4	31.91	19	20.56	155	10.95	6.95			21	0	76	.12	8	.6	1.2	UER
		6	947	15.36	19	20.59	155	8.14	7.91	2.8		25	0	79	.15	9	.8	1.0	UER
		6	14 5	12.11	19	20.55	155	13.12	8.06			17	0	63	.06	6	.5	.7	UER
		6	15 2	9.06	19	25.89	155	28.47	10.58			15	0	129	.11	14	1.3	.9	UKF
		6	1514	47.26	19	20.72	155	25.92	9.02			10	0	130	.07	12	.9	.8	HEA
		7	843	39.58	19	39.95	155	6.58	9.50			15	0	109	.14	31	1.0	.9	HIL
		7	858	8.74	19	12.34	155	37.09	9.90			16	0	112	.20	25	1.7	1.0	HEA
		7	926	27.07	19	12.42	155	37.85	9.83	2.7		26	0	108	.17	26	1.3	.5	HEA
		7	10 4	15.75	19	20.73	155	33.08	24.77			13	0	183	.15	24	3.4	5.8	HEA
		7	1154	50.75	19	28.06	155	26.56	10.07	2.1		14	0	88	.12	14	1.1	8.3	UKF
		7	1411	36.14	19	22.47	155	1.98	7.49	2.6		18	0	198	.14	14	1.8	2.5	MER
		7	2333	40.58	19	17.29	155	29.41	53.31			16	0	83	.09	12	1.7	3.6	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	7	2353	39.51	19	18.62	155	15.54	8.18			15	0	128	.04	6	.4	.5	KOA
		7	2356	3.75	19	29.81	155	27.26	11.21	1.9		11	0	183	.07	13	1.3	.5	NER
		8	037	3.85	19	16.74	155	29.49	33.06			22	0	88	.12	13	1.7	3.5	HEA
		8	428	11.14	19	22.36	155	24.40	11.12			13	0	95	.05	9	.7	2.1	UKF
		8	434	37.78	19	16.05	154	50.90	7.48			10	0	299	.13	47	25.4	9.3	DIS
		8	754	37.61	19	53.85	155	8.12	40.76			26	0	243	.12	36	4.2	7.2	KKU
		8	825	56.24	19	19.32	155	15.45	8.19			19	0	140	.13	6	1.3	1.9	KOA
		8	826	47.30	19	18.83	155	15.53	8.76			18	0	121	.10	6	.7	1.0	KOA
		8	10 4	19.29	19	22.82	155	24.69	9.92	2.3		22	0	53	.09	9	.6	.4	UKF
		8	1218	30.63	19	19.47	155	11.95	7.40			16	0	91	.06	6	.5	.8	UER
		9	629	13.17	19	12.51	155	21.02	7.86			8	0	318	.14	20	36.6	15.5	LSW
		9	11 9	20.02	19	22.38	155	4.67	4.37	1.9		15	0	88	.12	11	.9	1.6	MER
		9	23 3	40.25	19	18.73	155	12.96	9.31	1.7		17	0	90	.09	8	.8	1.8	POL
		10	032	16.22	19	9.33	155	41.41	7.87	2.8		16	0	130	.23	23	1.6	2.2	HEA
		10	1239	23.34	17	41.90	153	53.85	46.41			9	0	349	.39	232	98.3	98.1	DIS
		10	2359	41.65	19	54.63	155	46.05	28.57	3.2		30	0	158	.13	35	1.3	4.2	KON
		11	416	31.58	19	26.30	155	25.14	8.08	2.3		29	0	68	.14	8	.7	1.1	UKF
		11	438	36.33	19	24.60	155	17.34	8.13	1.2		12	0	67	.08	2	1.0	2.0	LPC
		11	6 3	12.92	19	22.92	155	25.73	9.53	2.1		25	0	53	.13	11	.7	1.0	UKF
		11	717	13.39	19	25.19	155	17.68	13.24	1.5		11	0	78	.06	3	1.2	2.4	DEP
		11	813	18.93	19	24.34	155	18.75	4.85	1.2		10	0	87	.10	3	1.4	3.5	SPC
		11	1052	29.23	19	24.56	155	18.08	6.19	1.0		11	0	76	.10	3	1.4	1.9	LPC
		11	1154	58.54	19	22.18	155	3.99	3.64	2.0		17	0	154	.16	11	1.3	2.4	MER
		11	14 2	36.05	19	24.59	155	17.41	7.21	1.1		10	0	98	.10	2	1.6	2.2	LPC
		11	15 9	36.12	19	23.36	155	17.51	6.18	1.1		11	0	153	.13	5	1.9	1.8	LPC
		11	1636	2.71	19	24.96	155	17.59	3.68	1.0		13	0	122	.16	3	1.4	3.0	SPC
		11	18 6	43.20	19	24.42	155	17.29	8.64	1.7		15	0	54	.08	2	.7	1.1	LPC
		11	19 7	13.02	19	17.17	155	12.98	9.05	1.8		22	0	154	.09	9	.6	.8	POL
		11	1930	15.45	19	25.05	155	18.00	7.51	1.2		11	0	93	.12	3	1.9	3.1	LPC
		11	2132	34.91	19	24.27	155	18.00	7.42	1.5		14	0	78	.11	2	1.0	1.6	LPC
		11	2135	7.94	19	25.31	155	17.84	7.48	1.1		14	0	118	.11	3	1.2	1.8	LPC
		11	22 8	59.44	19	24.78	155	23.84	9.22	2.5		30	0	60	.13	8	.6	.8	UKF
		11	2251	6.00	19	25.14	155	17.18	13.08	1.5		12	0	130	.11	3	1.7	1.8	DEP
		12	137	44.88	19	22.78	155	22.96	10.42	1.9		20	0	84	.08	8	.5	.6	UKF
		12	3 1	54.56	19	18.92	155	15.74	6.78			16	0	119	.08	5	.7	1.6	KOA
		12	649	48.17	19	25.12	154	56.10	10.16	2.3		21	0	249	.11	25	2.5	.5	LER
		12	752	48.80	19	11.73	155	22.63	44.41			23	0	164	.08	16	1.4	3.2	LSW
		12	8 5	57.50	19	17.90	155	13.26	6.46			15	0	97	.09	9	.8	1.9	POL
		12	13 5	8.66	19	21.47	155	28.10	9.09	1.9		17	0	105	.08	10	.5	.7	HEA
		12	1738	5.82	19	22.58	155	17.51	32.38	2.7		32	0	32	.10	3	.8	1.4	DEP
		12	18 5	13.16	19	24.84	155	17.56	7.65	1.5		12	0	116	.11	5	1.4	2.5	LPC
		12	1835	33.76	19	24.39	155	17.69	6.92	1.6		15	0	74	.11	2	1.0	1.4	LPC
		12	20 5	40.60	19	24.41	155	18.07	8.07	1.5		11	0	74	.09	3	1.2	3.0	LPC
		12	2036	48.96	19	24.43	155	17.30	7.77	1.5		17	0	55	.09	2	.7	1.1	LPC
		12	2043	29.82	19	24.84	155	17.49	8.42	1.5		13	0	79	.11	2	1.4	2.2	LPC
		12	21 9	19.51	19	23.95	155	17.72	5.38	1.3		13	0	86	.08	2	.7	.9	SPC
		12	2116	3.84	19	24.51	155	17.99	7.91	1.2		11	0	73	.08	3	1.2	2.4	LPC
		12	2121	33.67	19	24.49	155	17.56	9.07	1.3		11	0	71	.06	2	1.0	2.4	LPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	13	423	27.82	19	24.13	155	17.58	5.85	1.0		13	0	80	.07	2	.6	1.0	SPC
		13	743	30.77	19	22.49	155	2.61	3.43			14	0	184	.13	13	1.5	2.4	MER
		13	10 1	11.32	19	24.28	155	17.42	7.55	1.6		12	0	76	.11	2	1.2	1.8	LPC
		13	1014	2.96	19	21.80	155	6.73	5.52			13	0	99	.17	8	1.3	3.3	UER
		13	1257	52.08	19	24.36	155	18.40	9.77	1.7		8	0	102	.09	3	2.1	4.6	LPC
		13	2242	10.31	19	18.60	155	13.31	9.06			11	0	142	.05	8	1.0	2.6	POL
		14	2 3	50.79	19	25.02	155	18.51	12.66	2.3		28	0	47	.08	3	.5	.2	LPC
		14	2014	9.31	19	18.92	155	15.54	7.83			20	0	118	.07	6	.5	.8	KOA
		15	026	35.58	19	22.97	155	30.09	9.91			18	0	114	.09	18	1.4	.8	MOK
		15	521	26.57	19	21.48	155	7.99	2.03			12	0	237	.08	13	2.1	99.0	UER
		15	1949	3.72	19	18.93	155	14.01	9.27	1.7		21	0	69	.10	7	.7	1.5	POL
		16	056	9.80	19	25.69	155	16.71	7.39	1.2		13	0	158	.06	2	.7	1.2	LPC
		16	119	59.26	19	16.26	155	23.62	5.81	1.9		14	0	141	.09	9	.9	2.3	SWR
		16	228	30.17	19	28.13	155	50.31	6.08	2.6		18	0	161	.14	25	1.0	1.1	KON
		16	440	8.60	19	18.50	155	13.22	8.88	2.0		25	0	86	.12	8	.8	1.0	POL
		16	448	39.64	19	12.16	155	22.81	51.38	2.9		22	0	161	.11	15	2.0	3.7	LSW
		16	736	17.66	19	15.19	155	18.98	28.17	2.2		22	0	170	.07	12	1.0	1.4	HLP
		16	759	15.98	19	58.09	155	27.74	33.34	2.7		26	0	185	.09	38	1.1	2.3	KKU
		16	1141	22.59	20	5.56	155	20.78	38.45	2.8		24	0	227	.09	45	1.3	2.2	DIS
		16	1255	25.45	19	15.89	154	59.61	45.09			26	0	250	.11	27	3.7	3.8	DIS
		16	1338	2.76	19	18.79	155	14.87	6.71	1.6		17	0	114	.09	7	.7	1.6	POL
		16	1338	41.57	19	19.00	155	15.48	5.90	1.6		19	0	115	.14	6	.9	2.1	KOA
		16	1958	5.18	19	22.53	155	30.26	9.04	2.0		14	0	146	.11	13	1.0	2.3	MOK
		16	2020	49.20	19	25.95	155	28.21	9.50	1.9		18	0	115	.13	13	.9	5.5	UKF
		16	2034	48.61	19	43.23	156	4.13	26.66			17	0	236	.11	54	2.0	5.0	KON
		16	23 1	31.00	19	56.97	155	12.86	35.73	2.7		30	0	216	.12	32	2.1	3.3	KKU
		17	436	35.72	19	24.96	155	25.45	11.30	1.8		14	0	163	.03	10	.8	3.0	UKF
		17	649	53.26	19	20.16	155	11.11	11.21			13	0	120	.05	8	.7	2.7	UER
		17	717	35.21	19	42.56	155	28.78	8.26	2.7		20	0	169	.30	25	2.9	2.4	KKU
		17	1230	19.32	19	19.98	154	59.02	.96	2.2		15	0	277	.15	25	7.1	25.2	DIS
		17	1246	13.06	19	19.33	155	10.26	12.16			14	0	103	.04	7	.6	.3	UER
		17	1324	29.28	19	20.11	155	19.59	3.96	1.4		9	0	110	.06	7	.7	3.2	SWR
		17	1440	39.31	19	38.19	155	4.57	5.67	2.7		14	0	150	.10	30	10.5	77.0	BLS
		18	549	2.72	19	18.58	155	13.27	8.21			20	0	194	.07	8	.7	.8	POL
		18	615	46.89	19	12.96	155	28.75	6.59	2.1		16	0	103	.14	15	1.2	2.4	LSW
		18	922	24.44	19	18.54	155	13.30	9.05	1.7		21	0	194	.09	8	1.0	.8	POL
		18	1810	6.78	19	26.25	155	37.29	4.88	2.9		14	0	203	.10	21	2.1	2.1	MOK
		18	21 6	33.29	19	25.31	155	24.77	8.99	1.7		17	0	67	.07	9	.5	1.4	UKF
		19	443	52.12	19	22.93	155	25.17	8.94	2.7		31	0	44	.14	10	.7	.9	UKF
		19	5 5	42.44	19	22.71	155	25.16	9.73	4.8		31	0	46	.13	10	.7	.5	UKF
		19	511	13.87	19	22.92	155	26.11	7.44	3.6		27	0	51	.17	11	.9	1.4	UKF
		19	517	9.93	19	22.35	155	25.31	8.57	2.0		27	0	70	.15	10	.9	1.1	UKF
		19	520	3.72	19	22.59	155	25.68	7.97	2.3		26	0	73	.12	11	.7	1.2	UKF
		19	523	17.38	19	22.57	155	25.12	7.56	2.1		28	0	52	.14	10	.7	1.5	UKF
		19	524	41.22	19	22.71	155	24.92	9.14			15	0	107	.05	9	.5	1.1	UKF
		19	526	39.13	19	21.75	155	25.64	9.14	2.5		26	0	68	.14	10	.9	1.1	HEA
		19	529	15.19	19	22.80	155	25.40	8.54	2.6		30	0	47	.14	12	.7	1.0	UKF
		19	533	3.73	19	23.02	155	25.33	8.68	3.6		31	0	44	.13	10	.6	.9	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	19	535	38.52	19	22.45	155	26.10	8.11	2.1		25	0	74	.14	11	.8	1.5	UKF
		19	536	14.50	19	22.12	155	26.39	8.02	2.3		25	0	76	.14	11	.8	1.3	UKF
		19	539	29.79	19	22.84	155	24.71	6.72	1.9		24	0	70	.11	9	.7	1.7	UKF
		19	543	32.11	19	22.67	155	24.89	6.36	1.9		26	0	52	.14	9	.8	2.1	UKF
		19	544	3.13	19	22.68	155	25.15	6.98	2.0		25	0	71	.12	10	.7	1.8	UKF
		19	545	48.51	19	22.66	155	26.03	6.34	2.0		24	0	75	.14	11	.9	1.8	UKF
		19	547	33.11	19	22.45	155	25.50	6.51	1.7		13	0	98	.09	10	.8	1.9	UKF
		19	548	49.05	19	22.25	155	25.27	5.86			21	0	79	.13	10	.8	2.3	UKF
		19	549	22.21	19	22.26	155	24.73	6.98	1.7		17	0	79	.15	9	1.0	3.1	UKF
		19	554	25.14	19	21.85	155	23.84	5.77	1.6		20	0	72	.16	8	.9	2.7	SWR
		19	558	10.43	19	20.83	155	24.92	7.78	1.7		20	0	78	.10	9	.6	1.4	SWR
		19	559	10.18	19	21.70	155	25.55	5.50			20	0	65	.13	10	.7	1.2	HEA
		19	6	0 57.13	19	22.85	155	25.49	7.66	2.0		24	0	53	.12	10	.7	1.7	UKF
		19	6	2 20.28	19	22.12	155	25.23	7.51	1.7		22	0	55	.14	10	.8	2.0	UKF
		19	611	32.44	19	21.93	155	25.33	7.89			19	0	59	.14	10	.9	2.2	HEA
		19	615	55.92	19	22.39	155	26.48	6.38	1.7		14	0	107	.09	11	.9	1.8	UKF
		19	624	3.20	19	21.96	155	25.37	10.37			16	0	106	.07	10	.7	2.4	HEA
		19	631	35.69	19	22.40	155	25.09	8.31			19	0	94	.11	10	.8	1.9	UKF
		19	645	59.49	19	22.62	155	25.18	5.99	1.7		19	0	112	.12	10	.8	2.3	UKF
		19	651	1.80	19	22.81	155	25.31	9.91	1.7		23	0	52	.13	10	.7	1.0	UKF
		19	653	23.65	19	22.93	155	25.19	7.66			21	0	53	.12	10	.7	1.9	UKF
		19	657	8.70	19	22.31	155	24.30	9.18	1.7		19	0	83	.07	8	.5	1.2	UKF
		19	7	6 35.94	19	21.35	155	25.82	8.83	1.8		24	0	73	.13	12	.8	1.1	HEA
		19	7	7 56.21	19	22.56	155	25.78	9.25	1.8		24	0	54	.14	11	.9	1.4	UKF
		19	725	16.93	19	22.28	155	24.73	8.08			15	0	91	.09	9	.7	1.7	UKF
		19	736	26.07	19	22.06	155	25.09	7.15	1.7		23	0	54	.12	10	.7	1.8	UKF
		19	742	12.17	19	23.33	155	25.13	7.37	2.0		24	0	55	.13	10	.8	2.1	UKF
		19	743	16.43	19	22.94	155	25.52	7.36	2.2		23	0	53	.11	10	.6	1.8	UKF
		19	755	27.48	19	22.65	155	25.49	7.77	1.7		25	0	52	.13	10	.8	1.9	UKF
		19	8	7 51.63	19	22.43	155	25.10	8.55	3.1		31	0	49	.16	10	.8	1.0	UKF
		19	817	40.54	19	22.23	155	24.87	9.58			8	0	227	.05	12	1.7	5.5	UKF
		19	836	48.27	19	21.59	155	25.79	7.86			16	0	118	.15	11	1.3	2.7	HEA
		19	840	20.44	19	22.43	155	25.87	5.52			20	0	102	.10	11	.8	1.8	UKF
		19	9	0 23.07	19	22.49	155	26.56	8.72			9	0	144	.07	12	2.9	4.9	UKF
		19	9	4 3.74	19	21.00	155	24.61	5.53			10	0	175	.06	10	.9	1.3	SWR
		19	911	43.57	19	23.25	155	24.14	2.75	1.7		24	0	99	.15	10	.8	2.7	UKF
		19	918	16.69	19	22.45	155	23.77	7.27	1.6		16	0	93	.12	7	.9	2.6	UKF
		19	919	41.07	19	22.04	155	26.87	8.57	1.8		12	0	184	.08	13	3.0	4.2	UKF
		19	923	14.20	19	23.01	155	24.73	7.38	1.6		14	0	112	.08	9	.7	1.8	UKF
		19	924	39.79	19	21.82	155	26.23	7.01			16	0	116	.09	12	.7	1.5	HEA
		19	926	7.88	19	21.85	155	26.14	6.30			12	0	115	.10	12	1.0	1.9	HEA
		19	928	43.88	19	21.60	155	26.15	7.78	1.8		22	0	68	.13	10	.8	1.8	HEA
		19	930	37.72	19	22.41	155	25.05	9.26	2.2		27	0	51	.14	10	.8	1.3	UKF
		19	935	6.03	19	22.11	155	25.61	9.41			10	0	151	.07	11	2.0	4.3	UKF
		19	938	35.56	19	21.02	155	24.82	5.99	1.7		13	0	82	.07	9	.6	1.4	SWR
		19	940	.13	19	21.05	155	24.74	5.54			9	0	176	.07	10	1.4	2.3	SWR
		19	955	16.70	19	20.96	155	24.50	4.88	1.6		12	0	136	.09	10	.8	1.5	SWR
		19	955	52.30	19	22.15	155	27.24	9.03	1.8		10	0	196	.06	14	3.1	4.4	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	19	958	33.18	19	22.54	155	23.99	6.36	1.6		10	0	105	.07	8	.9	3.1	UKF
		19	10 2	32.91	19	22.42	155	24.98	6.67	1.7		14	0	83	.08	10	.6	1.7	UKF
		19	1019	42.96	19	22.74	155	24.94	7.91	1.7		19	0	70	.10	9	.7	1.7	UKF
		19	1021	3.22	19	21.59	155	25.53	8.55	1.7		10	0	67	.08	14	.8	1.8	HEA
		19	1036	26.91	19	21.99	155	25.39	8.22	1.7		16	0	91	.13	10	1.1	2.2	HEA
		19	11 0	51.35	19	22.79	155	25.52	11.08			10	0	121	.07	10	2.2	7.9	UKF
		19	1121	8.69	19	22.47	155	26.52	7.49	1.8		17	0	86	.09	11	.6	1.7	UKF
		19	1133	35.59	19	20.79	155	25.52	8.74	1.8		16	0	81	.10	8	.6	.9	HEA
		19	1155	59.86	19	21.39	155	26.45	7.23	1.8		15	0	123	.09	15	.8	1.6	HEA
		19	12 8	59.80	19	21.59	155	25.69	8.53			15	0	68	.11	10	.9	1.8	HEA
		19	1216	58.88	19	22.26	155	24.54	7.24			11	0	124	.06	9	.7	1.4	UKF
		19	1235	58.56	19	22.78	155	24.75	7.46	1.6		16	0	84	.10	9	.7	1.8	UKF
		19	1239	44.84	19	22.09	155	24.76	8.03	1.8		19	0	54	.08	9	.6	1.4	UKF
		19	1255	37.60	19	21.98	155	25.21	8.52	2.1		23	0	57	.14	10	.8	1.3	HEA
		19	13 3	5.33	19	22.47	155	25.55	7.51	1.7		17	0	99	.10	10	.8	1.7	UKF
		19	1328	53.28	19	22.28	155	24.42	9.17	1.7		11	0	86	.05	9	.6	1.5	UKF
		19	1342	54.00	19	22.20	155	24.87	7.34	1.7		16	0	94	.12	9	.9	2.2	UKF
		19	1359	37.16	19	22.75	155	25.35	7.85	1.7		11	0	112	.07	10	.8	1.7	UKF
		19	14 0	7.64	19	22.34	155	25.18	6.42	1.7		11	0	99	.08	10	.9	2.7	UKF
		19	14 4	27.10	19	24.21	155	23.47	11.76	1.7		13	0	115	.02	8	.3	.3	UKF
		19	1423	56.16	19	26.26	155	29.97	7.83	1.9		19	0	69	.13	13	.9	3.4	UKF
		19	1437	11.02	19	21.57	155	24.73	6.52	1.7		15	0	77	.10	10	.8	1.3	SWR
		19	1438	57.68	19	22.48	155	27.78	8.37	1.8		12	0	82	.08	11	.7	1.6	UKF
		19	1531	8.71	19	23.86	155	27.33	5.95	1.8		13	0	181	.08	13	.8	1.2	UKF
		19	1537	4.01	19	21.42	155	25.76	9.87	1.8		13	0	121	.06	11	.6	2.0	HEA
		19	1541	55.02	19	22.22	155	24.77	7.39	1.7		11	0	130	.06	9	.9	2.4	UKF
		19	1615	42.07	19	21.44	155	24.39	5.64			10	0	149	.08	12	1.4	2.7	SWR
		19	1623	17.51	19	21.81	155	24.82	8.29	1.7		11	0	101	.06	10	.5	1.4	SWR
		19	1643	32.69	19	21.44	155	25.70	8.35	1.8		12	0	120	.07	11	.7	1.6	HEA
		19	17 5	24.25	19	20.59	155	25.04	7.62			10	0	195	.05	11	1.2	1.8	HEA
		19	1739	14.54	19	21.12	155	25.37	8.67	1.8		16	0	125	.08	11	.7	1.0	HEA
		19	1744	48.42	19	23.08	155	24.43	6.70	1.6		10	0	100	.09	8	1.2	4.1	UKF
		19	1812	58.13	19	21.66	155	24.61	9.97			10	0	147	.06	9	1.4	5.2	SWR
		19	1813	2.69	19	22.59	155	24.84	7.91	1.8		17	0	69	.11	12	.8	2.3	UKF
		19	1819	31.29	19	20.93	155	25.80	8.60			11	0	127	.08	12	.9	1.9	HEA
		19	1834	21.27	19	22.01	155	25.08	7.68	1.7		12	0	101	.08	10	.7	1.7	UKF
		19	19 3	50.22	19	22.36	155	24.86	8.90			11	0	98	.07	9	.8	1.9	UKF
		19	20 2	38.43	19	22.93	155	25.06	7.59	1.8		24	0	53	.11	9	.6	1.1	UKF
		19	2116	30.40	19	30.75	155	46.78	7.48	2.5		16	0	193	.09	29	1.4	.8	KUN
		19	2120	.82	19	22.36	155	27.45	8.36	1.8		17	0	80	.08	11	.6	1.5	UKF
		19	2122	41.07	19	22.45	155	24.76	7.57	1.8		23	0	51	.09	9	.5	1.4	UKF
		19	2124	45.67	19	23.04	155	24.40	8.22	1.8		27	0	53	.12	8	.6	.9	UKF
		19	2127	20.12	19	21.12	155	24.60	6.83			10	0	116	.06	10	.7	1.6	SWR
		19	2128	8.33	19	22.22	155	25.39	7.99	1.7		21	0	70	.10	10	.7	1.5	UKF
		19	2151	.82	19	23.89	155	24.05	9.57			16	0	104	.04	8	.3	1.9	UKF
		19	2153	47.76	19	22.85	155	25.06	9.00	2.3		27	0	53	.11	10	.5	.8	UKF
		19	2158	44.44	19	22.63	155	25.75	6.42			14	0	90	.09	11	.7	1.3	UKF
		19	22 1	43.78	19	22.43	155	25.13	5.85			12	0	130	.10	10	1.2	2.8	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	19	2215	28.55	19	25.60	155	24.97	9.12	1.7		15	0	91	.04	10	.4	1.2	UKF
		19	2225	12.25	19	21.70	155	26.34	6.91			10	0	119	.09	12	1.0	2.0	HEA
		19	2230	5.16	19	23.15	155	25.17	7.45	1.8		24	0	54	.12	10	.7	1.2	UKF
		19	23	5 44.87	19	21.29	155	25.13	5.53			11	0	100	.08	11	.6	2.9	HEA
		19	23	8 21.70	19	20.79	155	25.39	9.36	1.8		10	0	113	.07	8	.8	1.1	HEA
		19	2313	7.31	19	22.55	155	24.31	8.02			11	0	111	.06	8	.6	1.7	UKF
		19	2357	57.31	19	18.93	155	47.63	7.34	2.5		16	0	171	.10	28	1.3	.9	KON
		19	2358	27.69	19	19.70	155	48.04	7.00	2.8		20	0	98	.12	22	1.0	1.0	KON
		20	0	2 43.99	19	22.98	155	26.90	5.32	1.7		10	0	151	.10	13	1.0	1.1	UKF
		20	0	4 27.46	19	22.21	155	24.25	8.93	1.7		17	0	83	.07	8	.6	1.3	UKF
		20	0	6 52.99	19	22.51	155	26.16	8.45	3.1		32	0	54	.16	11	.7	1.0	UKF
		20	0	9 43.20	19	22.00	155	26.15	4.41	1.7		15	0	69	.12	12	.9	1.7	UKF
		20	010	.22	19	22.48	155	24.77	7.21	1.8		26	0	51	.13	9	.7	1.5	UKF
		20	029	11.71	19	22.59	155	24.49	9.08			11	0	114	.05	9	.7	2.5	UKF
		20	047	37.70	19	21.92	155	24.82	8.46			12	0	142	.07	10	.9	1.7	SWR
		20	1	1 30.53	19	21.54	155	25.29	8.61			13	0	99	.07	10	.7	1.5	HEA
		20	135	51.03	19	22.28	155	24.78	7.23			11	0	129	.06	9	.7	1.8	UKF
		20	156	50.23	19	21.62	155	25.35	7.75	1.7		12	0	113	.07	11	.6	1.5	HEA
		20	3	3 41.16	19	20.65	155	25.28	7.56			13	0	112	.06	8	.5	.9	HEA
		20	318	38.14	19	22.47	155	24.13	10.30			11	0	96	.05	8	.5	2.9	UKF
		20	330	1.41	19	21.25	155	25.55	7.90			10	0	110	.06	9	1.0	2.0	HEA
		20	345	28.36	19	22.43	155	25.87	6.48	1.7		15	0	73	.08	11	.6	1.4	UKF
		20	4	1 24.18	19	22.20	155	26.88	10.14			10	0	173	.05	13	2.4	5.4	UKF
		20	4	2 20.73	19	22.15	155	25.62	7.54	1.7		13	0	96	.10	11	1.0	1.9	UKF
		20	429	46.63	19	22.91	155	25.21	7.81	2.1		25	0	53	.15	10	.8	1.3	UKF
		20	439	54.47	19	21.93	155	25.77	11.69			10	0	161	.05	11	1.8	5.4	HEA
		20	453	46.85	19	22.23	155	26.04	8.01	2.5		28	0	58	.13	11	.7	1.3	UKF
		20	532	1.35	19	22.93	155	26.63	8.02	2.5		28	0	52	.14	12	.7	1.2	UKF
		20	549	51.08	19	22.36	155	24.76	5.84	1.6		11	0	146	.09	12	.8	2.3	UKF
		20	558	36.88	19	18.42	155	18.06	32.07	2.2		27	0	118	.12	8	1.3	2.0	DEP
		20	7	4 39.51	19	21.82	155	25.26	8.00	1.7		12	0	68	.09	10	.8	2.0	HEA
		20	714	48.67	19	20.92	155	24.89	6.82			8	0	126	.03	10	.4	.9	SWR
		20	744	15.11	19	22.35	155	25.88	5.99	1.7		13	0	104	.08	11	.7	1.5	UKF
		20	749	51.32	19	21.28	155	26.00	8.38			10	0	193	.06	12	1.4	2.1	HEA
		20	814	57.40	19	22.31	155	24.80	7.61			9	0	178	.08	12	1.6	3.2	UKF
		20	1210	41.21	19	21.92	155	25.73	8.19	1.7		10	0	161	.07	11	2.0	4.0	HEA
		20	13	7 14.89	19	25.48	155	29.00	9.21	1.9		20	0	64	.12	14	.8	2.4	UKF
		20	1525	39.41	19	18.96	155	13.90	8.46			14	0	89	.06	7	.6	1.3	POL
		20	1526	39.08	19	22.74	155	24.46	8.80			10	0	103	.05	9	.6	1.4	UKF
		20	1558	7.10	19	21.82	155	24.97	9.47	1.7		15	0	103	.08	10	.6	.9	SWR
		20	1634	10.33	19	24.94	155	26.27	4.61	2.1		20	0	88	.16	10	.9	2.0	UKF
		20	1722	30.26	19	22.57	155	24.72	9.45	2.0		18	0	85	.07	9	.6	1.3	UKF
		20	1724	47.02	19	20.14	155	12.55	8.67			22	0	73	.13	6	.9	1.8	UER
		20	1736	44.53	19	20.10	155	8.03	5.96			19	0	86	.17	9	1.1	2.4	UER
		20	1821	33.69	19	21.61	155	25.57	9.91			15	0	80	.10	10	1.0	3.5	HEA
		20	1910	7.12	19	22.57	155	26.14	8.47	1.8		23	0	54	.10	11	.6	1.5	UKF
		20	2019	51.60	19	22.22	155	25.33	9.30			13	0	101	.07	10	.7	1.8	UKF
		20	2036	56.94	19	20.60	155	13.45	7.65			17	0	62	.06	7	.5	.7	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	20	2047	32.32	19	22.16	155	25.11	8.04			19	0	99	.08	10	.6	1.4	UKF
		20	2050	26.50	19	20.21	155	12.73	9.21	4.3		31	0	70	.12	6	.6	.8	UER
		20	21 7	12.15	19	17.22	155	19.26	11.62			16	0	135	.10	9	.9	.5	SWR
		21	346	23.86	19	12.07	156	20.49	57.58	2.5		7	0	296	.15	75	30.3	16.7	DIS
		21	658	44.17	19	21.60	155	26.54	7.15			12	0	120	.08	13	.8	1.6	HEA
		21	841	53.03	19	21.89	155	24.09	8.60			11	0	124	.05	8	.6	.8	SWR
		21	1437	26.84	19	21.91	155	25.23	8.13	2.3		17	0	88	.10	10	.8	1.0	HEA
		21	15 7	54.70	19	26.02	155	13.99	25.51			15	0	98	.07	6	.9	1.9	DEP
		21	1541	44.70	19	20.46	155	12.45	11.80			13	0	139	.06	7	1.5	3.8	UER
		21	1729	39.80	19	21.54	155	25.38	8.63			15	0	115	.06	11	.4	.7	HEA
		21	1928	41.80	19	22.96	155	29.69	8.47	2.4		27	0	48	.11	16	.6	1.5	UKF
		21	21 2	56.36	19	23.81	155	23.26	8.65			15	0	107	.05	8	.4	.7	UKF
		21	2214	22.24	19	19.77	155	13.49	7.32			21	0	70	.09	6	.5	.9	UER
		21	2233	16.17	19	22.24	155	25.00	9.02			19	0	78	.08	10	.5	1.3	UKF
		21	23 6	34.51	19	21.75	155	25.41	11.58			10	0	162	.13	11	3.7	12.0	HEA
		22	058	17.62	19	18.19	155	13.19	9.77	3.1		29	0	93	.09	8	.6	.4	POL
		22	1 4	44.04	19	22.10	155	24.73	10.37			16	0	92	.05	9	.5	1.8	UKF
		22	153	22.81	19	21.48	155	24.74	7.36			9	0	157	.04	10	.9	2.1	SWR
		22	157	31.00	19	18.51	155	13.14	12.23			10	0	161	.04	9	.6	2.8	POL
		22	2 2	13.36	19	18.01	155	13.02	9.59			16	0	105	.05	9	.5	2.1	POL
		22	2 6	43.94	19	20.42	155	13.61	8.27			15	0	65	.07	6	.6	1.8	UER
		22	2 9	13.70	19	18.18	155	13.48	8.23			21	0	82	.10	8	.8	1.6	POL
		22	215	8.75	19	18.09	155	13.20	9.12			18	0	95	.09	8	.8	1.9	POL
		22	224	8.25	19	17.79	155	12.90	7.49			13	0	120	.10	9	1.0	2.3	POL
		22	237	10.73	19	22.16	155	24.71	6.89			10	0	132	.08	9	1.5	4.0	UKF
		22	242	44.65	19	23.74	155	26.43	7.22			15	0	148	.08	12	.7	1.2	UKF
		22	3 8	29.79	19	19.79	155	13.33	16.55			10	0	67	.17	7	3.6	13.5	DEP
		22	314	7.72	19	21.45	155	25.70	7.61			16	0	72	.08	9	.6	1.4	HEA
		22	352	4.67	19	21.35	155	24.97	6.39			9	0	169	.06	10	1.3	2.6	SWR
		22	4 7	53.25	19	21.76	155	26.99	7.83			8	0	206	.07	13	3.7	4.9	HEA
		22	558	55.86	19	20.92	155	24.50	7.78			14	0	93	.07	9	.5	.9	SWR
		22	729	40.33	19	17.87	155	12.88	8.59			16	0	117	.09	9	.8	1.9	POL
		22	1131	38.01	19	20.05	155	9.07	8.92	1.8		15	0	76	.06	8	.6	1.5	UER
		22	1229	58.36	19	20.48	155	25.43	9.17	2.1		13	0	85	.06	8	.6	1.3	HEA
		22	1821	30.49	19	22.18	155	24.52	6.37	2.1		17	0	127	.07	9	.7	2.0	UKF
		22	1932	13.78	19	22.27	155	24.38	6.57	1.9		17	0	93	.10	9	.8	1.9	UKF
		22	1933	41.68	19	22.52	155	23.47	5.54	2.0		17	0	122	.10	11	.9	2.1	UKF
		22	1958	32.89	19	21.28	155	25.88	8.61	1.8		15	0	73	.08	9	.7	1.7	HEA
		22	2239	53.84	19	24.21	155	23.20	9.86			21	0	96	.13	8	.9	.7	UKF
		22	2345	51.18	19	22.65	155	24.40	5.42	2.7		19	0	52	.11	8	.6	.9	UKF
		23	037	52.35	19	9.21	155	13.30	6.53	2.1		21	0	239	.13	19	2.3	2.7	PPL
		23	144	23.13	19	18.59	155	15.59	8.17			13	0	130	.04	5	.4	1.1	KOA
		23	151	22.99	19	20.39	155	13.30	9.31			14	0	116	.03	6	.3	.8	UER
		23	4 8	16.36	19	20.20	155	20.31	3.83	1.4		17	0	125	.08	5	.5	2.7	SWR
		23	411	6.05	19	25.09	155	21.64	5.11	1.3		7	0	334	.27	9	92.4	55.5	UKF
		23	413	42.38	19	24.50	155	16.35	.55	.8		10	0	85	.08	2	.3	.3	SPC
		23	524	45.07	19	21.38	155	30.46	8.94	2.0		19	0	102	.15	15	1.0	1.8	HEA
		23	612	42.15	19	22.51	155	25.08	7.10	1.7		14	0	67	.11	10	.7	2.0	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	23	616	44.64	19	17.73	155	14.23	6.07			12	0	138	.07	8	.6	1.7	POL
		23	650	7.61	19	23.77	155	26.71	9.09			17	0	136	.09	12	.8	1.0	UKF
		23	754	47.29	19	28.70	155	28.09	7.53	1.9		12	0	162	.05	13	.6	2.1	UKF
		23	8	2 19.03	19	21.93	155	26.42	7.98			13	0	89	.11	12	1.1	1.9	HEA
		23	926	40.16	19	24.01	155	15.79	1.48			10	0	65	.04	3	.2	.1	SPC
		23	1342	36.23	19	55.00	155	7.94	43.87			17	0	269	.13	46	19.0	28.5	KKU
		23	1435	35.49	19	19.17	155	17.51	31.55	2.2		25	0	102	.09	7	1.1	1.7	DEP
		23	1732	9.28	19	24.99	155	17.15	.77	2.1		16	0	114	.19	2	.8	.4	SPC
		23	1847	53.88	19	22.79	155	24.58	9.19	1.7		19	0	69	.06	9	.4	1.0	UKF
		23	1859	31.21	19	18.93	155	11.03	11.62			13	0	112	.04	6	.4	.3	POL
		23	2013	14.75	19	24.64	155	17.95	2.26	1.4		12	0	75	.09	3	.6	3.6	SPC
		23	2058	27.01	19	19.13	155	10.62	9.68			16	0	107	.05	6	.5	2.4	UER
		23	2134	27.60	19	10.60	155	7.90	46.99			26	1	212	.12	21	2.6	2.0	POL
		23	2148	27.33	19	25.30	155	23.43	9.28	2.2		19	0	127	.05	8	.4	1.2	UKF
		23	2232	32.94	19	20.30	155	11.84	9.26	2.0		26	0	77	.12	7	.7	1.4	UER
		23	2325	54.72	19	24.20	155	17.26	1.00	.7		10	0	98	.12	2	.5	.6	SPC
		23	2359	31.16	19	19.34	155	11.52	9.09			14	0	98	.06	7	.6	2.0	UER
		24	018	5.87	19	24.14	155	17.29	15.91	1.7		27	0	45	.05	2	.4	.5	DEP
		24	225	57.90	19	22.90	155	24.59	9.72	2.4		30	0	53	.11	9	.6	.3	UKF
		24	323	59.14	19	19.31	155	15.60	7.59			21	0	91	.08	6	.5	1.1	KOA
		24	450	14.63	19	21.98	155	26.20	8.40	2.1		26	0	62	.16	10	.9	1.5	HEA
		24	937	51.29	19	22.41	155	27.56	9.27	1.8		18	0	80	.11	11	.8	1.6	UKF
		24	1113	57.02	19	23.74	155	23.79	10.55	2.2		22	0	56	.06	7	.4	.3	UKF
		24	1230	2.19	19	17.98	155	13.42	7.05	1.7		17	0	87	.08	9	.6	1.2	POL
		24	1335	31.96	19	21.36	155	13.16	7.81	2.5		25	0	55	.13	6	.7	1.0	UER
		24	1612	23.28	19	22.40	155	26.26	6.37	1.7		13	0	147	.08	12	1.0	1.3	UKF
		24	1612	49.77	19	22.60	155	24.60	5.86	1.8		16	0	85	.10	9	.5	1.9	UKF
		24	1849	19.12	19	18.00	155	14.98	4.35	1.6		16	0	111	.09	6	.6	1.3	POL
		24	2019	6.87	19	22.27	155	24.64	6.91			11	0	126	.07	9	.9	2.2	UKF
		24	2019	40.91	19	20.51	155	9.51	8.80			13	0	99	.13	7	1.4	2.5	UER
		24	2028	26.91	19	18.58	155	15.39	6.58	1.6		22	0	102	.09	6	.6	.9	KOA
		24	2118	46.50	19	22.55	155	25.01	7.15	1.7		12	0	91	.07	10	.7	1.6	UKF
		24	22	6 45.82	19	22.29	155	25.91	5.64	1.9		16	0	72	.09	11	.6	1.6	UKF
		24	2214	47.14	19	23.24	155	25.04	7.36	2.3		25	0	54	.15	9	.8	1.4	UKF
		24	2245	21.79	19	21.83	155	25.80	7.21	1.9		23	0	70	.09	11	.5	1.2	HEA
		25	332	33.67	19	24.33	155	17.51	1.52	1.0		11	0	83	.11	2	.8	.3	SPC
		25	4	8 35.01	19	21.97	155	24.85	6.57	1.7		17	0	98	.09	10	.6	1.5	SWR
		25	537	30.93	19	32.57	155	9.39	23.62	2.3		17	0	135	.11	17	2.1	5.1	HIL
		25	624	44.34	19	20.89	155	11.23	8.03	2.5		28	0	70	.13	8	.7	1.1	UER
		25	628	30.06	19	25.08	155	23.84	8.23	1.6		16	0	117	.06	9	.5	.9	UKF
		25	8	9 15.49	19	23.50	155	15.12	2.00			9	0	98	.07	3	.6	.0	SPC
		25	846	33.26	19	18.67	155	13.53	7.85			17	0	84	.06	7	.5	1.4	POL
		25	20	6 46.82	19	22.06	155	26.04	7.93	1.8		21	0	61	.09	11	.6	1.4	UKF
		25	23	5 50.16	19	17.92	155	13.08	7.65			13	0	106	.08	9	.8	1.9	POL
		26	7	9 33.28	19	18.50	155	15.30	6.75			19	0	130	.12	6	.9	1.3	KOA
		26	1844	3.78	19	22.35	155	10.99	5.50	1.6		15	0	156	.08	7	1.0	.6	UER
		26	2030	15.30	19	19.54	155	11.88	7.79	1.7		21	0	91	.11	6	.7	1.3	UER
		26	2342	49.85	19	17.59	155	15.39	8.49	1.7		23	0	126	.09	6	.6	1.0	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	27	433	10.62	19	23.84	155	28.06	6.00	2.4		24	0	82	.15	14	.9	2.6	UKF
		27	437	53.01	19	20.00	155	10.66	8.75	1.8		22	0	86	.09	7	.7	1.5	UER
		27	11 6	38.36	19	25.61	155	16.84	1.82	.5		9	0	152	.12	2	1.2	.5	SPC
		27	1112	49.06	19	25.37	155	17.14	.68	1.4		14	0	138	.16	3	.9	.3	SPC
		27	1425	44.82	19	21.79	155	26.18	6.47	1.7		14	0	65	.09	10	.7	1.5	HEA
		27	15 6	24.44	19	21.56	155	24.25	5.87	1.6		12	0	140	.08	9	.9	1.5	SWR
		27	1544	43.38	19	24.94	155	16.93	2.01	3.0		24	0	39	.22	3	.8	4.0	SPC
		27	1558	24.54	19	25.29	155	16.94	.79	1.8		21	0	48	.15	2	.6	.3	SPC
		27	1612	37.89	19	24.23	155	15.93	1.82	.7		8	0	106	.05	2	.7	.3	SPC
		27	1659	2.69	19	22.57	155	3.98	4.09	2.7		7	0	342	.41	23	97.8	15.5	MER
		27	1841	55.00	19	22.14	155	24.93	7.65	1.7		17	0	76	.10	10	.7	1.7	UKF
		27	1852	9.40	19	19.10	155	13.69	6.64	2.1		26	0	67	.15	7	.8	1.4	UER
		27	1913	54.47	19	19.99	155	9.44	7.86	2.2		24	0	80	.12	8	.7	1.4	UER
		27	2044	32.83	19	19.92	155	9.16	5.98			17	0	129	.12	9	.8	1.8	UER
		27	2218	36.85	19	18.43	155	15.06	8.86			15	0	129	.03	6	.3	.9	KOA
		27	2234	23.47	19	23.18	155	22.77	7.87	1.7		20	0	53	.06	9	.4	1.1	UKF
		28	1 8	37.27	19	22.86	155	23.84	9.04			14	0	95	.06	7	.5	1.3	UKF
		28	125	48.31	19	22.09	155	24.62	8.18			12	0	132	.07	9	.9	2.2	UKF
		28	327	22.04	19	57.87	155	34.61	9.56	2.7		14	0	158	.05	28	.5	.2	KOH
		28	353	14.56	19	26.05	155	25.75	6.23	2.0		23	0	107	.12	9	.7	2.7	UKF
		28	549	39.21	19	19.71	155	15.32	7.34			17	0	94	.08	6	.6	1.4	KOA
		28	633	29.93	19	22.87	155	2.54	2.97			18	0	185	.18	14	1.7	2.9	MER
		28	1034	20.80	19	24.10	155	15.78	1.65	1.8		19	0	58	.09	3	.4	.2	SPC
		28	1345	16.19	19	22.07	155	25.59	9.39			12	0	152	.07	11	1.6	3.4	UKF
		28	15 8	37.08	19	29.07	155	22.47	11.90	2.1		19	0	101	.13	11	1.2	.5	NER
		28	1510	1.48	19	21.56	155	5.99	7.03			13	0	106	.11	9	1.2	3.6	MER
		28	21 3	35.81	19	18.52	155	15.26	7.13			19	0	129	.10	6	.7	1.2	KOA
		28	2155	3.34	19	24.75	155	16.41	.59	1.0		12	0	95	.12	2	.5	.3	SPC
		28	23 4	14.20	19	12.47	155	20.98	40.74			24	0	165	.08	15	1.2	3.0	HLP
		28	2341	57.61	19	22.30	155	25.27	8.28	1.7		23	0	53	.15	10	.9	2.1	UKF
		29	155	8.86	19	24.75	155	16.53	.88	.9		11	0	99	.09	2	.4	.5	SPC
		29	253	57.52	19	22.66	155	24.75	6.04	2.0		26	0	52	.11	9	.6	1.8	UKF
		29	357	26.60	19	22.44	155	24.43	12.08			13	0	117	.05	9	.7	.4	UKF
		29	1250	54.54	19	20.32	155	8.51	6.90			16	0	75	.14	9	1.0	1.9	UER
		29	1258	8.19	19	23.43	155	15.06	2.00	1.3		14	0	100	.10	3	.6	.0	SPC
		29	1320	20.84	19	17.98	155	14.66	7.46	1.7		18	0	139	.10	7	.7	1.1	POL
		29	15 1	53.14	19	21.80	155	25.31	8.51	1.7		13	0	108	.08	10	.7	1.7	HEA
		29	1935	45.80	19	45.55	155	47.82	19.77	2.7		17	0	154	.07	36	.7	1.9	KON
		29	2253	59.94	19	23.96	155	24.97	7.75	1.6		21	0	57	.07	9	.5	1.2	UKF
		30	023	46.79	19	19.77	155	10.55	11.84	1.8		15	0	91	.05	7	.5	.3	UER
		30	447	14.22	19	22.83	155	26.14	7.54	2.1		23	0	52	.12	11	.7	1.7	UKF
		30	510	43.53	19	18.61	155	13.52	7.40			12	0	84	.06	7	.6	1.9	POL
		30	514	1.93	19	50.05	155	21.24	8.86			13	0	129	.19	37	2.2	1.7	KKU
		30	522	3.76	19	27.10	155	35.30	.00	2.6		15	0	122	.10	23	.9	78.1	MOK
		30	8 1	42.81	19	21.96	155	24.87	9.09	1.7		19	0	58	.08	10	.5	1.3	SWR
		30	824	44.23	19	19.83	155	12.57	7.42	1.7		23	0	77	.12	6	.7	1.2	UER
		30	1031	41.69	19	21.38	155	25.70	9.79			28	0	72	.13	9	.7	.4	HEA
		30	13 9	24.01	19	22.21	155	25.08	9.81			17	0	78	.11	10	.8	.8	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUN	30	1641	21.87	19	24.58	155	16.20	.61			12	0	80	.13	2	.5	.4	SPC
		30	1938	1.26	19	19.04	155	13.59	9.65			19	0	80	.10	7	.8	3.1	UER
		30	2246	21.37	19	19.58	155	10.25	9.66			13	0	106	.05	7	.6	2.3	UER
		30	2351	35.63	19	21.34	155	25.71	9.44			23	0	73	.08	9	.4	.8	HEA
	JUL	1	0	4 19.69	19	22.40	155	10.55	5.24			20	0	97	.11	8	.7	.9	UER
		1	118	6.14	19	24.44	155	18.17	1.54			12	0	75	.10	3	.5	.3	SPC
		1	352	5.43	19	22.92	155	26.11	7.32			26	0	53	.15	11	.8	2.1	UKF
		1	1055	48.95	19	11.72	155	32.76	45.81			20	0	131	.07	23	1.0	2.8	LSW
		1	17	6 41.76	19	25.68	155	25.95	11.34			11	0	185	.04	10	1.5	5.1	UKF
		1	2041	33.35	19	21.62	155	25.39	7.07			16	0	68	.15	10	1.0	2.6	HEA
		1	2125	58.24	19	19.54	155	12.31	6.29	1.7		22	0	86	.16	6	.9	1.6	UER
		1	22	9 17.87	19	23.01	155	25.35	7.50	1.8		24	0	53	.11	10	.6	1.7	UKF
		1	2335	39.82	19	22.82	155	25.34	7.77	2.0		23	0	94	.11	10	.7	1.7	UKF
		2	015	13.83	19	22.88	155	24.76	11.96			10	0	109	.04	9	.6	3.6	UKF
		2	045	57.82	19	20.90	155	25.73	9.27	1.8		25	0	77	.10	8	.5	.8	HEA
		2	1	3 23.37	19	22.53	155	23.68	6.90			10	0	98	.06	7	.6	2.5	UKF
		2	1	5 19.96	19	19.20	155	11.74	7.91			12	0	100	.05	7	.5	2.2	UER
		2	1	7 58.87	19	18.31	155	13.30	7.19			11	0	86	.05	8	.5	1.5	POL
		2	1	8 17.94	19	25.18	155	24.36	7.24	2.0		20	0	101	.10	9	.7	1.9	UKF
		2	452	13.70	19	27.99	155	34.78	.01	2.5		15	0	105	.13	20	1.2	1.4	MOK
		2	541	27.28	19	18.65	155	13.39	7.76	1.7		23	0	78	.11	8	.7	1.6	POL
		2	551	29.94	19	24.14	155	17.22	17.06	1.7		20	0	45	.12	4	.8	1.6	DEP
		2	553	54.29	19	23.54	155	28.54	8.98	1.9		25	0	59	.13	15	.8	1.5	UKF
		2	1536	33.49	19	22.50	155	18.12	29.01			17	0	59	.06	4	1.1	2.6	DEP
		2	1555	5.29	19	23.11	155	14.64	29.75			17	0	84	.05	3	1.0	1.7	DEP
		2	1648	13.00	19	22.08	155	23.58	8.90			11	0	86	.05	7	.5	1.5	UKF
		2	1726	41.53	19	19.08	155	15.65	5.98			19	0	113	.12	6	.8	1.7	KOA
		2	1755	39.80	19	22.18	155	25.27	7.07	1.7		24	0	54	.13	10	.7	1.9	UKF
		2	1913	22.65	19	25.57	155	16.74	.54	1.5		18	0	96	.18	2	.7	.3	SPC
		2	1926	29.94	19	22.01	155	25.62	9.98	2.2		24	0	60	.07	11	.4	.2	UKF
		2	1945	48.82	19	18.21	155	23.43	4.66	1.7		15	0	109	.08	8	.6	1.5	SWR
		2	2117	.08	19	22.21	155	25.54	8.20	1.7		15	0	103	.07	11	.7	1.5	UKF
		3	357	8.32	19	22.30	155	17.93	1.98	1.0		14	0	76	.08	4	.5	99.0	KOA
		3	1658	27.35	19	25.54	155	16.76	1.84	.9		11	0	148	.10	2	.9	.4	SPC
		3	2132	27.93	19	20.12	155	12.14	7.77	1.7		24	0	77	.10	6	.6	1.0	UER
		3	2159	45.57	19	23.75	155	23.98	10.23	1.8		18	0	70	.04	7	.3	1.4	UKF
		4	041	12.99	19	19.68	155	19.54	4.30	1.8		7	0	125	.07	7	2.1	7.4	SWR
		4	055	39.99	19	22.54	155	24.80	9.86	1.9		21	0	88	.08	9	.6	.4	UKF
		4	130	13.30	19	19.92	155	6.13	8.79			10	0	148	.07	8	1.4	2.6	UER
		4	357	21.58	19	18.17	155	13.09	7.01			11	0	98	.06	8	.7	2.1	POL
		4	442	48.33	19	21.71	155	29.38	11.00	2.0		16	0	140	.09	11	1.1	.6	HEA
		4	6	4 18.45	19	12.07	155	4.06	48.89	2.6		29	0	218	.09	19	1.7	3.1	DIS
		4	1913	51.95	19	20.39	155	11.95	11.79			18	0	110	.08	7	.9	.6	UER
		4	21	7 27.20	19	22.04	155	23.28	8.79			12	0	83	.05	8	.4	1.4	UKF
		4	2129	59.81	19	24.32	155	17.44	12.74			11	0	111	.08	4	1.2	.5	LPC
		5	045	41.46	19	19.13	155	12.00	9.88			13	0	99	.05	8	.6	2.6	UER
		5	217	15.59	19	16.79	155	13.19	7.56			16	0	199	.09	10	1.0	1.8	POL
		5	234	20.86	19	21.82	155	25.58	8.71			19	0	66	.08	10	.6	1.4	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	5	414	34.53	19	19.19	155	11.87	9.03			13	0	99	.04	7	.5	1.5	UER
		5	534	27.18	19	19.81	155	10.11	7.00			15	0	110	.10	7	1.0	2.0	UER
		5	1827	14.11	19	20.56	155	13.84	7.70	1.6		22	0	81	.15	6	1.0	1.7	UER
		5	2135	51.83	19	22.21	155	26.42	5.91	1.7		15	0	63	.10	12	.8	1.4	UKF
		5	22 0	56.86	19	19.05	155	7.47	7.02			11	0	231	.13	11	8.5	10.0	UER
		5	2258	20.09	19	21.66	155	25.33	8.48			12	0	112	.07	11	.6	1.4	HEA
		6	126	1.86	19	34.42	155	5.21	5.52			12	0	199	.13	24	3.5	15.6	HIL
		6	127	16.48	19	17.72	155	12.90	7.83			10	0	123	.07	9	1.2	2.5	POL
		6	733	41.20	19	22.91	155	4.76	.43			16	0	141	.12	12	1.0	99.0	MER
		6	837	19.42	19	27.02	155	37.75	5.52			12	0	219	.10	22	3.1	5.9	MOK
		6	841	58.69	19	25.84	155	37.25	4.54	2.2		11	0	200	.07	20	1.6	1.8	MOK
		6	1455	58.87	19	22.51	155	26.62	5.99	1.7		15	0	114	.13	11	1.1	2.3	UKF
		6	21 1	48.94	19	22.15	155	24.54	7.66			14	0	128	.08	9	1.1	2.8	UKF
		6	23 1	37.27	19	20.80	155	25.50	8.23			14	0	116	.07	8	.7	2.0	HEA
		6	2320	31.53	19	20.47	155	19.32	1.63	1.3		14	0	75	.06	7	.4	99.0	SWR
		7	251	1.32	19	19.31	155	13.30	11.03			16	0	73	.09	7	1.0	4.2	UER
		7	348	15.76	19	22.28	155	28.55	9.64			15	0	64	.08	11	.7	.6	UKF
		7	513	41.49	19	22.72	155	26.34	11.83			18	0	122	.07	12	.8	.5	UKF
		7	6 6	19.20	20	7.69	155	32.63	6.05			14	0	279	.08	72	5.1	.0	KOH
		7	856	59.66	19	22.71	155	25.13	9.90			20	0	90	.14	10	1.0	1.1	UKF
		7	1713	34.94	19	19.81	155	8.83	9.13			16	0	98	.08	9	.8	1.7	UER
		7	2115	17.10	19	29.05	155	28.74	7.47	2.4		19	0	92	.09	13	.7	2.6	MER
		7	22 6	45.07	19	19.46	155	15.66	8.25	1.6		19	0	102	.08	6	.6	1.2	KOA
		8	0 4	12.49	19	18.19	155	13.73	8.82			17	0	99	.10	8	.9	2.4	POL
		8	251	6.69	19	25.13	155	23.41	9.58	3.2		32	0	43	.13	9	.6	.3	UKF
		8	441	2.72	19	22.82	155	23.55	8.23	1.6		18	0	90	.07	7	.6	1.7	UKF
		8	940	36.57	19	20.15	155	18.26	29.26	2.1		21	0	65	.09	6	1.3	2.2	DEP
		8	1140	34.06	19	20.39	155	8.82	8.66	2.6		30	0	70	.13	9	.7	.8	UER
		8	1151	58.13	19	22.47	155	4.19	8.23	2.6		28	0	148	.12	12	.8	1.1	MER
		8	1233	22.97	19	22.27	155	25.08	7.90	1.7		13	0	96	.08	10	.6	1.6	UKF
		8	1245	23.67	19	21.53	155	15.65	13.47	2.3		26	0	63	.12	4	.8	1.1	DEP
		8	1317	8.36	19	22.84	155	25.48	9.63	2.1		24	0	53	.14	10	.9	.6	UKF
		8	2032	31.25	19	11.97	155	36.83	10.10	2.9		29	0	114	.17	25	1.2	.5	HEA
		9	1146	51.00	19	19.94	155	25.64	9.18	2.4		26	0	85	.13	7	.6	.7	HEA
		9	1442	34.97	19	42.69	155	1.36	51.75	3.1		12	0	243	.13	40	5.5	30.0	BLS
		9	1821	35.45	19	20.22	155	19.56	1.62			9	0	111	.06	6	.6	99.0	SWR
		9	21 5	27.13	19	24.80	155	17.86	5.04	1.2		15	0	66	.11	3	.7	1.1	SPC
		10	012	1.43	19	22.39	155	2.65	7.32	2.1		19	0	193	.12	13	1.2	1.1	MER
		10	044	32.09	19	28.14	155	28.12	8.67	1.9		21	0	83	.09	13	.6	2.0	UKF
		10	057	28.38	19	22.97	155	1.00	3.30	2.1		13	0	160	.18	15	1.8	3.8	MER
		10	2 5	32.53	19	19.91	155	11.13	10.77			13	0	96	.06	7	.6	2.8	UER
		10	334	44.32	19	45.95	155	54.94	2.41			6	1	341	.06	69	61.3	19.9	KON
		10	435	4.02	19	24.57	155	16.29	.99	.5		8	0	88	.07	2	.2	.4	SPC
		10	633	28.92	19	25.64	155	16.66	1.80	.8		10	0	156	.10	2	.9	.4	SPC
		10	745	26.23	20	.89	155	23.33	4.91	2.7		18	1	260	.12	51	1.2	1.2	KKU
		10	817	10.81	19	21.39	155	25.46	7.34	1.7		11	0	183	.12	14	1.8	3.4	HEA
		10	841	50.45	19	18.22	155	13.37	7.13	1.7		16	0	85	.09	9	.7	1.7	POL
		10	1014	44.65	19	19.93	155	12.15	9.23	1.7		22	0	80	.11	6	.8	1.7	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	10	1028	47.42	19	24.75	155	16.50	1.29	1.2		12	0	98	.11	2	.5	.4	SPC
		10	1143	43.66	19	25.81	155	16.08	3.03	1.3		10	0	191	.16	3	2.3	3.4	SPC
		10	1222	31.16	19	24.67	155	25.39	6.73	2.2		19	0	87	.11	10	.8	2.3	UKF
		10	1437	27.91	19	24.57	155	17.63	14.32			13	0	111	.05	8	.6	1.1	DEP
		10	1523	20.32	19	18.48	155	16.28	7.39	1.8		23	0	112	.09	6	.5	1.0	KOA
		10	1649	21.55	19	19.66	155	9.68	8.43	1.8		15	0	117	.10	8	1.0	1.4	UER
		10	1751	48.52	19	24.54	155	17.78	2.00	1.1		14	0	70	.16	2	.9	.0	SPC
		11	134	15.97	19	23.38	155	24.74	7.09	1.8		25	0	55	.14	9	.8	1.6	UKF
		11	340	4.56	19	24.95	155	28.87	11.85	1.9		20	0	85	.09	13	.7	.4	UKF
		11	348	46.10	19	22.62	155	23.00	7.21	1.5		13	0	82	.04	8	.5	1.0	UKF
		11	415	13.14	19	24.28	155	17.46	2.00	.9		10	0	76	.12	2	.9	.0	SPC
		11	427	47.23	19	22.47	155	16.77	24.33			19	0	73	.09	3	1.1	1.9	DEP
		11	5	3 38.43	19	37.80	155	5.66	10.39	2.5		25	0	87	.12	27	.9	.4	HIL
		11	510	32.51	19	38.01	155	5.95	8.44	2.2		19	0	86	.11	28	1.4	6.3	HIL
		11	519	59.47	19	22.88	155	26.41	8.01	2.6		31	0	54	.17	12	.8	1.1	UKF
		11	551	11.12	19	20.43	155	10.40	6.75	1.7		16	0	110	.12	7	.9	1.5	UER
		11	628	23.78	19	24.35	155	17.90	1.44	.9		11	0	71	.09	2	.4	.3	SPC
		11	711	41.09	19	24.38	155	17.71	1.18	1.0		13	0	65	.12	2	.5	.5	SPC
		11	716	53.55	19	24.41	155	17.46	1.26	.6		10	0	97	.07	2	.6	.3	SPC
		11	745	18.91	19	25.95	155	26.45	11.29	2.0		14	0	200	.03	11	1.1	3.4	UKF
		11	8	4 42.96	19	25.73	155	17.10	2.04	1.5		16	0	97	.08	3	.5	2.2	SPC
		11	917	28.35	19	20.20	155	17.31	32.12	2.2		17	0	87	.07	5	1.5	1.9	DEP
		11	1015	22.69	19	24.97	155	25.30	10.92	1.7		15	0	133	.10	9	.9	1.0	UKF
		11	1116	10.08	19	24.78	155	16.38	.51	.9		10	0	98	.09	2	.4	.2	SPC
		11	1417	17.69	19	29.57	155	27.13	6.09	2.7		20	0	91	.18	13	1.0	3.2	NER
		11	1731	40.42	19	24.64	155	16.85	.70	.2		8	0	81	.07	2	.5	.3	SPC
		11	22	3 20.44	19	24.11	155	15.94	1.54	.7		12	0	60	.07	2	.3	.2	SPC
		11	2224	32.79	19	24.35	155	17.52	1.36	.3		9	0	102	.06	2	.5	.2	SPC
		11	2336	52.75	19	22.23	155	24.97	9.15	2.0		23	0	78	.12	10	.8	1.2	UKF
		12	4	8 17.61	19	25.27	155	16.69	1.84	.7		10	0	131	.13	2	1.5	.4	SPC
		12	448	20.08	19	21.78	155	10.73	31.87	2.2		27	0	59	.11	8	1.2	2.1	UER
		12	655	21.05	19	25.64	155	28.49	9.54	1.9		18	0	113	.11	14	1.0	4.7	UKF
		12	1416	52.14	19	23.19	155	27.22	8.51	1.8		18	0	83	.11	13	.9	2.0	UKF
		12	1532	59.07	19	27.88	155	43.69	9.43	3.0		24	0	64	.13	27	.8	.8	MOK
		12	18	6 50.66	19	24.53	155	16.49	.62	1.1		12	0	89	.10	2	.4	.2	SPC
		12	1929	11.66	19	24.58	155	16.48	1.12	.9		10	0	92	.06	2	.2	.3	SPC
		12	2036	56.15	19	24.80	155	29.42	8.85	1.9		23	0	59	.15	14	.9	2.1	UKF
		12	2248	24.61	19	24.68	155	16.27	1.18	.8		10	0	95	.07	2	.4	.3	SPC
		13	026	44.57	19	25.54	155	16.85	1.77	.6		13	0	148	.11	2	.9	.4	SPC
		13	3	7 8.47	19	19.71	155	8.84	7.12			17	0	78	.11	9	.6	1.9	UER
		13	546	47.77	19	24.03	155	15.79	1.44	1.2		13	0	65	.08	3	.4	.3	SPC
		13	637	46.55	19	21.62	155	15.33	9.79	3.1		27	0	62	.09	4	.5	.4	KOA
		13	839	4.09	19	20.01	155	7.84	11.45	1.9		18	0	91	.07	9	.7	.4	UER
		13	1829	52.72	19	25.94	155	24.00	10.34	1.6		17	0	126	.06	9	.5	.5	UKF
		13	2016	4.39	19	21.99	155	26.51	8.31	1.8		22	0	72	.11	10	.7	1.7	HEA
		13	2219	47.35	19	17.82	155	13.18	6.33	1.7		14	0	103	.08	9	.8	1.9	POL
		13	2239	50.44	19	19.96	155	5.97	6.88	1.9		22	0	125	.12	8	.8	1.2	MER
		14	6	5 11.05	19	18.77	155	10.82	11.84			17	0	118	.07	6	.7	.4	POL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	14	628	1.10	19	24.43	155	17.57	2.00	1.3		15	0	65	.14	2	.7	.0	SPC
		14	740	47.42	19	27.34	155	27.34	8.57	1.8		19	0	76	.13	12	.9	2.9	UKF
		14	11 5	43.42	19	25.61	155	16.70	1.85	.5		11	0	153	.11	2	.9	.4	SPC
		14	1125	39.96	19	25.34	155	16.94	1.67	1.0		14	0	122	.11	2	.6	.3	SPC
		14	13 4	2.42	19	24.18	155	16.18	1.81	1.6		16	0	67	.07	2	.3	.2	SPC
		14	16 5	6.56	19	30.50	155	26.75	4.99	2.2		16	0	95	.08	15	.5	.9	NER
		14	16 9	30.75	19	25.49	155	16.72	1.64	.9		11	0	145	.11	2	.8	.4	SPC
		14	1741	48.22	19	30.31	155	26.52	5.50	2.5		25	0	89	.10	15	.6	1.7	NER
		14	1914	40.14	19	19.41	155	11.81	9.90			14	0	94	.05	6	.6	2.7	UER
		14	1915	33.71	19	23.94	155	15.92	2.00	1.2		11	0	63	.14	3	1.0	.0	SPC
		14	2324	3.25	19	19.51	155	10.57	7.63	1.8		16	0	115	.09	7	.9	1.3	UER
		15	0 8	.98	19	23.02	155	16.54	25.23	2.0		24	0	42	.08	2	1.0	1.7	DEP
		15	348	24.22	19	20.47	155	8.82	7.03			17	0	70	.09	8	.8	1.2	UER
		15	728	57.25	19	23.89	155	17.01	1.61	.6		9	0	93	.05	2	.5	.2	SPC
		15	1023	23.21	19	21.10	155	25.95	8.88	2.1		19	0	74	.12	9	.8	1.8	HEA
		15	1819	50.32	19	23.76	155	2.87	6.86	2.3		20	0	177	.11	13	.9	2.6	MER
		15	1929	54.33	19	21.56	155	25.39	9.72	1.8		17	0	69	.08	10	.6	1.2	HEA
		15	1949	24.39	19	19.57	155	11.37	10.59	1.8		14	0	94	.04	6	.4	1.9	UER
		15	2042	12.75	19	27.34	155	35.82	2.60	3.2		26	0	56	.18	23	1.0	2.6	MOK
		15	2248	20.35	19	18.48	155	12.61	7.67			14	0	105	.07	8	.6	1.8	POL
		16	712	50.44	19	22.85	155	22.63	6.41			11	0	89	.05	9	.5	1.9	UKF
		16	9 0	35.23	19	19.62	155	10.81	5.96	1.7		19	0	98	.12	7	.8	1.9	UER
		16	933	56.37	19	19.72	155	6.59	7.33			14	0	122	.10	7	1.0	2.6	UER
		16	947	40.89	19	19.03	155	15.28	6.96	1.6		21	0	112	.12	6	.8	1.7	KOA
		16	1142	26.96	19	28.54	155	38.77	5.71	2.3		14	0	115	.22	25	2.0	5.5	MOK
		16	1516	35.69	19	18.83	155	15.46	6.50	1.6		19	0	120	.12	6	.9	2.0	KOA
		16	1557	55.01	19	25.44	155	23.95	10.88	1.7		14	0	79	.04	8	.4	2.0	UKF
		16	1721	10.86	19	18.96	155	13.65	8.49			15	0	83	.07	7	.7	1.7	POL
		16	1726	32.18	19	30.17	155	39.39	7.75	2.5		12	0	96	.15	28	1.4	3.7	MOK
		16	2044	46.31	19	23.76	155	15.24	1.45	.9		10	0	85	.05	3	.3	.2	SPC
		16	2055	35.64	19	20.38	155	13.01	8.07			16	0	65	.05	6	.4	.7	UER
		16	2148	10.68	19	23.66	155	2.54	3.27			19	0	127	.21	13	1.5	4.0	MER
		17	0 0	57.83	19	25.14	155	22.95	7.50	1.5		15	0	104	.05	9	.3	.5	UKF
		17	329	49.82	19	25.10	155	16.74	1.74	.8		11	0	121	.11	2	.8	.4	SPC
		17	621	47.26	19	18.93	155	15.52	6.97	1.6		24	0	97	.09	6	.5	.8	KOA
		17	720	8.78	19	18.18	155	13.41	5.63			14	0	85	.09	8	.7	1.9	POL
		17	750	1.72	19	18.45	155	13.15	7.58			12	0	89	.06	8	.7	1.9	POL
		17	1010	48.30	19	20.86	155	12.20	8.02	1.6		23	0	70	.17	7	1.1	1.9	UER
		17	1319	50.02	19	23.26	155	1.31	9.43	2.1		12	0	206	.13	15	2.1	1.5	MER
		17	14 9	6.15	19	17.90	155	6.69	40.55			14	0	250	.03	18	1.7	2.3	POL
		17	14 9	47.30	19	18.41	155	13.42	7.54	1.7		22	0	81	.11	8	.8	1.5	POL
		17	1526	37.82	19	18.23	155	13.37	8.99	1.7		16	0	85	.09	8	.7	1.4	POL
		17	16 0	38.11	19	19.31	155	15.78	7.25	2.1		27	0	92	.10	6	.5	.7	KOA
		17	17 0	15.54	19	21.50	155	25.83	11.16			14	0	71	.07	10	.6	2.3	HEA
		17	1818	58.09	19	24.51	155	29.44	8.67	2.2		19	0	59	.16	14	.9	1.5	UKF
		17	2345	35.05	19	22.01	155	25.08	8.91	1.7		18	0	58	.07	10	.6	1.4	UKF
		18	0 0	54.54	19	23.93	155	17.00	1.61	.7		12	0	64	.11	2	.7	.3	SPC
		18	119	5.61	19	22.79	155	24.22	11.55			12	0	103	.04	5	.6	3.1	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	18	129	18.71	19	18.41	155	13.32	6.56			17	0	84	.10	8	.8	1.9	POL
		18	343	36.22	19	19.88	155	19.77	1.32	1.4		15	0	125	.05	6	.3	99.0	SWR
		18	1111	58.38	19	20.76	155	11.45	8.73	2.4		25	0	71	.11	8	.6	1.1	UER
		18	2030	34.03	19	24.07	155	15.71	2.01	.8		9	0	66	.06	3	.4	38.0	SPC
		18	2320	44.90	19	24.34	155	17.33	16.54	1.7		19	0	71	.10	4	.8	1.4	DEP
		18	2338	17.94	19	20.11	155	12.48	7.10	1.9		22	0	74	.14	6	.8	1.4	UER
		19	3	2 6.16	19	23.40	155	14.92	2.00			10	0	101	.08	3	.6	.0	GLN
		19	3	5 54.04	19	23.43	155	15.19	2.00			11	0	100	.11	3	.8	.0	SPC
		19	319	30.48	19	23.59	155	15.18	2.10	1.3		16	0	94	.12	3	.6	18.0	SPC
		19	320	42.64	19	23.48	155	15.19	2.00			12	0	98	.11	3	.7	.0	SPC
		19	323	1.95	19	23.39	155	14.94	1.35	1.0		10	0	101	.04	3	.2	.1	GLN
		19	326	19.14	19	23.49	155	15.14	1.47			11	0	98	.09	3	.5	.3	SPC
		19	333	20.21	19	23.55	155	15.10	2.44	1.3		17	0	51	.07	3	.4	2.7	SPC
		19	334	6.31	19	23.51	155	15.21	1.51	1.0		11	0	97	.08	3	.5	.3	SPC
		19	334	55.57	19	23.48	155	15.07	1.01	1.0		13	0	97	.10	3	.4	.5	SPC
		19	337	6.35	19	23.56	155	15.09	2.00	1.0		11	0	96	.13	3	.9	.0	SPC
		19	337	23.52	19	23.31	155	14.88	2.00			10	0	104	.10	3	.8	.0	GLN
		19	337	55.20	19	23.45	155	15.10	1.36	1.0		13	0	98	.08	3	.4	.2	SPC
		19	338	34.54	19	23.30	155	14.82	2.00			10	0	105	.10	3	.8	.0	GLN
		19	339	.46	19	23.42	155	14.94	1.67	1.3		14	0	98	.07	3	.4	.2	GLN
		19	339	48.10	19	23.46	155	15.06	1.17	1.0		13	0	99	.11	3	.4	.4	SPC
		19	340	.52	19	23.60	155	15.26	1.52	1.2		14	0	91	.09	3	.5	.3	SPC
		19	340	45.16	19	23.55	155	15.04	2.00			11	0	96	.12	3	.9	.0	SPC
		19	341	12.94	19	23.42	155	15.02	2.00	1.0		11	0	101	.11	3	.8	.0	SPC
		19	343	7.31	19	23.45	155	15.08	1.45	1.0		12	0	99	.06	3	.4	.2	SPC
		19	345	9.40	19	23.52	155	14.87	1.43	1.0		12	0	94	.06	3	.4	.3	GLN
		19	345	59.50	19	23.56	155	14.78	1.36	1.0		12	0	160	.05	3	.4	.2	GLN
		19	346	23.14	19	23.63	155	15.11	2.00	1.0		12	0	94	.15	3	1.1	.0	SPC
		19	4	7 38.62	19	23.49	155	14.72	2.82	1.6		13	0	159	.10	3	.9	3.7	GLN
		19	411	12.05	19	23.21	155	14.94	.50	2.5		14	0	105	.16	7	1.0	6.4	GLN
		19	417	15.33	19	23.44	155	15.07	1.12	1.6		17	0	109	.12	3	.6	.5	SPC
		19	424	31.60	19	23.51	155	15.25	1.51	.9		13	0	95	.09	3	.5	.4	SPC
		19	425	57.84	19	23.62	155	15.21	1.39	1.4		16	0	52	.05	3	.2	.2	SPC
		19	428	42.08	19	23.54	155	15.19	2.00	1.0		13	0	95	.17	3	1.1	.0	SPC
		19	429	5.02	19	23.62	155	15.36	1.48	1.2		14	0	88	.10	3	.5	.3	SPC
		19	431	24.39	19	23.56	155	15.32	2.00	.9		13	0	91	.13	3	.8	.0	SPC
		19	435	36.18	19	23.67	155	15.16	1.42			10	0	91	.07	3	.4	.3	SPC
		19	438	55.93	19	23.62	155	15.36	1.36	.9		14	0	88	.10	3	.4	.3	SPC
		19	444	49.92	19	23.68	155	15.31	1.56	1.9		21	0	48	.10	3	.4	.2	SPC
		19	447	41.65	19	23.53	155	15.30	1.54	.9		13	0	93	.08	3	.4	.2	SPC
		19	450	55.93	19	23.13	155	15.05	2.00	1.0		12	0	111	.20	3	1.3	.0	SPC
		19	452	48.23	19	23.67	155	15.22	1.42	.9		10	0	90	.05	3	.3	.2	SPC
		19	455	27.17	19	23.60	155	15.12	2.00			10	0	95	.09	3	.7	.0	SPC
		19	5	0 3.02	19	23.49	155	15.03	.50	2.7		20	0	52	.16	3	.4	1.9	SPC
		19	5	2 20.32	19	23.67	155	15.26	1.49			9	0	89	.06	3	.4	.2	SPC
		19	5	4 58.64	19	23.63	155	15.15	1.64			9	0	93	.08	3	.6	.4	SPC
		19	511	7.97	19	23.57	155	15.45	1.76	.9		12	0	87	.12	3	.8	.5	SPC
		19	512	19.22	19	23.63	155	15.41	2.00	.9		11	0	86	.13	3	.9	.0	SPC

YEAR	MON	ORIGIN TIME DA	HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	19	514	6.09	19	23.54	155	15.23	2.00	1.0		11	0	95	.14	3	1.0	.0	SPC
		19	514	29.70	19	23.91	155	15.34	2.00	.9		10	0	78	.12	3	.9	.0	SPC
		19	519	9.43	19	23.53	155	15.24	1.07			10	0	95	.08	3	.4	.5	SPC
		19	520	14.39	19	23.48	155	15.06	1.44	1.0		10	0	98	.04	3	.3	.2	SPC
		19	520	37.79	19	23.15	155	15.00	2.00	1.0		9	0	111	.16	3	1.4	.0	SPC
		19	523	27.86	19	23.60	155	15.16	1.46			13	0	94	.08	3	.4	.3	SPC
		19	524	27.34	19	23.70	155	15.27	1.23			10	0	87	.06	3	.3	.3	SPC
		19	528	30.61	19	23.80	155	15.25	1.58	1.2		15	0	84	.08	3	.4	.2	SPC
		19	529	18.46	19	23.54	155	15.08	1.49	1.0		10	0	97	.08	3	.5	.3	SPC
		19	530	19.33	19	23.63	155	15.17	2.20			9	0	92	.06	3	.3	5.2	SPC
		19	530	45.60	19	23.58	155	15.02	1.89			9	0	95	.12	3	1.1	99.0	SPC
		19	534	29.44	19	23.52	155	15.00	2.24			10	0	97	.06	3	.4	5.3	SPC
		19	535	12.91	19	23.65	155	15.20	1.56	1.5		20	0	53	.09	3	.4	.2	SPC
		19	536	16.53	19	23.90	155	15.42	1.10			10	0	76	.10	3	.5	.6	SPC
		19	537	15.99	19	23.47	155	15.14	1.10			10	0	99	.07	3	.3	.4	SPC
		19	537	44.70	19	23.72	155	15.22	1.74	2.0		24	0	49	.11	3	.4	.4	SPC
		19	539	28.26	19	23.88	155	15.14	3.41	1.0		9	0	83	.09	3	.4	1.6	SPC
		19	544	18.87	19	23.72	155	15.24	1.01			10	0	87	.06	3	.3	.4	SPC
		19	544	54.54	19	23.30	155	14.67	3.24			10	0	104	.12	3	.7	3.0	GLN
		19	553	3.68	19	23.59	155	15.21	.13	2.1		20	0	50	.11	3	.3	.2	SPC
		19	557	24.17	19	23.54	155	15.04	2.00	1.0		10	0	96	.09	3	.7	.0	SPC
		19	559	10.90	19	23.73	155	15.22	1.61			9	0	87	.06	3	.3	.2	SPC
		19	6	1 57.77	19	23.85	155	15.51	1.40	1.1		13	0	114	.12	3	.7	.4	SPC
		19	6	3 11.82	19	23.51	155	15.05	1.75			9	0	98	.07	3	.6	.3	SPC
		19	6	3 39.09	19	23.50	155	14.83	2.00	1.0		9	0	98	.09	3	.7	.0	GLN
		19	6	6 25.09	19	23.46	155	15.02	2.51	1.0		12	0	97	.05	3	.4	2.3	SPC
		19	6	8 15.08	19	23.59	155	15.09	1.39			10	0	95	.08	3	.5	.3	SPC
		19	610	1.98	19	23.55	155	15.21	2.00			11	0	95	.11	3	.8	.0	SPC
		19	610	35.59	19	23.43	155	14.95	1.47			9	0	100	.07	3	.6	.4	GLN
		19	610	51.68	19	23.23	155	14.83	2.00			10	0	107	.09	3	.7	.0	GLN
		19	612	47.57	19	23.71	155	15.15	2.62			8	0	89	.04	3	.1	.7	SPC
		19	613	33.83	19	23.63	155	15.29	1.32	1.4		14	0	65	.09	3	.4	.3	SPC
		19	618	1.62	19	23.40	155	14.94	1.49			10	0	101	.08	3	.6	.4	GLN
		19	618	41.60	19	23.54	155	15.21	1.74	1.3		17	0	51	.08	3	.3	.3	SPC
		19	620	43.53	19	23.88	155	15.40	1.08	.9		10	0	89	.14	3	.7	.8	SPC
		19	621	48.83	19	23.63	155	15.11	1.96			9	0	94	.06	3	.5	.0	SPC
		19	623	9.20	19	23.79	155	15.20	1.11	.9		11	0	85	.09	3	.4	.5	SPC
		19	623	50.20	19	23.79	155	15.23	1.31	1.5		19	0	96	.11	3	.4	.4	SPC
		19	624	55.58	19	23.50	155	15.17	2.00	1.0		10	0	98	.12	3	.8	.0	SPC
		19	625	8.30	19	23.50	155	15.31	.90	1.4		14	0	94	.11	3	.4	.4	SPC
		19	625	49.55	19	23.70	155	15.19	1.70	2.1		21	0	50	.10	3	.4	.3	SPC
		19	627	45.92	19	23.50	155	15.32	1.96	1.3		13	0	94	.10	3	.6	.0	SPC
		19	633	20.32	19	23.50	155	15.26	1.45	1.7		13	0	96	.07	3	.4	.2	SPC
		19	634	39.89	19	23.28	155	15.52	2.00	1.0		11	0	96	.15	3	1.0	.0	SPC
		19	635	13.73	19	23.62	155	15.23	1.26	.9		12	0	91	.08	3	.4	.3	SPC
		19	635	33.93	19	23.64	155	15.10	1.36	1.6		15	0	92	.07	3	.3	.2	SPC
		19	636	31.16	19	23.63	155	15.35	1.45	1.4		15	0	64	.10	3	.5	.3	SPC
		19	636	57.09	19	23.55	155	15.49	1.61	.9		14	0	86	.08	3	.4	.3	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	19	639	46.02	19	23.51	155	15.24	1.51	.9		11	0	96	.08	3	.4	.3	SPC
		19	640	22.69	19	23.56	155	15.20	2.00			12	0	95	.13	3	.9	.0	SPC
		19	644	48.36	19	23.85	155	15.27	1.98	.9		12	0	82	.11	3	.7	99.0	SPC
		19	645	56.45	19	23.62	155	15.22	1.54	.9		10	0	91	.05	3	.3	.2	SPC
		19	648	21.44	19	23.50	155	15.25	1.52			10	0	96	.07	3	.5	.3	SPC
		19	649	4.22	19	23.58	155	15.19	1.36			10	0	94	.08	3	.5	.3	SPC
		19	649	37.23	19	23.75	155	15.36	1.59	.9		12	0	99	.10	3	.6	.3	SPC
		19	651	11.44	19	23.51	155	15.50	1.96	.9		12	0	89	.09	3	.6	.0	SPC
		19	652	40.62	19	23.40	155	14.89	2.00	1.0		10	0	101	.12	3	.9	.0	GLN
		19	653	42.78	19	23.69	155	15.17	.89	.9		12	0	90	.09	3	.4	.5	SPC
		19	654	23.27	19	23.41	155	14.95	1.04			10	0	101	.07	3	.5	.3	GLN
		19	7	2 30.55	19	24.06	155	15.68	2.00			9	0	67	.09	3	.8	.0	SPC
		19	7	2 58.87	19	23.70	155	15.46	1.44	.9		12	0	82	.09	3	.4	.4	SPC
		19	7	5 35.67	19	23.63	155	15.26	1.35			9	0	90	.09	3	.5	.4	SPC
		19	7	5 54.62	19	23.95	155	15.39	2.00	.9		10	0	76	.10	3	.7	.0	SPC
		19	7	6 38.62	19	23.72	155	15.16	1.93			10	0	89	.12	3	.9	99.0	SPC
		19	7	8 44.71	19	23.64	155	15.20	2.00	1.0		10	0	91	.10	3	.7	.0	SPC
		19	7	9 29.02	19	23.83	155	15.52	.88	.8		10	0	76	.09	3	.4	.7	SPC
		19	711	14.23	19	23.70	155	15.28	2.00			10	0	87	.10	3	.7	.0	SPC
		19	716	.15	19	23.70	155	15.46	2.00	.9		11	0	82	.13	3	.9	.0	SPC
		19	719	29.48	19	23.43	155	15.05	1.39	1.0		11	0	100	.08	3	.5	.3	SPC
		19	721	21.42	19	23.06	155	14.72	2.00	1.1		9	0	115	.22	3	2.0	.0	GLN
		19	723	36.63	19	24.38	155	15.79	2.00	1.9		18	0	58	.22	2	1.1	.0	SPC
		19	725	14.42	19	23.81	155	15.40	1.23	.9		11	0	80	.10	3	.4	.5	SPC
		19	725	52.76	19	23.39	155	14.85	.11			11	0	101	.12	3	.4	.4	GLN
		19	730	41.27	19	23.40	155	14.89	1.42	1.5		16	0	83	.07	3	.5	.2	GLN
		19	731	7.91	19	23.71	155	15.34	.76	2.1		19	0	55	.09	3	.3	1.2	SPC
		19	731	55.85	19	23.52	155	15.20	.25	1.2		12	0	96	.06	3	.1	.1	SPC
		19	734	40.38	19	23.95	155	15.45	2.00			9	0	75	.10	3	.8	.0	SPC
		19	735	16.68	19	24.24	155	15.29	2.00	1.2		11	0	126	.23	3	1.9	.0	SPC
		19	736	33.25	19	23.72	155	15.22	2.00			11	0	88	.11	3	.8	.0	SPC
		19	741	34.81	19	24.07	155	15.63	1.87			9	0	68	.06	3	.5	.4	SPC
		19	742	58.71	19	23.77	155	15.35	2.00	.9		11	0	83	.11	3	.8	.0	SPC
		19	744	21.01	19	23.45	155	15.01	1.35			11	0	100	.08	3	.4	.3	SPC
		19	753	6.95	19	24.23	155	15.49	2.00	1.1		14	0	76	.19	2	1.1	.0	SPC
		19	755	25.07	19	25.28	155	29.08	8.46	2.2		25	0	109	.18	14	1.3	2.2	UKF
		19	757	17.06	19	23.85	155	15.27	2.00	.9		10	0	82	.10	3	.7	.0	SPC
		19	757	32.78	19	23.90	155	15.32	2.00			10	0	79	.12	3	.8	.0	SPC
		19	758	56.87	19	23.62	155	15.08	2.00	1.5		17	0	51	.21	3	1.0	.0	SPC
		19	8	2 20.18	19	23.78	155	15.45	.24	1.1		11	0	80	.08	3	.3	.2	SPC
		19	8	3 50.67	19	23.90	155	15.29	2.00			10	0	79	.10	3	.7	.0	SPC
		19	8	7 23.45	19	23.69	155	15.35	1.47			8	0	158	.05	5	.4	.3	SPC
		19	8	7 47.63	19	23.98	155	15.47	2.00			10	0	73	.18	5	1.5	.0	SPC
		19	8	7 58.36	19	23.68	155	15.46	2.00	1.7		10	0	109	.20	5	1.6	.0	SPC
		19	816	.22	19	23.89	155	15.19	.48			7	0	136	.14	3	2.1	2.3	SPC
		19	829	.19	19	23.75	155	15.79	.33			9	0	103	.15	3	1.2	1.1	SPC
		19	832	5.26	19	23.71	155	15.47	.94			10	0	82	.11	3	.5	.7	SPC
		19	833	32.63	19	23.85	155	15.50	.08			11	0	76	.09	3	.3	.2	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	19	835	56.40	19	26.18	155	17.06	2.59			9	0	253	.10	5	2.5	3.4	SPC
		19	836	40.42	19	23.73	155	15.39	.27			10	0	98	.08	3	.5	.2	SPC
		19	841	58.91	19	23.94	155	15.34	.15			13	0	77	.07	3	.5	.5	SPC
		19	844	19.49	19	23.71	155	15.36	2.00			15	0	84	.21	5	1.2	.0	SPC
		19	845	5.47	19	24.25	155	15.48	2.00			13	0	78	.20	2	1.2	.0	SPC
		19	846	20.78	19	23.75	155	15.19	2.00			9	0	87	.09	3	.7	.0	SPC
		19	849	45.96	19	23.63	155	15.39	.28			11	0	87	.12	3	.4	.5	SPC
		19	853	29.57	19	23.81	155	15.44	2.00	.9		11	0	79	.21	3	1.5	.0	SPC
		19	854	41.82	19	23.76	155	15.60	.62	.8		11	0	76	.08	3	.3	1.4	SPC
		19	858	16.36	19	23.80	155	15.61	.38	.8		11	0	75	.12	3	.5	.7	SPC
		19	858	27.26	19	23.59	155	15.21	.17	2.1		18	0	51	.09	3	.2	.2	SPC
		19	9	1 28.33	19	23.66	155	15.48	.27	.9		11	0	83	.09	3	.4	.4	SPC
		19	9	2 19.34	19	23.73	155	15.60	.62	.8		11	0	77	.07	3	.2	1.3	SPC
		19	9	3 48.14	19	23.41	155	14.88	2.00	1.0		10	0	101	.07	3	.5	.0	GLN
		19	9	4 48.33	19	23.86	155	15.43	.15	.8		10	0	117	.10	3	.7	.7	SPC
		19	9	7 24.37	19	23.83	155	15.49	1.28			11	0	77	.12	3	.5	.5	SPC
		19	9	8 17.67	19	23.81	155	15.54	.60	1.1		11	0	76	.07	3	.2	1.2	SPC
		19	9	8 56.97	19	23.74	155	15.62	.39	.8		11	0	76	.12	3	.5	.7	SPC
		19	9	9 48.32	19	23.77	155	15.37	.33	.9		10	0	82	.09	3	.4	.3	SPC
		19	910	42.86	19	23.70	155	15.34	2.00			9	0	85	.17	3	1.4	.0	SPC
		19	913	2.35	19	23.56	155	15.13	1.48			10	0	96	.05	3	.3	.2	SPC
		19	918	44.51	19	23.79	155	15.55	.53	.8		11	0	77	.08	3	.3	.4	SPC
		19	923	12.97	19	23.87	155	15.45	.20			11	0	77	.08	3	.3	.2	SPC
		19	924	19.11	19	23.81	155	15.61	.35	.8		11	0	75	.12	3	.5	.6	SPC
		19	927	41.13	19	23.65	155	15.46	.39	.9		11	0	84	.07	3	.3	.4	SPC
		19	929	58.38	19	23.43	155	14.76	2.00	1.0		11	0	100	.21	3	1.5	.0	GLN
		19	931	13.94	19	23.56	155	15.02	2.00	1.6		18	0	50	.20	3	1.0	.0	SPC
		19	934	39.77	19	23.78	155	15.55	.53	.8		11	0	77	.08	3	.4	.5	SPC
		19	936	32.75	19	23.73	155	15.66	.39	.8		11	0	75	.11	2	.6	.6	SPC
		19	940	41.09	19	23.49	155	15.08	.19	1.0		11	0	98	.06	3	.2	.2	SPC
		19	945	59.30	19	23.64	155	15.59	.94	2.1		20	0	52	.11	2	.3	.4	SPC
		19	10	1 55.55	19	23.75	155	15.56	.61			9	0	101	.10	5	.5	2.6	SPC
		19	10	5 13.35	19	23.81	155	15.43	1.63	1.2		11	0	79	.05	3	.2	.2	SPC
		19	10	6 18.39	19	23.77	155	15.61	.57	1.1		11	0	76	.10	3	.5	.5	SPC
		19	1011	33.33	19	23.70	155	15.54	2.00	1.2		11	0	80	.15	3	1.0	.0	SPC
		19	1012	57.93	19	23.63	155	15.52	.41			10	0	83	.16	3	.7	.9	SPC
		19	1014	14.83	19	23.36	155	14.92	2.00	1.0		10	0	103	.09	3	.6	.0	GLN
		19	1020	1.44	19	23.30	155	15.30	2.00	1.3		11	0	104	.20	3	1.4	.0	SPC
		19	1020	58.59	19	23.76	155	15.74	.76	.8		11	0	72	.06	3	.4	2.0	SPC
		19	1024	17.30	19	23.55	155	15.38	.26			9	0	98	.08	3	.4	.4	SPC
		19	1031	51.11	19	23.96	155	15.62	2.00	1.1		10	0	71	.19	3	1.4	.0	SPC
		19	1038	27.61	19	23.70	155	15.60	.56	.6		11	0	78	.11	2	.3	.3	SPC
		19	1041	12.67	19	24.11	155	15.51	2.00	.8		9	0	120	.18	3	1.7	.0	SPC
		19	1045	58.93	19	23.73	155	15.31	1.52	.9		11	0	85	.07	3	.4	.3	SPC
		19	1052	12.28	19	23.92	155	15.30	1.61	1.6		16	0	103	.07	3	.3	.2	SPC
		19	1053	42.43	19	23.76	155	15.31	2.00	.9		9	0	98	.11	3	1.1	.0	SPC
		19	1054	37.93	19	24.42	155	14.71	4.51	1.1		7	0	132	.13	4	1.2	2.4	GLN
		19	1055	53.35	19	23.83	155	15.82	1.84	1.1		9	0	124	.09	3	1.6	.5	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	19	1058	9.45	19	23.94	155	15.98	1.89	1.8		16	0	62	.13	3	.8	.4	SPC
		19	11 6	7.50	19	23.81	155	15.65	2.00	1.6		15	0	108	.24	3	1.6	.0	SPC
		19	1113	49.89	19	23.59	155	15.54	2.00	1.7		11	0	110	.21	2	1.6	.0	SPC
		19	1122	3.28	19	23.48	155	15.39	3.52	3.4		24	0	61	.15	5	.6	1.4	SPC
		19	1124	22.71	19	23.78	155	15.76	.13	2.5		13	0	58	.10	3	.3	.2	SPC
		19	1129	10.04	19	24.02	155	16.68	6.52			8	0	127	.11	2	2.9	7.2	LPC
		19	1129	36.67	19	24.27	155	15.64	1.04	2.1		9	0	78	.05	3	.2	.3	SPC
		19	1131	58.40	19	23.78	155	15.74	1.59	1.1		8	0	71	.09	3	.6	.3	SPC
		19	1132	17.31	19	23.72	155	15.93	1.00	2.5		12	0	73	.17	2	.5	.6	SPC
		19	1226	53.45	19	24.20	155	16.75	1.00	1.0		13	0	57	.11	2	.5	.4	SPC
		19	1228	27.78	19	24.23	155	16.70	1.00			14	0	60	.14	2	.6	.4	SPC
		19	1641	48.23	19	48.75	155	34.27	14.94	3.2		22	0	102	.15	31	1.1	5.3	KKU
		20	038	46.56	19	24.41	155	16.78	15.03	2.5		28	0	37	.10	2	.6	.9	DEP
		20	248	32.57	19	24.42	155	16.70	15.63	2.3		26	0	46	.09	5	.6	1.1	DEP
		20	546	12.89	19	25.99	155	23.78	7.76			17	0	81	.15	8	1.1	1.8	UKF
		20	1626	48.64	19	25.16	155	30.22	9.65	2.4		22	0	60	.17	15	1.0	.7	MOK
		20	2048	52.82	19	24.37	155	17.73	13.74	2.1		21	0	41	.10	5	.6	1.2	DEP
		20	2222	39.31	17	16.71	155	38.63	8.00	4.2		25	0	338	.15	218	84.0	99.0	DIS
		20	2236	14.13	19	24.27	155	16.88	13.66	1.6		21	0	46	.10	5	.6	1.2	DEP
		21	528	13.94	19	24.47	155	17.00	17.73	2.5		31	0	30	.12	2	.7	1.2	DEP
		21	625	42.24	19	24.70	155	26.20	8.42	1.7		22	0	61	.14	11	.8	1.8	UKF
		21	1049	45.70	19	27.01	155	29.60	6.92	2.2		20	0	75	.15	12	.9	2.4	UKF
		21	1353	19.03	19	23.19	155	23.04	10.43	1.9		18	0	53	.09	8	.5	.7	UKF
		21	18 7	50.42	19	20.72	155	12.86	31.75	3.4		30	1	63	.10	6	.9	1.1	DEP
		22	119	13.74	19	25.62	155	35.86	.35	2.9		23	0	72	.19	20	1.1	61.6	MOK
		22	533	46.55	19	23.58	155	28.74	9.09	1.9		24	0	53	.14	14	.9	1.5	UKF
		22	1951	13.94	19	18.77	155	12.64	8.14	1.7		18	0	97	.12	8	1.0	2.0	POL
		22	2036	6.77	19	22.28	155	24.47	9.44	2.5		24	0	66	.14	9	.8	.8	UKF
		22	22 5	1.46	19	22.02	155	24.03	9.61	1.7		15	0	74	.06	8	.5	.5	UKF
		23	043	31.77	19	20.34	155	19.60	1.48	1.4		12	0	109	.07	6	.5	.0	SWR
		23	719	38.40	19	30.66	155	54.57	10.25	2.7		13	1	218	.20	33	4.1	.9	KON
		23	830	19.53	19	24.46	155	17.13	16.11	1.7		19	0	43	.11	5	.8	1.5	DEP
		23	937	4.50	19	24.51	155	36.34	.14			16	0	105	.14	24	1.2	76.7	MOK
		23	1046	33.03	19	25.76	155	35.82	3.47	3.2		20	0	74	.16	20	1.0	2.1	MOK
		23	1129	35.88	19	20.18	155	9.83	6.89	2.1		16	0	80	.09	7	.6	1.3	UER
		23	1528	57.66	19	24.03	155	15.84	1.60	1.4		16	0	112	.06	3	.3	.2	SPC
		23	1537	33.52	19	24.50	155	17.16	15.59			24	0	46	.09	4	.6	1.0	DEP
		23	1813	2.21	19	24.40	155	17.15	15.40	3.4		31	0	31	.10	2	.6	.8	DEP
		23	1817	38.65	19	24.15	155	17.39	14.74	2.0		27	0	38	.08	2	.5	.8	DEP
		23	1855	54.53	19	24.23	155	17.19	15.55	1.7		21	0	50	.06	2	.5	.7	DEP
		23	1918	38.04	19	24.56	155	17.29	15.17	1.6		22	0	58	.09	2	.7	1.0	DEP
		23	2117	12.47	19	24.06	155	16.12	1.63	1.4		14	0	107	.10	2	.5	.3	SPC
		23	2150	46.50	19	24.40	155	17.03	15.41			25	0	36	.09	2	.7	1.0	DEP
		24	020	27.53	19	18.34	155	13.18	8.13			14	0	90	.06	8	.6	1.5	POL
		24	022	22.01	19	24.31	155	16.17	1.72			11	0	129	.04	2	.3	.1	SPC
		24	025	11.75	19	24.37	155	17.20	15.18	1.6		19	0	46	.06	2	.6	.7	DEP
		24	146	50.45	19	22.89	155	30.14	8.84	2.0		21	0	99	.09	13	.6	.9	MOK
		24	210	13.15	19	21.83	155	5.36	7.70	3.0		27	0	119	.13	9	.7	1.1	MER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	24	340	44.17	19	23.40	155	27.81	9.84	1.9		22	0	54	.14	13	.9	.5	UKF
		24	544	18.21	19	11.38	155	36.35	9.83	2.9		25	0	118	.17	24	1.4	.6	HEA
		24	937	28.80	19	24.28	155	16.91	15.78	2.6		31	0	46	.11	2	.7	.9	DEP
		24	938	44.61	19	24.51	155	17.04	16.51			19	0	53	.09	2	.9	1.2	DEP
		24	949	58.80	19	25.04	155	17.02	14.56			15	0	92	.09	5	.9	1.5	DEP
		24	1015	41.40	19	24.61	155	17.14	15.89	1.7		18	0	73	.08	2	.8	1.0	DEP
		24	1140	10.97	19	18.83	155	13.53	11.14			17	0	131	.09	7	1.1	3.6	POL
		24	1233	37.78	19	24.64	155	36.19	4.62	2.7		13	0	106	.11	24	.8	2.1	MOK
		24	1411	16.56	19	24.42	155	17.12	15.15	1.6		17	0	60	.06	4	.6	.8	DEP
		24	1624	55.81	19	24.43	155	17.31	13.47	2.2		25	0	48	.09	2	.6	.8	DEP
		24	1759	1.90	19	25.58	155	35.87	.59	2.2		21	0	72	.20	23	1.4	83.2	MOK
		24	1850	39.62	19	33.46	155	44.10	8.19	2.8		20	0	87	.16	21	1.1	1.3	MOK
		24	2116	40.86	19	24.47	155	17.02	14.40	1.6		20	0	62	.05	2	.4	.6	DEP
		25	137	13.93	19	26.33	155	29.53	5.40	1.9		15	0	84	.09	13	.6	1.2	UKF
		25	332	37.22	19	18.93	155	15.02	7.59	1.9		26	0	90	.12	7	.7	1.0	KOA
		25	346	11.86	19	18.34	155	14.96	7.67			17	0	131	.04	6	.3	.5	POL
		25	5	6	2.57	19	26.79	155	26.76	8.30	1.8	21	0	72	.12	11	.7	2.1	UKF
		25	659	55.70	19	24.31	155	23.53	9.38	2.1		28	0	58	.12	8	.5	.8	UKF
		25	737	5.27	19	24.41	155	16.97	15.66	2.2		32	0	43	.10	2	.6	.9	DEP
		25	1623	50.56	19	24.19	155	23.63	9.92	2.1		19	0	57	.13	8	.8	.7	UKF
		25	2026	23.81	19	19.96	155	11.59	7.49	1.7		24	0	84	.13	6	.8	1.3	UER
		25	2040	10.10	19	21.55	155	1.46	6.61	2.1		22	0	174	.17	15	1.6	2.1	MER
		26	2	8	54.54	19	25.63	155	28.29	8.09	1.8	25	0	65	.16	14	.9	2.7	UKF
		26	3	9	22.04	19	24.51	155	17.02	15.42	1.7	25	0	37	.11	2	.7	1.1	DEP
		26	449	37.12	19	24.12	155	17.33	15.44	1.7		20	0	43	.07	2	.6	.9	DEP
		26	556	51.18	19	24.49	155	17.16	14.91			18	0	45	.05	2	.5	.7	DEP
		26	6	5	34.56	19	24.92	155	25.25	7.68	1.7	23	0	65	.16	9	.9	2.0	UKF
		26	845	12.37	19	24.13	155	15.76	2.02	1.1		10	0	122	.04	3	.3	13.1	SPC
		26	949	25.03	19	24.08	155	15.84	1.80	1.2		12	0	63	.05	3	.3	.2	SPC
		26	1622	1.96	19	24.84	155	16.77	15.13	2.2		27	0	109	.08	2	.5	.7	DEP
		26	1831	26.83	19	14.22	155	32.98	8.02	2.5		22	0	121	.15	18	1.2	1.8	LSW
		26	2010	32.04	19	23.57	155	30.42	9.72	2.1		27	0	50	.14	14	.8	.5	MOK
		26	2012	5.88	19	22.48	155	24.30	9.27			15	0	82	.06	8	.5	1.2	UKF
		26	2238	48.95	19	29.84	155	39.52	6.86	2.3		13	0	132	.17	27	1.8	4.0	MOK
		27	259	8.89	19	20.95	155	47.33	7.52	2.5		20	0	101	.13	21	1.1	.9	KOA
		27	342	37.56	19	24.23	155	17.29	13.27	1.6		22	0	54	.09	2	.7	.9	DEP
		27	430	44.43	19	22.97	155	26.18	7.77	2.1		26	0	59	.15	12	.8	1.7	UKF
		27	5	9	52.37	19	16.28	155	16.32	27.59		21	0	184	.06	7	.9	1.4	HLP
		27	15	4	14.18	19	26.27	155	36.35	5.71	2.6	13	0	131	.11	21	1.1	2.0	MOK
		27	1852	41.62	19	23.94	155	25.58	6.09	1.7		13	0	136	.08	10	1.1	3.3	UKF
		27	2223	29.25	19	21.53	155	26.68	8.90	2.1		24	0	63	.10	10	.6	1.6	HEA
		28	035	37.53	19	19.68	155	13.66	7.17			21	0	74	.12	6	.7	1.2	UER
		28	128	52.13	19	21.16	155	25.00	6.34	1.7		11	0	100	.07	9	.9	2.2	HEA
		28	317	44.12	19	18.40	155	16.46	6.67	1.6		23	0	115	.09	6	.5	1.2	KOA
		28	319	58.56	19	23.89	155	28.19	10.67	1.9		12	0	239	.06	14	3.3	6.9	UKF
		28	512	25.45	19	24.20	155	16.20	1.83	1.0		12	0	68	.05	2	.4	.2	SPC
		28	9	0	54.97	19	20.00	155	12.52	7.65		16	0	75	.07	6	.6	1.1	UER
		28	913	18.49	19	20.25	155	19.59	3.46			12	0	111	.04	6	.4	2.2	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JUL	28	1228	59.57	19	25.04	155	16.97	13.71			19	0	92	.11	5	.9	1.4	DEP
		28	1314	3.02	19	22.14	155	23.52	9.51			13	0	60	.04	11	.4	1.7	UKF
		28	1345	8.76	19	22.21	155	25.37	8.47			14	0	101	.07	10	.6	1.4	UKF
		28	1450	35.17	19	29.55	155	39.84	6.01	2.3		18	0	74	.21	27	1.5	3.4	MOK
		28	1539	33.89	19	25.08	155	14.75	21.25			21	0	123	.05	4	.7	1.0	DEP
		28	1820	49.02	19	22.67	155	25.33	9.36	2.6		30	0	53	.13	10	.6	.8	UKF
		28	2343	33.47	19	24.38	155	17.16	15.12			18	0	49	.04	2	.5	.5	DEP
		29	0	7 15.96	19	19.37	155	11.59	6.65	1.7		22	0	97	.14	7	.9	1.6	UER
		29	1	3 .63	19	15.04	155	28.13	9.94	2.2		24	0	94	.14	13	1.1	.5	LSW
		29	152	59.18	19	25.45	155	37.13	.44	2.4		14	0	196	.14	19	1.1	74.9	MOK
		29	351	52.92	19	12.73	155	41.33	29.76	2.9		28	0	113	.12	24	1.1	3.2	HEA
		29	7	6 22.07	19	24.12	155	15.83	1.66	1.2		17	0	57	.07	3	.3	.2	SPC
		29	924	41.29	19	20.15	155	9.66	8.34	1.8		16	0	79	.07	8	.6	.9	UER
		29	1145	52.90	19	24.18	155	16.06	1.65	1.9		20	0	65	.09	2	.4	.2	SPC
		29	19	7 30.89	19	21.46	155	17.29	31.07			21	0	44	.07	4	.9	1.9	DEP
		29	2137	59.00	19	24.21	155	25.77	9.07	1.7		19	0	68	.11	11	.7	2.1	UKF
		30	451	3.96	19	25.69	155	36.07	1.73	2.8		20	0	70	.15	20	.8	40.4	MOK
		30	7	4 18.08	19	23.84	154	49.08	38.22	3.5		28	1	282	.12	28	2.2	3.2	LER
		30	1120	24.28	19	26.62	155	25.16	7.91			12	0	144	.11	9	1.2	2.5	UKF
		30	1542	26.49	19	21.25	155	26.09	9.90	1.8		12	0	124	.07	12	.7	2.4	HEA
		30	1716	43.75	19	23.02	155	24.85	7.35	1.8		22	0	90	.11	9	.8	1.4	UKF
		30	1723	5.23	19	25.27	155	27.37	8.43	1.8		15	0	111	.11	12	.7	1.6	UKF
		30	2014	25.82	19	22.88	155	26.27	10.03	1.8		21	0	128	.12	12	1.0	.8	UKF
		31	129	45.46	19	27.37	155	35.81	8.70	2.5		16	0	83	.11	22	.9	1.8	MOK
		31	543	1.47	19	25.64	155	24.66	7.20	2.1		25	0	64	.12	6	.6	1.3	UKF
		31	9	2 36.77	19	18.28	155	13.27	7.84	2.0		21	0	88	.12	8	.8	1.1	POL
		31	12	1 30.41	19	22.15	155	24.61	8.84	2.2		12	0	91	.08	9	.7	1.1	UKF
		31	1829	7.99	19	27.36	155	22.22	7.32	2.4		19	0	95	.08	8	.5	.9	UKF
		31	1844	7.69	19	21.46	155	6.50	6.83	2.4		26	0	98	.14	8	.8	1.2	UER
		31	2022	1.77	19	18.69	155	13.29	7.30	1.7		22	0	81	.11	8	.7	1.4	POL
		31	2046	9.79	19	18.89	155	15.27	7.51	1.6		23	0	116	.07	6	.4	.6	KOA
		31	2221	20.79	19	20.99	155	19.17	3.48	1.3		14	0	88	.08	6	.5	3.2	SWR
	AUG	1	010	49.99	19	18.88	155	13.30	7.57	1.7		16	0	78	.05	8	.4	1.0	POL
		1	1	6 13.02	19	20.67	155	19.16	2.65	1.5		17	0	92	.09	6	.5	3.2	SWR
		1	1440	56.93	19	22.28	155	18.09	1.09	1.6		16	0	60	.09	4	.3	.4	KOA
		1	1514	27.17	19	21.80	155	19.09	29.54	2.3		25	0	47	.11	5	1.1	1.6	DEP
		2	738	28.71	19	17.87	154	58.02	47.33	2.6		28	0	232	.09	22	2.6	4.1	DIS
		2	1517	56.08	19	25.75	155	29.77	10.16			16	0	88	.15	14	1.7	.8	UKF
		3	319	38.07	19	20.70	155	12.98	7.46			22	0	122	.14	6	.9	.9	UER
		3	344	28.96	19	25.07	155	16.51	15.73	2.3		28	0	38	.10	2	.6	.9	DEP
		3	832	6.64	19	23.88	155	28.78	9.16	2.4		24	0	53	.13	14	.7	1.2	UKF
		3	1119	22.92	19	21.74	155	25.69	9.99	2.4		24	0	65	.14	10	.9	.4	HEA
		3	1412	21.92	19	20.14	155	19.02	5.18	1.8		14	0	79	.06	7	.4	.8	SWR
		3	2225	25.11	19	15.69	155	12.86	4.77	1.8		14	0	198	.11	11	2.2	1.0	POL
		3	2319	53.99	19	20.04	155	12.12	7.55			12	0	79	.08	8	.6	1.2	UER
		4	629	21.29	19	26.51	155	27.65	9.10			17	0	86	.08	12	.6	.9	UKF
		4	1235	56.23	19	28.23	156	1.06	33.55	2.8		27	0	233	.15	30	3.5	4.2	KOA
		4	1254	33.73	19	20.43	155	11.92	10.57	1.7		16	0	120	.08	8	.3	2.4	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	4	2320	10.61	19	24.55	155	15.12	29.59	2.1		28	0	46	.10	3	1.0	1.5	DEP
		5	654	41.74	19	19.01	155	15.25	7.23			20	0	112	.15	6	1.0	2.3	KOA
		5	15 3	5.09	19	16.19	155	29.19	6.94	2.0		16	0	83	.18	13	1.3	2.5	HEA
		5	1922	46.43	19	25.76	155	28.80	8.21	2.4		27	0	66	.15	14	.9	2.2	UKF
		6	611	33.40	19	30.78	155	39.73	9.82	2.3		8	0	138	.09	27	2.6	6.1	MOK
		6	1054	7.73	19	20.09	155	12.48	9.15	1.7		23	0	75	.10	6	.7	1.3	UER
		6	1243	17.81	19	24.22	155	25.47	6.97	1.7		16	0	83	.13	10	1.0	2.9	UKF
		6	2051	22.96	19	33.55	155	51.70	.52	2.6		6	0	342	.09	50	28.9	94.7	KON
		6	2355	10.40	19	30.74	155	39.70	7.77	2.3		22	0	131	.14	27	1.5	1.6	MOK
		7	033	46.58	19	18.60	155	13.48	8.32	2.0		25	0	76	.11	7	.7	1.2	POL
		7	547	28.91	19	24.86	155	25.88	8.82	2.0		26	0	61	.12	10	.7	1.0	UKF
		7	949	8.91	19	27.59	155	37.27	1.22	2.2		5	0	217	.11	23	12.5	6.9	MOK
		7	10 8	9.02	19	35.29	155	44.89	.13	2.8		8	0	305	.43	39	44.3	98.0	MOK
		7	1237	34.51	19	32.87	155	39.29	2.01	2.3		6	0	205	.49	28	14.7	.0	MOK
		7	16 5	18.10	19	30.22	155	40.25	9.49	3.1		24	0	53	.15	26	.8	1.2	MOK
		7	19 4	28.55	19	21.90	155	25.70	9.51	2.1		26	0	63	.14	10	.7	.6	HEA
		7	1914	26.85	19	29.76	155	40.73	9.78	2.7		18	0	77	.14	27	1.2	.5	MOK
		7	2021	14.36	19	30.09	155	40.46	9.71	2.7		20	0	76	.12	26	.9	.5	MOK
		7	2023	46.24	19	30.39	155	40.30	7.73	2.7		24	0	53	.11	27	.7	1.2	MOK
		7	2044	36.36	19	30.05	155	40.56	9.56	2.8		21	0	76	.15	27	1.1	.6	MOK
		7	2155	12.07	19	29.62	155	40.01	6.93	2.3		15	0	99	.11	28	.9	1.6	MOK
		7	2334	36.46	19	30.11	155	40.37	6.08	2.3		22	0	76	.16	26	1.1	2.3	MOK
		7	2335	49.82	19	30.09	155	39.89	6.63	2.6		17	0	99	.10	28	.8	1.7	MOK
		8	112	59.37	19	22.47	155	18.33	28.72	4.2		33	0	31	.11	4	.8	1.4	DEP
		8	116	21.30	19	22.49	155	18.26	28.67	2.5		32	0	31	.10	4	.7	1.2	DEP
		8	120	54.77	19	21.51	155	15.73	27.06	2.5		31	0	63	.09	4	.7	1.1	DEP
		8	2 4	34.66	19	21.49	155	15.82	26.17	2.0		23	0	74	.05	4	.5	.8	DEP
		8	1014	49.51	19	22.19	155	15.60	27.94	2.1		21	0	96	.10	5	.9	1.8	DEP
		8	1126	39.24	19	12.20	155	37.55	9.77	2.4		15	0	95	.23	21	1.9	1.4	HEA
		8	1547	29.06	19	21.94	155	17.76	2.23	1.1		9	0	94	.09	3	.7	16.8	KOA
		8	21 8	56.23	19	24.65	155	36.88	1.06	2.5		8	0	104	.13	18	1.5	99.0	MOK
		9	0 5	4.69	19	30.14	155	40.50	5.45	2.6		18	0	131	.12	27	.9	1.8	MOK
		9	438	1.98	19	30.83	155	40.20	5.80	2.6		15	0	80	.16	26	1.4	3.3	MOK
		9	456	41.18	19	30.90	155	39.82	7.39	2.3		15	0	80	.16	26	1.2	2.2	MOK
		9	644	50.74	19	20.62	155	19.13	4.33	1.6		17	0	94	.08	6	.5	1.5	SWR
		9	720	26.66	19	30.30	155	40.37	7.10	2.8		22	0	132	.14	27	1.1	1.5	MOK
		9	1151	42.65	19	25.66	155	25.84	7.73	2.7		25	0	65	.13	10	.7	1.5	UKF
		9	1452	8.09	19	24.48	155	25.97	4.10	1.9		21	0	89	.15	11	.9	1.9	UKF
		9	1520	15.69	19	55.23	155	4.88	40.66	3.0		26	0	240	.13	42	4.7	6.4	KKU
		9	1621	12.17	19	20.54	155	13.36	8.26	1.6		14	0	61	.04	6	.4	1.0	UER
		9	2135	25.60	19	20.15	155	7.35	9.73	1.9		19	0	98	.08	8	.7	3.0	UER
		9	22 5	38.16	19	19.83	155	18.52	4.25	1.9		20	1	63	.15	7	.8	2.4	KOA
		10	517	15.31	19	24.06	155	15.88	1.82	.8		13	0	62	.11	3	.7	.4	SPC
		10	717	46.48	19	29.88	155	40.58	5.62	2.5		18	0	129	.14	26	1.1	3.1	MOK
		10	729	55.34	19	13.62	155	16.75	31.10	2.4		29	0	170	.10	12	1.3	2.0	HLP
		10	944	20.80	19	22.64	155	24.89	9.07	2.0		24	0	52	.12	9	.7	1.7	UKF
		10	1347	6.99	19	24.27	155	23.07	7.59	2.3		22	0	57	.12	8	.7	1.9	UKF
		10	16 4	28.53	19	32.65	155	39.61	6.78	2.8		13	0	89	.21	28	1.9	8.1	MOK

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	11	154	15.58	19	22.50	155	18.07	23.82			22	0	47	.07	4	.9	1.3	DEP
		11	5 6	51.98	19	19.06	155	15.35	7.38	1.6		22	0	92	.09	6	.5	.9	KOA
		11	7 1	9.16	19	50.63	155	22.33	26.15	2.5		21	0	159	.10	38	3.5	5.5	KKU
		11	9 8	1.86	19	22.35	155	18.17	23.62			17	0	60	.09	4	1.2	2.1	DEP
		11	10 5	59.13	19	25.37	155	23.34	7.52	2.3		24	0	62	.11	8	.6	1.1	UKF
		11	10 7	13.10	19	30.67	155	40.39	7.70	2.3		15	0	135	.18	26	2.0	4.9	MOK
		11	10 8	33.20	19	25.13	155	23.27	7.30	1.8		16	0	98	.04	9	.3	.6	UKF
		11	1218	15.07	19	13.11	155	20.02	43.68	2.5		20	0	163	.07	14	1.1	2.5	HLP
		11	1242	10.32	19	20.44	156	1.64	57.11	2.9		22	0	251	.09	43	3.6	5.8	KON
		11	1421	55.26	21	18.97	155	33.05	12.85	3.3		15	0	332	.17	187	79.5	.0	DIS
		11	1443	36.22	21	20.68	155	31.51	3.46	3.4		18	0	333	.15	189	60.5	.0	DIS
		11	17 6	11.97	19	22.43	155	25.90	8.40	1.7		20	0	55	.10	11	.6	1.5	UKF
		11	20 8	38.72	19	32.31	155	39.76	8.88	2.3		7	0	201	.09	28	4.8	3.5	MOK
		11	2044	12.96	19	22.93	155	24.69	8.82	2.3		28	0	53	.12	9	.6	.8	UKF
		11	2057	26.18	19	16.22	155	25.17	43.46			20	0	145	.08	12	1.2	2.4	HEA
		11	21 4	38.22	19	23.79	155	6.58	39.75	2.7		31	0	70	.11	12	1.1	2.5	GLN
		12	858	18.28	19	19.69	155	14.86	7.78	1.9		25	0	77	.13	5	.7	1.0	UER
		12	915	47.09	19	27.05	155	27.16	9.18	2.1		21	0	74	.12	11	.7	1.6	UKF
		12	1126	20.56	19	23.46	155	26.96	8.08	3.5		29	0	45	.14	13	.7	1.0	UKF
		13	253	7.61	19	19.87	155	7.46	9.55			16	0	101	.09	8	.9	4.2	UER
		13	430	16.79	19	19.63	155	12.42	10.96			19	0	83	.06	6	.5	1.9	UER
		13	1358	43.56	19	32.63	155	38.65	2.66	2.7		12	0	146	.19	27	2.1	4.5	MOK
		13	1955	37.96	19	24.91	155	24.64	10.71	1.7		17	0	65	.05	9	.4	.4	UKF
		13	20 2	55.70	19	25.91	155	36.33	3.76	3.6		26	0	85	.12	20	.6	1.3	MOK
		13	20 5	44.33	19	25.72	155	28.44	7.85			13	0	209	.12	14	1.8	2.0	UKF
		13	2012	19.71	19	25.75	155	35.97	.13	2.5		20	0	79	.19	23	1.1	61.2	MOK
		13	2141	47.20	19	19.98	155	10.88	9.44			15	0	100	.06	7	.5	1.1	UER
		13	2245	30.28	19	25.88	155	36.20	3.64	3.1		28	0	51	.14	20	.7	1.5	MOK
		14	3 9	8.03	19	25.29	155	26.45	7.35	2.3		27	0	64	.15	11	.8	2.2	UKF
		14	346	14.32	19	25.89	155	28.70	7.77	1.9		20	0	186	.13	14	1.2	1.9	UKF
		14	454	4.96	19	18.66	155	17.17	33.70	2.6		31	0	113	.09	7	.8	1.4	DEP
		14	616	59.51	19	23.10	155	26.54	6.89	1.7		23	0	80	.10	12	.7	1.5	UKF
		14	7 7	18.22	19	25.13	155	25.05	5.66	1.9		18	0	88	.06	9	.4	1.7	UKF
		14	830	5.87	19	18.47	154	36.58	51.69			23	0	305	.09	53	16.0	13.4	DIS
		14	1327	7.21	19	27.90	155	37.60	5.70	3.0		15	0	255	.12	29	2.9	2.1	MOK
		14	1432	39.61	19	24.16	155	16.29	1.83	1.3		11	0	94	.04	2	.4	.1	SPC
		14	1510	8.43	19	22.01	155	18.28	.27	1.3		12	0	93	.10	4	.5	2.0	KOA
		14	1950	17.34	19	22.20	155	17.86	2.00			12	0	84	.09	4	.6	.0	KOA
		14	1959	14.23	19	23.86	155	23.88	8.13	1.6		21	0	56	.08	7	.5	1.5	UKF
		14	20 1	16.05	19	24.09	155	24.23	10.74	1.7		12	0	125	.05	8	.5	3.0	UKF
		14	2319	59.59	19	12.89	155	37.25	10.11	2.4		19	0	109	.17	24	1.6	.6	HEA
		15	0 2	29.22	19	19.36	155	14.19	8.60	1.6		20	0	88	.10	6	.7	1.5	UER
		15	023	22.80	19	19.40	155	14.18	8.58	1.6		20	0	87	.08	6	.6	1.4	UER
		15	211	43.88	19	23.01	155	17.22	1.67			9	0	103	.06	3	.7	.3	SPC
		15	1319	31.89	19	20.09	155	12.87	7.10	2.7		28	0	70	.14	7	.8	1.2	UER
		15	14 0	41.15	19	24.10	155	28.44	9.74	1.9		14	0	128	.08	14	.8	3.1	UKF
		15	1720	39.77	19	18.48	155	13.23	7.54			17	0	86	.09	8	.7	1.6	PUL
		15	1935	56.69	19	22.17	155	3.90	7.07	2.0		21	0	152	.14	11	1.0	1.8	MEK

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	15	20 8	37.56	19	21.93	155	18.14	.44	1.0		12	0	162	.05	4	.4	1.3	KOA
		16	321	13.98	19	21.09	155	11.55	7.21	1.6		16	0	67	.12	8	.9	1.3	UER
		16	823	10.58	19	19.85	155	10.56	6.48			15	0	117	.12	7	1.5	3.5	UER
		16	1210	.48	19	30.21	155	47.92	7.51	2.5		11	0	189	.13	34	4.3	1.9	KON
		16	1226	25.10	19	20.10	155	13.11	6.76			14	0	67	.08	6	.7	1.8	UER
		16	1233	36.41	18	59.23	155	11.10	42.49	2.7		27	0	264	.11	55	4.3	5.5	PPL
		16	1717	8.79	19	20.92	155	20.14	28.48			11	0	61	.06	6	1.2	3.0	DEP
		16	1730	36.45	19	18.69	155	13.08	7.77			14	0	87	.06	8	.5	1.5	POL
		16	1750	14.21	19	23.04	155	1.66	6.65	2.1		25	0	148	.16	14	1.1	2.0	MER
		16	1951	37.37	19	18.92	155	15.47	7.06	1.6		24	0	96	.08	6	.4	.7	KOA
		16	2137	47.41	19	24.16	155	15.88	1.73	.7		11	0	63	.06	2	.4	.2	SPC
		16	2159	29.64	19	17.83	156	19.73	37.80	3.1		9	0	307	.18	75	13.9	6.8	DIS
		16	2228	12.14	19	23.95	155	16.95	13.56	1.6		18	0	66	.12	2	1.0	1.2	DEP
		16	2247	22.66	19	24.07	155	15.78	1.67	1.3		12	0	64	.05	3	.3	.2	SPC
		17	6 7	41.44	19	24.89	155	17.10	1.59	.2		9	0	109	.11	2	.8	.4	SPC
		17	838	53.05	19	20.23	155	18.81	2.00	1.3		14	0	94	.17	6	1.0	.0	KOA
		17	9 3	48.10	19	17.81	155	14.33	6.36	1.7		13	0	138	.07	8	.6	1.6	POL
		17	10 5	47.08	19	24.29	155	16.31	1.85	.9		10	0	73	.09	2	.8	.3	SPC
		17	1214	6.89	19	24.37	155	17.32	.65	1.1		10	0	93	.13	2	.7	.4	SPC
		17	1329	55.87	19	24.16	155	16.14	2.05	.7		9	0	65	.07	2	.7	2.5	SPC
		17	1432	28.58	19	23.48	155	26.67	7.56	2.2		20	0	55	.10	12	.7	1.7	UKF
		17	1712	11.29	19	25.55	155	26.94	9.71	2.2		15	0	167	.08	12	1.3	5.1	UKF
		17	1733	52.38	19	27.11	155	23.73	1.47	1.7		12	0	88	.14	9	1.1	.0	UKF
		17	1931	56.17	19	22.03	155	18.02	1.94	1.1		10	0	87	.09	4	.8	99.0	KOA
		17	1941	26.64	19	26.77	155	37.83	4.33	2.2		8	0	218	.07	22	2.1	1.8	MOK
		17	20 4	16.32	19	31.36	155	40.22	6.99	3.1		28	0	82	.18	26	1.1	2.0	MOK
		17	2033	44.23	19	18.17	155	13.16	6.34			14	0	95	.07	8	.6	1.7	POL
		17	2252	21.32	19	48.23	156	6.07	23.93	3.6		20	0	245	.10	49	2.2	3.6	KON
		17	2338	12.01	19	22.35	155	23.62	9.86			13	0	100	.06	7	.6	.5	UKF
		18	044	27.53	19	20.78	155	26.13	8.54			12	0	129	.07	12	.6	1.4	HEA
		18	128	48.22	19	27.05	155	29.98	10.62	2.0		15	0	135	.10	13	.9	.9	UKF
		18	2 3	50.67	18	50.24	155	7.47	48.63			14	0	305	.08	58	12.4	8.1	PPL
		18	257	42.06	19	18.09	155	15.02	9.19			12	0	142	.03	6	.4	1.2	KOA
		18	3 8	27.49	19	21.61	155	26.21	5.94			16	0	120	.15	12	1.1	2.4	HEA
		18	337	17.29	19	21.98	155	18.11	1.98	1.5		18	0	71	.08	4	.4	35.9	KOA
		18	348	.01	19	23.96	155	.77	7.40	2.1		25	0	152	.17	16	1.2	1.8	LER
		18	349	38.45	19	20.34	155	13.86	7.31			15	0	69	.08	6	.6	1.6	UER
		18	8 3	5.59	19	12.66	155	28.06	8.45	2.1		22	0	143	.13	16	1.1	1.2	LSW
		18	14 1	25.06	19	22.71	155	4.32	6.44	3.1		28	1	148	.15	12	.9	1.5	MER
		18	1523	7.32	19	22.11	155	17.90	4.00	1.1		9	0	83	.09	4	.3	1.4	KOA
		18	1618	10.74	19	18.80	155	13.27	6.90	1.7		21	0	80	.13	8	.8	1.5	POL
		18	18 5	45.92	19	20.64	155	12.05	8.03	1.9		27	0	70	.12	7	.7	1.0	UER
		18	1811	5.20	19	26.45	155	26.70	11.95	2.4		30	0	54	.15	11	.9	.4	UKF
		18	2212	57.91	19	22.61	155	17.24	1.60	1.4		16	0	84	.10	3	.5	.3	KOA
		18	2249	49.26	19	20.68	155	18.99	5.16	1.9		23	0	79	.13	6	.6	1.0	KOA
		18	2334	36.83	19	28.02	155	28.55	5.22	1.8		13	0	83	.10	13	.7	1.2	UKF
		19	024	22.61	19	22.73	155	25.47	7.84	2.0		24	0	52	.14	10	.8	2.0	UKF
		19	028	42.88	19	22.08	155	25.20	8.28	1.7		21	0	58	.11	10	.7	1.7	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	19	129	52.71	19	31.41	155	48.01	7.61	2.5		16	0	157	.10	29	1.7	1.0	KON
		19	134	39.94	19	31.78	155	47.89	7.10	2.5		16	0	160	.09	30	1.6	.9	KON
		19	256	15.80	19	18.24	155	15.36	5.82	1.6		15	0	140	.11	6	.9	2.1	KOA
		19	5 1	22.05	19	24.03	155	15.95	2.00	.8		12	0	61	.13	2	.8	.0	SPC
		19	533	48.50	19	18.56	155	13.00	7.68			13	0	92	.04	8	.4	1.2	POL
		19	544	4.15	19	19.97	155	12.14	7.07			17	0	80	.12	6	.9	1.5	UER
		19	658	29.21	19	25.96	155	31.35	10.19	2.4		17	0	116	.10	16	1.0	.7	MOK
		19	1440	43.31	19	20.48	155	19.08	3.52	1.7		14	0	92	.06	6	.4	1.4	SWR
		19	1545	9.96	19	11.88	155	19.27	28.68	2.3		17	0	212	.10	16	1.9	2.4	HLP
		19	1743	11.80	19	22.02	155	18.16	.69	1.0		9	0	77	.07	4	.4	2.1	KOA
		20	227	12.50	19	56.68	155	7.84	41.72			26	0	227	.13	39	2.8	4.7	KKU
		20	6 7	54.96	19	20.51	155	11.38	7.11	2.2		25	0	75	.12	7	.6	1.0	UER
		20	740	.74	19	20.46	155	19.14	1.78	1.3		12	0	97	.05	6	.3	99.0	SWR
		20	1456	28.23	19	19.46	155	10.21	8.41			16	0	105	.07	7	.6	1.4	UER
		20	1554	34.85	19	19.80	155	10.32	6.78	1.7		20	0	107	.12	7	.8	1.5	UER
		20	1657	40.53	19	18.44	155	15.67	6.74			18	0	136	.12	5	.9	1.3	KOA
		20	1855	36.10	19	28.14	155	18.35	7.84			13	0	152	.08	6	1.1	1.8	GLN
		20	2238	23.37	19	34.44	155	57.80	8.46	2.7		20	0	242	.15	35	3.2	.9	KON
		20	2318	58.31	19	28.61	155	41.49	9.02			12	0	170	.20	26	3.1	7.0	MOK
		21	421	39.64	19	22.17	155	17.91	1.92			10	0	82	.10	4	.7	.0	KOA
		21	825	13.09	19	26.25	155	24.66	9.06	1.6		11	0	118	.05	11	.6	1.9	UKF
		21	1152	48.44	19	25.07	155	25.31	8.32	1.7		16	0	89	.06	9	.5	.8	UKF
		21	1153	39.62	19	24.51	155	16.61	17.03	1.7		25	0	46	.11	2	.7	1.2	DEP
		21	1247	48.65	19	27.91	155	27.08	9.87	2.1		20	0	80	.16	11	1.1	1.1	UKF
		21	1330	37.18	19	19.22	155	13.86	7.89	1.6		12	0	117	.04	6	.4	1.3	UER
		21	1911	.96	19	23.08	155	17.28	1.44	.8		9	0	168	.07	3	.8	.3	SPC
		21	20 2	22.55	19	22.52	155	25.00	7.13	1.7		12	0	124	.10	10	1.3	3.3	UKF
		21	2016	29.84	19	22.19	155	18.13	.89	1.0		10	0	77	.06	4	.3	.4	KOA
		21	2212	50.31	19	26.40	155	27.14	5.23	2.2		16	0	172	.06	11	.5	.5	UKF
		22	728	49.05	19	22.48	155	23.39	7.25	1.9		23	0	61	.08	7	.5	1.1	UKF
		22	1017	12.65	19	28.26	155	27.42	10.60	2.3		10	0	247	.06	12	6.1	13.8	UKF
		22	16 0	2.28	19	17.93	155	12.89	5.55	1.7		13	0	114	.07	9	.6	1.6	POL
		22	2041	10.63	19	19.26	155	13.77	9.54	1.7		20	0	64	.09	7	.6	2.5	UER
		22	2220	39.73	19	24.11	155	16.12	1.57	.7		9	0	63	.06	2	.4	.2	SPC
		22	2223	56.30	19	18.54	155	15.37	7.58	1.6		19	0	129	.06	6	.4	.6	KOA
		22	2327	8.50	19	24.20	155	15.82	1.68	.7		13	0	66	.08	2	.4	.3	SPC
		22	2330	2.79	19	30.93	155	58.49	7.89	2.7		15	1	293	.32	48	9.6	2.9	KON
		23	448	20.03	19	18.17	155	14.18	8.23	1.7		20	0	117	.14	8	1.0	1.5	POL
		23	10 2	29.77	19	24.12	155	15.76	1.53	1.3		13	0	64	.08	3	.4	.2	SPC
		23	16 9	47.07	19	23.68	155	26.80	3.58			15	0	89	.12	12	.9	2.9	UKF
		23	1718	37.68	19	23.96	155	26.66	3.07	1.8		17	0	89	.10	12	.6	3.0	UKF
		23	1751	32.58	19	25.20	155	26.19	8.16	2.4		25	0	69	.11	11	.7	1.2	UKF
		23	1753	37.16	19	19.01	155	13.40	8.17			21	0	74	.07	7	.5	1.1	UER
		23	1815	1.96	19	18.82	155	13.27	9.84	3.7		29	0	80	.08	8	.5	.3	POL
		23	2057	40.18	19	20.19	155	19.27	1.62			12	0	106	.04	7	.3	99.0	SWR
		23	2145	19.13	19	21.76	155	19.44	12.16			18	0	78	.06	5	.5	.2	SWR
		23	22 8	43.13	19	18.62	155	13.46	8.24			22	0	80	.11	7	.7	1.1	POL
		23	2221	26.52	19	20.37	155	13.82	8.09	1.6		26	0	68	.13	6	.7	1.3	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	23	2234	52.96	19	25.09	155	25.00	8.81			18	0	62	.10	9	.7	.9	UKF
		23	2356	44.10	19	18.19	155	13.42	7.06			18	0	85	.10	8	.8	1.7	POL
		24	012	37.49	19	20.46	155	13.04	7.98			17	0	64	.06	6	.5	.6	UER
		24	038	37.09	19	22.93	155	25.65	9.75	2.9		27	0	53	.12	11	.6	.7	UKF
		24	136	6.06	19	31.55	155	39.27	6.03			7	0	144	.10	28	2.6	5.0	MOK
		24	233	49.06	19	22.77	155	17.01	1.88			9	0	78	.04	2	.4	.2	KOA
		24	550	28.51	19	20.59	155	18.94	4.29	1.4		16	0	91	.06	6	.5	1.2	KOA
		24	925	10.75	19	21.82	155	18.06	2.77	1.1		11	0	80	.10	4	.5	4.8	KOA
		24	1350	1.04	19	17.79	155	15.73	6.12			14	0	152	.08	5	.7	1.8	KOA
		24	1823	42.45	19	20.48	155	19.25	2.14	1.3		14	0	73	.05	6	.4	17.8	SWR
		24	1838	51.14	19	22.29	155	18.00	1.83	1.0		12	0	78	.07	4	.5	.0	KOA
		24	1918	48.99	19	22.09	155	18.26	1.18	1.3		15	0	68	.10	4	.4	.4	KOA
		24	1920	1.55	19	22.40	155	23.86	13.11			13	0	105	.13	8	1.5	3.2	UKF
		24	20 2	24.80	19	23.47	155	27.04	1.36	1.7		18	0	85	.14	13	.8	1.1	UKF
		24	2139	11.67	19	22.70	155	17.36	1.62	1.4		15	0	79	.05	3	.3	.2	KOA
		25	010	29.77	19	12.30	155	20.43	43.30			17	0	188	.09	15	2.5	6.2	HLP
		25	226	43.01	19	26.12	155	29.15	45.30	2.5		20	0	51	.08	13	.9	3.1	UKF
		25	359	28.35	19	23.52	155	27.07	1.17	1.7		18	0	85	.13	13	.8	1.1	UKF
		25	449	1.67	19	22.34	155	24.89	10.65	1.7		17	0	68	.06	9	.5	1.9	UKF
		25	1049	52.58	19	24.30	155	16.31	1.74	.6		8	0	74	.07	2	.7	.3	SPC
		25	1157	29.52	19	24.31	155	17.68	1.59	1.2		11	0	89	.05	2	.3	.2	SPC
		25	1213	25.79	19	20.42	155	18.33	4.45	2.4		23	0	60	.15	6	.8	1.4	KOA
		25	1221	48.81	19	19.96	155	18.60	1.79	1.4		10	0	92	.08	8	.6	99.0	KOA
		25	1222	18.61	19	20.32	155	18.58	6.53	3.3		14	0	141	.18	16	1.5	3.3	KOA
		25	1430	22.58	19	19.79	155	10.87	11.43	2.3		13	0	125	.04	7	.6	2.5	UER
		25	1842	41.22	19	20.47	155	13.13	7.88			18	0	63	.07	6	.6	.8	UER
		25	20 4	15.53	19	45.75	155	13.15	15.90	2.3		26	0	151	.12	25	1.5	10.5	KKU
		25	2312	8.01	19	20.12	155	11.23	11.45			19	0	97	.07	7	.6	2.2	UER
		26	324	45.73	19	22.22	155	6.87	6.64	1.9		25	0	101	.14	9	.8	1.5	UER
		26	9 9	4.46	19	55.77	155	42.11	1.98			16	0	132	.09	30	.8	5.4	KOH
		26	10 5	4.82	19	23.07	155	28.34	5.20			11	0	244	.12	15	3.1	1.3	UKF
		26	1031	36.01	19	22.54	155	23.22	8.48	1.6		15	0	60	.06	8	.5	1.2	UKF
		26	1117	19.92	19	22.18	155	24.41	8.29	1.8		24	0	50	.12	9	.6	1.1	UKF
		26	1218	12.03	19	19.92	155	7.80	6.89	1.9		16	0	163	.16	11	1.5	3.5	UER
		26	16 7	6.22	18	57.60	155	4.74	53.44			14	0	310	.09	46	19.2	21.9	PPL
		26	2012	52.92	19	22.60	155	23.46	6.96			12	0	92	.05	7	.4	1.3	UKF
		26	2013	2.24	19	22.74	155	23.50	7.65	2.7		30	0	52	.13	8	.6	.8	UKF
		26	2015	36.07	19	22.57	155	23.32	8.14	1.6		17	0	61	.06	8	.5	1.3	UKF
		26	2056	46.31	19	22.40	155	23.48	8.33	1.6		13	0	64	.05	7	.5	1.4	UKF
		26	21 1	57.97	19	22.60	155	23.30	9.83	1.9		19	0	52	.07	8	.4	.5	UKF
		26	2338	31.03	19	18.25	155	14.92	9.68			11	0	134	.04	7	.6	2.5	POL
		27	0 3	16.51	19	24.35	155	17.41	.88	.7		11	0	98	.12	2	.5	.6	SPC
		27	215	44.75	19	20.13	155	12.53	7.79	1.6		24	0	73	.11	6	.6	1.0	UER
		27	231	16.59	19	22.63	155	22.88	7.07	1.5		17	0	81	.06	8	.4	.8	UKF
		27	311	4.71	19	14.07	155	20.82	28.35			17	0	155	.07	14	1.1	2.3	HLP
		27	312	12.97	19	27.78	155	.99	47.12			17	0	131	.12	19	3.5	7.7	LER
		27	457	30.63	19	21.09	155	18.98	2.22	1.2		12	0	84	.04	6	.3	9.3	KOA
		27	5 4	18.90	19	23.85	155	48.48	10.32	2.8		17	0	196	.18	24	3.5	.8	KON

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	AUG	27	6 2	55.13	19	24.08	155	15.88	1.57	1.3		14	0	62	.08	2	.3	.2	SPC
		27	913	37.92	19	24.26	155	16.14	1.80	.7		10	0	71	.06	2	.6	.2	SPC
		27	15 8	.77	19	19.88	155	11.02	8.25			19	0	88	.07	7	.5	1.2	UER
		27	19 7	19.73	19	24.28	155	17.10	7.70	1.8		17	0	53	.10	2	.7	.9	LPC
		27	2011	36.79	19	22.54	155	23.06	7.81	1.6		16	0	60	.06	8	.4	1.2	UKF
		27	2021	59.16	19	21.03	155	13.52	7.64	1.6		20	0	74	.09	6	.7	.8	UER
		27	2149	40.83	19	19.97	155	12.36	10.01	4.5		32	0	78	.09	6	.5	.3	UER
		27	2153	44.05	19	19.61	155	12.13	8.29	1.7		14	0	87	.05	6	.5	1.4	UER
		27	2155	31.95	19	19.85	155	12.42	8.16			14	0	79	.05	6	.5	1.4	UER
		27	2158	4.25	19	19.35	155	12.55	7.17			15	0	86	.08	7	.7	1.8	UER
		27	2212	35.22	19	19.85	155	12.24	9.53			12	0	81	.05	6	.6	3.0	UER
		27	2218	58.17	19	20.14	155	17.16	6.29			17	0	105	.14	5	1.1	1.7	KOA
		28	329	25.73	19	34.70	155	43.41	8.76	2.5		11	0	186	.08	19	1.3	1.0	MOK
		28	438	8.45	19	19.75	155	12.47	6.60	1.6		26	0	80	.12	6	.7	1.2	UER
		28	610	48.36	19	25.60	155	16.92	2.02	.4		9	0	202	.12	2	2.2	14.9	SPC
		28	658	5.84	19	24.21	155	24.19	12.15			14	0	74	.05	8	.6	.5	UKF
		28	13 4	35.19	19	17.60	155	17.69	32.24	2.6		28	0	130	.08	9	.9	1.7	KOA
		28	1727	51.07	19	19.86	155	12.40	9.10	1.7		13	0	79	.04	6	.4	1.1	UER
		28	1829	23.10	19	22.67	155	17.52	1.33			8	0	197	.07	3	1.0	.5	KOA
		29	548	45.54	19	21.07	155	6.01	6.21			21	0	99	.16	8	1.1	2.1	UER
		29	643	56.57	19	23.68	155	17.54	8.07	1.6		13	1	141	.19	2	3.3	2.4	LPC
		29	737	38.71	19	23.86	155	16.85	6.93	1.2		14	0	79	.09	2	.9	1.3	LPC
		29	1224	46.90	19	22.96	155	23.82	9.00	1.6		19	0	89	.08	7	.6	.9	UKF
		29	1359	3.21	19	20.06	155	12.10	8.72	2.7		27	0	79	.11	6	.7	1.0	UER
		29	1451	47.19	19	20.08	155	11.61	7.41	1.7		26	0	81	.13	6	.8	1.4	UER
		29	1756	41.05	19	50.06	155	35.67	14.91	2.6		15	0	108	.09	30	.8	6.1	KKU
		29	2026	5.83	19	24.82	155	16.92	10.24	1.7		16	0	106	.08	2	1.0	2.0	LPC
		29	2049	44.31	19	25.06	155	17.18	8.42	1.2		14	0	123	.06	2	.7	1.0	LPC
		29	2315	24.10	19	28.53	155	35.58	1.52	2.5		14	0	111	.14	3	.9	.4	MOK
		30	025	20.96	19	19.22	155	16.07	6.83	1.6		17	0	111	.09	6	.7	1.5	KOA
		30	238	30.94	19	18.63	155	47.09	8.44	2.5		16	1	125	.16	24	1.3	1.0	KON
		30	5 7	4.77	19	24.47	155	16.90	14.42	2.2		31	0	46	.10	2	.5	.8	DEP
		30	743	18.06	19	19.84	155	12.00	9.29	1.7		23	0	83	.09	6	.5	1.1	UER
		30	1830	20.59	19	20.12	155	11.92	8.22	2.0		25	0	79	.11	6	.7	1.1	UER
		30	2227	5.58	19	19.05	155	12.75	10.30			12	0	156	.04	8	.8	3.2	UER
		31	525	26.52	19	22.81	155	17.22	1.71			9	0	107	.04	2	.4	.2	KOA
		31	6 8	41.51	19	21.11	155	3.75	6.87			23	0	142	.12	11	1.0	1.0	MER
		31	638	41.72	19	29.87	155	40.01	8.01			12	0	131	.11	9	1.3	2.2	MOK
		31	1058	7.40	19	28.99	155	26.22	6.79	2.1		14	1	93	.09	15	.7	4.4	UKF
		31	13 0	9.81	19	19.91	155	11.92	9.44	1.9		18	0	117	.12	6	1.1	1.8	UER
		31	1358	52.23	19	25.76	155	28.23	9.60			15	0	110	.10	13	.9	.9	UKF
		31	1740	51.13	19	9.74	155	28.12	6.69			24	0	91	.18	18	1.3	1.7	LSC
		31	19 9	19.90	19	26.33	155	27.17	6.00	2.0		17	0	123	.14	12	1.1	4.0	UKF
		31	2042	58.93	19	21.21	155	17.86	28.50	2.6		31	0	34	.10	4	.8	1.4	DEP
		31	2328	4.11	19	24.38	155	17.65	1.59	.4		11	0	86	.10	2	.7	.3	SPC
		31	2333	1.64	19	24.23	155	16.64	18.83			16	0	62	.07	3	.9	1.3	DEP
	SEP	1	351	14.84	19	20.36	155	19.13	3.52	1.4		14	0	72	.05	6	.5	2.4	SDR
		1	358	40.24	19	34.31	155	33.24	11.27			12	0	176	.09	14	1.1	.5	MOK

HVO EARTHQUAKE SUMMARY LIST

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	RMS DEG	MIN SEC	ERH DIS	KM	ERZ KM	REMK
1974	SEP	1	6 9	56.23	19	28.18	155	36.49	1.10			12	0	201	.13	2	1.4	.5	MOK
		1	1016	30.03	19	20.21	155	19.27	3.56			10	0	105	.06	6	.7	3.2	SWR
		1	1647	30.43	19	24.88	155	29.24	9.21	1.9		23	0	60	.11	13	.6	1.3	UKF
		1	1718	56.38	19	18.24	155	13.26	6.73			15	0	89	.13	8	1.1	3.1	POL
		1	1817	33.05	19	25.73	155	35.85	1.09	2.9		20	0	93	.16	7	.9	1.5	MOK
		1	2111	10.28	19	18.82	155	13.56	9.67			16	0	130	.07	7	.7	2.5	POL
		1	2152	21.59	19	29.15	155	39.27	6.78			16	0	128	.10	24	.9	1.5	MOK
		1	2335	30.84	19	24.14	155	15.88	1.80	1.2		16	0	59	.05	2	.3	.2	SPC
		2	426	11.65	19	1.38	155	27.94	34.97	2.4		24	0	216	.10	28	1.8	3.7	LSW
		2	5 5	20.28	19	21.92	155	18.13	1.81			10	0	82	.04	4	.4	99.0	KOA
		2	529	.57	19	22.47	155	14.78	28.25	2.1		23	0	73	.09	4	1.2	1.7	DEP
		2	1419	21.55	19	19.85	155	12.51	7.01	1.6		18	0	149	.08	6	.5	.8	UER
		2	1549	36.66	19	21.43	155	25.91	10.17	2.1		25	0	72	.10	9	.6	.5	HEA
		2	1610	11.92	19	24.28	155	17.13	7.15	1.1		14	0	70	.14	2	1.3	2.0	LPC
		2	17 4	5.87	19	22.01	155	15.92	29.39	2.1		20	0	66	.09	4	1.4	2.7	DEP
		2	1722	28.71	19	24.55	155	16.53	9.04	1.6		15	0	90	.10	2	1.2	1.8	LPC
		2	1826	56.45	19	24.57	155	17.07	6.37	1.1		13	0	67	.12	2	1.2	1.8	LPC
		3	654	1.99	19	22.12	155	25.33	9.11	1.7		19	0	78	.11	10	.9	1.9	UKF
		3	1143	13.61	19	22.30	155	33.78	24.88	3.1		37	2	47	.11	11	.7	1.4	MOK
		3	1541	50.57	19	11.40	155	45.18	8.31	2.8		16	0	228	.16	33	3.3	1.5	DIS
		3	1650	12.86	19	25.07	155	16.52	8.41	1.2		12	0	119	.12	2	2.0	3.4	LPC
		3	1733	36.20	19	23.28	155	14.32	4.51	1.2		9	0	120	.10	3	.4	1.4	GLN
		3	1959	35.91	19	19.89	155	12.13	8.85			17	0	81	.05	6	.4	1.0	UER
		3	2037	32.03	19	19.56	155	11.20	8.77	1.8		21	0	95	.09	7	.6	1.4	UER
		4	6 0	49.71	19	24.80	155	16.86	8.82	1.6		13	0	108	.12	2	1.5	2.4	LPC
		4	628	4.92	19	27.91	155	27.25	9.38	2.4		32	0	80	.15	11	.7	1.1	UKF
		4	717	34.24	19	19.53	155	11.72	10.28	1.8		16	0	126	.08	6	.9	2.9	UER
		4	943	7.71	19	21.90	155	25.10	9.87	2.0		20	0	69	.09	10	.7	.8	HEA
		4	1042	35.67	19	23.48	155	17.45	4.23	.9		12	0	138	.19	3	2.1	3.0	SPC
		4	1115	18.56	19	24.39	155	27.20	5.66	2.9		21	0	106	.12	13	.8	3.5	UKF
		4	1228	58.78	19	24.35	155	17.65	1.58	1.0		12	0	87	.08	2	.5	.2	SPC
		4	1341	31.01	19	27.25	155	24.28	7.74	2.5		29	0	61	.12	10	.6	1.1	UKF
		4	1352	35.77	19	23.36	155	25.21	8.27	1.7		18	0	85	.09	10	.7	1.0	UKF
		4	1811	50.04	19	28.28	155	35.29	44.73	2.5		19	0	94	.07	5	1.1	2.6	MOK
		4	22 5	57.81	19	24.72	155	24.79	9.10	1.7		23	0	60	.09	9	.6	1.0	UKF
		4	2258	49.66	19	27.49	155	35.22	43.75	2.8		20	0	81	.10	4	1.5	3.9	MOK
		4	23 9	2.61	19	22.43	155	24.86	9.54	1.7		20	0	91	.07	9	.4	.6	UKF
		5	243	39.68	19	19.68	155	15.13	8.31			16	0	93	.07	6	.6	1.6	KOA
		5	428	52.30	19	23.60	155	25.44	5.75	1.9		22	0	58	.14	10	.8	2.6	UKF
		5	615	10.08	19	22.57	155	17.20	2.07	1.0		12	0	87	.08	3	.4	7.4	KOA
		5	750	14.20	19	16.61	155	44.90	9.28	2.5		15	0	229	.18	27	5.4	1.3	HEA
		5	853	20.93	19	20.34	155	12.03	9.80	2.7		28	0	75	.13	7	.8	.5	UER
		5	929	46.74	19	25.83	155	26.42	11.38	1.8		13	0	198	.04	11	1.5	4.5	UKF
		5	1022	10.10	19	25.18	155	29.00	7.77	1.9		20	0	112	.13	15	.9	1.8	UKF
		5	1355	29.56	19	18.47	155	15.49	8.30			15	0	133	.05	6	.5	1.2	KOA
		5	1514	16.56	19	23.92	155	23.94	11.58	1.7		13	0	118	.05	7	.5	1.9	UKF
		5	16 2	41.40	19	26.88	155	27.60	6.75	1.8		15	0	128	.09	12	.8	3.0	UKF
		5	17 6	57.92	19	31.86	155	47.36	6.36	2.5		14	0	93	.12	20	1.1	19.3	KON

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	SEP	5	1722	32.57	19	22.81	155	24.97	10.23	2.0		24	0	55	.10	9	.6	.5	UKF
		5	2044	55.83	19	27.82	155	35.61	49.38	2.6		18	0	113	.10	3	1.6	4.3	MOK
		6	054	32.04	19	24.74	155	30.03	9.39	2.3		28	0	60	.11	12	.7	.8	MOK
		6	6 2	8.84	19	28.67	155	34.42	40.31	2.5		16	0	95	.17	20	3.0	7.2	MOK
		6	11 9	51.10	19	26.77	155	23.78	8.43	1.9		18	0	86	.07	9	.6	1.4	UKF
		6	1324	43.86	19	22.58	155	24.88	9.07	2.0		26	0	69	.08	9	.5	.8	UKF
		6	16 0	6.68	19	18.58	155	12.94	11.04			15	0	159	.03	9	.4	1.2	POL
		6	1916	48.05	19	24.29	155	17.75	1.19	.7		8	0	115	.06	2	.3	.3	SPC
		6	1917	14.77	19	24.36	155	17.77	1.64	.9		11	0	75	.07	2	.3	.2	SPC
		6	1943	37.89	19	19.62	155	11.36	8.72	1.7		21	0	93	.07	6	.6	1.2	UER
		6	2241	19.81	19	22.44	155	17.25	1.48	1.0		10	0	92	.04	3	.4	.3	KOA
		6	2254	8.14	19	28.42	155	34.07	33.44	2.4		14	0	151	.06	4	2.1	3.4	MOK
		7	711	29.40	19	23.25	155	2.91	6.50			14	0	177	.10	13	.9	2.0	MER
		7	739	30.56	19	22.57	155	23.25	10.00	1.6		17	0	63	.08	8	.7	1.2	UKF
		7	1049	.64	19	24.13	155	15.74	1.52	.8		12	0	66	.09	3	.4	.3	SPC
		7	13 5	35.86	19	25.10	155	23.34	10.71	1.9		22	0	64	.05	9	.3	.5	UKF
		7	1326	54.02	19	22.83	155	24.34	9.36	1.7		19	0	55	.09	8	.6	1.6	UKF
		7	1346	31.64	19	20.31	155	10.77	8.33	1.7		12	0	130	.09	7	.9	1.7	UER
		7	1411	11.14	19	19.10	155	15.58	9.10	2.6		28	0	93	.10	6	.6	1.0	KOA
		7	1441	37.63	19	30.79	155	40.19	5.64	2.3		15	0	136	.16	10	1.4	3.2	MOK
		7	1715	38.45	19	21.24	155	13.13	11.77	1.7		17	0	74	.04	6	.4	1.4	UER
		7	22 4	39.42	19	25.52	155	28.78	9.48	1.9		26	0	64	.15	12	.9	1.2	UKF
		7	2357	22.07	19	22.61	155	17.27	1.53	.9		10	0	84	.06	3	.4	.3	KOA
		8	1126	8.20	19	18.78	155	12.80	8.91			15	0	93	.06	8	.7	1.6	POL
		8	1145	8.65	19	20.12	155	5.80	6.31	1.9		13	0	122	.09	8	1.1	2.2	MER
		8	1942	5.53	19	23.09	155	17.24	1.40	.8		10	0	102	.08	3	.7	.3	SPC
		8	2024	31.36	19	24.88	155	26.79	10.12	2.8		30	0	36	.14	11	.8	.4	UKF
		8	2154	43.46	19	20.82	155	13.03	9.25			12	0	119	.03	6	.3	1.0	UER
		9	210	58.57	19	32.92	155	10.17	22.08	2.1		22	0	142	.10	19	1.2	3.0	HIL
		9	1026	30.58	19	22.53	155	22.98	8.52	1.6		13	0	88	.05	8	.5	1.8	UKF
		9	1247	17.05	19	20.80	155	13.19	8.73	1.6		16	0	65	.09	6	.8	1.6	UER
		9	17 5	47.57	19	18.98	155	13.73	9.17	1.7		21	0	66	.09	7	.7	1.5	POL
		9	2114	58.64	19	22.50	155	17.24	2.00	1.0		12	0	89	.11	3	.7	.0	KOA
		9	2250	7.27	19	20.16	155	13.71	8.77	1.6		21	0	69	.09	6	.7	1.4	UER
		10	2 9	49.73	19	23.91	155	17.04	1.66	.6		12	0	71	.08	2	.5	.2	SPC
		10	455	35.20	19	19.57	155	11.93	8.61			14	0	89	.05	6	.5	1.4	UER
		10	529	31.80	19	23.87	155	16.99	1.48	.9		12	0	80	.11	2	.7	.4	SPC
		10	532	4.23	19	23.76	155	17.12	1.71	1.3		15	0	47	.06	2	.3	.2	SPC
		10	1230	14.03	19	19.47	155	14.07	8.37	1.6		15	0	84	.08	6	.7	1.7	UER
		10	1410	49.09	19	19.79	155	14.11	8.93	1.6		18	0	119	.06	6	.4	1.1	UER
		10	1829	29.39	19	26.54	155	26.68	8.73	2.1		27	0	71	.14	11	.8	1.6	UKF
		10	2232	15.26	19	19.72	155	9.31	7.49	1.8		17	0	84	.11	9	.8	1.9	UER
		11	047	58.51	19	21.31	155	7.22	6.48	1.9		19	0	81	.14	8	1.0	2.8	UER
		11	115	18.87	19	19.48	155	9.26	9.52	1.9		18	0	89	.09	9	.8	3.3	UER
		11	4 0	35.17	19	18.96	155	13.23	7.86			15	0	79	.04	8	.5	1.0	POL
		11	921	37.10	19	22.70	155	17.15	1.99			10	0	90	.11	5	.8	.0	KOA
		11	952	32.77	19	22.95	155	24.11	8.94	2.2		29	0	56	.10	8	.5	.7	UKF
		11	1326	49.95	19	23.17	155	27.32	9.04	1.8		18	0	94	.15	13	1.0	3.5	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	SEP	11	1350	41.60	19	24.39	155	16.37	1.71	.6		8	0	80	.09	2	1.0	.4	SPC
		12	513	2.10	19	20.27	155	10.72	8.82	1.7		22	0	81	.09	7	.7	1.4	UER
		12	7	3 18.74	19	22.07	155	25.44	8.26	1.7		19	0	78	.12	11	.8	1.6	UKF
		12	1512	39.39	19	22.24	155	24.33	9.32	2.2		27	0	47	.11	9	.5	.7	UKF
		12	16	3 45.80	19	22.09	155	24.32	9.55	1.7		19	0	52	.08	9	.5	.6	UKF
		12	1617	41.33	19	21.94	155	24.21	8.63	1.7		11	0	126	.07	9	.9	1.2	SWR
		12	1715	10.88	19	22.16	155	24.43	9.29	2.0		22	0	52	.10	9	.6	1.0	UKF
		12	1913	45.52	19	18.61	155	12.52	9.60			13	0	173	.05	8	1.2	3.8	POL
		12	1943	53.37	19	19.41	155	13.07	9.34	2.0		15	0	206	.09	8	1.1	1.3	UER
		12	2157	25.20	19	24.24	155	17.19	15.10	1.6		28	0	49	.06	2	.4	.5	DEP
		12	23	8 7.96	19	24.22	155	17.71	1.45	.7		10	0	111	.04	2	.3	.2	SPC
		13	348	40.83	19	19.87	155	9.82	8.46	1.9		18	0	112	.11	8	1.0	2.0	UER
		13	448	32.16	19	27.49	155	25.76	8.39	2.3		26	0	125	.10	10	.7	1.0	UKF
		13	1849	56.19	19	25.81	155	25.04	9.68			14	0	94	.06	8	.6	2.7	UKF
		13	1932	40.39	19	21.92	155	24.40	12.00			18	0	79	.08	9	.7	2.6	SWR
		13	1959	39.07	19	20.37	155	20.02	1.82	1.4		14	0	116	.06	6	.4	99.0	SWR
		14	114	33.23	19	23.96	155	23.83	9.86			16	0	70	.06	7	.5	2.1	UKF
		14	237	14.46	19	13.34	155	19.17	27.40			15	0	178	.10	13	1.7	3.4	HLP
		14	2119	34.34	19	59.51	155	33.93	40.96	2.8		30	0	172	.10	27	1.2	3.2	KOH
		14	2319	30.19	19	28.22	155	37.14	2.02	2.7		17	0	226	.17	4	2.9	5.2	MOK
		14	2331	59.14	19	20.36	155	19.72	5.50	2.6		26	0	65	.13	6	.6	1.5	SWR
		15	0	4 4.03	19	22.62	155	17.22	1.58	.9		11	0	84	.06	3	.4	.3	KOA
		15	947	24.12	19	21.99	155	24.53	10.61	2.9		28	0	47	.10	9	.6	.4	SWR
		15	1845	55.40	19	24.78	155	16.79	14.93	1.6		22	0	64	.07	2	.6	.8	DEP
		16	328	34.07	19	24.25	155	17.60	1.58	.8		13	0	61	.07	2	.4	.2	SPC
		16	6	2 17.65	19	23.02	155	17.29	1.30	.8		15	0	67	.10	3	.6	.4	SPC
		16	747	30.82	19	24.10	155	16.01	1.33			9	0	62	.10	2	.5	.6	SPC
		16	946	26.22	19	22.84	155	17.14	1.68	.9		12	0	75	.07	2	.5	.2	KOA
		16	1054	38.27	19	24.27	155	16.32	1.80	.6		9	0	72	.09	2	.9	.4	SPC
		16	1353	50.21	19	22.71	155	22.89	8.21	1.9		19	0	61	.06	8	.5	1.1	UKF
		16	1432	44.76	19	21.25	155	29.34	9.34	2.0		20	0	83	.14	16	1.0	1.6	HEA
		16	1510	13.59	19	22.64	155	23.10	9.07			13	0	90	.06	8	.6	2.0	UKF
		16	1548	17.93	19	22.82	155	22.96	7.96	2.2		24	0	60	.07	8	.4	.8	UKF
		16	1614	54.70	19	22.57	155	23.16	10.55	1.6		16	0	86	.06	8	.5	.5	UKF
		16	1657	41.56	19	22.84	155	22.97	8.12	2.4		23	0	60	.08	8	.5	.9	UKF
		16	1715	11.51	19	21.90	155	18.24	.63			13	0	74	.08	4	.4	1.5	KOA
		16	1750	48.02	19	22.53	155	17.25	2.00	1.0		12	0	88	.13	5	.8	.0	KOA
		16	1924	32.18	19	29.27	155	40.26	5.79	2.3		13	0	127	.13	9	1.2	3.9	MOK
		16	1944	22.84	19	23.91	155	16.94	1.75	.6		9	0	79	.07	2	.7	.3	SPC
		17	023	8.12	19	22.59	155	17.25	2.00	.9		11	0	85	.10	5	.7	.0	KOA
		17	756	1.34	19	23.79	155	17.08	2.00	.7		10	0	83	.10	2	.8	2.1	SPC
		17	933	47.14	19	22.19	155	18.01	.95			11	0	80	.05	4	.2	.3	KOA
		17	13	8 34.92	19	22.17	155	17.50	1.58	1.0		12	0	94	.08	4	.6	.5	KOA
		17	1431	55.04	19	25.99	155	29.53	12.28	2.0		15	0	68	.08	12	1.0	.4	UKF
		17	1451	23.43	19	21.89	155	18.14	.93	1.1		13	0	77	.07	4	.5	.3	KOA
		17	1558	55.74	19	20.92	155	3.51	7.26	2.0		13	0	147	.10	11	2.3	3.6	MER
		17	1652	31.31	18	50.52	155	10.11	51.86	2.8		18	0	273	.09	53	4.3	9.0	PPL
		17	1730	2.69	19	21.15	155	4.35	5.72			16	0	89	.11	10	.9	1.8	MER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	SEP	17	1948	34.70	19	23.88	155	17.05	1.83			10	0	81	.05	2	.4	.2	SPC
		17	2145	4.70	19	24.00	155	15.75	1.80	1.1		13	0	66	.06	3	.4	.2	SPC
		17	2156	34.17	19	24.38	155	52.77	11.54	2.9		15	0	159	.13	29	4.2	1.9	KON
		18	527	14.85	19	19.84	155	12.31	8.10	1.7		16	0	80	.05	6	.4	1.2	UER
		18	7	8 49.52	19	21.90	155	18.25	1.96	1.4		17	0	67	.09	4	.4	38.6	KOA
		18	916	54.49	19	19.83	155	12.09	8.66			14	0	83	.05	6	.5	1.8	UER
		18	1042	21.44	19	23.14	155	23.59	10.06	1.6		15	0	91	.07	7	.5	.6	UKF
		18	1043	56.06	19	25.51	155	28.30	11.20	1.9		13	0	112	.10	13	1.2	1.0	UKF
		18	1250	20.68	19	20.29	155	19.24	1.63	1.3		14	0	103	.04	6	.3	.0	SWR
		18	1312	47.24	19	22.05	155	26.45	8.14	1.8		14	0	74	.09	10	.8	1.9	UKF
		18	15	7 16.70	19	22.05	155	24.96	11.24	1.8		18	0	69	.08	10	.6	2.3	UKF
		18	18	9 52.12	19	20.42	155	19.11	2.00			12	0	97	.04	6	.3	99.0	SWR
		18	19	1 53.02	19	22.23	155	17.82	2.00	1.0		10	0	119	.08	4	.7	.0	KOA
		18	2342	6.29	19	21.53	155	18.61	1.44	1.1		13	0	78	.10	4	.6	1.0	KOA
		19	1	2 46.58	19	24.30	155	17.46	2.00	1.3		14	0	62	.12	2	.7	.0	SPC
		19	1	4 33.12	19	24.47	155	17.27	2.00	1.2		10	0	74	.17	3	1.4	.0	SPC
		19	656	20.96	19	19.81	155	14.90	7.69			14	0	76	.07	6	.7	1.1	UER
		19	1551	37.68	19	48.16	155	31.46	28.59	3.3		37	2	100	.11	36	.7	2.8	KKU
		20	123	29.83	19	21.39	155	8.33	8.56	1.8		21	0	69	.09	9	.5	.8	UER
		20	236	29.59	19	29.53	155	40.16	8.29	2.3		12	0	128	.08	9	1.0	1.7	MOK
		20	728	15.03	19	18.26	155	13.29	6.33			13	0	88	.06	8	.5	1.5	POL
		20	1145	50.65	19	27.13	155	37.34	1.70	2.1		9	0	212	.09	5	1.8	.5	MOK
		20	1359	26.95	19	22.85	155	24.20	9.20	1.7		22	0	67	.08	8	.5	1.2	UKF
		20	16	2 49.19	19	23.75	155	24.61	9.03	2.0		28	0	75	.11	9	.6	.9	UKF
		20	2144	11.20	19	20.44	155	13.69	7.66	1.6		23	0	66	.13	6	.8	1.2	UER
		20	22	5 47.77	19	20.50	155	13.05	8.29			17	0	64	.05	6	.5	.6	UER
		20	2216	15.94	19	25.24	155	25.32	11.45	1.7		14	0	67	.06	9	.5	.5	UKF
		21	323	45.56	19	24.89	155	16.73	12.18	1.5		23	0	83	.08	2	.7	.2	LPC
		21	438	18.34	19	28.80	155	25.38	7.44	1.7		15	0	87	.11	12	.9	2.3	UKF
		21	1420	1.22	19	49.85	155	47.51	28.62	2.7		26	0	163	.13	35	1.3	3.9	KON
		21	1427	5.53	19	22.01	155	28.85	9.53	1.9		26	0	79	.12	11	.7	.5	UKF
		21	15	9 8.67	19	23.44	155	17.72	11.74	1.5		21	0	54	.05	3	.4	.2	LPC
		21	1952	13.09	19	19.25	155	13.50	8.03	1.7		26	0	69	.10	7	.6	1.0	UER
		22	4	2 35.90	19	23.25	155	17.72	12.03	2.1		29	0	32	.07	3	.4	.2	LPC
		22	956	38.16	19	23.45	155	17.65	11.72	1.8		21	0	61	.06	4	.5	.2	LPC
		22	16	1 28.99	19	23.37	155	17.56	11.99	1.5		21	0	56	.06	3	.5	.2	LPC
		22	1652	9.41	19	26.06	155	24.83	10.98	1.7		17	0	71	.07	8	.5	.5	UKF
		23	345	16.98	19	23.23	155	17.65	11.98			23	0	59	.07	3	.5	.3	LPC
		23	633	28.30	19	23.51	155	17.69	11.80	1.5		21	0	52	.06	3	.5	.2	LPC
		23	8	2 5.78	19	20.05	155	8.89	7.44	1.8		22	0	73	.12	9	.8	1.9	UER
		23	8	3 53.97	19	19.82	155	8.69	9.60	1.9		15	0	75	.07	9	.7	2.5	UER
		23	1248	20.42	19	17.52	155	16.35	5.87	1.7		10	0	181	.10	5	1.2	2.3	KOA
		23	16	0 16.08	19	22.69	155	24.97	10.14	2.0		20	0	88	.07	9	.6	2.1	UKF
		23	17	4 19.25	19	20.79	155	13.18	10.02			16	0	65	.04	6	.4	1.5	UER
		24	018	57.27	19	20.10	155	25.23	7.30	1.8		19	0	92	.12	7	.7	1.7	HEA
		24	756	2.35	19	31.63	155	42.20	7.35	2.4		14	0	95	.17	14	2.0	6.1	MOK
		24	937	54.02	19	22.76	155	29.94	9.17			17	0	153	.09	13	.8	1.5	UKF
		24	1117	7.80	19	24.28	155	17.19	13.48			23	0	62	.07	2	.6	.6	DEP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	SEP	24	1312	17.39	19	26.47	155	29.61	9.06			19	0	126	.08	12	.6	1.1	UKF
		24	1323	42.23	19	18.75	155	15.80	8.49			20	0	103	.09	5	.5	1.1	KOA
		24	1325	57.79	19	25.12	155	17.10	1.00			14	0	126	.13	2	.5	.3	SPC
		24	2026	33.99	19	28.56	155	36.64	62.99			22	0	113	.11	3	1.8	6.5	MOK
		24	2119	13.77	19	24.08	155	26.23	8.62	3.5		31	0	39	.14	11	.7	1.2	UKF
		24	2245	48.56	19	20.71	155	13.64	7.58	1.2		13	0	62	.04	7	.5	.9	UER
		25	226	25.23	19	19.60	155	10.98	8.84	3.8		24	0	94	.13	7	.8	1.3	UER
		25	232	48.08	19	19.38	155	11.89	9.37			16	0	94	.05	6	.4	1.2	UER
		25	3 6	21.41	19	19.69	155	11.22	8.23			23	0	92	.10	6	.7	1.1	UER
		25	327	27.47	19	25.35	155	36.22	1.07			10	0	98	.13	7	1.1	1.6	MOK
		25	718	25.65	19	18.60	155	15.72	9.05			21	0	131	.08	5	.6	.8	KOA
		25	10 2	30.29	19	21.81	155	25.82	9.02			13	0	71	.06	10	.5	1.3	HEA
		25	1136	37.54	19	20.08	155	8.59	6.46	1.8		17	0	76	.12	9	.8	1.7	UER
		25	1216	4.48	19	23.39	155	26.10	1.67	2.1		21	0	68	.16	11	.9	36.9	UKF
		25	20 2	51.73	19	19.74	155	10.97	8.97	1.8		21	0	91	.09	7	.7	1.3	UER
		25	2018	50.22	20	9.05	155	31.73	27.85	3.8		28	0	229	.09	42	1.7	3.2	KOH
		25	23 6	.26	19	25.44	155	26.01	10.21	1.8		14	0	149	.05	10	.5	.5	UKF
		26	152	30.97	19	25.00	155	24.09	1.24	1.4		11	0	110	.13	9	1.1	.0	UKF
		26	2 6	17.78	19	23.31	155	15.25	30.56	2.3		29	0	59	.09	3	.7	1.5	DEP
		26	335	35.58	19	17.86	155	14.38	8.15	1.7		24	0	128	.08	7	.5	.6	POL
		26	337	51.07	19	2.05	155	25.88	36.61			15	0	219	.10	31	2.4	5.4	LSW
		26	357	25.15	19	2.43	155	25.71	36.59			24	0	204	.09	30	1.6	4.0	LSW
		26	412	39.70	19	23.54	155	15.51	29.57	2.3		29	0	54	.05	3	.4	.8	DEP
		26	546	51.02	19	20.46	155	11.73	7.95	1.8		25	0	75	.11	7	.6	1.0	UER
		26	1140	57.09	19	18.49	155	13.11	9.01	1.7		14	0	161	.04	9	.5	1.2	POL
		26	1221	26.09	19	23.80	155	28.27	8.32	2.2		23	0	71	.13	14	.8	2.2	UKF
		26	2038	37.36	19	18.55	155	15.39	7.59			17	0	129	.05	6	.4	1.0	KOA
		27	1611	45.10	19	24.31	155	17.17	16.54			21	0	43	.10	2	.7	1.4	DEP
		27	19 9	16.39	19	17.70	155	12.89	6.07			10	0	186	.09	9	2.9	4.5	POL
		28	123	5.02	19	19.35	155	15.66	9.77			24	0	106	.11	6	.7	.6	KOA
		28	124	54.63	19	19.41	155	15.69	8.73			22	0	104	.09	6	.6	.8	KOA
		28	425	16.25	19	24.06	155	26.65	6.98			12	0	92	.11	12	1.0	2.7	UKF
		28	1025	33.03	19	17.99	155	12.96	9.22	2.7		29	0	109	.12	9	.6	.7	POL
		28	1110	12.82	19	25.27	155	28.14	8.92			14	0	115	.08	13	1.0	2.3	UKF
		28	1111	2.89	19	25.86	155	28.04	9.72	2.8		32	0	43	.15	13	.8	.4	UKF
		28	1149	2.06	19	17.91	155	13.06	9.11			27	0	107	.11	9	.6	.8	POL
		28	1517	47.27	19	19.49	155	7.86	8.69			15	0	216	.14	11	2.3	1.1	UER
		28	2026	17.68	19	23.72	155	2.60	5.98			20	0	125	.13	15	.9	2.0	MER
		28	22 9	17.21	19	21.59	155	49.83	10.67	2.6		20	0	125	.15	25	1.2	.5	KON
		28	2236	47.28	19	22.97	155	22.78	10.14			18	0	55	.07	9	.5	1.0	UKF
		29	236	28.30	19	22.50	155	25.28	10.48			21	0	95	.08	10	.6	1.1	UKF
		29	238	36.46	19	22.11	155	25.35	9.53	1.9		25	0	56	.13	10	.8	.7	UKF
		29	256	2.59	19	17.99	155	13.25	9.14			21	0	95	.07	9	.5	.6	POL
		29	12 9	18.23	19	27.07	155	21.62	8.51	1.9		14	0	89	.04	7	.4	.9	UKF
		29	2229	43.54	19	30.26	155	40.07	8.77	2.3		12	0	133	.11	10	1.7	2.2	MOK
		30	035	41.51	19	29.88	155	40.59	29.12	2.5		19	0	75	.10	10	1.0	2.5	MOK
		30	136	20.29	19	21.35	155	16.34	33.53	2.5		27	0	65	.08	4	.9	1.7	DEP
		30	456	33.11	19	23.23	155	27.31	7.73	1.8		22	0	67	.14	15	.9	2.1	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	SEP	30	658	42.03	19	20.59	155	12.39	9.62			16	0	77	.04	7	.4	1.4	UER
		30	949	46.59	19	19.01	155	15.29	8.60	1.6		25	0	92	.09	6	.5	.7	KOA
		30	955	37.95	19	18.55	155	15.11	7.57			11	0	125	.04	6	.5	1.4	KOA
		30	1452	24.48	19	29.19	155	28.51	11.09	2.2		19	0	92	.11	12	.8	1.1	NER
		30	1720	43.15	19	19.19	155	13.71	7.99	1.7		20	0	81	.09	7	.6	.9	UER
		30	1757	44.98	19	14.10	155	19.80	33.89	2.6		33	0	158	.09	12	.9	1.5	HLP
		30	1941	24.24	19	22.05	155	25.84	8.18	1.7		15	0	72	.09	11	.6	1.7	UKF
		30	2224	35.63	19	34.87	155	40.68	9.20	2.7		19	0	101	.14	16	1.2	1.1	MOK
	OCT	1	0 5	14.84	19	22.55	155	23.37	10.46	1.7		13	0	60	.07	7	.5	.7	UKF
		1	423	10.25	19	23.83	155	36.04	3.46	2.2		11	0	98	.09	10	.6	2.3	MOK
		1	8 1	45.49	19	19.82	155	11.76	9.35			20	0	86	.06	6	.4	.8	UER
		1	829	31.68	19	25.01	155	35.62	5.17			8	0	171	.05	8	1.4	1.3	MOK
		1	931	32.56	19	25.70	155	28.01	8.88			21	0	117	.16	13	1.1	2.6	UKF
		1	953	37.26	19	19.58	155	14.94	8.05			16	0	94	.07	5	.7	1.2	UER
		1	1036	29.98	19	39.28	155	22.95	11.11			15	0	135	.13	22	1.6	.5	NER
		1	1058	8.01	19	24.30	155	17.67	1.36	1.1		14	0	63	.09	2	.4	.3	SPC
		1	1059	7.97	19	24.22	155	17.58	2.00	.8		11	0	78	.14	2	1.0	.0	SPC
		1	1333	30.11	19	24.27	155	16.03	1.55	.7		8	0	100	.09	2	.7	.4	SPC
		1	1344	23.49	19	24.27	155	16.35	1.92	.6		8	0	72	.10	3	1.0	.4	SPC
		1	1943	2.23	19	24.14	155	26.47	7.70	2.0		24	0	61	.11	12	.6	1.6	UKF
		1	2023	28.14	19	31.11	155	40.80	1.46	2.3		7	0	322	.16	11	38.8	72.8	MOK
		2	252	55.47	19	20.17	155	12.16	8.35	2.6		28	0	76	.12	6	.7	1.2	UER
		2	7 1	28.77	19	22.78	155	25.48	7.55	2.1		28	0	52	.13	10	.6	1.2	UKF
		2	8 1	19.59	19	23.93	155	24.35	10.52	2.8		21	0	57	.08	8	.5	.3	UKF
		2	9 7	16.92	19	18.36	155	15.29	6.64			16	0	106	.06	6	.5	1.0	KOA
		2	13 7	29.13	19	32.00	155	36.73	10.11	2.7		25	0	148	.14	9	1.5	.4	MOK
		2	1332	.64	19	26.12	155	23.16	11.05			17	0	64	.09	8	.8	.4	UKF
		2	1537	21.79	19	24.07	155	16.02	1.50	1.4		15	0	61	.10	2	.4	.3	SPC
		2	1956	31.16	19	20.25	155	7.98	5.91	2.1		19	0	85	.13	9	1.0	2.5	UER
		3	1440	41.37	19	20.53	155	13.28	9.28	1.6		19	0	61	.08	6	.5	1.3	UER
		3	1810	54.86	19	23.23	155	23.77	9.88	1.6		23	0	57	.07	7	.4	.7	UKF
		3	2014	1.45	19	24.38	155	17.50	14.19	2.5		34	0	37	.07	2	.4	.6	DEP
		3	2123	8.84	19	20.79	155	13.38	8.63	1.6		27	0	58	.13	7	.7	1.2	UER
		3	2251	10.44	19	24.30	155	16.29	1.68	.9		14	0	74	.09	2	.5	.2	SPC
		3	2322	10.76	19	24.30	155	16.33	1.69	.6		10	0	74	.09	2	.7	.3	SPC
		4	119	1.74	19	24.63	155	16.75	17.03			25	0	46	.07	2	.5	.9	DEP
		4	328	17.76	19	25.06	155	26.90	7.42	2.2		27	0	62	.11	11	.6	1.4	UKF
		4	347	18.70	19	30.77	155	54.61	10.04	2.7		11	0	184	.10	33	1.9	.6	KON
		4	642	18.16	19	30.15	155	39.89	9.54	2.3		10	0	133	.08	9	1.4	3.7	MOK
		4	1046	38.22	19	24.25	155	17.90	1.38	1.1		13	0	91	.10	3	.6	.4	SPC
		4	1543	14.75	19	28.41	155	35.67	1.26	2.2		10	0	134	.08	2	.5	.3	MOK
		4	18 8	19.49	19	24.11	155	15.91	1.32	.7		10	0	120	.11	2	.6	.4	SPC
		5	047	5.74	19	26.21	155	37.48	.16	1.6		8	0	207	.08	19	1.7	99.0	MOK
		5	953	3.13	19	20.27	155	11.60	9.24			16	0	87	.06	7	.5	1.2	UER
		5	10 6	52.93	19	24.11	155	26.93	6.13	2.0		23	0	63	.14	12	.8	2.6	UKF
		5	1541	46.70	19	18.94	155	12.76	8.77			18	0	90	.06	8	.5	1.2	POL
		5	1656	26.31	19	19.08	155	15.78	7.82			18	0	114	.06	6	.5	1.0	KOA
		5	1659	47.63	19	24.20	155	16.01	1.74			9	0	103	.05	2	.5	.2	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	5	1738	23.21	19	24.31	155	16.20	1.73	.6		9	0	74	.08	2	.7	.3	SPC
		5	2023	21.02	19	26.30	155	36.78	3.61	2.8		27	0	139	.12	6	.6	1.0	MOK
		5	2216	41.90	19	24.17	155	17.74	1.35	.4		9	0	110	.07	2	.4	.2	SPC
		6	529	27.22	19	24.22	155	16.91	14.80	2.7		36	0	37	.09	2	.5	.7	DEP
		6	633	22.82	19	24.59	155	16.99	14.91	1.9		30	0	42	.09	2	.6	.8	DEP
		6	7	1 48.79	19	25.31	155	23.90	8.72			18	0	72	.10	8	.7	1.6	UKF
		6	1025	57.33	19	23.96	155	17.15	13.95	1.6		17	0	51	.04	3	.4	.5	DEP
		6	1113	7.87	20	.04	155	28.36	42.81			14	0	192	.08	35	1.3	3.0	KKU
		6	1126	17.84	19	24.17	155	16.17	1.80	1.3		14	0	66	.06	2	.4	.2	SPC
		6	1143	1.05	19	17.10	155	1.11	41.67			21	1	264	.08	23	2.5	1.1	MER
		6	14	9 55.16	19	24.00	155	15.90	1.88	.8		10	0	63	.07	3	.6	.3	SPC
		6	15	0 42.44	19	20.80	155	17.10	34.98	2.5		29	0	64	.09	5	1.0	1.7	DEP
		6	15	6 .39	19	24.34	155	16.23	1.84			9	0	76	.08	2	.8	.3	SPC
		6	1544	9.73	19	24.26	155	17.75	1.46	.7		9	0	114	.08	2	.7	.4	SPC
		6	1612	18.58	19	20.29	155	8.61	7.34	2.4		25	0	74	.12	9	.7	1.6	UER
		6	1814	9.23	19	20.30	155	8.44	7.55	1.8		20	0	77	.12	9	.8	2.0	UER
		6	1912	4.17	19	24.22	155	16.02	2.00	.7		10	0	66	.10	2	.7	.0	SPC
		6	1944	19.42	19	24.29	155	15.87	2.00			9	0	106	.12	2	1.0	.0	SPC
		6	2251	39.51	19	18.69	155	14.94	8.00	1.7		19	0	118	.04	7	.3	.5	POL
		6	2252	19.80	19	24.11	155	15.96	2.00			10	0	61	.13	2	.9	.0	SPC
		6	2327	34.55	19	16.03	155	15.39	9.90	2.3		28	0	154	.12	8	.9	.4	HLP
		6	2330	38.05	19	16.23	155	15.63	6.75			16	0	185	.11	8	1.3	1.9	HLP
		7	039	47.92	19	19.05	155	13.28	8.18	1.7		25	0	77	.09	7	.6	.9	UER
		7	638	15.96	19	24.03	155	15.69	1.73	1.4		19	0	61	.07	3	.3	.2	SPC
		7	744	12.87	19	23.90	155	15.01	4.10			9	0	86	.08	3	.2	.7	SPC
		7	1641	30.09	19	24.21	155	17.68	1.15	.7		9	0	108	.10	2	.6	.5	SPC
		7	1727	37.65	19	24.34	155	16.15	2.00	.7		10	0	73	.13	2	1.0	22.5	SPC
		7	1811	54.03	19	24.16	155	16.16	1.66	1.3		14	0	66	.06	2	.5	.2	SPC
		7	1942	56.53	19	24.39	155	16.40	1.93	.6		9	0	80	.05	2	.5	.2	SPC
		7	2012	59.12	19	17.99	155	13.14	7.54			18	0	101	.07	9	.6	.9	POL
		7	21	8 47.22	19	21.74	155	27.19	9.51	2.4		29	0	60	.14	10	.7	.5	HEA
		8	010	45.67	19	24.23	155	16.13	1.63			10	0	68	.10	2	.7	.4	SPC
		8	013	37.48	19	24.28	155	16.02	1.66	1.0		10	0	100	.08	2	.6	.3	SPC
		8	143	1.49	19	24.11	155	15.78	1.70	.8		12	0	116	.06	3	.3	.2	SPC
		8	242	17.75	19	24.20	155	17.81	1.44	.7		11	0	80	.09	2	.4	.3	SPC
		8	618	31.88	19	23.74	155	15.11	1.45	1.8		19	0	56	.11	3	.4	.3	SPC
		8	657	21.27	19	24.34	155	17.55	1.58	.9		13	0	62	.11	2	.7	.3	SPC
		8	824	50.07	19	18.95	155	14.16	7.09			21	0	96	.08	7	.5	.9	POL
		8	1219	54.93	19	24.26	155	16.25	1.78			10	0	71	.08	2	.6	.3	SPC
		8	14	3 34.90	19	24.05	155	15.57	1.34	.8		9	0	126	.07	3	.6	.3	SPC
		8	1612	52.68	19	24.16	155	16.11	1.33			10	0	65	.09	2	.4	.5	SPC
		8	1719	24.58	19	24.13	155	17.77	1.14	.4		9	0	110	.07	2	.3	.2	SPC
		8	2352	24.24	19	24.14	155	15.86	1.59			10	0	63	.09	2	.5	.3	SPC
		9	034	13.50	19	24.07	155	15.91	1.88	1.1		14	0	61	.09	2	.5	.3	SPC
		9	038	20.99	19	24.27	155	16.15	1.76			10	0	70	.09	2	.7	.3	SPC
		9	144	20.71	19	22.50	155	30.47	10.74	3.3		33	0	38	.15	15	.8	.4	MOK
		9	4	2 15.71	19	24.29	155	16.01	1.77			9	0	71	.09	2	.9	.4	SPC
		9	740	25.93	19	26.81	155	27.55	9.33	2.7		32	0	73	.17	12	.8	1.1	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	9	759	33.61	19	25.41	155	50.80	10.39	2.7		17	0	125	.18	26	1.9	.7	KON
		9	1237	55.10	19	22.18	155	28.99	9.96	3.0		33	0	46	.14	11	.7	.4	UKF
		9	1459	4.14	19	20.89	155	12.92	8.79	1.6		21	0	61	.10	6	.8	1.4	UER
		9	1552	28.37	19	24.15	155	16.13	1.41	.7		10	0	65	.11	2	.5	.4	SPC
		9	1836	9.38	19	19.87	155	8.48	6.70	1.8		19	0	79	.11	10	.9	2.0	UER
		9	1931	59.64	19	50.22	155	48.45	19.10	2.7		21	1	168	.11	40	1.5	6.9	KON
		9	21 4	42.14	19	17.97	155	15.60	6.75			14	0	155	.07	5	.7	1.5	KOA
		10	1134	15.31	19	18.42	155	23.31	3.66	2.0		16	0	123	.09	8	.6	1.7	SWR
		10	15 9	36.56	19	24.66	155	16.74	13.07	1.8		18	0	75	.07	2	.6	.6	DEP
		10	22 8	36.81	19	54.43	155	30.41	21.99	3.1		35	1	146	.10	38	.7	2.0	KKU
		10	2251	21.73	19	24.52	155	24.14	6.88	1.7		16	0	128	.06	8	.4	.8	UKF
		11	342	44.60	19	22.25	155	25.16	8.85	1.7		22	0	55	.13	10	.8	1.5	UKF
		11	517	18.16	20	7.26	155	32.82	22.73	2.8		19	0	219	.05	39	1.0	2.2	KOH
		11	648	30.02	19	26.03	155	35.72	.53	2.5		13	0	70	.18	6	1.2	7.2	MOK
		11	816	34.78	19	23.98	155	14.82	4.27	1.1		9	0	96	.09	3	.5	1.8	GLN
		11	1148	15.26	19	22.53	155	11.69	3.60	1.9		13	0	1321	.12	7	11.5	10.7	UER
		11	1335	50.84	19	22.23	155	24.85	10.21	1.7		15	0	79	.08	9	.6	.4	UKF
		11	1337	54.46	19	22.81	155	14.18	2.00	1.3		10	0	128	.20	5	2.3	.0	UER
		11	1454	17.21	19	23.54	155	28.53	10.90			15	0	112	.08	14	.7	2.6	UKF
		11	15 5	36.08	19	20.21	155	19.26	11.50	1.9		23	0	52	.12	6	.8	.4	SWR
		11	1750	40.75	18	57.17	155	28.77	34.61	3.0		31	0	232	.10	36	2.1	3.7	DIS
		11	2030	4.04	19	20.58	155	8.70	6.92			16	0	135	.14	10	1.4	2.1	UER
		11	2143	1.48	19	18.92	155	13.57	9.57	1.7		24	0	82	.09	7	.5	.7	POL
		11	2148	19.51	19	24.27	155	16.08	1.74	2.0		22	0	45	.09	2	.3	.2	SPC
		12	042	36.60	19	23.97	155	15.95	1.82	.8		10	0	62	.10	3	.9	.5	SPC
		12	116	18.87	19	24.08	155	15.64	1.77	.8		9	0	124	.04	3	.4	.2	SPC
		12	237	26.03	19	10.58	155	41.02	7.52			21	0	122	.20	22	1.8	2.2	HEA
		12	345	53.03	19	21.34	155	13.67	6.86			19	0	57	.13	7	.8	1.4	UER
		12	558	27.56	19	24.22	155	16.16	1.75	.8		9	0	69	.06	2	.5	.2	SPC
		12	1145	49.94	19	24.63	155	16.35	18.66	1.8		31	0	46	.09	2	.6	1.0	DEP
		12	1538	18.14	19	24.24	155	16.11	1.74			11	0	68	.04	2	.3	.1	SPC
		12	16 3	35.47	19	25.26	155	16.46	11.88			19	0	93	.11	2	.9	.5	LPC
		12	1725	50.04	19	46.46	155	13.87	51.42	2.8		9	0	339	.30	40	65.7	74.0	KKU
		12	1753	35.73	19	23.10	155	14.72	2.00			9	0	113	.09	3	.7	.0	GLN
		12	1759	40.11	19	24.24	155	15.82	2.00			9	0	110	.10	2	.8	.0	SPC
		12	1833	4.96	19	10.49	155	36.46	5.78			17	0	156	.12	20	1.1	1.8	HEA
		12	2213	28.69	19	17.00	155	23.06	5.96	1.8		17	0	170	.14	8	1.4	3.0	SWR
		13	353	55.84	19	30.99	155	39.54	6.65	2.3		18	0	81	.16	9	1.3	2.5	MOK
		13	452	49.73	19	22.60	155	30.12	10.41	2.1		29	0	56	.10	15	.6	.3	MOK
		13	456	28.89	19	24.70	155	17.25	4.11			8	0	229	.12	3	4.4	5.2	SPC
		13	5 3	26.04	19	24.86	155	24.09	11.80			17	0	64	.06	8	.6	.9	UKF
		13	640	12.63	19	22.86	155	24.81	10.60			16	0	84	.07	9	.6	.9	UKF
		13	649	5.94	19	.57	155	47.27	3.32			7	0	354	.24	69	99.0	99.0	DIS
		13	1036	33.00	21	20.52	155	48.51	32.53			11	0	354	.32221		96.5	96.5	DIS
		13	1240	53.74	19	24.19	155	17.56	1.52	1.1		9	0	141	.06	4	.5	.2	SPC
		13	1435	55.95	19	22.60	155	30.12	10.10	2.0		26	0	50	.11	13	.7	.3	MOK
		13	17 5	23.38	19	24.19	155	17.65	13.97	1.6		20	0	45	.09	2	.8	1.0	DEP
		13	1914	16.96	19	24.43	155	17.21	.68	1.0		12	0	70	.14	2	.6	.3	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	13	2020	26.66	19	22.92	155	16.97	1.84	1.3		20	0	48	.08	2	.5	.2	KOA
		13	2355	35.77	19	22.73	155	24.86	9.80	2.6		23	0	63	.07	12	.5	.5	UKF
		14	032	52.45	19	20.00	155	8.24	7.94	2.0		27	0	151	.11	10	.7	.6	UER
		14	135	30.10	19	24.65	155	24.83	9.48	2.4		30	0	60	.14	9	.7	.9	UKF
		14	149	55.17	19	19.48	155	10.26	6.51			17	0	125	.13	8	1.2	2.0	UER
		14	428	16.15	19	22.82	155	23.33	8.82	1.7		25	0	52	.10	8	.6	.9	UKF
		14	755	52.76	19	19.26	155	14.12	6.81			18	0	89	.07	6	.5	1.3	UER
		14	957	16.35	19	9.90	155	30.81	4.82	2.6		24	0	120	.19	14	1.3	1.8	LSW
		14	1257	23.06	19	24.01	155	15.79	1.51	1.2		13	0	65	.08	3	.3	.3	SPC
		14	1653	15.84	19	22.70	155	28.22	10.04	1.9		27	0	50	.14	12	.8	.5	UKF
		14	1656	49.42	19	24.28	155	16.18	1.72	.7		9	0	72	.10	2	.9	.4	SPC
		14	1724	.92	19	22.78	155	22.74	6.86			12	0	89	.05	9	.4	1.2	UKF
		14	2052	22.29	19	24.24	155	16.08	1.73	.7		10	0	68	.08	2	.6	.3	SPC
		14	22 4	15.41	19	24.25	155	16.10	2.00	1.0		13	0	68	.11	2	.7	5.8	SPC
		15	050	40.93	19	20.37	155	12.21	7.33	1.8		23	0	74	.14	7	.8	1.3	UER
		15	336	27.09	19	22.15	155	28.99	12.34	2.0		20	0	80	.11	11	.8	.4	UKF
		15	337	41.54	19	22.54	155	23.21	7.73			11	0	90	.06	8	.6	2.3	UKF
		15	532	19.15	19	24.06	155	15.95	1.58	1.1		12	0	60	.06	2	.3	.2	SPC
		15	533	16.29	19	24.13	155	16.04	1.62	.7		11	0	65	.08	2	.6	.3	SPC
		15	541	17.43	19	17.59	155	23.55	6.01	1.8		18	0	126	.18	12	1.3	3.6	SWR
		15	6 4	18.60	19	24.23	155	16.02	2.00			9	0	68	.12	2	1.0	.0	SPC
		15	723	58.15	19	24.17	155	15.74	2.00	.8		10	0	67	.14	2	1.0	.0	SPC
		15	750	38.15	19	24.25	155	16.24	1.68	1.1		10	0	71	.11	2	.9	.4	SPC
		15	823	26.46	19	26.73	155	30.48	7.96	2.0		10	0	178	.06	17	1.3	1.3	MOK
		15	838	5.38	19	26.21	155	29.89	9.81	3.5		32	0	41	.14	11	.7	.4	UKF
		15	912	17.84	19	24.28	155	17.58	1.63	1.6		16	0	56	.08	2	.4	.2	SPC
		15	1416	12.35	19	23.55	155	16.36	26.05	3.0		31	0	42	.07	2	.6	1.1	DEP
		15	1432	31.78	19	27.92	155	45.42	8.89	2.5		14	0	163	.10	17	1.2	1.0	KON
		15	1448	41.19	19	55.16	156	34.25	2.98	3.2		23	0	297	.18	86	14.1	99.0	DIS
		15	1959	51.79	19	31.89	155	39.87	6.74	2.3		21	0	85	.22	11	1.5	3.3	MOK
		15	2048	37.15	19	24.12	155	17.77	1.45	.5		9	0	123	.06	2	.4	.2	SPC
		16	015	5.26	19	24.37	155	17.65	1.71	1.9		22	0	39	.08	2	.3	.2	SPC
		16	210	5.73	19	20.14	155	11.87	7.36	1.7		25	0	82	.09	6	.6	.9	UER
		16	438	38.33	19	20.61	155	13.65	7.32			20	0	63	.09	7	.6	1.0	UER
		16	647	45.33	19	19.54	155	8.39	6.94			18	0	154	.14	10	1.1	1.8	UER
		16	727	36.91	19	18.84	155	14.17	6.73	1.6		22	0	98	.09	7	.5	.9	POL
		16	1842	25.46	19	28.49	155	35.72	1.60	2.5		14	0	138	.11	2	.8	.3	MOK
		16	21 8	52.35	19	26.32	155	27.54	12.18	1.9		20	0	95	.10	12	.7	.4	UKF
		16	2152	21.63	19	28.09	155	37.06	.62	2.2		12	0	206	.13	3	1.5	3.6	MOK
		17	9 8	52.32	19	18.64	155	13.12	9.75	2.9		28	0	87	.12	8	.7	.4	POL
		17	1018	58.37	19	18.88	155	13.18	6.96	1.7		18	0	81	.09	8	.6	1.4	POL
		17	1517	33.40	19	43.12	154	56.37	8.62	3.3		16	0	274	.12	46	8.2	1.2	BLS
		17	1851	51.43	19	23.02	155	17.39	1.46	.8		12	0	107	.09	3	.7	.4	SPC
		17	2010	59.94	19	24.23	155	17.87	1.36	1.0		14	0	64	.11	2	.4	.3	SPC
		17	2025	45.92	19	22.96	155	17.33	1.48			9	0	176	.06	5	.7	.3	KOA
		17	2043	38.39	19	30.95	155	47.27	8.24	2.5		20	0	151	.12	20	.8	.8	KON
		17	23 2	15.55	19	16.68	155	19.12	29.04	2.2		27	0	142	.08	10	.8	1.7	SWR
		18	238	44.90	19	28.00	155	35.30	1.07	2.7		24	0	60	.19	3	.8	.6	MOK

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	18	613	26.80	19	24.23	155	16.00	1.83	.7		10	0	68	.08	2	.7	.4	SPC
		18	630	22.09	19	24.32	155	16.37	1.72			8	0	75	.11	2	1.2	.5	SPC
		18	8 9	6.93	19	30.38	155	45.78	6.06	2.5		17	0	143	.11	18	1.4	17.1	KON
		18	10 3	17.73	19	20.62	155	17.56	5.76			17	0	68	.14	5	.9	1.9	KOA
		18	1128	18.98	19	20.36	155	18.09	33.08	2.5		32	0	65	.09	5	.9	1.4	DEP
		18	1237	42.68	19	11.36	155	6.89	52.54	2.9		29	0	212	.09	20	1.6	3.0	POL
		18	2042	20.19	19	21.23	155	18.97	1.46	1.2		14	0	82	.07	6	.4	.6	KOA
		18	2137	42.98	19	21.38	155	16.09	35.89	2.3		17	0	65	.05	4	.8	2.1	DEP
		19	451	36.92	19	22.47	155	17.23	1.39	.9		12	0	91	.07	3	.4	.4	KOA
		19	458	44.50	19	19.16	155	12.81	7.96	1.7		26	0	85	.10	8	.6	.9	UER
		19	5 5	50.69	19	19.74	155	9.04	7.41	2.0		23	0	131	.12	9	.8	1.4	UER
		19	531	1.84	18	58.26	155	27.52	32.05	2.6		24	0	238	.11	34	2.5	4.2	DIS
		19	915	56.44	19	28.09	155	24.50	25.80	2.1		22	0	75	.09	12	.8	1.7	UKF
		19	14 2	26.87	19	20.18	155	9.08	7.86	2.4		10	0	180	.10	12	1.4	2.2	UER
		19	1938	20.62	19	23.22	155	17.14	1.61	1.1		14	0	60	.09	3	.5	.2	SPC
		20	053	17.40	19	20.33	155	20.26	5.90	2.1		22	0	90	.09	5	.5	1.0	SWR
		20	219	55.87	19	20.08	155	12.04	7.61	2.3		28	0	79	.14	6	.8	1.5	UER
		20	226	23.93	19	19.81	155	11.82	9.70	2.9		29	0	85	.12	6	.7	.4	UER
		20	629	52.83	19	20.79	155	19.53	4.77	2.1		25	0	52	.13	5	.6	1.0	SWR
		20	7 9	50.47	19	19.03	155	15.48	7.29	1.6		23	0	114	.08	6	.5	.8	KOA
		20	736	29.43	19	24.25	155	16.05	2.00	.7		10	0	67	.12	2	.8	.0	SPC
		20	933	12.01	19	27.98	155	27.44	6.20	1.8		22	0	81	.13	13	.7	2.8	UKF
		20	939	21.30	18	48.75	154	51.78	37.31	2.9		25	0	293	.13	69	9.2	7.1	DIS
		20	1559	5.28	19	24.15	155	25.29	7.86	2.1		19	0	115	.07	10	.6	1.2	UKF
		20	1757	1.80	19	31.71	155	39.66	7.44	2.3		17	0	84	.24	26	1.8	3.7	MOK
		20	18 9	51.68	19	24.83	155	26.01	7.69	1.7		22	0	65	.16	11	.9	2.0	UKF
		20	1936	51.57	19	22.74	155	24.55	8.62	1.7		21	0	55	.09	9	.6	1.3	UKF
		20	2115	2.45	19	19.67	155	13.33	6.91	1.6		25	0	68	.12	7	.7	1.1	UER
		20	2211	12.83	19	17.43	155	13.11	9.36	2.1		26	0	129	.10	9	.7	.7	POL
		20	2230	45.67	19	20.08	155	9.98	7.02			18	0	125	.11	7	.8	1.5	UER
		21	351	6.27	19	26.72	155	28.68	11.65			18	0	80	.09	14	1.0	.6	UKF
		21	8 6	27.76	19	31.81	155	39.39	5.51	2.3		21	0	84	.16	27	1.0	2.9	MOK
		21	820	3.94	19	24.88	155	16.49	17.18	1.7		29	0	47	.09	2	.6	.9	DEP
		21	1648	44.31	19	6.58	155	27.72	28.22	2.4		15	0	199	.09	23	1.5	3.4	LSW
		21	2131	57.08	19	22.05	155	16.20	26.05	2.0		21	0	61	.07	4	.9	1.4	DEP
		22	321	45.19	19	19.04	155	13.58	9.06	2.5		28	0	69	.09	7	.5	.7	UER
		22	614	7.82	19	20.29	155	10.94	7.83	1.7		25	0	80	.11	7	.7	1.0	UER
		22	810	4.08	19	18.89	155	15.50	7.48			19	0	118	.08	6	.6	.8	KOA
		22	1015	7.17	19	31.68	155	39.38	6.84	2.6		23	0	84	.14	27	1.0	2.0	MOK
		22	1023	3.11	19	20.47	155	13.37	7.17			18	0	62	.09	6	.6	1.3	UER
		22	1737	44.65	19	25.53	155	24.51	8.40	1.9		22	0	63	.11	8	.6	1.4	UKF
		22	1859	49.73	19	24.28	155	17.67	1.51	1.5		16	0	63	.08	2	.4	.3	SPC
		22	2021	33.10	19	24.18	155	16.04	1.64	1.6		22	0	46	.09	2	.3	.2	SPC
		23	358	51.97	19	24.18	155	15.65	1.75	1.9		24	0	51	.11	2	.4	.3	SPC
		23	435	41.69	19	24.39	155	16.05	3.53	.8		10	0	96	.13	2	1.4	2.8	SPC
		23	7 2	10.92	19	23.04	155	17.19	1.39	.8		12	0	66	.08	3	.6	.3	SPC
		23	856	27.66	19	19.29	155	15.08	7.86			22	0	85	.11	7	.8	1.2	KOA
		23	925	45.06	19	18.88	155	15.12	7.80	1.6		18	0	115	.06	6	.5	1.0	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	23	1125	4.91	19	24.29	155	17.54	1.58	1.4		14	0	61	.06	2	.3	.2	SPC
		23	1428	56.26	19	20.22	155	11.63	9.71	2.8		26	0	79	.09	7	.6	.4	UER
		23	1611	18.09	19	19.82	155	11.53	8.90	1.7		19	0	87	.07	6	.6	1.2	UER
		23	1922	29.59	19	27.61	154	52.46	9.15	2.7		23	0	263	.13	23	2.3	.9	LER
		23	2038	24.24	19	22.76	155	17.15	2.00	.9		11	0	78	.12	2	.8	.0	KOA
		24	0	5 24.75	19	19.99	155	11.87	8.45	1.7		18	0	82	.05	6	.4	1.0	UER
		24	012	28.26	19	19.70	155	8.82	8.43	1.8		15	0	78	.06	9	.6	1.4	UER
		24	149	7.04	19	23.20	155	16.93	1.78	.8		14	0	59	.09	2	.6	.2	SPC
		24	228	4.90	19	17.54	155	14.94	8.54	1.7		24	0	126	.09	7	.6	.8	POL
		24	427	28.48	19	23.98	155	15.51	1.67			10	0	72	.07	2	.5	.3	SPC
		24	614	54.72	19	22.19	155	28.62	10.32	3.0		33	0	49	.14	11	.7	.3	UKF
		25	134	27.76	19	18.82	155	15.68	8.21			17	0	122	.05	5	.4	1.1	KOA
		25	549	.08	19	23.74	155	15.19	1.47	.9		12	0	87	.06	3	.3	.2	SPC
		25	1229	28.24	19	22.11	155	17.72	1.83	1.3		9	0	88	.10	5	.9	.0	KOA
		26	014	35.93	19	19.75	155	11.60	8.20			17	0	177	.06	6	.5	.7	UER
		26	542	11.99	19	31.80	155	40.00	7.76			10	0	138	.19	27	2.1	3.9	MOK
		26	652	24.06	19	29.15	154	52.93	10.09			18	0	258	.09	28	3.4	.4	LER
		26	1223	47.86	19	19.48	155	11.55	7.95			18	0	95	.10	6	.8	1.4	UER
		26	1242	35.98	19	21.03	155	6.81	5.89			21	0	90	.15	11	.9	2.5	UER
		26	1320	7.30	19	19.83	155	11.25	9.69	3.4		25	0	89	.08	6	.6	.5	UER
		26	1332	53.23	19	19.51	155	11.42	9.82	2.8		25	0	95	.13	6	1.0	.5	UER
		26	1425	26.74	19	19.97	155	13.71	9.10			11	0	163	.04	6	.8	1.0	UER
		26	2243	16.41	19	18.97	155	15.63	5.58			14	0	117	.09	6	.7	1.7	KOA
		26	23	0 6.26	19	21.36	155	6.01	7.98			16	0	103	.11	8	1.2	3.3	UER
		27	227	59.85	19	24.02	155	15.84	1.52	1.5		13	0	64	.11	3	.5	.3	SPC
		27	238	59.77	19	37.98	155	50.40	23.30	2.7		31	0	154	.13	30	1.5	3.1	KON
		27	519	27.56	19	22.34	155	17.15	1.45			11	0	99	.07	3	.6	.4	KOA
		27	937	30.25	19	26.86	155	30.21	9.47			18	0	132	.12	11	1.1	3.7	MOK
		27	1059	31.37	19	22.17	155	18.10	.91	1.0		10	0	78	.04	4	.2	.3	KOA
		27	1215	20.94	19	22.00	155	18.33	2.44	1.9		17	0	65	.09	4	.4	2.2	KOA
		27	1516	38.07	19	20.57	155	6.70	8.23			17	0	100	.10	7	.9	2.4	UER
		28	247	32.36	19	22.60	155	24.03	9.85			16	0	104	.06	8	.7	.9	UKF
		28	554	34.96	19	22.07	155	18.09	1.00	1.6		16	0	68	.10	4	.3	.4	KOA
		28	6	1 6.01	19	23.15	155	14.71	1.65			8	0	111	.04	3	.3	.2	GLN
		28	848	26.72	19	20.37	155	13.61	9.60			12	0	179	.02	7	.3	1.0	UER
		28	1143	31.51	19	31.72	155	39.51	6.97	2.3		11	0	144	.13	26	1.7	4.1	MOK
		28	1153	35.48	19	22.98	155	17.02	1.75	.9		11	0	89	.06	2	.5	.2	KOA
		28	1313	13.49	19	24.25	155	15.93	1.81	1.1		16	0	64	.09	2	.5	.2	SPC
		28	1356	38.16	19	19.49	155	13.24	7.34	1.6		25	0	72	.13	7	.8	1.1	UER
		28	1427	.58	19	22.19	155	18.00	1.20	1.0		10	0	81	.03	4	.1	.2	KOA
		28	15	9 6.01	19	23.10	155	17.68	2.00			9	0	112	.13	3	1.2	.0	SPC
		28	1643	55.92	19	24.27	155	17.58	1.53	.8		12	0	61	.06	2	.4	.2	SPC
		28	18	2 48.67	20	48.27	155	17.02	4.00	3.2		17	0	310	.13	145	22.6	99.0	DIS
		28	1844	32.88	19	23.18	155	17.23	1.55	.8		10	0	99	.08	3	.7	.3	SPC
		28	21	9 34.21	19	24.36	155	28.58	9.72	2.8		32	0	36	.12	13	.6	.3	UKF
		28	2113	6.16	19	22.05	155	18.12	1.19			9	0	80	.05	4	.6	.5	KOA
		28	2213	32.56	19	22.44	155	17.15	2.00	1.0		10	0	94	.15	3	1.0	.0	KOA
		28	2248	40.79	19	20.41	155	19.04	1.86	1.3		12	0	96	.06	6	.4	99.0	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	OCT	29	2 9	36.00	19	24.10	155	15.85	1.15			10	0	62	.08	3	.3	.4	SPC
		29	611	.85	19	33.43	155	58.17	9.20	2.7		10	0	241	.12	34	4.2	1.3	KON
		29	657	35.24	19	23.70	155	15.29	2.00	.9		11	0	86	.11	3	.7	.0	SPC
		29	1136	31.68	19	24.25	155	17.74	1.41	1.1		15	0	63	.07	2	.3	.2	SPC
		29	12 2	34.75	19	31.38	155	39.77	8.81	3.1		23	0	53	.17	26	1.0	1.5	MOK
		29	14 0	13.29	19	17.91	155	30.52	8.60	2.8		21	0	93	.16	13	1.2	2.0	HEA
		29	1438	43.89	19	21.93	155	18.20	2.00	1.1		10	0	76	.09	4	.7	.0	KOA
		29	1444	8.40	19	23.16	155	17.17	1.64	.8		10	0	99	.07	3	.6	.2	SPC
		29	16 9	36.40	19	23.00	155	17.32	1.22	.8		9	0	173	.07	3	.8	.5	SPC
		29	1655	58.51	19	22.79	155	17.20	2.00	.9		11	0	76	.13	2	.9	.0	KOA
		29	1857	32.33	19	24.59	155	25.34	8.62	3.4		28	0	73	.15	10	.8	1.0	UKF
		29	2038	14.78	19	25.67	155	16.74	2.00	.9		10	0	208	.09	2	1.5	.0	SPC
		29	2255	3.35	19	25.07	155	16.84	1.74	1.0		11	0	134	.10	2	.8	.3	SPC
		29	2310	58.26	19	25.41	155	38.37	1.16	2.7		7	0	217	.05	20	1.4	99.0	MOK
		30	024	49.82	19	25.31	155	16.53	13.92	2.1		26	0	70	.08	2	.5	.7	DEP
		30	214	6.81	19	23.13	155	17.24	1.39	1.4		13	0	68	.08	3	.5	.3	SPC
		30	322	41.69	19	24.12	155	23.92	8.55	1.6		16	0	147	.05	7	.5	1.0	UKF
		30	431	31.01	19	22.23	155	24.71	8.01	1.7		15	0	78	.10	9	.8	1.7	UKF
		30	455	26.85	19	22.68	155	17.27	2.00	.9		9	0	111	.11	3	.9	.0	KOA
		30	5 7	35.19	19	26.30	155	29.75	7.49	1.9		18	0	158	.09	12	.8	2.4	UKF
		30	554	36.54	19	18.59	155	13.30	7.11			15	0	82	.05	8	.4	1.2	POL
		30	9 1	1.96	19	20.39	155	19.28	1.62			13	0	101	.10	6	.6	.0	SWR
		30	1144	6.75	19	23.01	155	17.01	1.72	1.2		13	1	67	.06	2	.4	.2	SPC
		30	1340	27.57	19	19.86	155	18.27	2.94	2.1		14	1	116	.11	6	.8	2.8	KOA
		30	1342	52.36	19	24.39	155	17.93	1.31	1.1		11	0	172	.14	3	1.0	.5	SPC
		30	14 0	11.83	19	20.59	155	13.21	8.14			15	0	178	.08	7	1.1	2.2	UER
		30	1510	23.22	19	20.50	155	19.16	2.27	1.3		10	0	97	.05	6	.5	14.0	SWR
		30	1651	24.73	19	22.68	155	17.13	1.71	.9		11	0	82	.05	2	.4	.2	KOA
		30	1742	6.82	19	22.07	155	30.30	10.14	2.0		16	0	77	.10	14	.8	.5	MOK
		30	1810	43.02	19	22.33	155	30.12	10.50	3.2		33	0	39	.14	13	.7	.3	MOK
		31	458	29.22	19	22.65	155	17.93	1.01	.9		9	0	133	.07	4	.5	.5	KOA
		31	542	32.48	19	22.40	155	17.31	1.30	1.0		13	0	92	.08	3	.5	.4	KOA
		31	616	59.41	19	22.50	155	17.09	2.00	1.0		12	0	92	.14	3	.9	.0	KOA
		31	8 1	46.96	19	21.77	155	18.55	.91	1.1		10	0	80	.07	4	.4	.4	KOA
		31	929	1.83	19	22.10	155	17.83	3.39			8	0	88	.06	4	.8	3.9	KOA
		31	10 1	48.84	19	21.83	155	2.61	8.54	3.9		28	0	186	.14	13	1.3	.9	MER
		31	1045	22.07	19	21.88	155	2.54	8.66	3.7		28	0	188	.13	13	1.3	.7	MER
		31	1721	3.14	19	20.49	155	19.19	2.25	1.3		14	0	98	.06	6	.4	10.0	SWR
		31	1849	37.19	19	20.26	155	18.40	30.17	2.5		31	0	61	.09	6	.8	1.3	DEP
		31	19 5	33.40	19	23.29	155	16.81	1.85	.8		12	0	62	.08	2	.6	.2	SPC
		31	2046	37.72	19	24.38	155	17.55	2.00	.8		10	0	73	.11	2	.8	.0	SPC
		31	22 1	52.01	19	22.22	155	17.80	2.00			12	0	85	.09	4	.6	.0	KOA
		31	2330	45.52	19	23.09	155	17.18	1.58	1.1		15	0	64	.06	3	.3	.2	SPC
	NOV	1	110	27.79	19	22.12	155	18.15	.90	1.5		16	0	62	.05	4	.2	.2	KOA
		1	2 8	47.30	19	24.19	155	16.28	1.79	.7		11	0	67	.10	2	.7	.3	SPC
		1	218	42.22	19	21.82	155	18.11	1.53	1.1		14	0	78	.11	4	.7	.0	KOA
		1	223	34.55	19	22.88	155	17.03	2.00			10	0	101	.09	2	.5	3.3	KOA
		1	340	10.84	19	20.77	155	11.09	8.68	2.0		26	0	72	.12	8	.7	1.1	UER

HVO EARTHQUAKE SUMMARY LIST

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	1	342	28.36	19	35.62	155	46.25	4.14	3.0		13	0	93	.17	21	1.4	3.3	KON
		1	427	25.29	19	22.41	155	17.32	2.00	1.0		11	0	91	.11	3	.8	.0	KOA
		1	511	10.75	19	22.66	155	17.31	2.00			9	0	113	.10	3	.9	.0	KOA
		1	512	45.33	19	17.81	155	13.09	8.99	1.8		20	0	109	.08	9	.7	.5	POL
		1	841	46.93	19	15.28	155	15.06	.08	1.8		18	0	196	.14	10	1.6	5.1	HLP
		1	1033	47.05	19	23.82	155	17.34	.76	1.0		10	0	86	.05	2	.3	1.3	SPC
		1	1347	12.48	19	22.64	155	30.14	10.06	2.0		19	0	68	.09	13	.6	.4	MOK
		1	1524	34.56	19	20.16	155	10.97	7.82	1.7		18	0	83	.07	7	.5	.9	UER
		1	16	3 58.83	19	21.77	155	18.07	1.80	1.1		13	0	79	.11	4	.7	99.0	KOA
		1	1636	23.29	19	26.56	155	27.27	8.42	1.8		19	0	71	.12	12	.8	2.5	UKF
		1	1728	3.71	19	22.60	155	17.16	1.73			10	0	86	.07	3	.5	.3	KOA
		1	22	1 32.89	19	17.28	155	13.92	8.52			17	0	157	.06	8	1.0	1.5	POL
		2	0	1 10.28	19	17.64	155	13.94	8.36			19	0	119	.07	8	.6	.5	POL
		2	137	47.02	19	22.78	155	26.72	7.61	2.9		27	0	52	.13	12	.7	1.6	UKF
		2	232	33.83	19	22.55	155	17.27	2.00			10	0	114	.10	3	.8	.0	KOA
		2	242	31.26	19	24.29	155	17.55	2.00	.6		10	0	76	.09	2	.7	.0	SPC
		2	251	23.90	19	23.07	155	17.20	1.36			12	0	90	.08	3	.6	.3	SPC
		2	357	27.64	19	22.56	155	17.27	2.00	1.0		10	0	114	.09	3	.8	.0	KOA
		2	4	1 52.53	19	22.70	155	17.07	2.00			11	0	82	.12	2	.8	.0	KOA
		2	435	32.81	19	23.73	155	16.98	1.76	1.2		15	0	46	.06	2	.4	.2	SPC
		2	533	57.93	19	19.05	155	13.65	9.52			14	0	207	.04	7	.6	2.2	UER
		2	621	.53	19	23.11	155	16.82	2.00	.8		10	0	92	.11	2	.9	2.1	SPC
		2	622	36.96	19	22.37	155	17.33	1.32	1.1		14	0	90	.07	3	.4	.4	KOA
		2	731	3.44	19	23.19	155	17.17	1.47	.8		10	0	83	.09	3	.8	.3	SPC
		2	1132	38.66	19	22.73	155	17.13	2.00	.9		10	0	80	.10	2	.7	.0	KOA
		2	1457	54.86	19	51.57	155	19.38	12.27	2.5		17	0	152	.08	35	1.1	.4	KKU
		2	1620	7.92	19	22.38	155	17.25	1.34			15	0	91	.07	3	.3	.3	KOA
		2	21	9 .07	19	30.48	156	13.82	44.25	2.2		12	1	290	.10	66	3.7	6.7	DIS
		3	338	1.19	19	20.45	155	19.13	2.06	1.3		17	0	97	.05	6	.3	28.6	SWR
		3	426	49.43	19	22.58	155	17.17	2.00			11	0	87	.08	3	.6	.0	KOA
		3	5	0 13.81	19	18.94	155	15.04	8.06	1.6		23	0	112	.09	7	.6	.8	KOA
		3	1544	2.43	19	20.31	155	19.45	1.68	1.4		12	0	107	.05	6	.4	99.0	SWR
		3	1615	12.03	19	20.58	155	19.12	1.63	1.3		11	0	95	.05	6	.5	99.0	SWR
		3	1616	36.06	19	23.26	155	17.18	1.59	.8		10	0	97	.06	5	.5	.2	SPC
		3	18	1 7.05	19	23.15	155	17.31	1.59	.8		10	0	102	.07	5	.6	.3	SPC
		3	2041	58.49	19	32.36	155	50.39	7.37	2.2		17	1	181	.17	28	2.0	1.5	KON
		3	21	6 33.00	19	18.93	155	47.77	7.73	1.8		13	0	172	.12	28	1.4	1.1	KON
		3	2332	29.68	19	23.01	155	17.31	1.36	.8		10	0	105	.07	3	.6	.3	SPC
		4	0	4 20.01	19	22.16	155	17.61	.93	1.0		14	0	84	.08	4	.4	.4	KOA
		4	344	28.77	19	19.66	155	9.36	8.19			15	0	86	.04	9	.4	.9	UER
		4	521	45.57	19	19.98	155	8.86	9.20			17	0	74	.06	9	.6	1.2	UER
		4	556	1.48	19	24.27	155	17.63	1.58	.7		12	0	85	.06	2	.4	.2	SPC
		4	7	1 35.46	19	24.25	155	16.05	1.16	.6		10	0	67	.08	2	.3	.5	SPC
		4	710	13.69	19	24.21	155	17.76	1.39	1.0		13	0	62	.09	2	.4	.2	SPC
		4	10	8 52.30	19	24.21	155	15.85	.85			10	0	65	.13	2	.5	.8	SPC
		4	1031	6.73	19	25.84	155	24.73	10.93	1.7		17	0	69	.06	8	.4	.6	UKF
		4	11	3 12.70	19	24.55	155	16.53	4.00			8	0	116	.12	2	.5	1.4	SPC
		4	1145	56.42	19	21.27	155	18.09	31.27	2.2		21	0	50	.06	5	.9	1.6	DEP

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	4	12 5	2.01	19	25.47	155	16.80	2.13	.4		9	0	184	.08	2	1.3	2.8	SPC
		4	1241	57.72	19	24.23	155	15.95	1.66	2.0		19	0	63	.11	2	.5	.3	SPC
		4	1247	6.49	19	24.23	155	16.14	1.78	1.1		15	1	68	.09	2	.4	.2	SPC
		4	1441	49.08	19	22.78	155	17.32	2.00			9	0	111	.08	3	.7	.0	KOA
		4	1545	20.48	19	24.18	155	15.64	2.00			7	0	120	.09	2	1.0	.0	SPC
		4	1942	49.02	19	24.05	155	15.87	1.49	.7		13	0	63	.10	3	.4	.3	SPC
		5	026	2.30	19	24.31	155	16.28	1.72	.6		10	0	74	.09	2	.7	.3	SPC
		5	247	20.96	19	28.97	155	12.95	25.38	2.4		32	0	55	.09	10	.7	1.4	DEP
		5	259	25.83	19	24.25	155	16.31	1.78	.6		10	0	71	.08	2	.6	.3	SPC
		5	425	47.07	19	24.09	155	15.97	2.00	.8		11	0	61	.15	2	1.0	.0	SPC
		5	7 8	55.78	19	23.16	155	17.19	1.45	.8		11	0	99	.06	3	.5	.2	SPC
		5	817	27.38	19	23.14	155	23.87	8.69			11	0	105	.06	7	.7	1.6	UKF
		5	1033	.78	19	24.33	155	16.30	1.84	1.7		16	0	76	.08	2	.4	.2	SPC
		5	1256	15.77	19	20.58	155	18.98	1.83	1.3		12	0	92	.07	6	.5	99.0	KOA
		5	1334	32.83	19	25.29	155	16.65	1.81	.8		10	0	132	.09	2	.8	.3	SPC
		5	1344	20.96	19	19.40	155	15.64	7.93	1.6		25	0	91	.10	6	.6	1.1	KOA
		5	1345	4.44	19	19.91	155	17.27	30.96	2.2		27	0	85	.07	5	.8	1.5	DEP
		5	1449	26.91	19	24.25	155	17.56	1.55	.8		11	0	84	.05	2	.5	.2	SPC
		5	19 3	58.84	19	25.44	155	16.37	1.60	.8		12	0	142	.07	2	.5	.3	SPC
		5	1937	36.55	19	24.14	155	15.79	.69	.7		10	0	65	.10	3	.4	2.3	SPC
		5	1950	9.50	19	24.14	155	15.79	.99			10	0	65	.13	2	.6	.8	SPC
		5	2030	56.35	19	22.98	155	17.37	.78	1.8		18	0	50	.09	3	.3	1.3	KOA
		5	2052	33.37	19	24.30	155	15.85	1.72			9	0	68	.14	2	1.1	.7	SPC
		5	2256	44.01	19	24.05	155	17.75	1.03	.7		8	0	126	.07	2	.3	.3	SPC
		6	118	9.59	19	24.26	155	16.20	1.84	1.1		12	0	71	.05	2	.4	.2	SPC
		6	138	20.42	19	24.25	155	16.04	1.81	.8		10	0	67	.05	2	.4	.2	SPC
		6	151	51.19	19	24.09	155	15.98	1.75	1.1		14	0	61	.08	2	.4	.2	SPC
		6	3 7	44.90	19	27.83	155	24.44	7.54	2.0		21	0	79	.08	11	.5	1.1	UKF
		6	350	2.35	19	24.19	155	16.01	2.00			9	0	66	.09	2	.7	.0	SPC
		6	352	53.59	19	24.17	155	16.06	1.78	.7		9	0	66	.06	2	.5	.2	SPC
		6	734	43.26	19	20.15	155	6.04	6.33			17	0	118	.10	8	1.0	2.7	UER
		6	756	44.30	19	24.24	155	17.69	1.31	1.3		14	0	62	.08	2	.3	.2	SPC
		6	853	51.41	19	45.90	155	3.51	31.51	2.2		27	1	218	.13	33	1.6	3.7	HIL
		6	1227	57.03	19	23.96	155	15.66	1.49	.8		11	0	70	.09	3	.5	.3	SPC
		6	1445	55.12	19	22.64	155	17.15	1.77	1.5		14	1	84	.07	3	.4	.2	KOA
		7	0 2	41.05	19	18.01	155	13.20	7.51	1.7		18	0	97	.09	8	.7	1.5	POL
		7	531	34.58	19	20.02	155	19.20	3.93	1.4		11	0	107	.06	7	.8	2.9	SWR
		7	6 3	34.49	19	25.55	155	16.68	1.81	1.4		16	0	125	.09	2	.6	.3	SPC
		7	1117	27.38	19	18.45	155	13.54	8.08			18	0	87	.07	8	.5	.8	POL
		8	0 4	32.04	19	15.66	155	32.35	8.54	2.6		28	0	117	.16	15	1.0	1.5	LSW
		8	345	32.00	19	7.22	155	27.93	26.80	2.6		31	1	172	.10	21	1.1	2.2	LSW
		8	632	.91	19	24.07	155	15.86	2.00	.8		10	0	62	.18	3	1.2	.0	SPC
		8	758	5.33	19	22.94	155	26.75	9.66	1.8		21	0	55	.12	12	.7	.7	UKF
		8	1056	15.85	19	24.19	155	24.69	9.23	2.3		22	0	81	.12	9	.9	1.2	UKF
		8	1058	54.43	19	19.78	155	8.37	8.44			18	0	82	.14	10	1.1	1.7	UER
		8	21 3	22.74	19	25.47	155	36.14	2.52	2.9		20	0	51	.16	7	.8	2.9	MOK
		9	022	.41	19	27.58	155	28.33	8.84			24	0	79	.12	12	.8	1.7	UKF
		9	052	21.57	19	19.99	155	11.54	8.26	1.7		24	0	84	.12	6	.8	1.4	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	9	153	.25	19	19.23	155	20.14	5.48	2.0		18	0	114	.08	6	.4	.5	SWR
		9	446	15.74	19	21.60	155	8.01	9.40	3.0		28	0	128	.12	9	1.0	.7	UER
		9	1455	44.16	19	19.38	155	20.18	4.85			11	0	151	.04	6	.8	2.4	SWR
		9	1522	58.92	19	20.29	155	19.02	1.99			10	0	98	.06	6	.5	99.0	SWR
		9	2016	16.65	18	57.98	155	29.63	39.69			23	0	243	.09	34	3.1	4.6	DIS
		9	2125	33.21	19	18.81	155	17.30	7.81			18	0	120	.04	7	.3	.4	KOA
		9	2216	37.83	19	2.70	155	5.52	27.48	2.8		13	0	310	.15	41	25.5	14.8	PPL
		9	2231	35.67	19	16.67	155	14.94	8.13	2.1		12	0	214	.05	8	1.4	1.9	POL
		10	153	14.72	19	24.87	155	25.50	10.39	4.2		34	0	41	.13	10	.7	.4	UKF
		10	158	5.72	19	25.08	155	25.84	8.84	2.6		26	0	76	.14	10	.9	1.2	UKF
		10	615	36.74	19	25.42	155	16.68	2.05	1.2		13	0	124	.07	2	.5	2.4	SPC
		10	915	15.90	19	16.85	155	22.90	6.77	1.6		19	0	124	.16	8	1.1	2.9	SWR
		10	1356	5.08	19	59.90	155	27.10	31.14	1.8		18	0	194	.07	53	1.0	2.6	KKU
		10	1722	49.43	19	18.89	155	47.85	8.35			15	0	172	.12	25	1.4	.9	KON
		11	3 6	14.21	19	23.24	155	17.23	1.42	.8		11	0	70	.07	3	.5	.3	SPC
		11	520	41.68	19	19.57	155	9.17	7.19	1.8		20	0	85	.12	9	.8	2.0	UER
		11	521	15.97	19	19.78	155	9.23	8.19	2.9		27	0	82	.11	9	.7	.8	UER
		11	1045	21.91	19	20.40	155	19.14	1.72	1.6		14	0	72	.07	6	.4	.0	SWR
		11	1352	47.49	19	20.43	155	16.99	35.21			27	0	77	.09	5	.9	1.6	DEP
		11	1648	9.70	19	20.70	155	18.97	2.60	1.3		13	0	90	.05	6	.3	3.2	KOA
		11	1743	40.03	19	28.42	155	24.44	23.56	2.9		37	2	34	.11	12	.7	1.4	UKF
		11	1859	52.96	19	18.82	155	15.46	7.00			20	0	121	.10	6	.6	1.0	KOA
		12	14 2	38.30	19	19.88	155	18.43	4.35	2.3		20	0	108	.09	6	.6	.8	KOA
		12	1513	29.73	19	19.65	155	19.90	4.24	2.3		21	0	99	.12	6	.7	1.3	SWR
		12	1650	55.99	19	23.17	155	17.07	1.71	1.8		18	0	61	.07	2	.3	.2	SPC
		12	1859	4.32	19	25.30	155	17.12	.86	3.1		32	0	57	.20	3	.6	.5	SPC
		12	2010	48.74	19	25.02	155	17.08	.84	.8		12	0	122	.16	2	.9	.5	SPC
		13	0 1	58.65	19	25.06	155	16.24	18.14	1.7		25	0	47	.07	2	.6	.8	DEP
		13	157	23.96	19	24.05	155	23.81	10.74	2.5		27	0	57	.06	7	.4	.2	UKF
		13	3 7	2.33	18	57.47	155	34.91	40.08	2.7		28	0	233	.11	32	2.9	4.3	DIS
		13	651	39.83	19	19.11	155	15.77	7.88	1.6		21	0	113	.07	6	.5	.7	KOA
		13	7 2	38.73	19	19.41	155	15.91	9.72	1.9		29	0	93	.12	6	.6	.6	KOA
		13	1343	50.85	19	22.40	155	25.37	10.80			18	0	54	.06	10	.4	.6	UKF
		13	2259	22.83	20	16.88	155	38.14	2.49	3.0		6	0	274	.04	58	4.4	3.6	DIS
		14	1010	28.72	19	25.21	155	25.23	9.50	2.9		33	0	43	.12	9	.6	.7	UKF
		14	1043	46.81	19	19.68	155	10.15	7.75	1.8		21	0	92	.11	7	.8	1.7	UER
		14	2140	43.44	19	26.55	155	27.88	8.73	1.8		27	0	71	.15	13	.9	2.1	UKF
		15	842	33.20	19	50.81	155	31.08	20.86	2.6		17	0	117	.07	38	.7	1.9	KKU
		15	9 9	1.45	18	57.62	155	28.74	34.86	3.3		32	0	229	.10	35	1.9	3.4	DIS
		15	959	.92	19	25.11	155	16.47	12.62	1.5		19	0	117	.10	2	1.0	.4	LPC
		15	1146	57.01	19	22.38	155	54.28	10.09	2.7		19	0	190	.15	33	1.7	.5	KON
		15	14 7	20.89	19	18.99	155	13.66	7.98	2.2		28	0	68	.12	7	.7	1.0	POL
		15	2019	6.97	19	18.32	155	13.37	6.91			20	0	83	.08	8	.6	1.1	POL
		16	056	15.16	19	36.08	155	19.54	10.84	1.9		19	0	113	.13	20	1.0	1.4	NER
		16	512	39.16	19	12.72	156	21.85	31.14	3.4		18	0	306	.16	78	18.4	9.0	DIS
		16	750	23.79	19	30.12	155	39.33	7.52	3.0		22	0	136	.11	8	.9	1.2	MOK
		16	1037	3.29	19	20.12	155	11.26	9.09	2.8		30	0	83	.11	7	.6	.8	UER
		16	1045	55.66	19	20.46	155	10.88	7.10	1.7		23	0	77	.14	8	.8	1.8	UER

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	16	1448	28.27	19	25.95	155	35.83	2.51	2.8		24	0	61	.17	6	.8	3.2	MOK
		16	2316	33.65	19	18.46	155	13.45	7.63	1.7		27	0	80	.10	8	.6	.9	POL
		17	140	47.64	19	24.50	155	24.71	9.66	1.7		15	0	119	.08	9	.7	1.2	UKF
		17	518	2.57	19	24.51	155	16.79	2.00	.9		10	0	88	.25	2	1.9	.0	SPC
		17	1252	22.07	19	28.54	155	35.66	1.63	1.8		14	0	106	.10	3	.6	.3	MOK
		17	1828	5.60	19	22.70	155	16.41	30.83	1.8		23	0	54	.06	2	.8	1.5	DEP
		17	2030	57.90	19	20.11	155	11.29	7.45	1.8		20	0	83	.10	7	.7	1.3	UER
		18	639	51.90	19	18.56	155	14.88	7.57	1.7		20	0	121	.06	7	.4	.5	POL
		18	643	21.78	19	19.39	155	13.56	8.66	1.7		27	0	67	.10	7	.6	.9	UER
		18	1020	55.46	19	20.22	155	11.22	7.72	2.0		24	0	81	.09	7	.5	.9	UER
		18	1447	45.83	19	25.47	155	16.84	1.83	1.0		16	0	124	.08	2	.5	.2	SPC
		19	341	20.06	19	22.41	155	15.93	32.95	2.3		33	0	53	.09	3	.8	1.4	DEP
		19	1258	40.54	19	21.99	155	25.36	8.92	1.7		23	0	58	.14	10	.8	1.6	HEA
		19	1418	27.79	19	25.24	155	22.93	9.17	1.7		18	0	70	.10	8	.7	1.2	UKF
		19	19 6	57.23	19	33.53	155	38.57	9.99	1.9		16	0	223	.16	12	2.8	.7	MOK
		20	1 2	50.69	19	25.68	155	16.68	1.76	.8		11	0	158	.10	2	.9	.4	SPC
		20	1518	24.57	19	20.52	155	19.17	1.48	1.3		11	0	97	.05	6	.3	.5	SWR
		20	1641	40.88	19	24.05	155	26.44	10.26	1.8		18	0	91	.07	12	.6	2.4	UKF
		21	635	30.40	19	12.63	155	20.22	44.77	2.5		33	0	166	.09	14	1.1	2.2	HLP
		21	7 9	54.77	19	23.44	155	24.89	10.59	2.6		29	0	55	.09	9	.5	.2	UKF
		21	922	41.76	19	20.92	155	30.63	9.02	2.0		18	0	94	.16	13	1.2	3.5	HEA
		21	15 2	57.62	19	21.89	155	18.23	.92	1.1		12	0	75	.11	4	.5	.6	KOA
		21	1522	13.54	19	21.79	155	17.96	1.88			13	0	83	.08	4	.5	99.0	KOA
		21	1550	35.53	19	21.97	155	18.01	.86	1.0		12	0	81	.07	4	.3	.4	KOA
		21	2149	14.57	19	21.41	155	18.63	30.71	4.4		35	0	42	.10	5	.7	1.3	DEP
		21	2324	52.03	19	19.49	155	12.97	8.11	1.7		26	0	77	.11	7	.6	1.0	UER
		22	217	18.68	19	20.95	155	18.74	29.96	2.1		29	0	50	.07	6	.7	1.2	DEP
		22	340	45.09	19	26.81	155	24.52	4.44	1.5		17	0	74	.11	10	.7	2.1	UKF
		22	345	23.20	19	22.43	155	17.45	1.29	1.9		19	0	52	.10	3	.4	.5	KOA
		22	412	7.81	19	22.77	155	17.17	2.00	.9		10	0	106	.09	2	.7	.0	KOA
		22	449	51.28	19	25.70	155	16.90	2.71	.5		11	0	156	.09	2	.9	1.8	SPC
		22	546	52.32	19	21.61	155	18.76	30.36	2.1		28	0	39	.09	5	.9	1.5	DEP
		22	549	.43	19	21.39	155	18.80	30.34	2.1		28	0	43	.11	5	1.0	1.9	DEP
		22	1352	59.81	19	21.90	155	18.22	1.00			11	0	75	.06	4	.3	.3	KOA
		22	1644	30.82	19	24.98	155	23.37	11.32	1.6		20	0	60	.04	9	.4	.6	UKF
		22	1659	9.12	19	25.02	155	23.41	11.16	2.6		25	0	60	.06	9	.4	.2	UKF
		22	2055	16.15	19	21.77	155	18.46	.36			12	0	69	.12	4	.5	2.4	KOA
		22	2254	52.17	19	24.25	155	17.66	1.52	2.2		19	0	44	.07	2	.3	.2	SPC
		23	2 0	.43	19	31.27	155	46.20	7.61	2.9		20	0	151	.12	19	1.6	.9	KON
		23	220	10.43	19	18.41	155	13.14	8.06			12	0	152	.05	8	1.1	2.3	POL
		23	414	46.05	19	23.09	155	17.21	1.54	.8		12	0	64	.06	3	.4	.2	SPC
		23	420	4.25	19	20.71	155	13.16	9.11			16	0	65	.03	6	.3	.8	UER
		23	531	56.53	19	23.44	155	16.91	1.96	1.2		11	0	88	.05	3	.4	.2	SPC
		23	548	4.92	19	18.38	155	15.13	10.70			12	0	132	.07	6	.9	2.9	KOA
		23	913	17.77	19	24.72	155	17.85	2.69	1.1		11	1	77	.07	2	.5	1.2	SPC
		23	928	36.11	19	19.60	155	10.80	1.50			13	0	95	.17	7	1.3	99.0	UER
		23	934	34.94	19	23.05	155	25.06	14.67			12	0	117	.05	9	1.4	3.1	UKF
		23	14 7	21.16	19	27.56	155	25.30	.28	1.8		12	0	126	.10	10	.8	.0	UKF

HVO EARTHQUAKE SUMMARY LIST

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	RMS DEG	SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	23	1451	33.95	19	21.73	155	24.95	7.65			15	0	67	.09	10	.7	1.8	SWR
		23	2253	16.19	19	22.98	155	25.03	8.50			24	0	56	.11	9	.7	1.1	UKF
		23	2330	47.63	19	31.99	155	58.69	9.69			10	0	264	.09	40	5.2	.6	KON
		24	243	40.76	19	22.22	155	16.58	1.84	1.2		17	0	59	.05	3	.3	.1	KOA
		24	324	48.62	19	23.77	155	24.22	9.80			17	0	75	.05	8	.4	1.7	UKF
		24	625	54.25	19	20.18	155	19.26	2.50			13	0	105	.13	7	1.3	16.8	SWR
		24	1359	38.29	19	22.27	155	25.39	9.82	1.7		26	0	70	.12	10	.7	1.1	UKF
		24	14 0	47.93	19	23.13	155	17.08	1.62	.8		12	0	65	.05	2	.3	.1	SPC
		24	1446	18.06	19	21.50	155	18.47	29.91	2.6		32	1	38	.09	5	.9	1.3	DEP
		24	1733	12.79	19	23.10	155	17.53	1.24	.8		9	0	181	.06	3	1.0	.4	SPC
		24	2134	56.32	19	24.29	155	17.65	1.54	1.2		15	0	63	.06	2	.3	.2	SPC
		24	22 7	12.48	19	29.13	155	26.81	7.60	2.0		24	0	93	.13	12	.8	3.2	NER
		24	2313	11.89	19	24.52	155	16.80	14.17	2.0		29	0	72	.06	2	.4	.5	DEP
		25	2 3	45.64	19	19.31	155	14.09	7.84	1.6		22	0	87	.08	6	.5	1.2	UER
		25	429	13.99	19	23.14	155	17.03	1.63	1.0		14	0	62	.05	2	.3	.1	SPC
		25	1030	19.43	19	20.48	155	19.07	2.52	1.3		9	0	96	.06	6	.5	7.8	SWR
		25	1239	20.38	19	25.58	155	24.66	7.41	1.6		18	0	92	.08	8	.6	1.7	UKF
		25	1428	59.77	19	25.56	155	16.82	1.95	.5		11	0	149	.12	3	1.2	.6	SPC
		25	1528	37.96	19	21.87	155	24.47	7.74	1.7		12	0	136	.08	9	1.2	3.1	SWR
		25	16 1	8.52	19	25.34	155	24.50	12.11	2.0		21	0	84	.05	8	.4	.3	UKF
		25	1612	7.66	19	22.59	155	17.17	1.61	1.2		13	0	86	.06	3	.3	.2	KOA
		25	1858	27.64	19	22.86	155	17.48	1.08	.8		10	0	113	.06	3	.4	.3	KOA
		25	1958	43.58	19	22.50	155	17.08	2.00	1.0		14	0	92	.10	3	.6	.0	KOA
		25	21 0	11.88	19	25.35	155	16.66	1.63	.7		11	0	136	.10	2	.6	.3	SPC
		25	2211	53.75	19	22.03	155	18.11	.88	1.2		15	0	71	.06	4	.2	.3	KOA
		25	2217	30.96	19	19.11	155	15.70	5.04	1.5		20	0	113	.12	6	.7	.9	KOA
		25	2312	32.69	19	22.88	155	17.31	1.28	1.0		15	0	72	.16	3	.8	.7	KOA
		25	2340	52.62	19	22.03	155	17.93	1.87	1.1		11	0	86	.09	4	.7	.0	KOA
		26	425	59.41	19	48.03	155	12.33	36.96			21	0	285	.07	40	3.2	5.5	KKU
		26	533	6.27	19	22.90	155	19.78	13.65	1.6		11	0	126	.32	6	7.4	10.0	DEP
		26	816	15.32	19	21.81	155	18.64	.71	1.1		14	0	70	.11	4	.5	2.1	KOA
		26	1237	27.10	19	22.60	155	17.25	1.39	.9		9	0	84	.07	3	.7	.6	KOA
		26	1344	28.55	19	22.38	155	26.02	6.66	1.7		16	0	104	.13	13	1.1	3.6	UKF
		26	1623	25.97	19	30.80	155	40.06	7.76	2.6		11	0	80	.14	10	1.4	3.7	MOK
		26	1958	53.83	19	22.54	155	26.37	7.15	1.7		21	0	54	.11	11	.7	1.7	UKF
		27	032	50.32	19	21.65	155	18.65	1.82			14	0	80	.08	5	.5	.0	KOA
		27	116	40.92	19	26.01	155	25.90	6.11	2.0		23	0	72	.11	10	.7	2.6	UKF
		27	319	42.47	19	27.82	155	21.49	8.30	2.5		25	0	98	.09	8	.6	.8	UKF
		27	358	44.57	19	29.59	155	40.03	7.83	2.0		12	0	129	.11	9	1.6	2.4	MOK
		27	657	43.28	19	25.54	155	17.01	2.00	.1		9	0	197	.11	2	1.8	11.2	SPC
		27	1344	55.14	19	18.68	155	14.08	7.41	1.7		17	0	100	.11	7	.9	1.4	POL
		27	15 6	3.61	19	30.05	155	44.37	8.80	2.4		21	0	70	.14	17	1.0	1.0	MOK
		27	15 6	45.75	19	29.63	155	44.33	6.95	2.9		24	0	69	.15	19	1.0	1.8	MOK
		28	140	7.28	18	52.24	155	21.32	12.30	2.6		24	0	258	.11	46	3.7	99.0	DIS
		28	912	36.75	19	24.91	155	16.25	1.34			13	0	100	.11	2	.5	.3	SPC
		28	10 1	5.88	19	20.65	155	12.82	11.35			16	0	71	.04	6	.3	1.5	UER
		28	1039	40.79	19	18.39	155	15.09	8.87			14	0	131	.05	6	.5	1.3	KOA
		28	1147	40.40	19	13.02	155	36.00	6.98	2.6		11	0	115	.18	26	1.7	6.1	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	28	1721	14.11	19	21.06	155	20.56	28.85	2.1		25	0	62	.09	6	.9	1.7	DEP
		28	1744	32.44	19	19.51	155	11.86	9.56	1.7		18	0	91	.08	6	.7	2.4	UER
		29	512	44.26	19	23.15	155	17.17	1.68	.8		10	0	99	.04	3	.4	.2	SPC
		29	517	31.89	19	23.18	155	17.23	1.49	.8		12	0	69	.06	3	.4	.2	SPC
		29	8	6 37.60	19	19.28	155	8.86	9.98	1.9		17	0	87	.07	9	.7	2.5	UER
		29	818	32.75	19	18.27	155	14.21	7.31			13	0	218	.04	8	.6	1.0	POL
		29	1154	12.14	19	22.38	155	17.41	.60			14	0	87	.09	3	.4	1.5	KOA
		29	1442	37.47	19	22.86	155	17.48	1.32			10	0	113	.14	3	1.3	.9	KOA
		29	1938	24.22	19	25.87	155	35.60	.10	2.4		26	0	80	.17	6	.9	1.2	MOK
		29	2043	45.12	19	19.87	155	17.91	5.54			27	0	76	.18	6	.8	1.6	KOA
		29	2054	10.09	19	26.63	155	24.67	7.84			24	0	69	.12	9	.7	1.4	UKF
		29	21	0 22.20	19	33.61	155	38.31	7.94			21	0	221	.17	12	2.0	2.3	MOK
		29	2325	3.02	19	24.65	155	25.81	7.29			22	0	71	.11	10	.7	2.0	UKF
		30	0	2 9.11	19	29.31	155	44.05	5.48			24	0	68	.16	16	1.1	9.8	MOK
		30	027	11.49	19	23.07	155	17.35	1.30			17	0	65	.10	3	.5	.4	SPC
		30	2	4 8.39	19	20.18	155	11.48	9.37			22	0	81	.08	7	.6	1.1	UER
		30	2	6 1.64	19	24.73	155	16.92	13.58	1.7		29	0	81	.06	2	.4	.5	DEP
		30	3	3 51.47	19	25.75	155	16.90	2.26			17	0	126	.13	2	.8	2.3	SPC
		30	322	52.06	19	26.27	155	24.99	5.53	2.9		30	0	67	.13	8	.6	3.1	UKF
		30	324	36.92	19	26.23	155	24.92	5.16	2.9		31	0	48	.13	8	.6	1.0	UKF
		30	330	27.59	19	26.41	155	24.83	4.88	2.2		25	0	68	.14	9	.8	1.3	UKF
		30	354	23.67	19	26.26	155	25.05	5.60	5.5		29	0	67	.14	8	.6	3.2	UKF
		30	4	7 37.90	19	29.07	155	22.57	8.07	3.6		13	0	206	.22	14	4.5	3.7	NER
		30	426	18.27	19	27.22	155	22.96	6.27	2.5		21	0	87	.16	9	1.1	1.9	UKF
		30	428	6.19	19	26.00	155	24.51	7.87	2.9		20	0	61	.14	12	1.0	1.8	UKF
		30	431	46.97	19	25.41	155	23.53	7.47	2.0		23	0	85	.11	10	.7	1.4	UKF
		30	434	4.57	19	24.01	155	27.04	6.03	3.0		26	0	69	.14	13	.9	2.7	UKF
		30	436	30.60	19	25.51	155	24.27	2.32	2.9		19	0	83	.22	10	1.5	4.8	UKF
		30	438	16.16	19	24.93	155	26.64	6.88	2.5		21	0	108	.12	16	1.0	2.1	UKF
		30	439	58.34	19	28.06	155	23.37	4.74	2.6		25	0	82	.15	10	.8	1.2	UKF
		30	442	12.20	19	26.75	155	24.03	7.06	2.6		27	0	76	.16	9	.9	1.8	UKF
		30	446	54.84	19	27.36	155	24.15	8.61	3.4		26	0	63	.15	12	.8	1.4	UKF
		30	455	8.50	19	24.87	155	25.67	7.71	3.0		21	0	105	.16	11	1.3	2.3	UKF
		30	5	1 6.44	19	26.81	155	24.88	8.78	2.1		17	0	142	.08	9	.7	1.6	UKF
		30	5	1 45.86	19	24.66	155	26.87	7.69	2.2		25	0	77	.13	13	.8	1.7	UKF
		30	5	2 43.88	19	27.16	155	23.73	6.62	2.4		26	0	72	.15	10	.9	1.6	UKF
		30	5	5 41.34	19	25.11	155	24.00	7.05	2.2		22	0	71	.15	8	.9	2.6	UKF
		30	511	13.07	19	27.58	155	23.56	4.63	2.7		32	1	53	.16	10	.7	1.3	UKF
		30	513	44.50	19	25.04	155	26.11	6.67	1.5		20	0	107	.15	10	1.0	3.1	UKF
		30	515	36.65	19	25.33	155	25.83	5.60	2.3		20	0	106	.16	10	1.0	4.5	UKF
		30	517	37.06	19	27.20	155	22.84	8.81	2.6		23	0	90	.15	10	1.1	1.4	UKF
		30	518	46.32	19	27.78	155	32.31	.26	2.5		17	0	135	.21	26	1.3	72.9	MOK
		30	520	20.69	19	26.40	155	24.86	6.83	2.2		27	0	79	.13	9	.7	1.6	UKF
		30	524	50.51	19	25.45	155	23.77	7.29	1.7		22	0	115	.15	8	1.1	1.9	UKF
		30	527	4.56	19	27.98	155	22.52	5.17	2.4		26	0	91	.13	9	.7	.7	UKF
		30	529	34.00	19	24.26	155	25.97	10.64	1.7		24	0	87	.11	11	.7	.4	UKF
		30	534	58.15	19	27.17	155	23.90	7.90	2.3		25	0	76	.13	10	.8	1.2	UKF
		30	536	28.15	19	24.98	155	26.17	7.02	2.7		26	0	107	.15	10	1.0	2.0	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	30	540	21.96	19	23.76	155	27.07	7.56	1.9		19	0	139	.15	13	1.4	4.3	UKF
		30	541	7.74	19	27.96	155	23.73	6.51	2.6		26	0	83	.13	11	.7	1.9	UKF
		30	544	40.15	19	26.58	155	24.64	1.31	1.7		14	0	167	.12	9	1.5	99.0	UKF
		30	545	27.28	19	28.71	155	22.33	5.32	2.2		24	0	100	.13	10	.8	.9	UKF
		30	547	29.52	19	27.45	155	22.77	5.67	2.4		25	0	99	.17	9	.9	2.5	UKF
		30	553	8.84	19	28.08	155	23.11	2.00	1.9		14	0	108	.17	11	1.2	.0	UKF
		30	554	3.79	19	26.31	155	24.84	8.11	1.8		22	0	105	.14	9	.9	1.7	UKF
		30	559	23.18	19	28.87	155	22.79	5.60	2.9		26	0	100	.12	13	.8	2.3	UKF
		30	6 2	44.09	19	24.24	155	26.14	8.48	3.1		30	0	58	.16	11	.8	1.4	UKF
		30	6 4	22.05	19	24.57	155	25.72	8.13	2.0		27	0	63	.11	11	.6	1.4	UKF
		30	6 7	3.94	19	24.56	155	26.08	8.38			22	0	94	.14	11	1.0	2.5	UKF
		30	6 7	19.33	19	23.86	155	26.36	6.67			18	0	157	.12	12	1.2	2.5	UKF
		30	611	14.56	19	24.98	155	25.50	8.93	3.0		31	0	49	.13	10	.8	1.0	UKF
		30	625	46.41	19	25.34	155	25.59	7.85			26	0	63	.13	10	.7	1.9	UKF
		30	629	29.24	19	25.17	155	24.31	6.80	2.2		22	0	121	.15	9	1.0	2.0	UKF
		30	632	10.86	19	25.54	155	23.70	6.33			14	0	238	.10	10	2.6	3.7	UKF
		30	634	20.38	19	24.52	155	27.53	6.81	1.6		15	0	137	.15	12	1.2	3.6	UKF
		30	636	25.10	19	26.84	155	24.08	6.69	2.7		23	0	103	.17	12	1.1	2.9	UKF
		30	638	53.69	19	27.00	155	23.80	1.79			19	0	143	.09	9	.7	.0	UKF
		30	659	32.82	19	26.93	155	15.61	.24			8	0	233	.08	5	1.3	1.0	SPC
		30	640	27.83	19	23.61	155	25.75	8.74	3.3		31	0	41	.14	11	.7	1.1	UKF
		30	642	20.07	19	22.68	155	28.65	5.70	3.3		30	0	47	.17	12	.8	2.9	UKF
		30	647	11.09	19	22.76	155	38.78	12.61	2.5		11	0	256	.18	33	76.7	52.6	MOK
		30	657	32.56	19	26.44	155	23.14	12.07	2.2		13	0	100	.07	11	.9	3.2	UKF
		30	7 3	22.55	19	27.30	155	23.90	9.51	2.3		14	0	98	.06	13	.8	3.0	UKF
		30	7 6	30.87	19	28.75	155	22.95	6.15	2.5		19	0	182	.14	14	1.5	3.3	UKF
		30	719	20.52	19	29.48	155	23.24	4.75	3.4		28	0	98	.16	12	.9	1.1	NER
		30	722	16.15	19	25.99	155	22.29	8.38			16	0	86	.10	7	1.0	1.9	UKF
		30	724	8.97	19	23.41	155	26.44	3.21	1.4		21	0	104	.19	12	1.3	2.9	UKF
		30	730	12.14	19	24.78	155	24.12	2.89	1.4		13	0	209	.11	11	.7	7.9	UKF
		30	730	30.19	19	27.42	155	22.29	.66	1.6		14	0	112	.07	8	.7	3.1	UKF
		30	731	2.45	19	24.48	155	26.05	10.01	1.6		20	0	105	.08	11	.6	.7	UKF
		30	732	2.49	19	25.26	155	24.50	9.67	1.7		17	0	88	.06	9	.6	2.8	UKF
		30	733	6.38	19	27.21	155	24.20	7.37	2.2		27	0	103	.11	10	.7	1.2	UKF
		30	734	32.40	19	26.07	155	25.53	10.61	1.7		16	0	165	.08	9	1.0	4.5	UKF
		30	735	21.23	19	27.37	155	24.42	8.24	2.0		24	0	77	.12	11	.8	1.5	UKF
		30	736	25.78	19	27.51	155	24.14	6.95	2.0		21	0	110	.11	11	1.0	2.0	UKF
		30	738	21.24	19	25.04	155	25.67	5.53	2.1		25	0	96	.16	10	1.0	4.2	UKF
		30	740	12.34	19	24.03	155	26.74	5.66	1.7		20	0	162	.14	12	1.3	3.1	UKF
		30	748	1.24	19	25.03	155	25.45	10.60	2.0		24	0	90	.08	10	.6	.4	UKF
		30	751	59.20	19	24.70	155	26.35	8.38	1.7		19	0	97	.09	11	.7	1.8	UKF
		30	753	22.93	19	27.06	155	24.63	7.77	1.8		24	0	108	.10	10	.7	1.2	UKF
		30	755	57.63	19	25.49	155	25.00	7.70	1.7		19	0	95	.11	8	.8	1.3	UKF
		30	8 5	16.20	19	27.30	155	23.67	6.91	2.1		26	0	75	.14	10	.8	1.4	UKF
		30	8 8	11.27	19	26.74	155	24.53	6.59	2.2		25	0	69	.12	10	.6	1.6	UKF
		30	810	35.32	19	28.28	155	22.78	2.48	2.4		24	0	97	.12	10	.7	7.0	UKF
		30	811	45.31	19	24.08	155	26.03	5.98	1.4		19	0	132	.17	11	1.4	5.4	UKF
		30	820	40.20	19	25.25	155	26.25	7.68	1.7		19	0	107	.13	11	1.2	2.5	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	30	821	57.56	19	24.71	155	25.92	5.69			23	0	72	.19	10	1.2	4.1	UKF
		30	826	30.51	19	24.48	155	25.14	7.46	2.2		26	0	70	.15	10	.8	1.8	UKF
		30	827	57.74	19	24.93	155	25.10	7.53			21	0	90	.10	9	.7	1.8	UKF
		30	829	42.76	19	25.22	155	26.29	7.81	1.6		21	0	67	.11	11	.7	2.0	UKF
		30	832	24.02	19	26.75	155	24.64	5.61			15	0	169	.13	9	2.0	5.8	UKF
		30	835	7.42	19	26.64	155	22.75	7.56			16	0	93	.08	8	.7	1.5	UKF
		30	837	28.77	19	24.85	155	25.85	5.52	1.5		22	0	105	.16	10	1.0	4.3	UKF
		30	846	28.39	19	24.66	155	26.23	8.93	1.4		25	0	64	.12	11	.7	2.0	UKF
		30	851	9.39	19	27.34	155	24.20	5.72	1.9		22	0	99	.10	10	.7	2.3	UKF
		30	9	9 2.96	19	23.12	155	17.21	1.51			9	0	100	.06	3	.6	.3	SPC
		30	912	10.07	19	29.03	155	22.94	1.69	1.4		17	0	110	.12	11	1.4	1.1	NER
		30	917	34.42	19	27.80	155	23.86	6.05	2.7		27	0	78	.13	10	.7	1.6	UKF
		30	920	42.43	19	28.23	155	23.16	3.55			14	0	110	.12	10	.9	2.5	UKF
		30	924	4.07	19	27.97	155	23.95	6.25			19	0	79	.10	11	.7	1.7	UKF
		30	925	56.28	19	27.76	155	23.95	6.05	2.6		25	0	66	.14	11	1.0	2.0	UKF
		30	931	56.88	19	26.36	155	22.43	9.16	1.7		21	0	68	.09	7	.7	1.4	UKF
		30	936	36.03	19	26.42	155	22.12	7.59	1.8		25	0	92	.15	7	1.0	1.5	UKF
		30	939	30.40	19	26.16	155	25.21	8.02	1.9		29	0	67	.12	8	.7	1.1	UKF
		30	940	18.01	19	26.09	155	24.35	5.79	1.6		14	0	126	.11	9	.9	3.8	UKF
		30	945	53.47	19	28.95	155	22.81	2.14			17	0	116	.13	11	1.7	22.0	UKF
		30	946	31.29	19	27.10	155	23.50	5.66	2.0		26	0	78	.13	9	.7	1.8	UKF
		30	948	48.57	19	27.83	155	23.89	6.87	1.8		25	0	104	.10	11	.7	1.5	UKF
		30	954	31.60	19	26.95	155	23.39	1.73			15	0	182	.07	9	.5	.0	UKF
		30	958	25.40	19	23.11	155	27.66	2.69	1.5		19	0	86	.14	13	.9	2.1	UKF
		30	10	1 1.79	19	24.60	155	25.43	7.63	1.7		26	0	90	.13	10	.9	2.1	UKF
		30	10	2 44.07	19	28.10	155	22.82	1.80			16	0	98	.10	10	.7	99.0	UKF
		30	10	4 .60	19	26.94	155	23.99	4.86	1.6		16	0	96	.09	10	.7	1.2	UKF
		30	10	6 32.41	19	27.42	155	23.63	6.02	3.0		31	0	74	.12	10	.6	1.5	UKF
		30	10	9 57.08	19	26.38	155	21.98	7.21	2.0		26	0	90	.14	7	.9	1.3	UKF
		30	1014		38.16	19	27.35	155	23.92	4.26	1.3	18	0	99	.10	10	.7	1.4	UKF
		30	1018	10.31	19	25.02	155	25.96	10.74	2.1		28	0	62	.10	10	.6	.4	UKF
		30	1019	56.25	19	25.22	155	25.54	5.60			17	0	164	.17	9	2.4	6.5	UKF
		30	1023	55.73	19	25.55	155	24.64	7.49	2.1		27	0	64	.11	8	.5	1.1	UKF
		30	1026	54.81	19	23.90	155	27.16	5.47	1.4		20	0	92	.16	15	1.2	1.4	UKF
		30	1027	36.79	19	25.41	155	25.60	10.73	2.2		25	0	75	.10	9	.7	.4	UKF
		30	1042	40.23	19	25.88	155	25.18	8.67	1.6		16	0	70	.12	8	.8	2.4	UKF
		30	1045	38.09	19	25.50	155	25.54	8.29	1.9		27	0	68	.13	9	.7	1.5	UKF
		30	1049	32.95	19	25.18	155	25.44	7.55	1.0		17	0	95	.08	9	.7	1.7	UKF
		30	1052	51.07	19	27.38	155	23.80	5.90	1.5		16	0	97	.08	10	.6	2.2	UKF
		30	11	7 59.57	19	26.04	155	24.83	5.80	1.6		23	0	99	.10	8	.7	1.6	UKF
		30	1122	55.28	19	25.65	155	24.62	7.63	2.1		29	0	88	.13	8	.7	1.1	UKF
		30	1129	.42	19	25.97	155	24.82	7.65	1.5		24	0	66	.10	6	.7	1.1	UKF
		30	1135	8.05	19	25.08	155	25.19	1.37	1.3		16	0	92	.15	10	1.5	75.7	UKF
		30	1154	13.62	19	24.43	155	26.33	7.55			22	0	94	.11	11	.7	2.0	UKF
		30	12	9 22.39	19	24.51	155	26.83	6.76	2.1		24	0	97	.12	12	.8	2.3	UKF
		30	1220	32.59	19	29.31	155	23.27	5.08			18	0	93	.14	12	1.2	1.0	NER
		30	1226	20.86	19	25.58	155	25.28	9.31			21	0	69	.10	9	.7	1.8	UKF
		30	1226	59.99	19	26.30	155	22.36	6.28			15	0	113	.09	7	.7	2.0	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	30	1229	1.84	19	26.19	155	24.44	8.86	1.2		20	0	95	.10	9	.8	1.8	UKF
		30	13 4	5.27	19	27.08	155	23.41	6.30	1.6		22	0	86	.10	9	.6	1.8	UKF
		30	13 6	3.87	19	24.85	155	25.78	7.56	1.6		25	0	91	.13	10	.7	1.5	UKF
		30	1310	43.49	19	23.79	155	25.82	8.68	3.7		29	0	46	.14	11	.8	1.1	UKF
		30	1312	17.98	19	24.20	155	26.54	1.60	1.4		19	0	101	.14	12	.9	32.0	UKF
		30	1325	53.74	19	26.33	155	25.32	12.68	1.4		13	0	164	.08	11	1.3	.5	UKF
		30	1327	10.98	19	25.70	155	25.12	7.59	1.4		15	0	98	.10	8	.8	2.6	UKF
		30	1345	35.81	19	23.94	155	25.20	2.69	2.1		22	0	83	.14	10	.8	2.5	UKF
		30	14 4	24.61	19	25.29	155	24.17	11.42			14	0	85	.07	8	.6	2.5	UKF
		30	1415	37.11	19	26.05	155	24.87	7.42	2.1		25	0	71	.10	8	.5	1.1	UKF
		30	1416	29.29	19	27.32	155	24.29	5.64			20	0	167	.13	10	1.7	4.1	UKF
		30	1437	1.27	19	25.85	155	25.14	7.35			16	0	169	.12	8	1.3	3.5	UKF
		30	1445	58.03	19	24.68	155	26.50	3.00	1.5		22	0	64	.18	11	1.1	2.9	UKF
		30	1514	51.66	19	20.19	155	18.54	2.06			17	0	88	.10	6	.5	25.5	KOA
		30	1530	8.60	19	26.65	155	24.78	8.32	1.6		28	0	74	.14	9	.7	1.3	UKF
		30	1547	4.70	19	26.50	155	25.08	7.24			18	0	73	.11	9	.7	2.2	UKF
		30	1548	19.84	19	24.23	155	24.31	10.21	1.7		24	0	61	.13	8	.6	.9	UKF
		30	1559	16.64	19	26.29	155	25.26	10.12			16	0	73	.07	8	.7	2.7	UKF
		30	16 2	1.87	19	25.58	155	25.78	4.65	1.1		16	0	103	.15	10	1.3	2.9	UKF
		30	1611	55.63	19	26.65	155	23.40	8.46	2.6		27	0	68	.09	8	.5	1.0	UKF
		30	1614	29.15	19	26.09	155	26.93	8.06	1.2		14	0	213	.07	11	2.2	4.0	UKF
		30	1646	12.60	19	26.83	155	23.50	8.42	2.2		23	0	72	.08	9	.5	1.3	UKF
		30	1647	45.98	19	28.14	155	27.16	14.23			17	0	125	.07	11	1.0	1.6	UKF
		30	1656	18.00	19	27.72	155	23.80	5.74	1.5		15	0	77	.10	10	.7	2.0	UKF
		30	1723	12.34	19	26.87	155	24.07	6.86	1.5		22	0	74	.08	10	.5	1.2	UKF
		30	1746	.87	19	25.33	155	25.66	8.44	1.0		21	0	99	.08	10	.7	1.2	UKF
		30	1746	43.19	19	25.85	155	24.90	7.64	1.5		20	0	93	.07	8	.5	1.0	UKF
		30	1748	7.42	19	25.79	155	25.46	8.15	1.5		25	0	65	.11	9	.7	1.4	UKF
		30	18 7	49.70	19	26.04	155	24.68	7.96			19	0	97	.09	8	.7	1.8	UKF
		30	1811	28.02	19	26.32	155	23.30	5.90	1.0		13	0	133	.09	8	.8	3.1	UKF
		30	1827	35.32	19	22.97	155	25.63	10.14	2.1		27	0	55	.10	10	.6	.3	UKF
		30	1828	39.01	19	25.15	155	25.20	11.77	3.5		27	0	62	.10	9	.7	.3	UKF
		30	1831	42.82	19	25.40	155	24.63	7.58			23	0	67	.10	8	.5	1.3	UKF
		30	1840	14.88	19	28.22	155	23.66	6.58	2.4		27	0	74	.10	11	.6	1.0	UKF
		30	1916	15.63	19	22.27	155	24.87	10.66	2.0		26	0	51	.09	9	.5	.3	UKF
		30	1920	6.37	19	22.35	155	24.80	8.05			24	0	53	.12	9	.7	1.9	UKF
		30	1932	22.49	19	25.50	155	25.06	9.16	1.1		15	0	95	.07	9	.6	1.9	UKF
		30	1947	19.00	19	25.24	155	24.83	7.63	2.0		28	0	66	.13	9	.7	1.3	UKF
		30	20 5	24.72	19	22.94	155	27.30	5.21	1.6		21	0	76	.17	12	.9	1.3	UKF
		30	20 5	58.15	19	30.19	155	7.71	42.26	2.3		25	0	181	.06	15	1.5	2.7	GLN
		30	2034	31.48	19	24.88	155	25.71	10.67	1.4		23	0	65	.08	10	.4	.6	UKF
		30	21 1	.88	19	25.76	155	25.35	7.84	1.2		24	0	70	.10	9	.6	1.6	UKF
		30	2112	57.85	19	27.36	155	24.17	5.62	1.3		12	0	165	.11	10	2.0	5.0	UKF
		30	2117	55.41	19	25.28	155	25.51	7.85	1.3		24	0	63	.10	9	.7	1.9	UKF
		30	2122	45.92	19	25.70	155	24.46	8.13	2.5		30	0	64	.12	8	.6	1.1	UKF
		30	2125	40.60	19	25.44	155	24.86	11.37	1.7		20	0	64	.06	8	.4	.5	UKF
		30	2134	52.29	19	25.71	155	24.37	7.15	1.6		23	0	64	.12	8	.7	2.1	UKF
		30	2148	26.29	19	22.31	155	24.83	7.82	1.3		20	0	57	.12	9	.7	1.9	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	NOV	30	2152	58.01	19	25.61	155	25.40	7.00	1.7		28	0	69	.13	9	.7	1.7	UKF
		30	2154	21.66	19	25.23	155	25.69	8.60	1.3		21	0	67	.09	10	.5	1.8	UKF
		30	2157	23.42	19	28.88	155	23.01	1.95	1.1		16	0	132	.12	11	1.0	99.0	UKF
		30	22 3	50.46	19	26.75	155	23.94	.41	1.4		15	0	93	.10	9	.6	75.0	UKF
		30	2219	6.32	19	25.81	155	25.08	10.63	2.0		24	0	76	.10	8	.7	.5	UKF
		30	2238	22.11	19	25.62	155	25.22	8.92	2.0		28	0	64	.13	9	.7	1.5	UKF
		30	2252	24.50	19	24.42	155	25.57	8.14	1.3		21	0	69	.11	10	.7	1.8	UKF
		30	2255	51.91	19	27.71	155	24.17	6.68	1.7		24	0	78	.13	11	.7	2.1	UKF
		30	2314	2.16	19	27.60	155	24.17	7.18	3.3		27	0	64	.14	11	.8	1.6	UKF
		30	2317	49.84	19	26.92	155	25.00	.47			16	0	112	.13	9	1.1	99.0	UKF
		30	2320	22.30	19	25.10	155	26.41	7.80	2.2		25	0	74	.15	11	.8	1.7	UKF
	DEC	1	022	40.15	19	25.49	155	25.26	7.96	1.3		22	0	93	.09	9	.6	1.5	UKF
		1	041	51.45	19	22.30	155	24.98	9.06	1.4		25	0	53	.13	10	.8	1.5	UKF
		1	044	3.79	19	23.00	155	17.03	1.71			11	0	99	.06	2	.5	.2	SPC
		1	118	23.94	19	26.70	155	23.78	8.45	1.3		18	0	72	.10	9	.7	1.1	UKF
		1	119	4.95	19	24.41	155	26.45	9.65	1.6		25	0	63	.11	11	.7	3.1	UKF
		1	138	32.94	19	25.43	155	25.70	5.99	1.5		23	0	68	.12	10	.5	2.5	UKF
		1	149	37.79	19	26.71	155	24.65	7.11	1.4		19	0	74	.08	10	.5	1.7	UKF
		1	229	14.94	19	24.10	155	26.76	5.96	1.4		22	0	92	.12	12	.8	2.2	UKF
		1	332	54.20	19	23.39	155	26.57	8.33	3.1		28	0	45	.16	12	.9	1.5	UKF
		1	345	41.72	19	26.68	155	22.98	2.62	1.5		21	0	77	.15	8	.9	3.5	UKF
		1	4 9	36.81	19	27.22	155	26.63	1.54			18	0	165	.13	14	1.2	26.6	UKF
		1	446	20.43	19	24.88	155	26.74	6.91	1.2		23	0	101	.11	11	.7	2.1	UKF
		1	615	49.69	19	22.98	155	27.44	6.52	2.2		24	0	54	.14	12	.8	2.0	UKF
		1	641	42.17	19	27.49	155	22.13	3.01	1.1		17	0	107	.09	8	.6	2.1	UKF
		1	645	54.30	19	24.81	155	23.70	7.37			17	0	77	.08	8	.5	1.2	UKF
		1	646	40.80	19	25.02	155	23.61	9.10			15	0	77	.04	8	.4	1.3	UKF
		1	652	10.04	19	26.56	155	15.58	29.62	1.6		23	0	138	.07	4	1.0	1.6	DEP
		1	659	32.93	19	24.16	155	25.73	8.36			24	0	61	.12	11	.7	1.4	UKF
		1	7 5	28.99	19	24.06	155	26.35	10.31	2.9		29	0	58	.12	12	.7	.3	UKF
		1	738	.38	19	24.20	155	26.64	7.45			19	0	93	.10	12	.7	2.0	UKF
		1	747	6.49	19	23.63	155	24.23	9.46	1.1		17	0	114	.07	8	.6	1.1	UKF
		1	8 8	50.38	19	23.76	155	16.93	1.90	.5		9	0	82	.06	2	.5	.3	SPC
		1	855	56.49	19	22.56	155	23.57	2.77			17	0	82	.17	7	.9	3.5	UKF
		1	919	3.67	19	23.81	155	24.38	8.26			24	0	59	.14	8	.8	1.5	UKF
		1	919	33.56	19	25.18	155	25.67	8.46			22	0	67	.10	10	.5	1.2	UKF
		1	923	1.81	19	23.57	155	25.42	.47			16	0	107	.13	11	.8	99.0	UKF
		1	10 4	25.82	19	24.92	155	25.86	7.58	2.3		28	0	65	.13	10	.7	1.5	UKF
		1	1052	21.81	19	27.00	155	24.03	7.58	1.9		23	0	69	.13	10	.8	1.5	UKF
		1	1152	48.72	19	24.97	155	25.43	6.27	1.9		19	0	65	.12	10	.8	2.5	UKF
		1	1135	20.07	19	24.86	155	24.94	9.01			17	0	88	.06	9	.5	1.5	UKF
		1	1146	28.99	19	25.27	155	25.34	8.10	1.7		21	0	91	.10	9	.7	1.2	UKF
		1	1149	4.69	19	24.11	155	25.89	1.27			14	0	158	.12	11	1.2	99.6	UKF
		1	12 7	59.06	19	23.73	155	16.84	2.00			9	0	83	.08	2	.7	1.2	SPC
		1	1244	6.21	19	26.80	155	25.12	8.28	1.7		15	0	145	.05	9	.5	1.1	UKF
		1	1247	36.12	19	22.88	155	25.61	5.57	1.7		19	0	55	.14	10	.8	1.1	UKF
		1	1344	20.27	19	24.25	155	26.81	8.77	1.8		23	0	62	.14	12	.8	2.4	UKF
		1	1429	26.98	19	25.23	155	26.25	10.85	2.9		28	0	63	.11	11	.7	.4	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	RMS DEG	MIN SEC	ERH DIS	ERZ KM	KM	REMK
1974	DEC	1	1439	55.61	19	24.17	155	24.91	8.08			20	0	61	.08	9	.6	1.7	UKF
		1	1515	54.57	19	26.84	155	24.03	5.45	1.5		20	0	73	.14	10	.9	1.1	UKF
		1	1518	35.95	19	24.66	155	26.21	8.21	1.7		21	0	64	.11	11	.8	2.0	UKF
		1	1520	.30	19	23.22	155	17.18	1.83			9	0	98	.08	3	.8	.3	SPC
		1	16	0 42.22	19	26.48	155	22.41	8.54	1.5		17	0	70	.09	7	.7	1.4	UKF
		1	16	6 52.29	19	25.66	155	25.29	7.71	1.7		21	0	99	.09	9	.7	1.9	UKF
		1	1628	37.73	19	25.88	155	26.26	11.71	1.8		12	0	195	.06	10	2.2	7.1	UKF
		1	1634	29.65	19	26.93	155	24.52	6.49	1.9		20	0	75	.12	10	.7	2.4	UKF
		1	1642	38.90	19	22.63	155	17.28	2.00			10	0	112	.10	3	.8	.0	KOA
		1	1713	53.56	19	26.34	155	24.52	5.63	1.9		18	0	98	.13	9	1.0	3.8	UKF
		1	1745	12.26	19	25.89	155	25.04	7.66			18	0	70	.10	8	.7	1.2	UKF
		1	1839	32.66	19	23.01	155	17.31	1.29	.8		10	0	105	.07	3	.6	.4	SPC
		1	1859	11.05	19	25.11	155	26.03	8.88	3.1		30	0	49	.14	10	.7	1.1	UKF
		1	1910	13.50	19	25.32	155	26.29	8.79	1.7		20	0	85	.14	11	1.0	2.8	UKF
		1	1913	32.11	19	25.63	155	25.02	8.84	2.2		30	0	64	.15	8	.8	1.2	UKF
		1	1917	44.76	19	24.63	155	25.72	11.87	2.1		22	0	64	.13	10	.9	.4	UKF
		1	1945	6.28	19	22.37	155	24.82	6.34			18	0	81	.11	9	.7	2.1	UKF
		1	1959	30.08	19	24.76	155	26.44	8.17			20	0	79	.12	11	.8	2.4	UKF
		1	20	4 54.93	19	24.37	155	25.44	10.86			18	0	65	.07	10	.6	.6	UKF
		1	2011	31.54	19	23.16	155	27.25	5.48	1.8		19	0	67	.15	12	.9	1.7	UKF
		1	2014	35.22	19	25.62	155	25.34	7.69	2.2		26	1	65	.12	9	.7	1.9	UKF
		1	2036	54.83	19	26.08	155	29.11	8.68	1.9		25	0	68	.11	12	.7	1.4	UKF
		1	2041	59.32	19	21.91	155	17.97	2.00	1.1		13	0	82	.13	4	.8	.0	KOA
		1	2115	27.88	19	21.92	155	18.25	.34	1.1		15	0	74	.08	4	.3	1.5	KOA
		1	2120	50.67	19	27.70	155	24.37	5.30	1.9		21	0	78	.12	11	.8	1.0	UKF
		1	2212	53.80	19	27.21	155	24.28	7.13	1.9		24	0	76	.13	10	.8	2.2	UKF
		1	2218	30.16	19	23.89	155	26.24	.12	1.9		23	0	88	.18	11	1.0	6.2	UKF
		1	2223	55.29	19	23.21	155	26.03	7.53	1.7		24	0	56	.18	11	1.1	2.8	UKF
		1	2257	9.12	19	25.61	155	23.63	11.55			23	0	120	.12	8	1.0	.5	UKF
		1	2325	44.76	19	11.80	155	26.46	38.87			24	0	138	.11	20	1.5	3.6	LSW
		1	2333	46.52	19	16.73	155	22.19	33.66	2.3		22	0	135	.08	8	1.2	3.1	SWR
		1	2346	49.52	19	24.62	155	23.57	3.72	1.4		14	0	114	.09	8	.7	5.2	UKF
		2	0	3 19.59	19	26.75	155	25.02	7.46	2.2		25	0	75	.12	9	.7	1.2	UKF
		2	024	10.82	19	26.97	155	22.60	6.34	2.3		26	0	98	.14	8	.9	1.5	UKF
		2	054	19.51	19	20.01	155	10.22	7.92	2.2		27	0	85	.12	7	.8	1.3	UER
		2	059	42.48	19	20.12	155	10.27	7.97	1.8		24	0	83	.15	7	1.0	1.5	UER
		2	145	47.90	19	26.49	155	22.37	8.88			16	0	70	.08	7	.7	2.1	UKF
		2	146	9.58	19	26.09	155	23.23	10.91	2.3		25	0	74	.13	8	.8	.5	UKF
		2	158	6.88	19	24.45	155	25.90	9.91			18	0	70	.09	11	.7	3.3	UKF
		2	159	55.33	19	26.98	155	24.08	7.75	1.6		20	0	74	.10	10	.7	1.7	UKF
		2	215	23.83	19	25.27	155	24.95	10.10	1.7		20	0	92	.07	9	.5	2.7	UKF
		2	215	30.97	19	25.14	155	25.65	11.73	2.4		19	0	135	.15	10	1.6	.5	UKF
		2	217	38.36	19	24.92	155	26.47	7.77			22	0	80	.12	11	.8	2.4	UKF
		2	228	44.29	19	26.36	155	29.68	9.41	1.9		28	0	70	.16	12	.9	1.2	UKF
		2	318	19.08	19	26.87	155	24.67	7.14	1.6		23	0	75	.10	10	.6	1.7	UKF
		2	324	4.38	19	27.14	155	23.98	8.72	2.7		51	0	67	.14	10	.7	1.1	UKF
		2	357	41.32	19	24.87	155	26.20	8.14	1.7		22	0	65	.12	10	.8	2.2	UKF
		2	4	7 28.64	19	25.51	155	24.84	7.08	2.3		27	1	64	.12	8	.6	1.5	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	2	428	1.66	19	24.01	155	26.68	6.59			19	0	60	.10	12	.7	1.9	UKF
		2	443	50.56	19	24.36	155	26.53	7.00	2.0		27	0	62	.13	12	.7	2.1	UKF
		2	518	41.31	19	15.37	155	20.33	29.63			20	0	148	.12	10	1.9	4.1	HLP
		2	535	46.14	19	22.79	155	16.99	2.00			9	0	101	.10	2	.8	.0	KOA
		2	541	16.57	19	25.91	155	28.50	7.88	1.8		25	0	67	.13	15	.9	2.6	UKF
		2	546	38.23	19	23.05	155	26.08	6.49			17	0	80	.11	11	.8	1.9	UKF
		2	610	52.15	19	26.34	155	24.73	8.82	1.9		18	0	72	.16	9	1.2	3.0	UKF
		2	618	53.96	19	22.43	155	18.34	26.61			19	0	61	.08	4	1.3	2.9	DEP
		2	625	35.47	19	24.10	155	24.21	9.19	1.9		25	0	61	.13	9	.8	1.3	UKF
		2	659	39.03	19	28.25	155	23.69	2.17	1.8		12	1	230	.14	11	5.7	70.8	UKF
		2	740	40.77	19	26.61	155	25.38	7.09			21	0	69	.13	11	1.0	3.1	UKF
		2	839	14.33	19	25.23	155	24.80	7.42			22	0	90	.13	9	1.0	2.5	UKF
		2	859	2.20	19	23.96	155	23.96	10.22			18	0	74	.05	7	.4	1.6	UKF
		2	9	4 55.30	19	25.09	155	26.13	6.67			28	0	62	.13	10	.7	1.7	UKF
		2	9	8 5.30	19	23.39	155	26.51	7.78			26	0	82	.12	12	.7	1.8	UKF
		2	951	46.74	19	25.13	155	16.68	1.33	.8		11	0	122	.10	2	.5	.3	SPC
		2	954	12.06	19	22.69	155	17.28	2.00	.9		13	0	80	.11	3	.7	.0	KOA
		2	1019	50.20	19	23.50	155	24.17	8.23			19	0	98	.13	8	1.0	1.6	UKF
		2	1025	18.26	19	28.75	155	23.44	3.82	2.1		20	1	100	.16	11	1.2	2.5	UKF
		2	11	4 25.85	19	28.93	155	22.72	5.13	2.8		29	1	100	.15	11	.8	1.0	UKF
		2	1115	52.38	19	24.27	155	26.57	6.31			19	0	138	.13	12	1.2	2.5	UKF
		2	1120	41.35	19	25.40	155	25.59	8.00			18	0	99	.08	10	.6	2.3	UKF
		2	1140	44.39	18	59.93	155	28.80	43.50			19	0	231	.13	31	4.3	7.9	DIS
		2	1240	32.62	19	1.91	155	30.30	40.03	3.3		31	0	196	.10	27	1.7	5.6	LSN
		2	13	2 19.02	19	21.26	155	30.03	9.29	2.4		31	1	40	.15	12	.7	1.0	HEA
		2	1329	6.91	19	22.78	155	17.25	1.23	.9		12	0	77	.09	2	.6	.5	KOA
		2	1355	7.64	19	24.62	155	26.00	7.75			20	0	69	.10	11	.7	2.0	UKF
		2	1413	36.15	19	25.25	155	26.23	8.81	1.7		16	0	102	.10	11	.9	2.4	UKF
		2	1434	7.62	19	29.14	155	27.92	7.39	2.2		27	0	90	.14	15	.9	3.2	NER
		2	1455	16.31	19	24.95	155	26.98	11.46	1.8		12	0	202	.06	11	1.0	.5	UKF
		2	1517	12.37	19	24.18	155	26.99	6.31	2.0		25	0	61	.16	12	.9	2.7	UKF
		2	1631	44.73	19	26.54	155	23.03	8.95	1.9		21	1	77	.08	8	.5	1.1	UKF
		2	1644	24.67	19	27.03	155	23.88	7.23	1.6		22	0	95	.12	10	.6	1.4	UKF
		2	17	8 7.19	19	22.96	155	17.49	1.36	1.3		18	0	51	.17	3	.8	.7	KOA
		2	1716	25.79	19	26.46	155	25.55	7.22			23	0	74	.14	9	.6	2.3	UKF
		2	1747	4.32	19	21.79	155	18.17	1.77	1.4		15	0	99	.10	4	.7	99.0	KOA
		2	18	3 45.88	19	25.14	155	25.26	5.93			17	0	81	.10	9	.8	3.0	UKF
		2	18	4 44.91	19	25.03	155	26.03	10.77	1.8		17	0	80	.12	10	1.2	.8	UKF
		2	1828	56.98	19	23.60	155	26.39	7.53	1.7		20	0	87	.11	12	.8	1.9	UKF
		2	1846	37.46	19	25.51	155	25.81	7.92	1.7		22	0	69	.19	10	1.2	3.5	UKF
		2	1910	14.21	19	25.48	155	25.24	7.30	1.6		25	0	64	.15	9	.5	2.6	UKF
		2	1941	12.31	19	27.52	155	23.88	8.09	1.6		21	0	76	.10	10	.6	1.1	UKF
		2	20	3 49.46	19	22.86	155	25.95	.20	1.6		17	0	55	.15	12	.8	50.1	UKF
		2	20	8 56.24	19	25.92	155	23.74	5.90	1.5		19	0	68	.13	8	.9	2.8	UKF
		2	2112	58.97	19	25.29	155	25.25	9.15	2.0		28	0	63	.13	9	.7	1.2	UKF
		2	2117	58.20	19	24.91	155	25.85	7.65	2.1		27	0	61	.14	10	.7	1.7	UKF
		2	2132	2.90	19	22.92	155	16.83	1.58	.9		12	0	79	.12	2	.8	.4	KOA
		2	2136	9.40	19	25.90	155	25.18	7.25	1.6		16	0	155	.10	8	1.0	3.3	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	2	2153	4.68	19	25.39	155	25.60	7.49			22	0	68	.12	9	.8	2.2	UKF
		2	22 3	2.10	19	25.37	155	27.93	6.00	2.2		20	0	74	.14	13	.9	3.2	UKF
		2	2316	17.43	19	25.51	155	24.67	8.85	2.6		32	0	44	.14	8	.7	.9	UKF
		3	0 4	3.17	19	24.67	155	25.81	1.64	1.6		15	0	167	.15	10	1.4	.0	UKF
		3	048	12.18	19	25.02	155	25.97	8.47	1.7		23	0	66	.11	10	.7	1.7	UKF
		3	1 6	28.77	19	27.05	155	23.12	6.24	1.5		20	0	80	.11	9	.7	1.9	UKF
		3	111	38.26	19	24.26	155	27.13	6.50	1.8		19	0	72	.13	12	.9	2.5	UKF
		3	113	7.90	19	26.91	155	22.96	5.60	1.7		18	0	105	.11	8	.8	2.4	UKF
		3	154	7.35	19	21.97	155	18.14	1.51	1.1		14	0	98	.10	4	.7	99.0	KOA
		3	3 3	39.39	19	23.08	155	18.73	8.60	1.3		14	0	87	.26	4	2.7	4.6	LPC
		3	350	27.10	19	24.81	155	26.67	7.50	1.7		15	0	168	.09	11	1.0	2.3	UKF
		3	411	22.62	19	24.76	155	25.98	7.38	1.7		22	0	65	.12	10	.8	2.3	UKF
		3	443	24.43	19	30.29	155	47.50	8.37	2.5		26	0	84	.18	20	1.2	1.1	KON
		3	448	36.36	19	25.75	155	24.92	8.02	1.6		17	0	97	.08	8	.7	1.8	UKF
		3	452	28.14	19	25.56	155	25.11	8.19	1.7		27	0	64	.14	9	.7	1.3	UKF
		3	521	48.99	19	26.16	155	25.16	5.19	1.6		15	0	173	.09	8	.6	.9	UKF
		3	624	28.76	19	25.47	155	16.75	1.89	.7		13	0	124	.10	2	.7	.3	SPC
		3	7 6	10.40	19	18.63	155	13.02	7.75			17	0	90	.07	9	.6	1.3	POL
		3	846	32.29	19	20.38	155	19.44	1.73	1.3		11	0	105	.08	6	.7	99.0	SWR
		3	956	41.31	19	20.44	155	19.23	4.87	2.2		26	0	50	.11	6	.5	1.0	SWR
		3	1048	15.45	19	23.15	155	17.11	1.47	1.8		21	0	48	.10	3	.4	.3	SPC
		3	1229	48.96	19	25.35	155	24.96	9.82	1.5		17	0	67	.08	9	.5	2.8	UKF
		3	1242	6.63	19	27.83	155	22.67	2.86	1.9		17	0	99	.15	9	1.0	4.6	UKF
		3	1311	45.11	19	26.59	155	24.62	5.45	1.6		14	0	102	.11	9	.9	1.2	UKF
		3	1333	3.05	19	27.02	155	23.03	6.85	1.4		15	0	80	.08	8	.6	1.9	UKF
		3	1342	58.99	19	26.88	155	23.67	10.44	1.6		14	0	73	.21	9	1.9	7.0	UKF
		3	1416	51.36	19	28.14	155	27.01	12.71			12	0	239	.10	11	2.7	.5	UKF
		3	1423	5.99	19	26.94	155	24.08	7.58	1.9		24	0	69	.14	10	.9	1.7	UKF
		3	1423	38.58	19	26.77	155	23.83	10.75	2.8		26	0	73	.09	9	.6	.3	UKF
		3	1428	5.11	19	24.31	155	25.98	6.82	1.7		12	0	222	.09	11	1.9	2.6	UKF
		3	1432	50.20	19	22.66	155	17.49	1.29			6	0	118	.07	4	1.5	1.2	KOA
		3	1447	40.73	19	26.84	155	23.79	8.79	3.1		29	0	67	.12	9	.7	1.1	UKF
		3	1455	35.15	19	26.98	155	23.76	10.84	2.4		25	0	69	.10	9	.6	.3	UKF
		3	1512	4.75	19	25.49	155	25.46	9.82	2.0		25	0	64	.13	9	.7	3.7	UKF
		3	16 0	46.56	19	26.88	155	24.06	6.83	1.4		15	0	90	.12	10	.8	2.3	UKF
		3	1621	5.98	19	24.01	155	26.57	5.96	2.0		22	0	62	.11	12	.6	2.0	UKF
		3	1830	41.54	19	23.36	155	27.64	6.00	1.2		18	0	69	.13	13	.8	1.6	UKF
		3	2135	4.87	19	25.20	155	16.98	2.40	1.8		26	0	93	.13	2	.6	1.2	SPC
		3	2221	40.57	19	27.44	155	22.06	6.13	1.5		18	0	60	.08	8	.5	1.2	UKF
		4	014	34.10	19	22.58	155	17.23	1.56	.9		10	0	112	.05	5	.5	.2	KOA
		4	020	45.15	19	25.56	155	25.95	7.74	1.8		22	0	79	.14	11	.9	1.5	UKF
		4	029	4.37	19	25.58	155	25.06	7.29			15	0	83	.10	9	.8	2.4	UKF
		4	029	36.87	19	26.06	155	24.98	7.28	1.6		20	0	86	.11	8	.7	2.3	UKF
		4	1 0	41.22	19	21.92	155	18.30	.18	1.2		15	0	75	.05	4	.2	.9	KOA
		4	111	59.75	19	19.69	155	26.92	8.23	1.6		23	0	74	.17	6	1.0	1.7	HEA
		4	121	37.69	19	21.61	155	17.97	1.92	1.1		12	0	92	.10	4	.8	.0	KOA
		4	157	31.75	19	24.70	155	30.68	10.27	2.0		22	0	56	.11	11	.9	.6	MOK
		4	255	53.83	19	14.24	155	8.91	41.92	2.5		34	1	197	.10	15	1.2	1.4	POL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	4	3 0	19.34	19	25.86	155	25.18	7.66			15	0	70	.08	10	.7	2.5	UKF
		4	3 0	55.27	19	25.29	155	25.46	6.66	1.6		22	0	67	.10	9	.6	2.0	UKF
		4	412	16.44	19	22.51	155	17.43	1.47	1.3		16	0	85	.08	3	.4	.4	KOA
		4	6 0	45.79	19	24.03	155	26.19	4.49			14	0	77	.13	11	1.0	4.4	UKF
		4	637	54.90	19	20.65	155	19.02	5.28	2.2		27	0	48	.12	6	.5	.8	SWR
		4	646	36.06	19	24.81	155	26.28	8.38	1.4		19	0	65	.14	11	1.1	2.7	UKF
		4	737	4.55	19	22.00	155	24.24	8.32	1.7		16	0	125	.13	9	1.1	2.4	UKF
		4	8 5	43.82	19	24.35	155	25.92	.71	1.5		12	0	163	.13	11	2.5	13.4	UKF
		4	911	22.48	19	24.90	155	26.22	6.82	1.7		18	0	162	.11	10	1.0	1.8	UKF
		4	912	46.24	19	25.85	155	24.94	6.52	1.6		19	0	151	.13	8	1.0	3.3	UKF
		4	1142	19.97	19	26.47	155	23.59	7.19	1.8		25	0	70	.13	8	.7	1.3	UKF
		4	1349	36.42	19	23.97	155	13.31	6.44	1.4		18	0	62	.06	5	.4	.8	GLN
		4	15 4	29.86	19	22.26	155	17.26	1.20	1.0		12	0	105	.08	3	.5	.3	KOA
		4	16 7	45.60	19	22.86	155	22.77	9.13	1.6		20	0	67	.06	9	.4	.6	UKF
		4	1632	43.34	19	22.03	155	18.10	.88	1.0		15	0	71	.08	4	.3	.4	KOA
		4	1634	24.55	19	23.17	155	22.64	6.49	1.5		15	0	93	.08	9	.4	1.0	UKF
		4	17 6	12.26	19	24.26	155	27.48	3.91	1.8		18	0	136	.15	13	1.1	2.2	UKF
		4	1711	3.57	19	26.25	155	24.15	8.93	2.1		28	0	66	.14	9	.7	1.0	UKF
		4	1730	40.44	19	27.01	155	24.03	7.56	1.6		17	0	97	.12	10	.9	1.6	UKF
		4	1910	4.93	19	21.89	155	18.20	2.38	1.2		16	0	75	.07	4	.4	3.1	KOA
		4	2029	34.46	19	27.34	155	24.63	7.05	2.0		27	0	77	.16	10	.8	1.5	UKF
		4	2146	45.18	19	26.67	155	22.80	8.90			20	0	79	.10	8	.7	1.7	UKF
		4	23 3	58.23	19	22.81	155	17.10	1.19			12	0	76	.10	4	.6	.5	KOA
		4	2355	46.36	19	25.66	155	25.39	7.06	1.8		20	0	107	.09	9	.7	1.8	UKF
		5	2 2	19.18	19	21.86	155	18.15	3.27	2.2		26	0	40	.12	4	.5	1.2	KOA
		5	2 5	20.18	19	26.77	155	24.95	7.56	2.2		23	0	106	.11	9	.7	1.4	UKF
		5	341	5.66	19	27.23	155	24.74	6.67	2.2		28	0	72	.11	10	.6	1.2	UKF
		5	415	19.15	19	27.59	155	21.90	8.96	1.5		20	0	97	.11	8	.8	1.2	UKF
		5	641	34.90	19	24.98	155	25.15	7.86	1.5		22	0	61	.12	9	.8	2.1	UKF
		5	730	.04	19	25.76	155	24.83	6.64	2.1		26	0	96	.12	8	.7	1.7	UKF
		5	810	28.66	19	27.88	155	25.71	11.82	1.8		11	0	211	.08	10	4.9	13.5	UKF
		5	844	29.29	19	25.45	155	25.05	5.60	1.6		14	0	95	.10	9	.9	4.3	UKF
		5	9 0	38.83	19	20.51	155	16.56	27.25			16	0	106	.07	5	1.3	3.6	DEP
		5	1041	21.77	19	23.29	155	24.80	8.16	1.7		24	0	57	.13	9	.8	1.5	UKF
		5	1046	41.62	19	28.13	155	36.42	.74	2.2		13	0	197	.18	2	1.7	3.5	HDK
		5	1137	38.40	19	22.52	155	17.35	1.10	1.0		9	0	94	.06	3	.4	.3	KOA
		5	12 4	9.14	19	22.53	155	17.50	.63	1.2		10	0	83	.09	3	.5	2.3	KOA
		5	1235	21.51	19	20.24	155	19.79	1.71	1.4		13	0	115	.12	6	.9	.0	SWR
		5	1257	18.20	19	25.33	155	25.17	9.01			14	0	68	.09	10	.8	2.6	UKF
		5	1445	27.66	19	26.33	155	24.48	6.85	1.6		18	0	87	.16	9	1.1	3.3	UKF
		5	15 6	59.07	19	22.69	155	22.81	8.44	1.7		20	0	61	.10	8	.7	1.0	UKF
		5	15 8	35.91	19	22.96	155	22.79	8.96	1.9		18	0	92	.06	8	.4	.5	UKF
		5	1523	48.14	19	25.73	155	25.95	8.72			18	0	70	.08	10	.7	1.7	UKF
		5	1526	22.17	19	24.21	155	27.60	10.89	1.9		13	0	216	.07	13	3.5	8.3	UKF
		5	16 1	59.74	19	22.88	155	22.58	8.16			14	0	89	.13	9	.8	1.5	UKF
		5	1621	35.74	19	25.42	155	53.88	80.98			12	0	341	.33	60	60.3	78.5	KOK
		5	1635	17.49	19	25.58	155	24.66	6.73	1.7		22	0	92	.14	6	.9	1.8	UKF
		5	1735	21.52	19	25.80	155	25.04	10.22	2.5		25	0	70	.11	8	.7	1.0	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	5	1739	6.63	19	23.02	155	15.32	2.00	1.0		9	0	113	.17	3	1.4	.0	SPC
		5	1742	34.56	19	22.89	155	22.54	7.37	1.5		17	0	84	.05	9	.3	.9	UKF
		5	1759	21.65	19	25.11	155	26.37	6.73	1.7		19	0	101	.16	11	1.1	3.7	UKF
		5	2016	49.50	19	24.71	155	25.36	9.56			16	0	90	.09	10	.8	3.4	UKF
		5	21 2	52.46	19	22.81	155	22.75	7.12			13	0	90	.09	9	.8	2.2	UKF
		5	21 3	8.83	19	22.80	155	22.59	8.15	1.5		15	0	88	.08	9	.6	.9	UKF
		5	2130	25.54	19	20.41	155	19.66	4.47	1.6		22	0	81	.10	6	.5	1.1	SWR
		5	2231	41.81	19	25.05	155	17.62	2.07	.3		10	0	81	.10	3	1.0	2.2	SPC
		6	147	39.35	19	23.48	155	27.07	7.29	2.4		27	0	65	.16	13	.8	2.4	UKF
		6	2 4	2.77	19	23.30	155	14.78	1.49	1.5		22	0	56	.09	3	.3	.2	GLN
		6	2 6	23.04	19	26.54	155	25.02	7.45	2.4		29	0	69	.12	9	.6	1.1	UKF
		6	211	14.41	19	24.86	155	25.30	10.18	2.0		25	0	65	.10	10	.5	.7	UKF
		6	244	45.82	19	25.94	155	27.61	6.07			21	0	99	.09	12	.6	2.6	UKF
		6	3 7	31.45	19	24.14	155	26.58	8.18	1.9		26	0	61	.12	12	.6	1.3	UKF
		6	318	4.39	19	26.02	155	25.25	8.45	1.8		20	0	71	.09	8	.6	1.6	UKF
		6	331	20.24	19	23.05	155	14.63	2.00			10	0	115	.09	3	.7	.0	GLN
		6	332	53.19	20	3.56	156	5.19	38.35			9	0	271	.06	66	5.7	7.8	DIS
		6	342	42.37	19	26.87	155	24.30	8.26	1.8		23	0	74	.09	10	.5	1.5	UKF
		6	356	41.25	19	25.58	155	23.11	7.26			18	0	123	.06	8	.4	1.2	UKF
		6	442	50.17	19	23.07	155	14.30	3.63			8	0	113	.07	3	.2	.7	GLN
		6	518	41.69	19	25.46	155	16.58	13.00			16	0	124	.04	3	.5	.4	DEP
		6	536	47.44	19	24.45	155	25.38	9.51			20	0	63	.09	10	.6	3.1	UKF
		6	6 0	1.77	19	25.12	155	18.04	15.27			23	0	65	.17	3	1.3	1.8	DEP
		6	6 2	3.53	19	25.33	155	16.17	12.53	1.5		26	0	48	.12	3	.8	.3	LPC
		6	644	41.05	19	25.39	155	24.48	9.07	1.8		21	0	67	.08	8	.6	1.4	UKF
		6	7 1	57.50	19	21.81	155	16.32	1.64			11	0	74	.11	4	1.1	99.0	KOA
		6	718	24.43	19	23.17	155	17.25	1.49			8	0	100	.09	3	1.0	.5	SPC
		6	8 9	47.90	19	22.85	155	22.98	8.51	1.7		21	0	55	.06	8	.4	1.0	UKF
		6	9 2	49.67	19	24.27	155	26.52	7.64	2.7		23	0	62	.13	12	.7	1.4	UKF
		6	9 8	43.66	19	23.22	155	14.81	1.39			8	0	108	.06	3	.4	.4	GLN
		6	1222	48.67	19	25.09	155	25.66	10.22	2.2		22	0	96	.11	10	.8	.7	UKF
		6	1354	25.54	19	23.46	155	14.82	1.51			9	0	139	.07	3	.7	.3	GLN
		6	1558	37.29	19	24.82	155	28.60	34.15	2.3		10	0	166	.20	13	9.4	34.9	UKF
		6	1736	14.60	19	28.60	155	29.11	7.73			20	0	92	.11	12	.8	2.5	UKF
		6	1927	46.29	19	21.39	155	15.20	10.42			17	0	77	.04	5	.3	1.2	KOA
		6	1934	52.03	19	21.92	155	18.22	.92			13	0	75	.07	4	.3	.4	KOA
		6	2035	36.50	19	21.66	155	15.49	10.13	2.7		29	0	61	.10	4	.6	.3	KOA
		6	2223	43.51	19	22.65	155	22.67	8.26			21	0	60	.09	9	.6	1.5	UKF
		6	2340	17.71	19	26.42	155	23.37	11.15	1.6		15	0	82	.04	8	.4	1.8	UKF
		7	024	55.57	19	22.03	155	25.72	9.40	1.8		22	0	72	.09	11	.6	1.6	UKF
		7	041	23.33	19	25.17	155	25.06	8.57	2.6		25	0	66	.09	9	.5	1.3	UKF
		7	117	46.66	19	19.41	155	11.54	8.64	1.7		25	0	96	.12	7	.8	1.7	UER
		7	142	32.29	19	20.74	155	6.71	9.16	2.2		26	0	96	.11	7	.7	1.0	UER
		7	213	44.21	19	25.20	155	37.59	3.32	3.1		18	0	196	.09	8	.8	1.4	MOK
		7	248	46.08	19	23.30	155	14.88	1.49	1.3		15	0	56	.08	3	.4	.3	GLN
		7	325	52.54	19	19.63	155	11.88	8.37			20	0	89	.06	6	.4	1.0	UER
		7	350	26.03	19	19.49	155	16.20	9.66	1.8		26	0	94	.07	5	.4	.4	KOA
		7	7 1	41.48	19	24.58	155	24.53	10.61	1.9		20	0	83	.09	9	.6	.9	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	7	7 9	41.06	19	24.51	155	17.41	13.83			18	0	73	.07	2	.7	.9	DEP
		7	718	54.49	19	23.29	155	15.22	.17	2.7		19	0	57	.11	3	.5	.4	SPC
		7	739	56.46	19	25.43	155	24.86	10.42	3.0		28	0	63	.12	9	.8	.4	UKF
		7	831	18.00	19	23.30	155	15.07	2.00	1.2		9	0	105	.17	5	1.6	.0	SPC
		7	835	12.83	19	23.31	155	15.14	.21	2.5		18	0	69	.09	3	.3	.3	SPC
		7	934	38.49	19	23.43	155	15.02	2.00			8	0	165	.17	3	2.2	.0	SPC
		7	1040	9.95	19	23.94	155	15.27	1.74	1.1		18	0	49	.11	5	.5	.3	SPC
		7	1113	24.04	19	23.78	155	14.82	2.13	1.0		10	0	98	.08	3	.6	15.5	GLN
		7	1144	21.03	19	25.70	155	16.76	1.81	.4		12	0	158	.11	2	.9	.4	SPC
		7	1243	25.60	19	25.49	155	36.80	1.09	2.8		20	0	96	.15	7	.8	1.5	MOK
		7	1246	.11	19	23.72	155	14.92	2.52			9	0	92	.07	3	.5	3.7	GLN
		7	1249	46.21	19	23.69	155	14.81	1.13			9	0	133	.08	4	.8	.5	GLN
		7	1254	16.09	19	26.60	155	24.75	.57	1.7		14	0	155	.12	9	1.1	84.3	UKF
		7	13 3	4.78	19	23.50	155	26.98	4.90	1.7		18	0	78	.13	13	.8	1.3	UKF
		7	1446	35.83	19	24.95	155	25.75	8.14	1.7		19	0	95	.12	10	.9	2.4	UKF
		7	1514	27.91	19	24.43	155	26.84	9.13	4.1		31	0	59	.15	12	.8	1.0	UKF
		7	1518	35.33	19	25.00	155	26.39	.87			15	0	86	.16	10	1.1	44.6	UKF
		7	1832	21.24	19	23.10	155	14.55	2.00			9	0	215	.11	4	2.0	.0	GLN
		7	1911	2.16	19	24.51	155	27.14	7.64	1.8		17	0	103	.13	12	1.1	1.8	UKF
		7	1952	2.26	19	24.92	155	25.00	2.71	1.5		10	0	89	.13	9	1.5	33.2	UKF
		7	1957	18.35	19	26.28	155	26.25	8.52	1.7		15	0	176	.08	10	.9	2.4	UKF
		7	2019	17.75	19	25.94	155	24.72	8.76	2.1		26	0	85	.17	8	1.0	1.3	UKF
		7	2036	15.51	19	23.26	155	14.61	1.88			9	0	210	.06	4	1.1	99.0	GLN
		7	2042	25.62	19	22.99	155	23.15	1.22			17	0	64	.19	8	1.1	99.0	UKF
		7	2127	11.32	19	25.34	155	24.84	1.32	1.5		14	0	92	.08	9	.6	99.0	UKF
		7	2220	29.53	19	18.97	155	13.65	9.13	2.8		28	0	68	.12	7	.7	1.0	POL
		7	2226	2.02	19	23.59	155	17.04	1.88	.7		13	0	55	.06	2	.4	.2	SPC
		8	028	52.50	19	46.98	156	51.61	28.59	3.3		10	0	355	.36	163	97.2	97.1	DTS
		8	031	29.62	19	28.58	155	35.63	1.05	2.2		12	0	129	.18	5	1.5	.7	MOK
		8	1 6	24.60	19	21.70	155	18.39	2.82			10	0	103	.13	4	1.0	9.5	KOA
		8	119	11.62	19	24.49	155	26.93	7.48	1.8		19	0	97	.12	12	1.0	1.8	UKF
		8	122	28.90	20	13.64	155	34.54	6.85	2.9		14	0	312	.19	88	29.7	99.0	KOH
		8	440	2.80	19	22.33	155	23.64	9.72	2.8		26	0	64	.11	7	.6	.5	UKF
		8	450	30.11	19	22.30	155	23.66	8.48	1.6		23	0	64	.11	7	.7	1.2	UKF
		8	540	46.57	19	20.19	155	7.18	7.89			20	0	100	.15	7	1.0	1.5	UFR
		8	6 9	44.11	19	22.42	155	23.58	7.90			24	0	64	.11	7	.7	1.0	UKF
		8	614	22.10	19	22.15	155	23.44	9.96			13	0	86	.06	7	.7	2.4	UKF
		8	634	5.22	19	25.10	155	25.87	7.53	2.8		26	0	109	.15	10	1.0	1.3	UKF
		8	641	29.44	19	23.25	155	14.93	2.00	1.0		10	0	113	.11	5	1.2	.0	GLN
		8	644	54.77	19	18.56	155	18.28	32.79	2.2		26	0	100	.09	8	1.2	1.9	DEP
		8	646	3.06	19	18.62	155	18.74	30.95	2.2		25	0	63	.10	9	1.2	2.3	DEP
		8	646	31.90	19	27.18	155	24.07	5.08	3.5		22	0	93	.16	11	1.0	1.3	UKF
		8	651	22.55	19	26.93	155	24.45	9.46	2.9		30	0	70	.12	10	.6	.9	UKF
		8	839	18.59	19	24.24	155	17.62	1.63	1.0		8	0	106	.05	2	.6	.5	SPC
		8	843	45.60	19	24.58	155	25.88	7.07			15	0	93	.09	11	.7	2.1	UKF
		8	1122	44.95	19	23.81	155	15.22	2.00	.9		12	0	84	.11	5	.7	.0	SPC
		8	1213	9.39	19	25.64	155	25.05	5.92	1.6		19	0	92	.10	8	.7	2.5	UKF
		8	1239	13.28	19	21.93	155	25.52	9.58	3.1		17	0	108	.08	11	.8	2.6	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	8	1339	30.13	19	23.52	155	15.17	1.57			11	0	97	.10	3	.6	.3	SPC
		8	1356	18.25	19	24.66	155	26.40	8.48			18	0	97	.10	11	.8	2.1	UKF
		8	1428	35.31	19	23.01	155	14.56	2.66	1.4		11	0	117	.04	3	.3	1.8	GLN
		8	1447	30.98	19	23.22	155	14.83	1.22	1.0		12	0	108	.07	3	.4	.3	GLN
		8	15 6	39.97	19	24.81	155	25.77	6.55			16	0	153	.09	10	1.4	3.9	UKF
		8	1630	29.84	19	25.65	155	38.69	2.20	2.6		11	0	213	.14	8	1.6	3.7	MOK
		8	18 7	29.30	19	24.52	155	24.48	9.48	1.5		21	0	77	.12	9	.7	1.1	UKF
		8	18 8	14.80	19	24.42	155	24.57	8.81	1.7		26	0	78	.11	9	.7	1.0	UKF
		8	1827	15.32	19	24.89	155	26.21	7.29	1.9		16	0	161	.09	10	.9	1.2	UKF
		8	2036	58.76	19	23.72	155	15.08	2.19	1.1		11	0	90	.08	3	.4	6.7	SPC
		8	2245	54.58	19	23.09	155	17.05	1.60	1.0		12	0	64	.05	2	.4	.2	SPC
		9	3 0	45.60	19	19.80	155	11.19	7.19			26	0	89	.11	7	.7	1.4	UER
		9	356	50.86	19	24.96	155	25.52	11.15	1.9		18	0	94	.06	10	.5	2.7	UKF
		9	558	33.60	19	25.59	155	25.17	10.64			16	0	166	.05	9	.9	3.7	UKF
		9	642	17.02	19	26.24	155	36.75	3.59	3.4		20	0	187	.11	6	1.0	1.3	MOK
		9	757	27.84	19	23.41	155	14.70	2.00	2.1		22	0	52	.12	3	.5	3.5	GLN
		9	1014	28.20	19	26.15	155	36.96	1.92	2.5		15	0	196	.11	6	1.3	99.0	MOK
		9	1024	8.22	19	23.65	155	15.22	1.30			10	0	149	.08	3	.5	.3	SPC
		9	1029	36.87	19	23.19	155	14.73	1.84	1.3		15	0	59	.09	3	.5	99.0	GLN
		9	1138	59.70	19	22.35	155	13.38	2.41			9	0	87	.05	5	.5	1.2	UER
		9	12 7	19.32	19	27.77	155	37.20	.83	2.5		10	0	218	.12	4	1.6	1.0	MOK
		9	1242	35.51	19	23.19	155	14.80	1.37	1.1		9	0	109	.06	3	.4	.3	GLN
		9	13 3	4.60	19	19.57	155	11.98	8.07	2.3		29	0	89	.12	6	.7	1.1	UER
		9	1454	11.81	19	25.21	155	25.08	9.32			15	0	93	.07	9	.6	1.9	UKF
		9	1512	8.08	19	25.10	155	24.77	8.24	1.8		25	0	62	.13	9	.7	1.3	UKF
		9	1530	57.53	19	23.92	155	22.16	8.82	1.5		14	0	93	.08	7	.7	2.1	UKF
		9	1551	30.09	19	27.67	155	37.24	1.55			13	0	217	.13	4	2.1	.7	MOK
		9	16 2	58.77	19	24.88	155	22.69	10.68	1.6		22	0	59	.04	9	.2	.3	UKF
		9	1725	14.25	19	23.85	155	26.17	9.31			13	0	87	.07	11	.8	2.1	UKF
		9	1749	42.60	19	17.34	155	14.80	8.34			20	0	133	.11	7	.8	1.3	POL
		9	18 3	27.91	19	24.60	155	24.79	8.47	1.9		29	0	81	.13	9	.7	.9	UKF
		9	1841	46.18	19	25.68	155	25.69	7.00	2.0		23	0	103	.12	9	.8	2.4	UKF
		9	1954	13.28	19	24.64	155	12.55	11.02	1.7		11	0	139	.20	6	4.2	9.3	GLN
		9	20 5	33.49	19	24.59	155	26.04	8.78	1.9		25	0	60	.13	11	.7	1.5	UKF
		9	2010	37.97	19	25.01	155	17.86	2.27	.4		11	0	80	.10	3	.9	2.3	SPC
		9	2018	16.04	19	26.36	155	37.51	2.75	2.2		14	0	208	.13	6	1.4	2.7	MOK
		9	2050	11.88	19	28.45	155	35.63	1.40	2.7		21	0	107	.15	2	.7	.4	MOK
		9	21 3	15.97	19	20.65	155	16.93	31.56	2.2		26	0	73	.09	5	1.1	1.7	DEP
		9	2144	2.08	19	23.29	155	14.70	2.00	1.5		19	0	56	.12	3	.5	27.8	GLN
		10	035	54.12	19	27.80	155	35.10	1.28	2.4		20	0	118	.11	21	1.2	.7	MOK
		10	1 0	2.82	19	23.72	155	15.11	1.21			10	0	90	.08	3	.3	.4	SPC
		10	216	27.70	19	28.11	155	37.33	2.00	2.2		10	0	228	.19	4	3.9	.0	MOK
		10	226	27.72	19	24.80	155	23.03	7.98	1.4		21	0	67	.07	9	.5	.9	UKF
		10	4 1	16.65	18	57.20	155	9.60	36.26			22	1	264	.12	41	4.0	5.0	PPL
		10	528	53.85	19	24.71	155	26.29	5.42	1.7		19	0	96	.10	11	.7	.9	UKF
		10	542	56.05	19	24.82	155	25.50	7.43	1.7		22	0	89	.10	10	.6	1.8	UKF
		10	548	10.93	19	25.01	155	26.49	6.71			14	0	168	.13	10	2.3	5.5	UKF
		10	9 9	38.43	19	21.89	155	23.98	9.28			23	0	85	.09	8	.6	.8	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	10	1021	22.08	19	25.81	155	28.57	13.03			10	0	247	.05	14	2.2	2.1	UKF
		10	1033	23.79	19	19.32	155	13.21	8.92	1.7		21	0	75	.08	7	.6	1.3	UER
		10	1047	30.39	19	24.31	155	17.58	1.55	1.3		14	0	56	.08	2	.5	.3	SPC
		10	1153	1.68	19	25.98	155	25.85	10.57	1.8		13	0	187	.04	10	1.4	5.0	UKF
		10	1214	9.00	19	23.72	155	24.09	12.72			14	0	117	.05	8	.6	.4	UKF
		10	1536	10.02	19	24.10	155	15.84	2.01			8	0	62	.06	3	.6	52.1	SPC
		10	1540	49.70	19	24.45	155	24.97	8.02	1.9		24	0	125	.13	9	1.0	1.3	UKF
		10	1356	51.52	19	23.16	155	25.76	12.72			15	0	104	.11	7	1.4	.5	UKF
		10	1427	22.02	19	25.14	155	24.99	6.45			11	0	91	.12	9	1.1	4.4	UKF
		10	1447	13.55	19	23.12	155	22.67	4.56			10	0	92	.14	9	1.3	6.8	UKF
		10	1625	30.20	19	25.09	155	35.62	.43	2.9		22	0	97	.11	25	.8	36.0	MOK
		10	1626	30.46	19	22.48	155	23.36	7.89	1.6		24	0	90	.15	7	1.0	1.3	UKF
		10	1756	1.17	19	23.16	155	14.84	1.41			10	0	110	.07	3	.4	.3	GLN
		10	1824	42.99	19	26.48	155	28.09	6.05	1.8		18	0	116	.09	13	.7	2.9	UKF
		10	1847	23.23	19	24.95	155	24.39	1.17			15	0	141	.15	9	1.1	.0	UKF
		10	1925	56.05	19	23.29	155	14.92	1.84	1.0		11	0	102	.08	3	.6	99.0	GLN
		10	1931	42.51	19	27.23	155	37.80	1.42			11	0	223	.15	5	3.0	1.4	MOK
		10	1945	55.25	19	25.64	155	24.72	7.07	1.6		18	0	68	.12	8	.8	2.4	UKF
		10	20 1	12.03	19	28.12	155	35.78	1.12	2.9		25	0	77	.14	2	.5	.4	MOK
		10	2051	24.78	19	24.53	155	25.51	10.51	2.3		25	0	63	.09	10	.5	.3	UKF
		10	2114	48.90	19	20.19	155	8.97	6.14	1.9		25	0	72	.15	9	.9	2.0	UER
		10	2317	5.27	19	24.92	155	25.77	8.38	1.9		27	0	61	.15	10	.8	1.4	UKF
		10	2349	40.79	19	24.50	155	27.29	8.19	1.8		18	0	109	.09	12	.7	1.8	UKF
		11	039	5.39	19	27.57	155	35.30	.12	3.1		26	0	64	.15	16	.9	.6	MOK
		11	143	42.34	19	24.06	155	15.16	2.12	1.6		19	0	55	.18	3	.9	4.0	SPC
		11	2 4	49.52	19	27.21	155	37.37	1.78	2.2		11	0	214	.11	5	1.8	.5	MOK
		11	210	44.38	19	23.01	155	14.25	4.61			9	0	116	.11	3	.9	3.3	GLN
		11	232	25.64	19	26.35	155	37.12	2.02	3.1		15	0	195	.08	6	.8	2.6	MOK
		11	3 1	44.66	19	23.24	155	14.83	1.32			10	0	107	.07	3	.4	.3	GLN
		11	325	40.87	19	25.37	155	24.41	7.52	1.4		21	0	88	.11	8	.6	1.3	UKF
		11	335	59.35	19	21.86	155	23.73	9.14	1.5		22	0	72	.10	8	.6	.7	SWR
		11	339	41.15	19	23.42	155	15.08	2.00	1.0		11	0	101	.12	3	.9	.0	SPC
		11	348	40.66	19	28.32	155	36.06	.48			11	0	133	.14	2	.7	.4	MOK
		11	349	52.60	19	27.89	155	35.74	7.62	2.8		16	0	204	.15	24	2.8	5.4	MOK
		11	5 7	49.68	19	23.15	155	30.14	8.60			21	0	64	.13	13	.9	2.2	MOK
		11	519	22.84	19	23.87	155	24.07	7.87			14	0	75	.13	8	1.0	3.0	UKF
		11	643	2.49	19	26.06	155	25.54	5.63			15	0	86	.12	9	.9	5.7	UKF
		11	714	1.47	19	19.55	155	10.18	8.70			15	0	106	.03	7	.5	.7	UER
		11	720	54.43	19	26.42	155	25.02	7.77	3.0		28	0	73	.12	9	.7	1.1	UKF
		11	738	37.35	19	26.52	155	24.00	7.39			15	0	146	.07	9	.6	1.6	UKF
		11	750	12.39	19	23.34	155	16.79	1.85	1.0		14	0	52	.10	2	.6	.5	SPC
		11	837	18.04	19	26.54	155	22.94	7.62	1.7		18	0	76	.07	8	.5	.9	UKF
		11	958	41.76	19	23.97	155	15.39	2.02			8	0	208	.09	3	1.5	76.4	SPC
		11	1050	31.62	19	25.62	155	25.11	8.15			19	0	97	.12	9	.8	1.1	UKF
		11	1113	42.07	19	24.07	155	15.68	1.50	.8		11	0	65	.12	3	.6	.4	SPC
		11	1356	16.56	19	23.22	155	14.69	1.91	1.7		17	0	58	.07	3	.4	26.3	GLN
		11	1753	59.67	19	23.30	155	14.86	1.68			10	0	105	.11	3	.9	.6	GLN
		11	1754	47.76	19	23.33	155	14.75	1.88			9	0	201	.09	3	1.3	.0	GLN

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	11	1756	24.59	19	23.51	155	15.16	1.09	.9		9	0	178	.09	3	.6	.5	SPC
		11	1758	56.03	19	23.22	155	14.89	1.89	1.1		15	0	83	.12	3	.6	.0	GLN
		11	1955	30.94	19	23.25	155	14.80	2.00	1.1		12	0	107	.12	3	.8	.0	GLN
		11	2151	18.17	19	23.01	155	14.81	2.00			11	0	116	.15	3	1.1	.0	GLN
		11	2159	11.82	19	27.57	155	35.87	.82	2.6		19	0	81	.16	3	1.0	1.0	MOK
		11	22 0	50.04	19	28.57	155	35.58	1.05	2.7		22	0	100	.15	3	.7	.4	MOK
		11	22 9	18.56	19	19.14	155	14.12	6.75			18	0	91	.11	7	.8	1.7	UER
		11	2241	24.66	19	23.13	155	14.54	1.97	1.3		12	0	96	.08	3	.6	.0	GLN
		11	23 4	38.70	19	19.22	155	13.84	7.65	2.1		24	0	85	.13	7	.8	1.4	UER
		11	2315	34.97	19	18.28	155	12.93	12.21			14	0	101	.15	9	2.0	.7	POL
		11	2335	3.60	19	23.38	155	15.06	2.00	1.0		12	0	102	.20	3	1.3	.0	SPC
		11	2343	2.70	19	18.56	155	16.35	6.23			12	0	165	.06	7	.7	1.4	KOA
		12	036	22.67	19	28.16	155	38.48	5.55	2.7		18	0	198	.13	6	1.7	2.4	MOK
		12	057	51.31	19	22.42	155	13.57	3.45			10	0	84	.04	6	.4	2.8	UER
		12	256	12.62	18	54.02	155	24.09	35.74			18	0	262	.08	45	3.9	5.9	DIS
		12	346	50.33	19	23.00	155	15.00	2.49			8	0	116	.09	3	.4	2.1	SPC
		12	4 1	19.17	19	21.89	155	5.46	8.18	3.6		27	1	119	.11	9	.6	.8	MER
		12	450	39.04	19	23.14	155	14.89	1.20			10	0	199	.08	3	.9	.3	GLN
		12	551	4.10	19	23.95	155	26.26	7.87	1.7		13	0	89	.08	11	.8	1.7	UKF
		12	617	56.32	19	22.14	155	13.87	2.77			7	0	287	.08	6	33.3	54.8	UER
		12	725	10.60	19	21.89	155	23.92	8.95			10	0	84	.08	8	1.0	2.4	SWR
		12	8 6	31.47	19	23.27	155	14.82	2.00	1.2		7	0	238	.06	3	1.8	.0	GLN
		12	826	17.73	19	25.92	155	25.37	10.55			11	0	175	.09	9	1.2	1.4	UKF
		12	1146	7.33	19	25.87	155	24.86	6.67	1.6		14	0	131	.09	8	.8	2.5	UKF
		12	1437	46.87	19	24.50	155	26.75	9.98	1.8		14	0	189	.06	11	.7	.9	UKF
		12	1956	45.16	19	28.41	155	35.68	1.24	2.2		11	0	135	.09	2	1.0	.3	MOK
		12	2010	.82	19	19.28	155	13.69	8.77			18	0	80	.06	7	.4	1.0	UER
		12	2329	2.30	19	19.00	155	13.03	8.18			18	0	147	.11	8	1.3	2.3	UER
		13	349	35.47	19	28.45	155	35.97	.65	2.5		21	0	84	.14	2	.7	.7	MOK
		13	4 1	16.64	19	23.85	155	49.50	10.23	2.2		16	0	117	.18	24	1.7	.7	KON
		13	419	40.77	19	26.04	155	24.70	9.42	1.6		28	0	66	.12	8	.7	1.0	UKF
		13	725	44.98	19	25.57	155	16.62	1.91	1.0		12	0	152	.08	2	.6	.2	SPC
		13	9 4	37.82	19	22.93	155	13.52	4.32			12	0	127	.14	4	1.3	3.2	UER
		13	923	9.91	19	24.36	155	15.73	1.96	.8		11	0	74	.05	2	.3	.0	SPC
		13	932	14.81	19	28.40	155	35.28	.24	2.1		19	0	80	.17	3	.6	.4	MOK
		13	1024	19.71	19	26.45	155	25.08	13.36			14	0	106	.04	9	.5	.9	UKF
		13	1047	16.25	19	23.67	155	15.40	2.00	.9		13	0	85	.13	3	.8	.0	SPC
		13	1059	3.04	19	23.19	155	14.68	1.30			10	0	109	.05	3	.3	.3	GLN
		13	1130	59.57	19	23.71	155	14.91	2.19			10	0	91	.08	3	.7	8.5	GLN
		13	1213	9.76	19	25.29	155	25.28	7.84	2.0		18	0	95	.10	9	.8	2.0	UKF
		13	1330	54.46	19	22.96	155	23.19	5.57			14	0	56	.18	8	1.2	4.0	UKF
		13	1341	20.51	19	23.73	155	15.22	2.01			9	0	122	.07	3	.6	99.0	SPC
		13	1349	45.29	19	23.41	155	14.87	1.92			10	0	101	.08	3	.7	99.0	GLN
		13	1433	57.79	19	24.19	155	15.93	1.87			8	0	107	.07	2	.9	.4	SPC
		13	15 6	5.17	19	.31	155	19.12	42.06	2.6		24	0	240	.07	33	1.8	4.4	PPL
		13	1520	37.11	19	27.80	155	37.44	2.41	2.2		14	0	225	.18	4	2.9	3.9	MOK
		13	1550	5.38	19	25.56	155	12.63	10.45	1.6		9	0	234	.18	8	8.0	19.8	GLN
		13	16 7	23.87	19	23.13	155	14.70	1.28	1.1		13	0	107	.09	3	.5	.3	GLN

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	13	1623	52.34	19	23.32	155	23.52	5.42	1.5		15	0	68	.14	9	.8	1.8	UKF
		13	1647	45.58	19	23.37	155	14.94	1.41			9	0	102	.03	3	.2	.1	GLN
		13	1739	10.77	19	24.94	155	13.39	7.78	1.9		12	0	136	.16	4	2.5	3.4	GLN
		13	1756	6.63	19	25.97	155	11.39	12.63			11	0	155	.22	8	5.7	12.9	GLN
		13	18 4	.52	19	23.72	155	15.11	1.51	1.3		12	0	90	.04	3	.2	.1	SPC
		13	18 8	12.16	19	24.91	155	13.60	8.10			9	0	134	.18	4	3.9	6.1	GLN
		13	18 9	33.20	19	24.01	155	14.94	3.62	1.0		10	0	88	.09	3	.5	1.9	GLN
		13	1933	43.89	19	22.84	155	18.57	28.95			19	0	59	.05	4	.9	1.6	DEP
		13	1957	49.11	19	24.31	155	16.12	2.00			9	0	74	.09	2	.8	14.7	SPC
		13	20 7	12.13	19	23.54	155	14.94	1.96			10	0	96	.17	3	1.3	.0	GLN
		13	2310	29.12	19	18.75	155	13.54	8.09	1.7		23	0	73	.10	7	.6	1.4	POL
		14	0 2	26.89	19	23.47	155	15.08	1.60			11	0	99	.08	3	.5	.3	SPC
		14	011	10.35	19	25.13	155	25.51	9.00	3.6		33	0	42	.14	9	.7	.9	UKF
		14	1 5	29.01	19	25.29	155	25.20	10.74	1.7		19	0	127	.12	9	.8	.8	UKF
		14	129	45.90	19	22.97	155	14.66	2.22			10	0	119	.08	3	.6	9.4	UER
		14	144	22.22	19	25.53	155	24.89	5.87	1.6		14	0	94	.10	8	.8	3.2	UKF
		14	240	56.97	19	30.07	155	39.05	.07	2.3		12	0	278	.20	24	9.3	99.0	MOK
		14	330	32.37	19	23.12	155	22.92	8.86			18	0	95	.08	8	.5	.9	UKF
		14	345	34.62	19	23.23	155	14.80	1.65	1.1		11	0	104	.08	3	.7	.3	GLN
		14	417	42.65	19	26.83	155	24.77	6.95	2.1		25	0	70	.11	9	.6	1.5	UKF
		14	435	26.45	19	29.42	155	36.76	2.22	2.2		10	0	267	.11	24	5.2	7.0	MOK
		14	448	19.87	19	20.33	155	12.15	9.26	2.2		26	0	74	.09	7	.5	.9	UER
		14	652	24.22	19	26.12	155	36.17	3.36	3.7		28	0	49	.14	6	.7	1.3	MOK
		14	740	14.14	19	23.25	155	14.78	1.38			9	0	107	.05	3	.3	.3	GLN
		14	8 8	53.88	19	25.07	155	25.07	9.54	1.7		18	0	91	.06	9	.5	2.3	UKF
		14	813	17.57	19	23.33	155	14.89	1.33			9	0	104	.04	3	.2	.2	GLN
		14	854	48.02	19	23.21	155	14.87	1.39	1.0		11	0	105	.11	3	.6	.4	GLN
		14	923	35.92	19	22.49	155	24.26	9.18			19	0	97	.08	8	.7	1.5	UKF
		14	936	36.24	19	23.17	155	14.77	1.49			10	0	110	.09	3	.7	.5	GLN
		14	1112	53.89	19	23.29	155	14.63	2.00			9	0	105	.10	3	.8	.0	GLN
		14	1113	41.87	19	24.41	155	25.11	8.23			14	0	137	.08	10	.8	2.0	UKF
		14	1141	9.99	19	23.30	155	14.86	1.32	1.0		9	0	105	.04	3	.2	.2	GLN
		14	1146	55.41	19	23.25	155	14.79	1.69	1.5		12	0	103	.03	3	.2	.1	GLN
		14	12 0	32.03	19	27.49	155	22.57	7.50	1.6		18	0	116	.11	9	.8	2.0	UKF
		14	1321	42.98	19	23.29	155	22.79	1.57			19	0	95	.19	9	1.1	99.0	UKF
		14	1349	39.29	19	23.20	155	14.67	2.00			10	0	108	.10	3	.8	.0	GLN
		14	1449	13.66	19	25.40	155	26.42	9.09	2.5		21	0	156	.11	11	.9	1.4	UKF
		14	1451	11.61	19	18.81	155	13.29	10.29	2.2		22	0	79	.09	8	.7	.4	POL
		14	1541	40.32	19	26.93	155	22.81	8.28	2.5		13	0	75	.06	8	.5	1.3	UKF
		14	1653	53.67	19	29.15	155	40.06	.58	2.3		5	0	328	.35	9	99.0	99.0	MOK
		14	1728	29.22	19	25.23	155	24.97	7.07	1.6		15	0	146	.09	9	.8	2.9	UKF
		14	18 9	21.08	19	20.84	155	27.98	9.78	2.4		25	0	57	.14	8	1.2	.4	HEA
		14	1847	48.35	19	24.89	155	25.68	10.24	1.7		19	0	94	.11	10	.9	4.0	UKF
		14	1913	17.83	19	19.87	155	12.64	5.94			17	0	156	.12	7	1.1	2.2	UER
		14	1936	53.04	19	26.84	155	36.07	.99	2.2		15	0	159	.27	5	2.4	1.9	MOK
		14	1937	58.32	19	26.62	155	25.62	10.82	1.8		16	0	172	.06	9	.7	.4	UKF
		14	1959	54.42	19	28.75	155	22.16	10.06	2.1		20	0	131	.08	10	.8	2.4	UKF
		14	2116	54.06	19	24.33	155	29.66	8.81	1.9		24	0	56	.12	13	.8	1.3	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	14	2250	29.09	19	24.09	155	15.94	.97	.7		10	0	110	.15	2	.7	.9	SPC
		15	155	19.40	19	23.30	155	14.95	1.37	1.0		13	0	105	.10	3	.5	.4	GLN
		15	2 9	20.93	19	28.47	155	35.76	1.52	2.6		13	0	143	.11	2	.9	.4	MOK
		15	329	4.59	19	24.04	155	24.13	8.47	1.9		23	0	76	.09	8	.6	.8	UKF
		15	344	14.01	19	25.90	155	24.68	8.57	1.6		18	0	95	.07	8	.6	1.7	UKF
		15	412	9.75	19	26.01	155	25.01	7.29	2.7		25	0	71	.11	8	.6	1.4	UKF
		15	522	32.23	19	24.46	155	26.27	8.89			21	0	63	.10	11	.6	1.8	UKF
		15	552	21.75	19	26.24	155	25.40	8.22	1.7		23	0	72	.10	9	.6	1.2	UKF
		15	6 7	32.25	19	24.63	155	25.31	8.65	1.7		13	0	89	.06	10	.7	2.1	UKF
		15	630	8.71	19	24.11	155	25.87	10.14	3.1		26	0	61	.14	11	.9	.4	UKF
		15	653	32.92	19	27.78	155	27.93	5.40			15	0	152	.10	13	.9	1.2	UKF
		15	748	56.00	19	24.96	155	36.57	1.23	2.8		13	0	101	.17	8	1.4	77.2	MOK
		15	8 7	8.38	19	27.85	155	35.84	.70	3.0		20	0	58	.15	3	.6	.6	MOK
		15	927	5.16	19	17.59	155	14.32	7.70			19	0	138	.07	8	.6	1.1	POL
		15	1053	47.76	19	28.51	155	36.06	2.10	4.7		32	0	60	.19	2	.9	2.3	MOK
		15	14 9	38.96	19	24.22	155	25.96	6.41	2.4		19	0	90	.09	11	.7	1.8	UKF
		15	1549	5.89	19	26.56	155	24.13	7.86	1.7		10	0	95	.09	9	1.0	2.6	UKF
		15	1745	23.56	19	23.33	155	24.28	8.23	1.8		23	0	73	.08	8	.5	.9	UKF
		15	1823	4.15	19	24.82	155	25.56	9.24	1.9		25	0	89	.10	10	.6	1.0	UKF
		15	1848	29.01	19	24.66	155	24.95	7.41	2.1		24	0	87	.10	9	.6	1.0	UKF
		15	2026	21.84	19	20.29	155	19.20	1.84	1.3		14	0	74	.06	6	.4	99.0	SWR
		15	2047	44.79	19	24.18	155	15.99	1.70	.7		10	0	64	.08	2	.6	.3	SPC
		15	2317	29.59	19	24.39	155	25.90	9.15	4.8		32	0	38	.11	11	.6	.7	UKF
		15	2328	14.04	19	23.46	155	26.94	6.99	2.4		18	0	87	.11	13	.8	1.9	UKF
		15	2330	35.88	19	24.17	155	26.24	8.33	3.1		23	0	98	.11	12	.8	1.0	UKF
		15	2334	27.17	19	23.90	155	26.84	9.44	1.7		21	0	99	.09	13	.8	1.8	UKF
		15	2337	4.37	19	25.18	155	25.26	11.00	1.7		16	0	193	.08	10	1.1	5.2	UKF
		15	2337	47.44	19	24.08	155	27.07	5.69	2.3		15	0	102	.11	12	.8	2.1	UKF
		15	2341	45.66	19	24.14	155	27.04	8.19	2.5		17	0	103	.10	12	.9	1.9	UKF
		15	2344	14.67	19	23.73	155	26.84	5.99	1.6		21	0	89	.10	13	.7	1.8	UKF
		15	2344	36.55	19	25.21	155	26.09	11.82	2.2		9	0	238	.06	17	2.1	.8	UKF
		15	2350	53.64	19	25.68	155	24.67	11.83	1.7		19	0	93	.05	9	.5	.3	UKF
		15	2353	31.55	19	23.83	155	26.28	8.65	1.7		23	0	88	.11	12	.8	1.3	UKF
		15	2359	16.31	19	24.33	155	25.46	7.74	1.8		21	0	121	.11	10	.7	1.4	UKF
		16	0 0	1.28	19	24.22	155	26.92	8.69	1.8		23	0	83	.13	12	1.0	2.0	UKF
		16	0 7	47.14	19	24.32	155	25.77	7.88			24	0	62	.10	11	.6	1.2	UKF
		16	012	28.31	19	25.59	155	25.54	8.00	2.1		17	0	137	.12	9	1.0	1.3	UKF
		16	018	27.94	19	24.39	155	25.82	8.22	1.7		25	0	90	.10	11	.6	1.1	UKF
		16	035	44.51	19	24.60	155	26.63	8.10	2.1		20	0	97	.11	11	1.0	2.4	UKF
		16	041	7.44	19	24.44	155	26.55	9.12	2.6		32	0	59	.14	11	.7	1.0	UKF
		16	058	50.70	19	24.55	155	25.75	7.48	2.0		25	0	92	.12	10	.7	1.3	UKF
		16	1 0	13.13	19	24.74	155	25.62	5.99	2.4		26	0	92	.15	10	.9	2.1	UKF
		16	1 3	41.73	19	25.24	155	24.39	7.18	1.9		19	0	86	.11	9	.5	2.1	UKF
		16	111	41.55	19	24.86	155	25.10	8.49	1.7		20	0	96	.10	9	.7	1.9	UKF
		16	122	43.65	19	25.60	155	24.23	6.08	1.9		24	0	68	.13	8	.7	1.9	UKF
		16	123	27.92	19	24.64	155	25.71	7.53	2.1		24	0	92	.10	10	.6	1.1	UKF
		16	216	29.87	19	23.92	155	26.49	5.41	1.9		20	0	90	.13	12	.9	1.0	UKF
		16	223	22.71	19	25.03	155	24.72	7.94	2.1		25	0	61	.11	9	.6	1.3	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	16	254	8.24	19	24.78	155	25.98	11.15	2.5		26	0	61	.09	10	.6	.3	UKF
		16	3 1	30.95	19	24.23	155	25.55	12.13	1.6		19	0	87	.09	10	.7	.4	UKF
		16	4 5	47.17	19	23.83	155	25.34	8.03	1.7		19	0	83	.07	10	.5	1.2	UKF
		16	428	21.37	19	24.14	155	26.78	7.56	2.0		25	0	61	.11	12	.6	1.2	UKF
		16	6 0	29.28	19	22.44	155	23.98	8.75	1.9		24	0	54	.08	8	.5	.9	UKF
		16	618	56.24	19	25.25	155	25.34	9.71	1.7		21	0	67	.07	9	.4	2.5	UKF
		16	628	21.18	19	24.05	155	27.06	8.39	1.8		21	0	93	.13	12	1.0	2.4	UKF
		16	659	19.39	19	23.35	155	24.38	8.20	2.0		26	0	71	.14	8	.8	1.0	UKF
		16	7 6	55.08	19	25.48	155	24.54	11.05	1.7		13	0	90	.13	9	1.4	6.8	UKF
		16	718	33.49	19	25.13	155	24.98	11.91	1.7		19	0	91	.06	9	.5	.3	UKF
		16	839	25.11	19	24.04	155	26.71	11.77			13	0	150	.06	12	.8	.5	UKF
		16	9 0	55.13	19	24.41	155	25.71	9.42	3.8		29	0	86	.14	11	.8	.9	UKF
		16	953	31.76	19	24.53	155	25.85	9.52	1.5		21	0	92	.07	11	.6	2.4	UKF
		16	1010	5.57	19	25.64	155	25.87	9.02	1.7		21	0	78	.07	10	.4	1.3	UKF
		16	1021	42.00	19	25.70	155	24.65	10.31	1.8		20	0	93	.07	8	.5	2.1	UKF
		16	1029	21.59	19	25.37	155	25.57	6.35	2.0		18	0	98	.06	9	.5	1.8	UKF
		16	1056	40.52	19	23.90	155	24.94	9.93	1.8		21	0	78	.11	9	.6	2.5	UKF
		16	12 3	52.08	19	24.47	155	24.96	9.60	2.5		25	0	85	.11	9	.5	.6	UKF
		16	1219	21.30	19	24.68	155	24.81	1.59	1.5		15	0	145	.12	9	1.0	99.0	UKF
		16	1228	34.65	19	24.00	155	26.47	5.90	1.9		18	0	90	.10	12	.7	2.0	UKF
		16	1241	35.57	19	25.51	155	25.76	1.17	1.8		21	0	79	.13	11	.8	90.6	UKF
		16	13 8	26.18	19	25.85	155	24.17	8.60	1.8		22	0	89	.11	9	.7	1.9	UKF
		16	14 1	56.90	19	23.09	155	24.61	11.78	1.2		19	0	79	.07	9	.5	1.0	UKF
		16	1417	42.59	19	24.37	155	25.97	10.02	1.7		21	0	91	.07	11	.4	2.1	UKF
		16	1439	26.57	19	25.36	155	24.77	11.67	1.7		17	0	91	.08	9	.7	.5	UKF
		16	16 3	23.96	19	25.47	155	36.43	3.67	3.2		24	0	95	.13	7	.7	1.4	MOK
		16	1818	12.09	19	24.02	155	15.87	2.20	1.8		21	0	55	.13	3	.5	2.0	SPC
		16	1935	23.78	19	25.11	155	25.62	12.39	1.8		19	0	96	.13	10	1.2	.6	UKF
		16	1942	28.21	19	24.82	155	26.08	9.56	2.3		19	0	96	.10	11	.8	4.9	UKF
		16	1953	23.73	19	25.80	155	17.16	16.51	1.7		26	0	77	.14	4	1.0	1.5	DEP
		16	20 2	53.04	19	24.05	155	25.24	8.59	2.0		25	0	84	.13	10	.8	1.1	UKF
		16	2115	.11	19	25.30	155	26.60	8.12	1.7		20	0	105	.09	11	.6	1.8	UKF
		16	2116	47.86	19	18.04	155	13.25	9.30	1.8		21	0	94	.11	8	.9	1.8	POL
		16	2133	21.86	19	24.68	155	27.13	10.04	2.2		20	0	100	.12	12	.8	.7	UKF
		16	22 4	6.07	19	22.74	155	27.87	5.15	2.9		24	0	83	.14	12	.7	1.0	UKF
		16	2236	.95	19	24.11	155	26.80	7.45	1.8		20	0	93	.11	12	.8	2.1	UKF
		16	2241	4.21	19	25.28	155	25.01	9.53	1.7		19	0	93	.07	9	.5	2.6	UKF
		16	2254	50.69	19	25.28	155	24.95	9.28	1.7		20	0	92	.07	9	.6	1.4	UKF
		16	2319	35.39	19	27.50	155	24.37	9.69	2.3		22	0	94	.12	11	.9	1.5	UKF
		16	2328	4.84	19	24.81	155	25.17	7.65	1.6		19	0	90	.12	9	.9	2.5	UKF
		17	052	59.70	19	23.09	155	17.24	1.46	.8		13	0	64	.11	3	.7	.4	SPC
		17	119	46.85	19	22.76	155	24.12	11.91	2.2		20	0	69	.10	11	.6	.6	UKF
		17	321	10.72	19	22.39	155	23.84	9.38	1.7		20	0	65	.10	8	.7	1.7	UKF
		17	333	24.82	19	24.47	155	27.78	11.46	1.6		16	0	223	.08	13	1.2	.7	UKF
		17	425	47.11	19	25.93	155	25.96	11.33	1.6		18	0	108	.06	10	.5	2.6	UKF
		17	6 4	18.34	19	23.12	155	27.79	5.55	3.2		26	0	56	.16	13	.8	2.0	UKF
		17	616	41.69	19	25.41	155	26.48	9.29	1.9		18	0	171	.08	11	.9	1.8	UKF
		17	627	20.01	19	22.91	155	27.57	4.67	2.7		23	0	84	.15	12	1.0	1.5	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	17	637	3.16	19	22.47	155	23.85	8.23	1.9		22	0	66	.11	8	.7	1.1	UKF
		17	637	29.17	19	22.21	155	24.01	9.23	2.7		21	0	107	.11	12	.9	.7	UKF
		17	942	8.99	19	17.02	155	14.74	9.87	2.4		27	0	143	.11	7	.7	.5	POL
		17	10 0	9.30	19	25.02	155	17.10	1.56	1.2		15	0	121	.14	2	.7	.4	SPC
		17	10 1	46.33	19	24.42	155	26.23	8.91	1.7		21	0	93	.12	11	.9	1.4	UKF
		17	1038	10.68	19	16.77	155	14.79	8.81	1.7		20	0	155	.12	8	1.0	1.5	POL
		17	1039	4.56	19	25.65	155	24.68	9.03	1.8		17	0	156	.09	8	.9	1.4	UKF
		17	1216	37.75	19	23.11	155	22.99	8.08	1.3		17	0	95	.14	8	1.1	2.5	UKF
		17	1217	36.38	19	23.26	155	29.50	8.39	2.1		13	0	200	.07	16	1.2	1.6	UKF
		17	1226	28.38	19	15.09	155	13.43	9.22	1.9		17	0	181	.15	11	1.9	1.5	POL
		17	1255	20.76	19	23.98	155	26.40	8.58	2.4		26	0	90	.12	12	.7	1.1	UKF
		17	1349	39.22	19	24.53	155	17.67	2.00	.9		12	0	117	.13	2	1.0	.0	SPC
		17	1438	46.69	19	25.74	155	23.49	9.38	2.2		25	0	80	.15	8	.9	1.1	UKF
		17	1519	31.86	19	24.11	155	15.98	1.65	1.7		19	0	61	.10	2	.4	.2	SPC
		17	16 8	35.61	19	25.63	155	24.19	7.50	1.7		19	0	141	.08	8	.6	1.3	UKF
		17	1615	1.54	19	22.08	155	24.16	9.21	2.4		27	0	52	.15	8	.7	.8	UKF
		17	1632	56.58	19	24.74	155	25.70	11.10	1.6		21	0	93	.09	10	.5	.6	UKF
		17	1710	34.08	19	23.35	155	24.35	8.27	2.1		23	0	73	.11	8	.7	1.3	UKF
		17	1818	45.45	19	24.81	155	26.11	9.14	1.7		22	0	96	.09	10	.7	1.6	UKF
		17	1923	24.01	19	25.17	155	25.49	11.34			16	0	81	.05	10	.5	.8	UKF
		17	20 5	37.64	19	23.67	155	25.67	8.63	1.9		20	0	127	.09	10	.7	1.0	UKF
		17	2128	54.64	19	25.89	155	24.31	10.77	1.7		21	0	91	.09	9	.6	.5	UKF
		17	2155	16.69	19	23.08	155	14.53	2.00			10	0	114	.10	3	.9	.0	GLN
		17	2250	44.63	19	24.53	155	17.81	13.73	2.1		11	0	128	.29	2	6.9	10.5	DEP
		17	2256	48.10	19	24.12	155	15.89	1.00	.7		11	0	61	.10	2	.4	.5	SPC
		18	011	48.69	19	25.91	155	25.08	7.28	2.2		21	0	100	.11	8	.8	2.3	UKF
		18	019	31.66	19	22.36	155	23.61	9.59	1.8		21	0	64	.12	7	.9	3.3	UKF
		18	041	35.31	19	24.66	155	26.10	10.92	1.8		18	0	95	.08	11	.7	3.1	UKF
		18	150	57.86	19	22.31	155	24.23	9.08	1.7		20	0	93	.08	8	.6	.8	UKF
		18	152	20.34	19	24.17	155	15.98	2.28	.8		9	0	65	.04	2	.4	1.3	SPC
		18	3 5	26.91	19	19.90	155	8.68	7.28	1.8		22	0	141	.12	9	1.3	1.9	UFR
		18	311	16.14	19	24.15	155	26.55	5.40	2.5		24	0	92	.13	12	.8	1.0	UKF
		18	526	.94	19	22.94	155	24.39	8.29	1.6		21	0	107	.09	8	.7	1.0	UKF
		18	553	30.10	19	23.25	155	14.91	1.94	1.0		9	0	107	.07	3	.5	.0	GLN
		18	736	8.98	19	24.19	155	15.98	1.57	1.1		13	0	63	.15	2	.6	.5	SPC
		18	753	35.08	19	22.21	155	23.91	8.80	1.9		21	0	65	.12	8	.9	1.6	UKF
		18	8 9	38.30	19	24.63	155	25.77	9.75	1.7		23	0	92	.14	10	1.0	.8	UKF
		18	851	22.06	19	23.28	155	14.85	1.57	1.3		14	0	102	.09	3	.5	.4	GLN
		18	9 7	8.74	19	25.39	155	25.01	9.83	1.8		17	0	94	.08	9	.7	3.1	UKF
		18	1022	34.66	19	24.16	155	15.01	.36	2.5		19	0	61	.12	3	.5	.5	SPC
		18	1025	25.21	19	23.54	155	15.21	.96	.9		10	0	104	.14	3	.8	1.1	SPC
		18	1056	59.27	19	23.13	155	14.69	2.01	1.1		9	0	112	.07	3	.5	99.0	GLN
		18	1246	29.94	19	24.85	155	25.56	12.08	2.3		17	0	93	.12	10	1.2	.6	UKF
		18	1329	41.26	19	21.51	155	25.79	10.27	1.8		19	0	119	.10	11	.9	.5	HEA
		18	1652	52.16	19	24.60	155	25.42	7.49	1.3		17	0	144	.13	10	1.2	2.2	UKF
		18	1845	11.12	19	24.71	155	16.75	13.18	2.6		21	0	101	.05	2	.4	.3	DEP
		18	2025	3.44	19	25.83	155	28.71	8.18	2.0		26	0	121	.16	12	1.1	2.1	UKF
		18	2210	6.47	19	18.55	155	12.79	6.55	1.7		25	0	133	.13	9	.8	2.0	POL

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	18	2230	52.64	19	25.22	155	16.39	15.54	3.1		34	1	38	.10	2	.6	.8	DEP
		18	2311	39.75	19	24.15	155	26.89	8.94	1.8		22	0	71	.11	12	.7	2.0	UKF
		18	2327	58.17	19	23.76	155	23.64	9.46	1.9		26	0	68	.14	7	.8	1.2	UKF
		18	2359	11.78	19	23.06	155	17.09	1.71	1.1		10	0	99	.07	2	.6	.3	SPC
		19	035	3.41	19	24.86	155	25.51	7.89	1.6		24	0	93	.10	10	.7	1.2	UKF
		19	133	33.95	19	25.92	155	24.91	7.88	2.1		19	0	98	.09	8	.8	2.0	UKF
		19	237	34.41	19	24.00	155	15.51	1.39	.8		11	0	72	.07	3	.3	.2	SPC
		19	256	11.49	19	24.14	155	15.81	1.61	1.3		15	0	62	.08	3	.4	.2	SPC
		19	342	38.05	19	24.24	155	26.76	5.95	2.0		22	0	94	.13	12	.9	2.5	UKF
		19	5 6	10.13	19	25.56	155	16.76	2.19	.9		12	1	131	.07	2	.6	2.0	SPC
		19	534	13.91	19	23.00	155	17.04	1.63	.8		14	0	68	.08	2	.5	.2	SPC
		19	554	59.89	19	23.37	155	14.92	1.47	1.0		10	0	102	.07	3	.5	.3	GLN
		19	555	37.53	19	24.31	155	16.19	1.76	.6		10	0	73	.08	2	.6	.3	SPC
		19	654	12.23	19	23.04	155	16.79	1.69	.9		12	0	64	.15	2	1.0	.5	SPC
		19	830	11.34	19	20.68	155	11.96	8.67	2.0		23	0	116	.12	8	1.0	1.6	UER
		19	9 8	10.19	19	24.20	155	26.87	5.71	2.2		21	0	63	.13	12	.8	2.5	UKF
		19	11 1	54.89	19	18.32	155	13.15	9.45	1.8		18	0	165	.08	9	.8	.7	POL
		19	1147	43.69	19	22.35	155	24.01	9.08			18	0	82	.09	8	.8	1.2	UKF
		19	1257	58.42	19	24.16	155	15.93	1.48	1.0		12	0	61	.09	2	.4	.3	SPC
		19	1458	37.36	19	25.14	155	25.47	7.52	2.1		22	0	66	.12	10	.7	1.4	UKF
		19	1511	1.35	19	25.40	155	25.33	9.38	1.7		15	0	97	.06	9	.6	1.7	UKF
		19	1533	4.91	19	23.38	155	17.18	1.84	.8		8	0	94	.06	4	.6	.3	SPC
		19	1630	.48	19	25.77	155	16.96	1.90	.6		10	1	166	.09	2	1.2	.3	SPC
		19	1659	26.64	19	24.28	155	12.23	9.98	1.6		10	0	153	.14	6	2.6	5.8	GLN
		19	1732	30.80	19	24.85	155	26.00	8.61	1.5		18	0	96	.08	10	.6	1.8	UKF
		19	1952	24.85	19	24.30	155	16.35	1.69	.6		9	0	75	.05	2	.4	.2	SPC
		19	1956	6.30	19	25.81	155	25.77	10.76	2.1		20	0	70	.12	9	.8	.8	UKF
		19	20 9	12.09	19	23.34	155	17.32	1.48	1.3		14	0	81	.11	4	.6	.4	SPC
		19	2031	41.02	19	22.90	155	27.36	8.88	1.8		24	0	64	.15	13	.9	1.4	UKF
		19	2254	1.13	19	22.74	155	28.43	4.84	1.8		12	0	168	.11	12	1.3	1.8	UKF
		19	2316	35.02	19	25.73	155	16.80	1.73	.3		9	0	159	.10	2	1.0	.4	SPC
		19	2338	5.71	19	24.65	155	16.13	4.45	.9		8	0	88	.13	3	1.1	3.3	SPC
		19	2347	25.41	19	24.11	155	15.78	1.48	1.1		12	0	81	.10	3	.5	.3	SPC
		20	2 8	14.73	19	23.71	155	17.26	1.53	.9		12	0	57	.08	3	.5	.3	SPC
		20	250	41.27	19	25.85	155	37.46	1.31	2.2		15	0	204	.11	7	1.4	.9	MOK
		20	257	56.38	19	21.92	155	23.80	11.23	1.7		17	0	52	.12	8	.9	1.7	SWR
		20	313	3.45	19	28.45	155	35.67	1.74	2.7		17	0	134	.11	2	.9	.3	MOK
		20	317	14.58	19	29.59	155	39.94	7.17	2.6		25	1	78	.10	9	.8	.9	MOK
		20	334	47.84	19	30.49	155	40.15	7.60	2.0		19	0	131	.17	10	1.7	2.3	MOK
		20	413	22.47	19	27.47	155	37.54	2.89	2.0		13	0	208	.10	5	1.4	1.2	MOK
		20	445	15.90	19	23.91	155	27.14	8.37	1.8		18	0	92	.12	13	.9	2.1	UKF
		20	633	18.84	19	23.53	155	15.08	2.00	1.0		9	0	97	.10	4	.8	.0	SPC
		20	651	22.17	19	24.34	155	26.53	10.33	2.2		17	0	83	.13	12	1.1	.5	UKF
		20	10 2	14.38	19	23.64	155	25.20	7.82	2.6		23	0	62	.19	11	.9	1.2	UKF
		20	10 5	7.70	19	23.14	155	25.46	6.25	1.0		11	1	124	.10	10	1.8	3.6	UKF
		20	1013	1.27	19	23.92	155	25.99	7.73			18	0	82	.14	11	1.0	2.5	UKF
		20	1014	57.14	19	23.43	155	25.51	10.03			19	0	85	.09	10	.6	.6	UKF
		20	11 8	49.19	19	24.28	155	16.24	1.81			11	0	72	.06	2	.4	.2	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	20	1139	52.26	19	30.27	155	15.68	18.58			10	0	250	.22	10	14.5	16.1	GLN
		20	1150	41.62	19	23.12	155	17.22	1.72	1.4		10	0	168	.05	5	.7	.2	SPC
		20	1213	10.99	19	22.56	155	28.70	9.49	1.9		16	0	87	.13	12	1.0	2.7	UKF
		20	1241	21.88	19	22.48	155	48.62	10.33	2.8		24	0	110	.19	23	1.5	.7	KON
		20	1422	6.20	19	22.36	155	17.36	1.30	1.0		12	0	93	.08	3	.5	.5	KOA
		20	1424	43.20	19	23.33	155	14.50	2.11	1.8		18	0	53	.12	3	.7	5.6	GLN
		20	1425	36.83	19	23.33	155	14.79	2.00	1.1		12	0	100	.14	3	.9	.0	GLN
		20	1438	42.02	19	23.14	155	14.83	1.90	1.4		14	0	107	.07	5	.5	99.0	GLN
		20	1442	7.79	19	24.99	155	25.53	6.41	1.6		18	0	94	.08	10	.6	1.8	UKF
		20	1448	56.66	19	26.34	155	25.48	8.72	1.7		18	0	167	.07	9	.7	1.8	UKF
		20	1531	50.96	19	21.65	155	18.19	2.93			13	0	83	.17	4	.9	6.9	KOA
		20	1622	51.56	19	25.46	155	24.85	9.40	1.7		22	0	93	.12	8	.9	1.1	UKF
		20	1647	2.92	19	20.89	155	9.94	12.31			16	0	92	.16	7	1.9	.7	UER
		20	1730	25.23	19	21.94	155	18.19	2.00	1.2		14	0	76	.09	4	.5	.0	KOA
		20	1915	7.44	19	29.11	155	12.20	13.94	1.8		13	0	208	.26	11	7.0	6.3	GLN
		20	1939	58.82	19	24.15	155	15.98	1.75	1.7		20	1	63	.12	2	.4	.3	SPC
		20	2042	58.09	19	24.48	155	17.29	13.83			20	0	54	.06	2	.5	.6	DEP
		20	21 9	50.31	19	23.90	155	14.95	3.72			9	0	89	.09	3	.3	1.2	GLN
		20	2112	46.00	19	20.96	155	25.61	56.21	2.6		13	0	78	.33	12	12.1	40.8	HEA
		20	2230	21.14	19	23.72	155	17.00	1.49	.6		11	0	72	.09	2	.6	.3	SPC
		21	115	34.01	19	23.56	155	25.85	7.32	1.7		25	0	58	.14	11	.7	1.8	UKF
		21	154	16.97	19	39.76	155	57.34	20.05			18	0	292	.09	44	10.4	8.4	KON
		21	217	25.98	19	21.82	155	23.85	10.44	1.7		20	0	79	.08	8	.6	.5	SWR
		21	249	4.88	19	28.65	155	42.97	7.09	2.8		26	0	114	.17	14	1.2	1.9	MOK
		21	321	5.27	19	22.44	155	14.23	2.22			13	0	83	.07	4	.4	5.4	UER
		21	422	45.15	19	21.98	155	25.06	9.36	1.7		24	0	55	.11	10	.6	1.1	HEA
		21	459	12.47	19	20.47	155	10.65	10.30			16	0	77	.06	7	.5	1.9	UER
		21	5 1	28.02	19	24.12	155	27.43	5.56	1.8		21	0	74	.12	13	.7	2.3	UKF
		21	640	21.66	19	25.44	155	23.19	6.85	1.8		22	0	65	.12	8	.7	1.6	UKF
		21	818	4.02	19	23.68	155	26.90	10.07	4.1		29	0	64	.14	13	.8	.5	UKF
		21	830	27.10	19	21.03	155	7.39	7.06			19	0	84	.14	8	1.0	2.0	UER
		21	835	46.60	19	23.49	155	27.24	8.30	2.1		24	0	66	.12	13	.7	1.9	UKF
		21	852	24.28	19	24.07	155	15.88	1.60	1.1		16	0	60	.08	2	.3	.2	SPC
		21	10 9	23.44	19	22.92	155	24.19	10.23	1.7		21	0	90	.13	8	.9	1.0	UKF
		21	1021	7.27	19	23.60	155	26.10	10.69	2.8		25	0	124	.11	11	.3	.4	UKF
		21	1045	18.73	19	25.45	155	24.82	8.28	2.0		20	0	103	.09	8	.6	1.1	UKF
		21	11 0	27.45	19	23.61	155	27.00	6.48			17	0	162	.13	13	1.3	2.5	UKF
		21	1240	14.69	19	22.55	155	23.81	9.67	2.0		25	0	52	.16	8	.9	.6	UKF
		21	1256	20.80	19	23.68	155	28.29	8.35	2.0		19	0	210	.14	14	2.3	3.1	UKF
		21	13 3	25.97	19	24.45	155	25.08	9.88			17	0	123	.06	10	.6	2.9	UKF
		21	13 4	45.39	19	24.33	155	27.09	9.87	1.8		21	0	154	.10	12	.7	.7	UKF
		21	1610	49.92	19	26.94	155	36.84	5.18	3.0		20	0	198	.14	24	.9	1.3	MOK
		21	1719	43.92	19	22.49	155	24.73	10.25			17	0	84	.08	9	.6	.4	UKF
		21	20 3	55.36	19	25.24	155	25.21	10.42	1.7		20	0	127	.06	9	.5	.3	UKF
		21	21 6	14.07	19	25.54	155	37.28	.76	2.4		15	0	199	.10	26	1.3	99.0	MOK
		21	2126	3.41	19	23.32	155	17.41	1.07	1.3		16	0	57	.14	3	.5	.5	SPC
		21	2139	54.57	19	22.08	155	23.32	7.97	1.6		17	0	84	.12	8	1.0	2.6	UKF
		21	2218	46.25	19	24.18	155	23.73	10.99			20	0	106	.06	7	.5	.3	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	22	026	53.98	19	21.73	155	18.22	1.83	1.1		15	0	75	.12	4	.7	.0	KOA
		22	037	28.97	19	22.99	155	14.24	4.29			10	0	117	.12	3	1.2	3.6	UER
		22	040	53.19	19	24.07	155	16.05	1.97			8	0	106	.08	2	.8	.4	SPC
		22	1	0 51.22	19	22.02	155	23.71	8.77	1.8		23	0	74	.14	8	.9	1.2	UKF
		22	252	59.19	19	25.19	155	16.57	13.38			19	0	122	.08	2	.7	.8	DEP
		22	410	21.43	19	25.44	155	24.71	7.27	1.6		19	0	145	.11	8	.9	2.0	UKF
		22	454	1.08	19	24.88	155	18.29	24.63			7	0	274	.07	5	21.5	96.7	DEP
		22	830	6.07	19	25.72	155	16.97	2.44	1.8		20	0	49	.08	2	.4	1.1	SPC
		22	10	9 32.11	19	26.39	155	22.68	6.61	1.4		17	0	120	.08	7	.5	1.5	UKF
		22	1031	20.63	19	23.25	155	17.14	1.55	.9		10	0	96	.07	3	.6	.2	SPC
		22	13	6 27.61	19	27.32	155	23.88	7.22	2.3		20	0	75	.11	10	.7	1.3	UKF
		22	1534	28.39	19	25.76	155	24.80	7.85	2.2		29	0	69	.14	8	.7	1.1	UKF
		22	1748	25.32	19	24.97	155	26.19	7.22	1.6		25	0	66	.16	10	.9	2.0	UKF
		22	1838	58.23	19	24.65	155	26.20	7.23	1.9		21	0	64	.15	11	.9	2.8	UKF
		22	2121	5.04	19	22.48	155	23.86	7.27	1.7		25	0	54	.19	8	1.0	2.7	UKF
		22	2218	53.59	19	19.28	155	25.64	7.27	1.7		28	0	91	.15	7	.8	1.5	HEA
		23	0	9 12.99	19	20.01	155	12.55	5.98	1.6		27	0	75	.14	6	.8	1.4	UER
		23	053	16.48	19	6.07	155	26.10	31.69	2.1		29	0	185	.12	25	1.6	3.3	LSW
		23	131	43.29	19	24.87	155	25.22	11.73	1.7		23	0	65	.10	9	.7	.4	UKF
		23	132	19.24	20	7.32	155	50.26	29.84	2.2		19	0	330	.11	92	50.7	27.2	KOH
		23	457	14.89	19	18.77	155	15.47	7.33			23	0	122	.08	6	.5	.8	KOA
		23	511	34.42	19	19.24	155	25.27	7.70	2.3		28	0	93	.16	12	.8	1.5	HEA
		23	745	53.34	19	19.14	155	25.33	9.46	3.6		33	0	93	.12	7	.6	.7	HEA
		23	841	29.11	19	25.58	155	25.18	6.96	1.6		23	0	69	.15	9	.9	2.8	UKF
		23	1016	6.16	19	26.20	155	37.01	3.60	2.4		23	0	192	.11	6	.8	1.0	MOK
		23	11	4 38.45	19	19.37	155	25.30	7.14	1.8		20	0	112	.12	13	.8	1.9	HEA
		23	1212	5.01	19	22.26	155	25.15	9.42	2.5		30	0	69	.14	10	.7	.9	UKF
		23	1323	27.23	19	25.12	155	25.34	7.92	1.7		23	0	81	.16	9	1.0	1.8	UKF
		23	1336	5.49	19	19.05	155	14.10	7.87	1.6		20	0	110	.09	7	.7	1.4	UER
		23	1642	15.54	19	19.38	155	25.29	8.41	2.7		29	0	91	.16	7	.8	1.2	HEA
		23	1647	24.33	19	22.44	155	24.08	10.62	1.6		22	0	54	.09	8	.5	.6	UKF
		23	1654	8.87	19	22.41	155	24.16	10.42	1.7		22	0	53	.11	8	.6	.8	UKF
		23	17	7 35.09	19	19.25	155	25.12	9.05	3.0		31	0	93	.13	7	.7	.9	HEA
		23	1713	56.19	19	19.11	155	25.13	8.55	1.5		20	0	95	.15	8	.9	1.4	HEA
		23	1823	2.61	19	18.99	155	15.63	7.60			19	0	116	.08	6	.5	.8	KOA
		23	1839	42.95	19	24.99	155	23.45	6.21	1.5		22	0	76	.11	9	.7	1.5	UKF
		23	2026	10.45	19	22.54	155	23.69	6.55	1.5		25	0	54	.10	12	.5	1.7	UKF
		23	2222	50.00	19	22.60	155	24.07	10.50	1.7		21	0	54	.11	8	.8	.5	UKF
		24	022	19.97	19	22.19	155	23.87	10.00	1.8		27	0	53	.10	8	.6	.4	UKF
		24	042	57.25	19	24.87	155	25.21	10.44			21	0	65	.08	9	.6	.3	UKF
		24	146	31.94	19	24.74	155	26.46	5.62	1.8		21	0	65	.14	11	.8	3.1	UKF
		24	228	45.87	19	27.21	155	24.40	6.97	2.0		26	0	76	.13	10	.7	1.2	UKF
		24	237	15.84	19	25.42	155	24.49	9.74	1.7		20	0	67	.09	8	.7	3.3	UKF
		24	3	6 17.83	19	25.64	155	25.81	8.23	2.2		24	0	69	.13	10	.8	1.9	UKF
		24	317	16.22	19	19.03	155	25.13	8.51	1.8		26	0	95	.14	8	.8	1.2	HEA
		24	356	3.45	19	20.23	155	19.94	4.92	1.8		22	0	88	.12	6	.7	1.3	SWR
		24	449	37.31	19	26.33	155	25.58	8.42	2.0		21	0	73	.09	9	.6	1.8	UKF
		24	714	52.85	19	25.48	155	23.91	11.93			15	0	138	.05	9	.6	3.1	UKF

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	24	721	3.76	19	23.19	155	27.91	6.65	1.8		21	0	87	.11	13	.9	1.7	UKF
		24	8 9	47.55	19	25.67	155	16.30	1.84	.9		13	0	165	.08	2	.7	.3	SPC
		24	1342	1.83	19	26.59	155	22.98	8.04	1.5		16	0	77	.07	8	.6	1.5	UKF
		24	14 8	13.36	19	26.14	155	27.12	15.53	1.9		15	0	217	.09	12	5.6	6.8	UKF
		24	1445	1.57	19	22.88	155	27.39	7.78	2.9		30	0	54	.13	12	.7	1.3	UKF
		24	1543	32.77	19	24.31	155	16.21	1.82	.6		10	0	73	.11	2	.8	.4	SPC
		24	1556	55.91	19	24.27	155	15.90	1.90	.7		10	0	65	.11	2	1.0	.5	SPC
		24	16 9	49.30	19	24.34	155	17.31	1.73	1.2		14	0	55	.11	2	.7	.3	SPC
		24	1639	45.20	19	25.45	155	24.95	7.63	1.8		25	0	68	.14	9	.8	1.4	UKF
		24	1826	16.28	19	23.98	155	14.79	4.92			8	0	98	.10	3	.7	2.4	GLN
		24	1831	26.79	19	24.89	155	24.91	8.74	1.4		21	0	65	.11	9	.7	1.8	UKF
		24	20 6	21.65	19	22.95	155	27.36	5.94	1.8		21	0	97	.15	12	.9	2.2	UKF
		24	20 8	20.52	19	24.31	155	16.09	1.68	.7		10	0	71	.09	2	.6	.3	SPC
		24	2122	24.54	19	23.54	155	17.01	1.57	.7		11	0	87	.09	3	.7	.3	SPC
		24	2138	48.06	19	26.27	155	23.79	10.98	1.7		21	0	70	.12	9	.9	.5	UKF
		24	22 9	40.33	19	25.61	155	16.95	2.17	.5		11	0	151	.08	2	.8	2.1	SPC
		24	2346	55.93	19	23.30	155	28.85	10.86	1.1		14	0	238	.09	15	1.3	.6	UKF
		24	2347	31.48	19	23.71	155	17.02	1.83	.7		11	0	84	.08	2	.7	.3	SPC
		25	031	7.49	19	50.28	155	29.16	2.00	2.5		9	0	195	.25	51	35.7	99.0	KKU
		25	1 2	27.02	19	19.74	155	12.99	9.18			14	0	137	.02	7	.5	.9	UER
		25	255	7.91	19	26.32	155	27.79	9.38	2.0		29	0	70	.13	13	.7	1.0	UKF
		25	350	22.02	19	25.89	155	24.30	7.54	2.3		28	0	69	.14	9	.7	1.2	UKF
		25	423	34.66	19	26.36	155	23.81	7.58	1.8		23	0	88	.11	9	.8	1.2	UKF
		25	455	45.68	19	24.93	155	25.57	6.89	1.6		23	0	94	.12	10	.8	1.6	UKF
		25	559	45.89	19	13.19	155	18.70	8.14	3.1		31	0	167	.14	13	.9	1.3	HLP
		25	7 7	22.61	19	26.43	155	28.07	8.35	1.6		27	0	77	.17	13	.9	2.1	UKF
		25	747	49.33	19	20.94	155	16.86	30.48	4.6		36	1	69	.10	5	.8	1.3	DEP
		25	8 4	1.85	19	19.52	155	17.52	30.47	1.6		26	0	91	.08	6	1.0	1.7	DEP
		25	8 4	57.20	19	17.91	155	16.09	30.66	2.9		34	0	120	.12	5	1.1	1.7	KOA
		25	1042	58.81	19	20.56	155	16.53	31.30	2.2		28	0	77	.10	5	1.2	1.8	DEP
		25	1127	20.98	19	20.89	155	17.65	30.71	2.3		29	0	34	.07	5	.9	1.3	DEP
		25	1219	44.88	19	21.34	155	17.10	32.11	3.4		32	0	52	.11	4	1.0	1.6	DEP
		25	1419	37.80	19	20.42	155	17.67	29.95	2.1		29	0	59	.10	5	1.1	1.6	DEP
		25	1512	12.54	19	25.96	155	24.98	7.73	2.2		22	0	99	.11	8	.8	2.1	UKF
		25	1558	26.44	19	20.17	155	17.72	28.79	1.6		26	0	73	.08	5	.9	1.7	DEP
		25	1637	34.33	19	26.24	155	37.55	1.98	2.4		23	0	152	.13	6	1.0	23.2	MOK
		25	1813	21.06	19	13.58	155	18.01	7.69	4.2		31	0	166	.14	12	.8	1.2	HLP
		25	1817	10.60	19	13.61	155	17.63	7.82	3.8		30	0	167	.16	12	1.0	1.5	HLP
		25	1824	14.54	19	13.50	155	18.28	7.94	4.3		31	0	166	.15	12	.9	1.2	HLP
		25	2026	1.85	19	24.34	155	16.31	2.00	.6		10	0	76	.11	2	.7	3.7	SPC
		25	2056	19.54	19	13.02	155	18.66	7.93	3.4		28	0	168	.15	13	1.0	1.4	HLP
		25	21 0	26.02	19	23.98	155	25.11	7.99	2.7		30	0	57	.14	9	.7	1.2	UKF
		25	22 9	20.14	19	24.19	155	15.82	1.81	.9		10	0	65	.06	2	.4	.2	SPC
		25	2329	22.99	19	24.11	155	15.93	1.93	.8		10	0	60	.08	2	.6	.4	SPC
		26	122	32.29	19	25.83	155	24.78	11.35	1.5		18	0	134	.08	8	.6	.6	UKF
		26	629	19.84	19	23.85	155	15.01	2.14	1.4		16	0	86	.07	3	.4	6.4	SPC
		26	718	54.96	19	25.51	155	16.90	1.43	1.9		22	0	124	.13	2	.6	.3	SPC
		26	757	19.69	19	23.36	155	15.00	2.01	1.0		12	0	100	.08	3	.5	80.4	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	26	843	22.79	19	23.39	155	15.05	1.56			11	0	102	.11	3	.7	.4	SPC
		26	942	57.05	19	20.05	155	17.85	28.26	1.8		23	0	73	.09	6	1.2	2.7	DEP
		26	1017	59.08	19	23.27	155	14.73	2.00			10	0	106	.11	3	.9	.0	GLN
		26	1056	45.41	19	24.22	155	16.14	1.72	.5		9	0	68	.09	2	.7	.3	SPC
		26	1120	17.78	19	25.31	155	24.98	8.64	1.7		20	0	67	.13	9	.7	2.2	UKF
		26	1121	20.51	19	24.26	155	16.33	1.72	1.1		12	0	71	.07	2	.4	.2	SPC
		26	1210	54.37	19	25.93	155	24.66	6.93	1.4		16	0	85	.09	8	.7	2.5	UKF
		26	1212	34.62	19	19.20	155	25.48	6.82	1.6		19	0	102	.15	7	1.0	2.4	HEA
		26	1311	1.17	19	20.08	155	10.98	9.31	1.8		21	0	84	.11	7	.9	1.2	UER
		26	15	0 6.82	19	24.37	155	17.67	1.55	1.3		17	0	57	.10	2	.5	.3	SPC
		26	1517	32.81	19	24.74	155	25.98	6.22	2.5		25	0	91	.13	10	.8	2.5	UKF
		26	1614	50.00	19	20.15	155	10.81	10.40			16	0	127	.06	7	.6	1.9	UER
		26	1648	5.97	19	23.27	155	14.54	2.00			11	0	107	.11	3	.8	.0	GLN
		26	1913	54.15	19	23.07	155	14.57	2.26	1.3		13	0	109	.11	3	.6	9.6	GLN
		26	1919	33.25	19	24.08	155	14.99	4.22			9	0	83	.10	3	.5	2.0	GLN
		26	2218	48.39	20	9.09	154	49.56	108.78	3.2		10	0	348	.25	94	76.9	70.7	DIS
		26	2322	46.12	19	23.77	155	15.17	.02	1.0		13	0	86	.14	3	.5	.3	SPC
		27	126	30.47	19	24.17	155	15.90	1.92	1.0		13	0	62	.09	2	.6	.4	SPC
		27	138	47.50	19	21.18	155	16.76	31.03	2.6		33	0	66	.09	4	.8	1.3	DEP
		27	158	20.91	19	24.22	155	15.71	2.00			9	0	115	.13	2	1.1	.0	SPC
		27	231	39.02	19	22.81	155	17.46	1.04			11	0	73	.07	3	.4	.3	KOA
		27	334	31.82	19	20.60	155	7.74	6.88	1.9		24	0	85	.12	9	.7	1.5	UER
		27	339	25.59	19	27.47	155	24.33	7.14	2.7		29	0	72	.15	11	.7	1.4	UKF
		27	528	22.76	19	23.36	155	15.07	2.00	1.0		10	0	102	.12	3	.9	.0	SPC
		27	538	21.15	19	23.20	155	14.79	1.84	1.2		13	0	105	.07	3	.5	.0	GLN
		27	630	48.84	19	23.18	155	17.16	1.51			10	0	98	.05	3	.5	.2	SPC
		27	641	11.99	19	23.93	155	15.46	1.56	.9		10	0	75	.08	3	.5	.3	SPC
		27	641	38.42	19	23.68	155	27.47	7.00	2.2		29	0	55	.15	15	.7	2.1	UKF
		27	735	43.97	19	22.55	155	24.33	9.59	1.4		22	0	54	.09	8	.5	.6	UKF
		27	737	57.73	19	20.99	155	6.10	8.46	2.1		25	0	96	.10	7	.6	1.0	UER
		27	758	2.04	19	23.00	155	5.09	11.63	2.0		17	0	136	.18	12	2.0	1.5	MER
		27	840	54.20	19	24.02	155	15.84	2.46			8	0	64	.05	3	.4	2.3	SPC
		27	10	2 20.26	19	24.77	155	22.71	15.53	1.6		9	0	208	.17	11	9.2	10.7	UKF
		27	1155	21.97	19	21.78	155	18.69	1.27	1.3		12	0	71	.10	4	.5	.5	KOA
		27	1252	23.81	19	23.15	155	14.65	2.00	1.1		11	0	106	.09	3	.6	.0	GLN
		27	1315	24.55	19	23.19	155	14.48	2.00			11	0	108	.15	3	1.2	.0	GLN
		27	1317	13.45	19	24.18	155	16.37	1.92			9	0	66	.05	2	.7	.3	SPC
		27	1422	38.28	19	22.80	155	14.55	2.89			9	0	119	.07	4	.9	2.8	UER
		27	16	9 49.36	19	24.62	155	16.13	1.28	.5		9	0	87	.08	2	.4	.4	SPC
		27	1635	38.48	19	23.20	155	14.65	2.00			10	0	108	.09	3	.7	.0	GLN
		27	1644	38.69	19	23.18	155	14.80	1.25			11	0	110	.10	3	.6	.4	GLN
		27	1659	22.60	19	21.63	155	25.96	9.43	1.6		24	0	68	.13	10	.8	1.1	HEA
		27	1713	35.16	19	28.30	155	33.76	1.00	2.1		14	0	143	.17	23	1.7	34.5	MOK
		27	1732	30.75	19	23.11	155	14.57	2.00			10	0	112	.08	3	.6	.0	GLN
		27	1852	24.92	19	25.24	155	30.48	10.25	1.7		23	0	108	.06	12	.6	.4	MOK
		27	1914	56.43	19	23.65	155	14.71	3.84			17	0	51	.17	3	1.0	2.5	GLN
		27	1936	24.68	19	24.17	155	15.94	1.47	.9		16	0	61	.09	2	.4	.3	SPC
		27	2037	6.59	19	24.46	155	17.26	1.73	1.1		15	0	54	.12	2	.7	.3	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	27	2137	21.43	19	24.71	155	25.40	9.25	1.0		22	0	71	.10	10	.6	1.7	UKF
		27	2138	57.37	19	23.96	155	15.79	1.12	.8		10	0	66	.14	3	.6	.8	SPC
		27	2143	48.70	19	23.23	155	17.20	1.49	1.2		16	0	60	.08	3	.4	.2	SPC
		27	2223	59.31	19	24.18	155	15.91	2.00			9	0	108	.09	2	.8	.0	SPC
		27	2237	29.80	19	22.93	155	17.20	2.00			10	0	104	.09	2	.7	12.8	KOA
		27	2256	32.58	19	23.81	155	16.89	1.97			9	0	80	.05	2	.5	.2	SPC
		27	23 6	57.05	19	23.15	155	14.67	2.00			10	0	111	.09	3	.7	.0	GLN
		27	2323	6.90	19	25.86	155	16.72	1.90	.3		12	0	168	.09	2	.8	.3	SPC
		27	2334	31.12	19	23.29	155	17.14	1.56			10	0	95	.05	3	.5	.2	SPC
		27	2338	50.59	19	22.59	155	23.55	8.21	1.9		28	0	52	.16	7	.8	1.2	UKF
		28	059	14.55	19	25.34	155	15.26	8.89	1.5		10	0	136	.19	3	4.2	5.3	LPC
		28	113	57.18	19	22.79	155	17.44	1.00			10	0	114	.07	3	.4	.3	KOA
		28	151	41.76	19	24.15	155	15.74	1.67	1.4		20	0	54	.09	2	.4	.2	SPC
		28	2 2	6.04	19	23.93	155	24.58	6.06	2.0		25	0	75	.15	9	.9	2.8	UKF
		28	2 5	20.84	19	23.09	155	17.20	1.45	.8		10	0	101	.08	3	.8	.3	SPC
		28	227	29.50	19	24.28	155	17.63	1.58	1.2		14	0	62	.06	2	.4	.2	SPC
		28	338	33.84	19	24.14	155	15.80	1.69	.8		10	0	64	.06	2	.4	.2	SPC
		28	520	26.37	19	20.19	155	12.49	10.11	2.4		28	0	73	.09	6	.5	.3	UER
		28	523	42.41	19	21.76	155	15.82	2.32			18	0	68	.13	4	.7	2.6	KOA
		28	558	42.06	19	24.18	155	16.07	1.34	.7		10	0	66	.09	2	.4	.5	SPC
		28	632	16.80	19	27.25	155	24.24	7.10	2.0		21	0	81	.16	10	.9	1.9	UKF
		28	642	2.06	19	22.90	155	17.19	2.00			11	0	72	.09	2	.6	54.0	KOA
		28	8 7	1.19	19	22.28	155	18.10	1.93			15	0	76	.12	4	.6	.0	KOA
		28	836	33.71	19	23.53	155	15.02	1.52			10	0	97	.08	3	.5	.3	SPC
		28	921	3.55	19	23.31	155	15.02	1.55			11	0	102	.07	3	.4	.2	SPC
		28	1024	8.97	19	23.74	155	17.07	1.73	1.7		18	0	47	.14	2	.7	.4	SPC
		28	1027	14.47	19	23.16	155	17.04	1.71	.8		13	0	61	.06	2	.4	.2	SPC
		28	1117	36.48	19	25.16	155	25.26	8.17	2.0		24	0	73	.12	9	.8	1.2	UKF
		28	1135	12.66	19	25.54	155	16.82	3.75	2.2		22	0	96	.12	2	.7	1.0	SPC
		28	1142	31.16	19	26.14	155	23.75	7.68	2.5		28	0	81	.15	8	.9	1.2	UKF
		28	1224	57.72	19	23.33	155	17.13	1.56			10	0	94	.07	3	.6	.2	SPC
		28	1512	36.23	19	31.79	155	15.74	24.36	2.7		33	0	64	.09	12	.6	1.4	NER
		28	1527	58.20	19	24.44	155	18.04	1.98	.5		11	0	72	.09	3	.6	99.0	SPC
		28	16 0	40.67	19	17.98	155	13.25	6.30			16	0	95	.06	9	.7	1.5	POL
		28	16 3	37.89	19	23.27	155	14.71	2.00			10	0	106	.06	3	.5	.0	GLN
		28	1620	58.42	19	23.23	155	14.92	2.00			11	0	108	.13	3	.9	.0	GLN
		28	17 2	38.79	19	45.19	156	1.12	6.29	3.7		28	0	227	.13	48	1.5	.9	KON
		28	1714	3.10	19	23.26	155	14.75	2.00			10	0	106	.07	3	.5	.0	GLN
		28	1742	46.32	19	22.49	155	17.35	1.40	1.4		16	0	88	.07	3	.3	.3	KOA
		28	1819	26.31	19	23.11	155	17.24	1.41	.8		15	0	64	.14	3	.8	.5	SPC
		28	1829	32.98	19	23.20	155	14.66	2.00			9	0	208	.09	4	1.6	.0	GLN
		28	1834	48.07	19	24.29	155	16.25	2.00			11	0	73	.08	2	.4	2.1	SPC
		28	1848	20.95	19	23.21	155	14.52	2.00			10	0	108	.12	3	1.0	.0	GLN
		28	1857	41.83	19	25.64	155	16.62	1.97	.1		11	0	156	.11	2	1.1	.5	SPC
		28	19 4	7.31	20	6.30	155	23.20	45.07	3.0		31	0	226	.07	41	1.1	1.8	DIS
		28	1915	25.75	19	23.11	155	14.68	2.00			10	0	113	.08	3	.6	.0	GLN
		28	1916	11.97	19	24.33	155	24.13	10.07	1.6		24	0	68	.10	8	.6	.6	UKF
		28	1916	36.98	19	23.26	155	14.81	1.46			8	0	106	.05	3	.5	.2	GLN

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	28	1924	23.58	19	20.73	155	4.02	8.85	3.9		29	0	123	.13	10	1.0	.8	MER
		28	1948	5.05	19	23.16	155	14.92	1.45			13	0	107	.10	3	.5	.3	GLN
		28	20 8	10.41	19	24.11	155	15.82	2.00	.8		10	0	63	.09	3	.6	.0	SPC
		28	2041	32.85	19	23.97	155	15.67	1.57	1.0		15	0	62	.05	3	.2	.2	SPC
		28	2042	16.63	19	24.43	155	16.02	1.67			10	0	73	.16	2	1.2	.6	SPC
		28	2050	55.75	19	23.16	155	14.77	2.00	.1		10	0	110	.13	3	1.0	.0	GLN
		28	2052	58.38	19	20.39	155	7.35	7.64	1.9		24	0	94	.13	8	.9	1.3	UER
		28	2139	59.99	19	23.73	155	25.78	8.33			23	0	67	.09	11	.5	1.4	UKF
		28	2151	32.69	19	22.34	155	17.31	2.00			11	0	95	.12	3	.9	.0	KOA
		28	2159	56.85	19	23.30	155	14.84	1.29			7	0	105	.04	3	.3	.3	GLN
		28	23 7	9.50	19	24.09	155	15.83	1.25			7	0	115	.07	3	.6	.6	SPC
		29	024	14.43	19	24.54	155	26.21	11.72	1.3		13	0	138	.05	11	.7	.4	UKF
		29	031	50.10	19	23.01	155	17.32	1.22	.8		12	0	67	.04	4	.5	.2	SPC
		29	112	18.13	19	23.80	155	24.03	11.27	1.7		12	0	197	.04	11	.8	3.1	UKF
		29	143	1.27	19	24.06	155	24.33	8.38	1.9		16	0	87	.11	11	.8	1.2	UKF
		29	312	12.17	19	21.88	155	30.05	9.69	2.4		16	0	117	.12	17	1.1	1.2	HEA
		29	348	30.27	19	24.25	155	15.63	1.71			7	0	73	.14	3	1.0	.6	SPC
		29	353	11.87	19	19.77	155	16.93	31.27	2.2		16	0	151	.05	5	1.0	1.3	DEP
		29	411	38.35	19	24.13	155	15.96	1.12			8	0	63	.12	3	.7	.9	SPC
		29	432	7.69	19	24.16	155	16.21	1.05			8	0	66	.08	3	.5	.7	SPC
		29	5 2	2.35	19	23.37	155	14.97	3.24			8	0	102	.05	3	.3	1.6	GLN
		29	514	39.64	19	23.63	155	16.97	1.63	1.3		11	0	45	.08	3	.6	.3	SPC
		29	515	13.55	19	23.47	155	14.79	2.41			8	0	98	.06	3	.4	4.6	GLN
		29	516	7.30	19	21.90	155	18.24	.35	1.6		12	0	72	.06	4	.3	1.3	KOA
		29	540	59.70	19	24.01	155	26.12	11.96			12	0	240	.05	12	1.2	.6	UKF
		29	638	6.10	19	23.47	155	17.15	1.47	.8		12	0	52	.08	3	.5	.3	SPC
		29	641	43.90	19	23.16	155	17.28	1.23	.8		8	0	101	.09	3	.9	.5	SPC
		29	659	24.93	19	18.58	155	14.71	10.52	1.2		12	0	207	.05	7	.9	3.1	POL
		29	7 8	34.51	19	24.26	155	17.70	2.10	.4		8	0	90	.03	4	.1	1.5	SPC
		29	711	24.21	19	24.89	155	24.44	11.76			12	0	205	.06	9	1.0	4.0	UKF
		29	758	16.18	18	30.76	155	22.29	11.63	3.4		14	0	327	.14	91	82.9	99.0	DIS
		29	759	43.73	19	26.49	155	26.45	11.33	2.0		12	0	248	.04	13	1.8	5.2	UKF
		29	10 3	27.30	19	23.26	155	17.17	1.49			9	0	97	.09	3	.8	.4	SPC
		29	10 9	27.32	19	24.11	155	18.08	2.07	.9		11	1	64	.05	3	.4	15.5	SPC
		29	1013	6.62	19	23.14	155	17.40	1.23			8	0	167	.07	3	.9	.5	SPC
		29	1036	57.52	19	23.71	155	24.29	9.61	3.2		32	0	38	.13	8	.7	.5	UKF
		29	1043	26.20	19	23.62	155	24.31	11.97	1.7		16	0	118	.06	8	.5	.4	UKF
		29	1120	59.82	19	23.23	155	24.11	8.81	1.9		26	0	68	.14	8	.8	1.3	UKF
		29	1126	5.28	19	21.84	155	18.17	.23	1.1		12	0	76	.14	4	.6	2.8	KOA
		29	1130	14.70	19	24.29	155	16.01	1.79	1.5		23	1	43	.11	2	.4	.2	SPC
		29	1139	35.53	19	25.86	155	37.02	4.44	3.3		25	0	140	.12	18	.9	1.2	MOK
		29	1153	48.46	19	23.69	155	24.49	11.93	1.1		12	0	122	.09	8	1.0	5.7	UKF
		29	1155	54.58	19	23.62	155	24.47	11.65			15	0	121	.05	8	.5	2.1	UKF
		29	1158	.62	19	22.84	155	24.36	9.31	.9		15	0	105	.09	8	.8	2.3	UKF
		29	12 0	20.48	19	23.68	155	24.46	12.82			10	0	122	.04	8	.6	3.1	UKF
		29	12 5	51.34	19	20.13	155	18.23	2.00			11	0	81	.14	6	.9	.0	KOA
		29	1318	11.36	19	23.64	155	24.39	8.85	2.0		24	0	72	.11	8	.7	.9	UKF
		29	1319	11.70	19	22.90	155	30.81	43.37	1.8		12	0	293	.16	18	18.9	41.5	MOK

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	29	1324	36.11	19	23.93	155	24.55	9.02	2.5		29	0	57	.15	9	.8	1.1	UKF
		29	1336	16.16	19	23.49	155	24.46	11.72	1.1		11	0	118	.08	8	.9	5.1	UKF
		29	1411	18.74	19	23.44	155	17.08	1.92	.1		8	0	143	.08	3	.9	.3	SPC
		29	1432	27.69	19	25.26	155	30.00	8.68	1.9		24	0	61	.12	13	.7	1.6	MOK
		29	1444	22.82	19	13.67	155	18.85	3.47	1.7		24	0	174	.10	12	.8	1.8	HLP
		29	1445	22.74	19	22.90	155	24.56	10.38	1.1		10	0	108	.06	9	1.1	5.1	UKF
		29	1455	5.95	19	23.27	155	24.99	13.31	1.4		11	0	121	.08	9	1.8	3.2	UKF
		29	1456	24.90	19	23.80	155	24.42	11.44	1.0		11	0	123	.05	8	.7	4.1	UKF
		29	1528	51.13	19	21.64	155	4.45	1.94	1.0		19	0	133	.17	10	1.2	30.0	MER
		29	1544	45.42	19	23.96	155	17.28	.58	2.0		19	0	55	.20	2	.6	.4	SPC
		29	1547	5.23	19	22.41	155	17.24	1.57	1.0		11	0	93	.15	3	1.2	.7	KOA
		29	1553	15.44	19	23.35	155	14.84	1.34	.2		9	0	103	.05	3	.3	.3	GLN
		29	1616	54.44	19	17.20	155	13.16	8.96	1.8		19	0	151	.13	9	1.2	2.2	POL
		29	1658	2.68	19	23.33	155	14.89	1.42	1.0		11	0	104	.06	3	.3	.2	GLN
		29	1658	55.70	19	23.15	155	14.83	2.00			9	0	111	.11	3	.9	.0	GLN
		29	17	0 34.27	19	23.43	155	14.88	1.26	1.3		20	0	72	.12	3	.5	.4	GLN
		29	17	3 47.39	19	23.38	155	14.95	1.46			9	0	102	.07	3	.5	.3	GLN
		29	17	4 43.89	19	23.41	155	14.83	1.97	2.3		21	0	53	.10	3	.4	23.0	GLN
		29	17	8 1.78	19	23.20	155	16.86	3.67	.3		6	0	149	.12	2	1.2	2.6	SPC
		29	1722	10.44	19	20.53	155	17.03	30.68	3.9		34	1	75	.10	5	.9	1.3	DEP
		29	1724	31.76	19	23.33	155	14.85	1.19	.2		7	0	104	.04	3	.4	.4	GLN
		29	1725	7.31	19	21.24	155	13.19	7.54			17	0	109	.14	6	1.1	2.8	UER
		29	1728	40.39	19	20.33	155	13.05	7.05	.4		9	0	188	.05	6	1.0	2.3	UER
		29	1730	48.74	19	25.81	155	16.95	2.01	.3		9	0	161	.12	2	1.5	47.6	SPC
		29	1731	10.09	19	25.31	155	25.71	11.68	1.0		11	0	174	.06	10	.7	.9	UKF
		29	1758	5.76	19	23.38	155	14.91	2.00	.2		9	0	102	.08	3	.6	.0	GLN
		29	18	9 14.60	19	23.49	155	14.81	2.00	.1		9	0	98	.09	3	.8	.0	GLN
		29	1825	54.55	19	21.21	155	17.22	24.74	1.3		19	0	58	.04	4	.7	1.7	DEP
		29	1832	29.40	19	22.32	155	17.34	2.00	1.0		9	0	120	.12	3	1.1	.0	KOA
		29	1835	31.68	19	22.35	155	17.34	2.00			8	0	120	.14	3	1.3	.0	KOA
		29	1845	8.37	19	23.24	155	14.82	1.22	.1		8	0	107	.05	3	.3	.3	GLN
		29	1847	39.60	19	26.16	155	22.17	6.94	1.2		15	0	109	.07	7	.5	1.8	UKF
		29	1848	10.77	19	23.16	155	14.63	2.00			9	0	110	.08	3	.7	.0	GLN
		29	1850	29.37	19	17.70	155	13.45	6.93	1.0		13	0	143	.08	9	1.6	2.5	POL
		29	1912	56.30	19	18.27	155	13.10	7.71	1.7		26	0	95	.12	8	.8	1.2	POL
		29	1921	40.16	19	23.39	155	24.45	7.33	2.5		29	0	46	.17	8	.9	1.5	UKF
		29	1931	2.93	19	19.07	155	13.89	8.15			20	0	87	.10	7	.7	1.7	UER
		29	1948	15.17	19	23.23	155	14.56	2.00	1.1		9	0	107	.09	3	.7	.0	GLN
		29	1951	21.61	19	23.33	155	14.82	1.81	1.0		11	0	104	.07	3	.5	99.0	GLN
		29	20	2 33.49	19	23.42	155	24.73	13.04			13	0	121	.03	9	.6	1.0	UKF
		29	20	3 56.36	19	20.18	155	15.87	4.93	.4		11	0	97	.12	6	1.0	1.9	KOA
		29	20	7 14.26	19	17.76	155	14.90	5.53	.8		14	0	144	.11	7	1.2	2.3	POL
		29	2039	44.99	19	21.82	155	24.02	7.70	1.7		26	0	57	.14	8	.8	1.5	SWR
		29	21	8 55.95	19	18.02	155	12.76	5.55	.7		12	0	179	.11	9	2.5	3.7	POL
		29	2119	26.64	19	22.06	155	18.12	.86	.2		8	0	88	.07	4	.4	.6	KOA
		29	2125	27.54	19	22.84	155	17.27	2.00			9	0	108	.09	3	.7	.0	KOA
		29	2128	7.52	19	22.92	155	17.35	1.09	.2		9	0	178	.11	3	1.1	.9	KOA
		29	2131	47.94	19	22.89	155	17.27	2.00	.1		9	0	107	.14	3	1.2	.0	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	GAP NS	DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	29	2152	13.25	19	22.64	155	24.57	9.55			19	0	102	.06	9	.5	2.1	UKF
		29	2154	33.00	19	25.64	155	24.65	7.54	1.9		25	0	74	.15	8	.8	1.7	UKF
		29	2212	27.95	19	24.42	155	17.58	1.45	1.5		21	1	56	.13	2	.5	.5	SPC
		29	2226	22.92	19	24.07	155	17.82	.92			8	0	126	.06	2	.5	.6	SPC
		29	2248	43.98	19	23.07	155	17.05	2.00			8	0	163	.08	2	1.0	2.0	SPC
		29	2251	34.39	19	22.75	155	17.53	1.17			10	0	118	.08	3	.8	.5	KOA
		29	23 2	20.42	19	19.96	155	18.05	27.96			15	0	178	.11	7	3.3	9.4	DEP
		29	2319	26.23	19	23.32	155	24.27	8.77	2.1		27	0	64	.11	8	.6	.9	UKF
		29	2326	9.10	19	26.60	155	29.01	10.08			12	0	252	.09	15	2.4	.7	UKF
		29	2343	35.59	19	22.87	155	17.28	2.00	.9		10	0	108	.13	3	1.0	.0	KOA
		29	2352	39.72	19	25.67	155	16.76	1.91			8	0	163	.03	2	.5	.1	SPC
		29	2355	45.57	19	20.17	155	18.33	1.97	.1		6	0	93	.05	6	1.0	99.0	KOA
		30	0 0	43.16	19	25.79	155	16.64	1.65	.2		8	0	221	.11	2	2.2	.5	SPC
		30	0 2	49.70	19	23.13	155	16.95	1.83			7	0	156	.08	2	1.3	.4	SPC
		30	017	49.35	19	23.48	155	24.23	8.67	1.5		20	0	98	.09	8	.6	1.2	UKF
		30	024	58.35	19	22.45	155	17.56	1.19			7	0	125	.03	3	.6	.6	KOA
		30	058	40.74	19	22.04	155	18.18	.58			8	0	160	.06	4	.4	1.7	KOA
		30	059	7.13	19	23.60	155	15.20	.04			10	0	93	.17	3	.6	.6	SPC
		30	1 4	13.47	19	22.93	155	17.06	1.73			8	0	171	.06	2	.8	.3	KOA
		30	1 6	25.93	19	21.78	155	17.51	5.77	.4		7	0	136	.14	3	.4	1.7	KOA
		30	113	7.18	19	22.47	155	17.22	2.00	.1		8	0	113	.08	3	.8	.0	KOA
		30	122	18.98	19	22.03	155	17.39	6.02	.4		7	0	127	.11	4	.7	2.6	KOA
		30	126	18.58	19	26.55	155	29.21	7.49	2.1		29	0	72	.13	12	.7	1.6	UKF
		30	127	4.62	19	23.41	155	28.84	11.63	1.3		18	0	187	.11	15	1.5	.6	UKF
		30	214	59.45	19	24.13	155	16.03	2.64			7	0	105	.06	2	.8	2.9	SPC
		30	234	6.33	19	22.84	155	17.47	1.16	.8		10	0	113	.09	3	.8	.6	KOA
		30	238	24.95	19	24.47	155	29.53	13.87	.9		10	0	271	.06	15	9.7	8.4	UKF
		30	240	15.62	19	23.98	155	15.76	2.00	.2		9	0	122	.14	3	1.3	.0	SPC
		30	245	13.27	19	22.35	155	17.32	1.42	1.0		13	0	90	.08	3	.5	.4	KOA
		30	247	41.56	19	22.54	155	17.34	2.00	1.3		16	0	86	.13	3	.6	.0	KOA
		30	251	44.04	19	25.11	155	25.65	8.06	3.3		31	0	42	.17	10	.8	1.3	UKF
		30	253	52.87	19	24.83	155	25.93	8.05	2.2		21	0	72	.11	10	.8	2.2	UKF
		30	257	37.03	19	21.84	155	18.32	.30	2.3		13	0	90	.07	4	.3	1.2	KOA
		30	259	25.18	19	23.47	155	24.43	9.94	1.0		16	0	101	.06	8	.5	.5	UKF
		30	3 6	18.56	19	25.06	155	25.58	6.13	2.2		26	0	62	.13	10	.7	2.5	UKF
		30	3 7	37.71	19	22.48	155	17.31	1.55			8	0	116	.05	3	.6	.4	KOA
		30	351	4.61	19	23.50	155	14.96	1.38			10	0	98	.09	5	.5	.3	GLN
		30	415	9.31	19	21.75	155	18.19	3.52	.3		7	0	168	.09	4	.6	4.3	KOA
		30	434	51.57	19	29.19	155	36.51	2.71	2.7		16	0	258	.13	20	3.4	1.4	MOK
		30	452	18.49	19	26.08	155	26.88	12.34	1.3		11	0	211	.07	11	3.7	10.1	UKF
		30	5 0	27.09	19	25.44	155	26.60	12.55	1.0		12	0	198	.05	11	.6	.4	UKF
		30	5 6	3.33	19	22.53	155	17.39	2.00			10	0	118	.10	3	.8	.0	KOA
		30	5 7	55.19	19	22.00	155	18.16	1.03	1.0		15	0	70	.10	4	.4	.5	KOA
		30	525	45.19	19	23.30	155	17.25	1.42			9	0	155	.09	3	.9	.3	SPC
		30	553	36.95	19	23.09	155	17.40	1.13			9	0	170	.07	3	.6	.3	SPC
		30	554	11.21	19	23.93	155	16.60	3.91	.4		8	0	86	.09	2	1.2	2.7	SPC
		30	623	50.24	19	18.81	155	28.54	6.70	1.5		19	0	64	.15	10	.9	2.7	HEA
		30	715	3.34	19	22.77	155	17.49	1.07	.7		8	0	116	.07	3	.6	.5	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	30	715	50.17	19	28.30	155	37.47	2.00	2.2		12	0	237	.16	20	3.4	.0	MOK
		30	735	53.38	19	28.91	155	30.76	24.29			8	0	301	.15	26	56.5	50.9	MOK
		30	738	25.61	19	23.95	155	15.70	2.00			8	0	126	.09	3	.9	.0	SPC
		30	739	8.97	19	24.25	155	15.75	1.89	1.4		22	1	55	.09	2	.5	.3	SPC
		30	740	27.11	19	24.13	155	15.71	1.83	.1		7	0	118	.04	3	.6	.3	SPC
		30	756	33.66	19	24.15	155	15.89	3.15	2.1		20	0	59	.10	2	.5	1.1	SPC
		30	813	.48	19	24.10	155	15.81	2.00	.4		9	0	115	.10	3	.8	.0	SPC
		30	813	17.73	19	17.42	155	17.84	29.75			21	0	167	.07	8	1.1	1.8	KOA
		30	833	45.35	19	26.53	155	24.67	7.72			20	0	80	.10	10	.8	1.5	UKF
		30	1035	57.34	19	25.91	155	24.89	12.57	1.4		15	0	164	.05	8	.7	.3	UKF
		30	1038	22.22	19	23.65	155	16.92	1.64	.2		9	0	84	.07	2	.7	.3	SPC
		30	1050	42.38	19	26.25	155	7.26	23.51	1.5		10	0	279	.30	16	41.8	57.4	GLN
		30	1137	13.05	19	23.33	155	14.92	1.51	1.4		17	0	101	.07	3	.3	.2	GLN
		30	1146	27.47	19	23.28	155	17.16	1.84			9	0	96	.08	3	.8	.3	SPC
		30	1150	49.83	19	22.64	155	17.30	1.53	.9		15	0	82	.09	3	.5	.4	KOA
		30	13 1	17.24	19	26.46	155	23.94	7.36	2.3		26	0	67	.14	9	.7	1.3	UKF
		30	1350	19.05	19	24.45	155	15.67	2.10	1.1		14	0	64	.06	2	.5	5.6	SPC
		30	1451	23.28	19	22.26	155	17.48	1.27			10	0	110	.17	3	1.5	1.3	KOA
		30	1557	51.97	19	23.20	155	16.99	1.80	.8		12	0	94	.10	2	.8	.3	SPC
		30	1625	43.85	19	23.26	155	17.09	1.51			10	0	95	.07	3	.7	.3	SPC
		30	1658	51.20	19	23.68	155	16.97	1.58	1.5		18	0	45	.15	2	.6	.4	SPC
		30	17 9	.02	19	26.10	155	24.89	7.09	1.9		22	0	100	.12	8	.8	2.4	UKF
		30	1740	12.13	19	23.22	155	17.15	1.53	.8		11	0	68	.05	3	.3	.1	SPC
		30	18 8	49.46	19	22.35	155	17.22	2.00			11	0	97	.14	3	1.1	.0	KOA
		30	1822	45.41	19	26.00	155	36.12	3.36	2.9		27	0	51	.16	16	.8	1.5	MOK
		30	1918	24.25	19	23.10	155	16.82	1.47	1.1		16	0	62	.12	2	.6	.3	SPC
		30	1937	2.51	19	24.65	155	25.55	7.02	1.7		22	0	87	.11	10	.7	2.2	UKF
		30	1949	14.51	19	24.27	155	16.10	1.89	.1		8	0	98	.07	2	.7	.3	SPC
		30	1951	59.00	19	25.71	155	26.11	7.08	1.8		18	0	167	.08	10	1.0	2.7	UKF
		30	20 4	59.69	19	23.15	155	17.10	1.73			9	0	163	.09	3	1.2	.3	SPC
		30	2023	50.56	19	23.19	155	17.28	1.78	.8		12	0	61	.08	3	.6	.3	SPC
		30	2025	45.40	19	23.27	155	17.18	1.50			10	0	96	.08	3	.7	.3	SPC
		30	21 2	21.18	19	20.64	155	6.57	7.12	1.5		17	0	100	.10	7	.9	2.5	UER
		30	21 7	34.69	19	23.29	155	17.17	1.60			9	0	96	.06	3	.7	.3	SPC
		30	2110	31.38	19	23.38	155	17.14	1.52	.2		10	0	93	.08	3	.7	.3	SPC
		30	2121	56.56	19	23.09	155	17.18	1.79			10	0	100	.08	3	.7	.3	SPC
		30	2131	47.36	19	23.14	155	17.18	1.49			11	0	67	.05	3	.4	.2	SPC
		30	2137	38.68	19	23.30	155	17.04	1.63	.8		15	0	56	.10	3	.6	.3	SPC
		30	2150	12.49	19	22.99	155	17.09	1.72	.1		9	0	168	.08	2	.9	.3	KOA
		30	2226	32.06	19	23.19	155	17.03	1.56			12	0	60	.12	2	.9	.4	SPC
		30	2238	6.84	19	23.25	155	17.16	1.49			9	0	155	.09	3	1.0	.3	SPC
		30	2241	30.56	19	23.03	155	16.94	2.00			8	0	162	.09	2	1.2	2.2	SPC
		30	2241	52.86	19	18.20	155	16.65	6.35	1.4		19	0	119	.09	6	.6	1.2	KOA
		30	2242	26.06	19	23.36	155	17.04	1.55			10	0	92	.09	3	.8	.3	SPC
		30	2251	25.27	19	21.23	155	17.25	30.25	1.7		24	0	57	.08	4	1.0	1.6	DEP
		30	2256	56.55	19	23.42	155	16.98	2.00			10	0	89	.11	3	.8	1.5	SPC
		30	23 2	39.45	19	23.21	155	17.14	1.35			10	0	97	.10	3	.9	.4	SPC
		30	23 3	40.88	19	23.35	155	17.17	2.71	2.0		28	0	56	.16	3	.6	1.3	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	30	23 8	1.90	19	23.10	155	17.21	1.47			9	0	165	.12	3	1.2	.5	SPC
		30	23 9	26.50	19	23.36	155	17.10	1.63			10	0	93	.07	3	.6	.3	SPC
		30	2310	49.33	19	23.16	155	17.28	1.42			11	0	101	.07	3	.6	.3	SPC
		30	2316	32.94	19	23.18	155	17.23	1.46			10	0	100	.09	3	.9	.4	SPC
		30	2320	11.32	19	23.12	155	17.45	1.09			10	0	106	.10	3	.5	.5	SPC
		30	2324	38.09	19	23.25	155	16.91	1.62	.8		14	0	57	.10	2	.6	.3	SPC
		30	2325	13.63	19	23.06	155	17.24	1.40	.8		13	0	66	.06	3	.4	.2	SPC
		30	2326	18.68	19	23.26	155	17.22	1.46	.1		9	0	156	.06	3	.7	.3	SPC
		30	2326	37.44	19	23.33	155	17.03	1.89			10	0	92	.10	3	.9	.4	SPC
		30	2331	32.20	19	23.07	155	17.27	1.43			9	0	168	.07	3	.8	.3	SPC
		30	2332	36.90	19	23.20	155	17.01	1.60	.8		12	0	85	.11	2	.8	.3	SPC
		30	2332	48.48	19	23.32	155	17.01	1.49	.8		13	0	56	.10	3	.6	.3	SPC
		30	2335	14.25	19	23.24	155	16.99	1.91			9	0	151	.07	2	.8	.3	SPC
		30	2336	50.11	19	23.25	155	15.11	1.52	1.0		14	0	104	.08	3	.4	.2	SPC
		30	2339	25.44	19	23.14	155	16.72	1.62	1.1		16	0	58	.11	2	.6	.3	SPC
		30	2340	2.94	19	23.35	155	17.07	1.62			9	0	148	.08	3	.9	.3	SPC
		30	2340	28.79	19	23.06	155	17.08	2.00			9	0	164	.09	2	1.0	2.3	SPC
		30	2340	53.65	19	23.16	155	16.89	1.81			8	0	152	.06	2	.7	.2	SPC
		30	2341	49.53	19	23.20	155	16.89	1.95			10	0	92	.10	2	.9	.4	SPC
		30	2344	28.56	19	27.69	155	22.91	33.96			11	0	195	.34	12	23.9	34.0	UKF
		30	2345	7.31	19	23.61	155	16.93	2.00			10	0	85	.11	2	.8	1.6	SPC
		30	2345	18.16	19	23.14	155	17.29	1.41			9	0	165	.09	3	1.0	.4	SPC
		30	2346	53.73	19	23.19	155	17.22	1.47			10	0	99	.08	3	.7	.3	SPC
		30	2347	28.96	19	23.20	155	16.95	1.84	.8		13	0	59	.11	2	.7	.3	SPC
		30	2350	13.62	19	23.12	155	17.03	1.40	.8		9	0	96	.10	3	.8	.4	SPC
		30	2351	42.11	19	23.19	155	17.11	1.34	.9		16	0	61	.11	3	.6	.3	SPC
		30	2352	40.00	19	23.24	155	17.08	1.53	.8		8	0	154	.09	3	1.0	.4	SPC
		30	2352	55.00	19	23.06	155	17.13	1.37	1.0		16	0	71	.10	2	.5	.3	SPC
		30	2353	56.04	19	23.28	155	17.29	1.13			9	0	157	.09	3	.9	.4	SPC
		30	2354	8.55	19	23.22	155	17.43	.89	.7		9	0	103	.18	3	1.0	1.0	SPC
		30	2356	41.63	19	23.07	155	17.30	1.31	.8		10	0	103	.08	3	.7	.4	SPC
		30	2357	12.03	19	23.16	155	17.28	1.31			9	0	163	.07	3	.8	.4	SPC
		30	2358	1.05	19	23.08	155	17.23	1.51	2.3		27	0	60	.12	3	.4	.3	SPC
		30	2359	24.91	19	23.05	155	16.87	2.00	.9		10	0	85	.15	3	1.0	.0	SPC
		31	0 1	28.48	19	23.35	155	17.02	1.63	1.3		20	0	55	.10	3	.4	.2	SPC
		31	0 2	11.51	19	23.22	155	17.20	1.38			9	0	158	.07	3	.8	.3	SPC
		31	0 2	26.15	19	22.91	155	17.99	2.00			9	0	127	.16	3	1.9	.0	KOA
		31	0 3	37.32	19	23.15	155	17.19	1.50	1.1		17	0	62	.10	3	.5	.3	SPC
		31	0 4	44.71	19	23.04	155	16.83	2.00	1.0		12	0	85	.15	3	1.0	.0	SPC
		31	0 5	19.25	19	23.61	155	17.03	.81	1.4		22	0	47	.20	2	.5	.5	SPC
		31	0 6	34.95	19	23.16	155	17.30	1.29			9	0	164	.08	3	.6	.4	SPC
		31	0 8	33.82	19	23.13	155	17.18	1.42			10	0	99	.08	3	.8	.3	SPC
		31	0 9	.70	19	23.24	155	17.08	1.54	1.1		14	0	70	.09	3	.5	.3	SPC
		31	0 9	26.02	19	23.30	155	17.27	1.23	2.0		21	0	58	.14	4	.5	.5	SPC
		31	010	44.56	19	23.27	155	16.98	1.06	1.8		22	0	57	.13	2	.4	.4	SPC
		31	011	14.94	19	23.07	155	17.09	.60	2.4		18	0	73	.14	2	.6	.5	SPC
		31	012	23.86	19	23.72	155	17.05	.68	2.1		17	0	61	.20	7	1.1	2.1	SPC
		31	013	38.24	19	23.35	155	17.27	4.45	2.1		15	0	67	.17	4	1.1	2.1	SPC

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	31	014	43.87	19	23.22	155	17.47	2.54	2.2		11	0	62	.10	4	.6	7.3	SPC
		31	023	19.31	19	22.92	155	17.40	5.61	2.5		14	0	78	.12	6	.8	2.6	KOA
		31	026	16.50	19	23.91	155	16.99	1.17			23	0	58	.19	4	.9	1.1	SPC
		31	028	3.28	19	23.33	155	16.79	1.03	1.3		14	0	89	.08	4	.5	.7	SPC
		31	030	27.35	19	23.43	155	17.11	1.79	2.9		15	0	83	.09	5	.5	99.0	SPC
		31	034	17.14	19	23.41	155	16.97	4.87	1.7		13	0	91	.12	10	.9	1.6	SPC
		31	035	25.45	19	24.81	155	15.95	2.00	.7		8	0	74	.17	6	1.5	.0	SPC
		31	041	23.40	19	23.76	155	17.14	4.52	2.3		22	0	58	.12	4	.6	.9	SPC
		31	042	55.79	19	22.90	155	17.28	.52	.8		10	0	88	.07	5	.5	2.6	KOA
		31	043	22.90	19	23.44	155	16.46	1.57	1.2		11	0	91	.19	4	1.4	.9	SPC
		31	043	51.78	19	23.06	155	17.00	1.06	1.6		13	0	90	.14	4	.8	1.0	SPC
		31	045	45.00	19	23.75	155	17.09	4.39	2.3		24	0	58	.14	3	.6	.9	SPC
		31	048	.68	19	24.11	155	17.19	1.62	1.0		10	0	72	.12	2	.9	.6	SPC
		31	050	45.26	19	23.75	155	16.94	1.65			18	0	46	.13	3	.5	.6	SPC
		31	051	54.19	19	23.63	155	16.93	1.59			12	0	84	.15	3	1.2	.5	SPC
		31	052	31.82	19	23.26	155	17.04	1.61	1.5		18	0	58	.08	3	.3	.2	SPC
		31	053	10.37	19	23.22	155	17.07	1.14	1.4		12	0	117	.09	3	.6	.3	SPC
		31	054	40.14	19	23.73	155	17.09	1.77	1.1		14	0	47	.17	3	.9	.6	SPC
		31	054	58.02	19	23.38	155	17.30	.81	1.4		13	0	67	.21	4	.8	1.2	SPC
		31	059	7.63	19	22.73	155	17.42	4.01	2.3		11	0	85	.10	6	.8	2.5	KOA
		31	1	0 46.40	19	22.95	155	17.18	.32			13	0	62	.15	5	.8	4.9	KOA
		31	1	2 24.47	19	22.78	155	17.48	2.00			8	0	115	.14	4	1.3	.0	KOA
		31	1	2 44.38	19	22.65	155	17.19	2.00	1.3		13	0	83	.16	4	.9	.0	KOA
		31	1	3 55.42	19	23.66	155	17.26	3.91	2.1		18	0	77	.11	3	.6	1.3	SPC
		31	1	5 24.61	19	23.86	155	16.86	1.11	1.2		12	0	79	.19	3	1.1	.6	SPC
		31	1	7 20.05	19	22.98	155	17.34	1.74	1.1		10	0	68	.12	4	.9	.5	KOA
		31	1	8 21.72	19	22.30	155	18.07	1.03	1.3		14	0	72	.13	4	.6	.7	KOA
		31	1	9 52.53	19	23.85	155	17.23	4.17			14	0	66	.09	11	.6	1.6	SPC
		31	111	41.51	19	22.36	155	17.50	1.02	1.7		11	0	86	.14	4	.8	.8	KOA
		31	112	8.31	19	23.59	155	17.16	1.38			18	0	49	.11	2	.5	.3	SPC
		31	112	56.48	19	22.13	155	26.25	15.78	2.7		13	0	115	.20	14	2.3	4.0	UKF
		31	113	58.24	19	23.85	155	17.20	1.55	1.9		14	0	78	.08	4	.4	.6	SPC
		31	116	.77	19	23.69	155	16.98	4.13			17	0	60	.15	5	.9	1.8	SPC
		31	119	31.32	19	23.65	155	17.37	1.50			18	0	76	.13	3	.6	.6	SPC
		31	120	38.23	19	23.05	155	16.95	2.00	1.0		9	0	161	.15	3	1.7	.0	SPC
		31	124	28.25	19	22.93	155	19.96	4.56	1.5		7	0	263	.15	7	9.5	14.5	UKF
		31	124	50.71	19	23.60	155	16.78	1.30			8	0	84	.04	5	.4	.5	SPC
		31	132	7.00	19	23.55	155	17.14	1.32	1.2		11	0	77	.11	3	.7	.4	SPC
		31	139	4.07	19	23.61	155	16.98	1.74	2.2		15	0	77	.07	4	.5	.2	SPC
		31	140	17.89	19	22.49	155	17.52	1.19			9	0	84	.09	4	.8	1.0	KOA
		31	141	16.46	19	22.81	155	17.74	.27			9	0	79	.10	4	.8	2.6	KOA
		31	142	31.49	19	23.94	155	17.04	1.35	.7		7	0	119	.08	3	1.0	.5	SPC
		31	146	9.94	19	23.45	155	16.95	1.45			14	0	84	.11	4	.7	.5	SPC
		31	150	19.73	19	26.60	155	24.29	7.41	2.2		26	0	68	.16	10	.8	1.2	UKF
		31	155	14.57	19	22.12	155	17.60	3.84			16	0	76	.06	4	.5	.9	KOA
		31	2	1 2.81	19	23.83	155	16.98	2.12			16	0	58	.16	2	.9	1.8	SPC
		31	228	9.75	19	22.02	155	18.64	1.49			12	0	83	.09	5	.6	48.3	KOA
		31	243	46.54	19	21.72	155	18.19	2.80			15	0	68	.19	5	1.2	4.9	KOA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	31	514	22.45	19	21.01	155	19.15	4.48			18	0	66	.09	6	.5	.8	SWR
		31	6 5	4.45	19	20.38	155	19.52	5.34			21	0	63	.17	6	.9	1.1	SWR
		31	627	25.03	19	20.38	155	19.60	5.05	2.3		23	0	63	.13	7	.7	1.0	SWR
		31	636	50.81	19	21.20	155	18.74	3.89			19	0	79	.11	5	.6	1.3	KOA
		31	659	13.66	19	20.47	155	20.05	5.29			21	0	85	.17	6	.9	1.2	SWR
		31	7 6	58.60	19	21.52	155	18.84	1.92			15	0	116	.07	5	.5	43.4	KOA
		31	740	36.18	19	21.00	155	18.74	5.64			15	0	74	.12	6	.9	1.8	KOA
		31	745	30.33	19	20.55	155	19.87	5.04			18	0	77	.12	6	.7	1.2	SWR
		31	8 2	5.94	19	20.58	155	20.27	5.37			20	0	64	.10	6	.6	.7	SWR
		31	8 2	50.64	19	20.74	155	20.16	4.87	2.4		17	0	96	.14	6	.9	1.6	SWR
		31	8 5	52.10	19	26.51	155	17.57	6.58			8	0	218	.08	5	2.2	2.2	LPC
		31	8 6	27.39	19	20.24	155	20.38	6.04			15	0	89	.07	5	.6	1.3	SWR
		31	814	2.24	19	20.37	155	20.12	5.86			21	0	69	.11	6	.7	1.6	SWR
		31	817	36.37	19	20.05	155	20.22	5.72			19	0	124	.11	7	.9	1.8	SWR
		31	822	18.67	19	19.91	155	20.17	6.28			16	0	72	.09	6	.7	1.4	SWR
		31	830	2.34	19	20.47	155	20.61	5.51			22	0	108	.14	9	.8	2.4	SWR
		31	832	38.58	19	21.30	155	18.69	5.24			15	0	68	.11	6	.7	1.0	KOA
		31	833	37.93	19	20.39	155	20.44	5.50			18	0	71	.06	5	.4	1.0	SWR
		31	838	52.06	19	20.55	155	20.67	3.99			12	0	90	.07	6	.7	2.8	SWR
		31	922	21.06	19	26.48	155	19.28	1.21			7	0	168	.19	7	5.3	.0	UKF
		31	926	3.60	19	19.60	155	21.02	2.57			21	0	87	.18	6	1.0	3.9	SWR
		31	930	56.62	19	19.01	155	20.32	3.84	3.2		27	0	94	.15	6	.8	1.4	SWR
		31	932	34.75	19	18.97	155	19.92	1.17			13	0	89	.10	6	1.2	1.5	SWR
		31	1020	52.17	19	20.29	155	20.58	5.67			12	0	164	.07	6	.9	1.7	SWR
		31	1022	28.94	19	20.56	155	20.82	3.47			14	0	120	.15	6	1.3	4.8	SWR
		31	1027	45.14	19	20.30	155	20.94	4.59			17	0	114	.12	6	.9	1.8	SWR
		31	1031	34.19	19	20.33	155	20.24	5.09			6	0	120	.03	5	.6	3.6	SWR
		31	1032	38.28	19	17.38	157	14.30	23.06			7	0	356	.33	206	99.0	97.5	DIS
		31	1034	31.34	19	8.59	155	24.88	2.00			13	0	317	.35	25	68.3	.0	LSW
		31	1036	24.40	19	20.39	155	20.12	5.00			14	0	101	.09	6	.7	1.4	SWR
		31	1045	28.90	19	18.89	155	19.79	1.59			9	0	126	.18	7	3.3	3.4	SWR
		31	1047	46.09	19	24.01	155	16.99	.01			7	0	122	.36	4	2.9	4.4	SPC
		31	1054	52.63	19	17.04	155	21.60	4.76			15	0	190	.07	9	.8	1.1	SWR
		31	1059	30.25	19	17.78	155	21.76	5.04			18	0	123	.13	9	1.0	1.6	SWR
		31	11 2	31.66	19	19.80	155	21.05	6.66			8	0	312	.19	11	31.2	12.6	SWR
		31	11 5	1.48	19	18.07	155	21.65	5.21			14	0	166	.13	8	1.4	3.4	SWR
		31	1118	50.36	19	20.54	155	20.73	.48			7	0	120	.15	6	5.8	36.3	SWR
		31	1123	2.88	19	32.55	155	36.70	6.59			9	0	345	.09	39	93.6	32.2	MOK
		31	1128	39.81	19	17.63	155	22.53	5.89			15	0	127	.14	10	1.0	2.0	SWR
		31	1138	26.14	19	20.64	155	20.92	1.25			9	0	122	.13	6	.6	33.7	SWR
		31	1157	28.09	19	18.46	155	21.41	5.54			12	0	156	.16	8	1.8	2.7	SWR
		31	1158	53.99	19	20.13	155	21.55	.01			7	0	119	.21	7	4.5	4.9	SWR
		31	12 4	52.31	19	20.26	155	20.27	3.11			12	0	155	.12	6	1.3	2.5	SWR
		31	12 6	58.51	19	18.59	155	21.20	1.66			14	0	110	.22	7	1.5	64.5	SWR
		31	12 9	25.27	19	20.45	155	20.47	5.92			13	0	106	.07	6	.6	1.4	SWR
		31	1213	4.08	19	18.26	155	21.79	5.49			9	0	118	.12	8	1.5	1.6	SWR
		31	1214	5.21	19	17.29	155	22.01	6.44	3.0		19	0	126	.13	10	1.1	2.7	SWR
		31	1219	47.41	19	19.22	155	20.95	.38	2.6		20	0	94	.12	6	.5	2.3	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	31	1225	29.62	19	19.09	155	22.08	5.14	3.2		20	0	101	.14	8	.8	1.1	SWR
		31	1228	19.06	19	18.99	155	20.35	.41			13	0	95	.12	6	1.0	8.5	SWR
		31	1238	25.13	19	25.02	155	17.37	9.31			10	0	194	.27	3	9.9	16.9	LPC
		31	1240	48.20	19	18.04	155	21.83	4.97	5.5		25	0	121	.16	9	.8	1.2	SWR
		31	1248	46.42	19	19.51	155	21.88	3.70			13	0	93	.04	8	.3	1.0	SWR
		31	1252	53.37	19	15.60	155	22.42	8.17	2.7		22	0	143	.12	9	.9	1.5	LSW
		31	1259	37.29	19	20.23	155	20.05	2.43			9	0	177	.08	6	.7	11.7	SWR
		31	13	6 45.40	19	16.70	155	21.91	7.44	3.0		26	0	131	.13	10	.8	1.6	SWR
		31	1313	54.49	19	18.12	155	22.69	5.63			11	0	117	.11	10	1.2	2.6	SWR
		31	1317	46.12	19	24.41	155	17.35	1.08			8	0	142	.04	2	.6	.2	SPC
		31	1319	37.26	19	16.57	155	22.45	6.58	2.4		21	0	129	.19	7	1.3	2.0	SWR
		31	1321	35.81	19	19.23	155	22.12	5.06			18	0	98	.08	8	.5	.7	SWR
		31	1333	1.92	19	19.30	155	21.98	3.01	2.3		22	0	97	.13	8	.8	1.9	SWR
		31	1333	47.64	19	21.16	155	22.16	3.49			11	0	118	.29	9	2.8	5.1	SWR
		31	1344	5.86	19	16.59	155	21.00	5.68	2.4		21	0	136	.16	9	1.1	3.1	SWR
		31	1348	.05	19	16.53	155	22.30	4.43	2.4		20	0	130	.14	11	1.0	1.7	SWR
		31	1356	37.71	19	20.41	155	20.06	4.02	3.5		21	0	63	.10	6	.6	1.1	SWR
		31	1359	23.99	19	19.80	155	20.65	2.00			6	0	159	.10	7	1.8	.0	SWR
		31	14	3 31.50	19	26.63	155	23.37	2.58			7	0	329	.24	13	41.1	58.6	UKF
		31	1426	59.62	19	19.68	155	20.59	3.27	2.3		18	0	89	.10	6	.7	1.6	SWR
		31	1431	19.51	19	19.67	155	20.93	2.31	2.9		21	0	85	.15	6	.9	4.0	SWR
		31	1439	22.13	19	19.32	155	22.33	4.67	3.4		21	0	97	.13	9	.7	1.1	SWR
		31	1446	22.89	19	17.71	155	21.67	4.27	2.3		21	0	124	.15	9	.9	1.8	SWR
		31	1449	14.99	19	16.74	155	22.00	5.60	4.1		26	0	130	.14	8	.9	2.1	SWR
		31	1459	14.29	19	16.36	155	21.65	2.58	3.6		19	0	142	.14	10	1.0	3.1	SWR
		31	15	4 45.62	19	16.18	155	22.21	3.43	2.4		16	0	134	.18	8	1.3	4.2	SWR
		31	1520	47.37	19	17.78	155	22.54	3.00	2.6		24	0	120	.19	8	1.2	2.9	SWR
		31	1522	56.49	19	19.17	155	22.89	3.43			20	0	99	.17	8	1.1	2.6	SWR
		31	1528	58.83	19	.53	155	11.79	34.67	4.4		26	0	235	.11	34	2.7	5.0	PPL
		31	1537	.93	19	19.04	155	22.66	5.03	2.3		11	0	201	.07	9	.9	1.3	SWR
		31	1538	38.28	19	16.99	155	22.33	7.49	2.4		18	0	127	.14	8	1.1	1.7	SWR
		31	1551	17.20	19	20.27	155	19.86	.73	3.3		18	0	67	.09	6	.5	2.7	SWR
		31	16	1 27.10	19	19.60	155	23.21	3.19	2.3		12	0	182	.13	10	2.0	3.1	SWR
		31	16	5 51.39	19	17.10	155	22.52	.93			13	0	137	.16	11	2.1	39.3	SWR
		31	1620	23.11	19	16.58	155	21.67	5.26	2.8		13	0	159	.09	14	1.6	1.0	SWR
		31	1624	41.67	19	17.62	155	24.81	2.88	2.4		12	0	199	.23	14	3.7	5.7	SWR
		31	1629	17.47	19	16.01	155	21.69	5.94	2.4		12	0	158	.10	15	1.9	2.8	SWR
		31	1639	27.96	19	20.11	155	24.44	6.25	2.3		9	0	201	.28	16	7.9	10.6	SWR
		31	1645	56.31	19	17.13	155	24.62	3.16	2.4		11	0	193	.30	15	5.2	10.0	SWR
		31	1648	19.38	19	20.21	155	20.26	4.30	3.1		15	0	123	.11	5	.9	1.5	SWR
		31	1651	43.79	19	18.41	155	22.53	4.76			10	0	177	.11	11	2.1	3.2	SWR
		31	1657	24.21	19	19.24	155	22.79	7.09	2.3		18	0	98	.14	10	1.1	1.8	SWR
		31	17	1 .80	19	18.72	155	22.97	6.78			17	0	106	.13	10	1.3	1.9	SWR
		31	17	2 23.59	19	18.56	155	22.82	6.77	2.3		20	0	109	.10	10	.7	1.4	SWR
		31	17	3 12.85	19	15.66	155	22.53	6.53			16	0	142	.14	12	1.3	2.0	LSW
		31	17	6 56.99	19	15.61	155	23.27	5.61	2.4		16	0	151	.15	13	1.4	2.9	LSW
		31	17	7 38.21	19	38.76	155	8.85	9.86	1.4		16	0	2921	.48	29	36.9	5.2	HIL
		31	17	9 25.90	19	17.96	155	21.74	.91	2.3		13	0	147	.17	13	2.0	46.7	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	31	1710	53.40	19	18.67	155	22.88	4.12	3.2		15	0	107	.14	10	1.3	2.3	SWR
		31	1712	50.99	19	19.12	155	23.11	6.27			14	0	144	.09	8	1.1	3.3	SWR
		31	1713	8.84	19	18.65	155	22.76	4.73	2.3		16	0	118	.10	10	.8	1.5	SWR
		31	1719	22.89	19	18.71	155	22.84	4.05	2.3		17	0	107	.09	10	.7	1.8	SWR
		31	1721	1.59	19	18.62	155	22.76	7.02	2.3		21	0	109	.10	10	.7	1.3	SWR
		31	1724	44.23	19	18.84	155	22.87	6.50	2.3		17	0	105	.14	10	1.0	2.6	SWR
		31	1733	52.97	19	18.90	155	23.31	4.50	2.3		20	0	103	.14	10	.9	1.5	SWR
		31	1741	3.70	19	18.70	155	22.59	5.40	2.3		21	0	108	.11	8	.7	.9	SWR
		31	1754	36.58	19	18.79	155	22.78	4.11	2.3		17	0	106	.14	10	1.1	2.4	SWR
		31	18	2 17.40	19	17.42	155	22.68	5.41	3.2		20	0	122	.16	7	1.1	1.4	SWR
		31	18	7 38.82	19	18.68	155	22.93	6.83	2.3		21	0	107	.12	10	.9	1.6	SWR
		31	1812	20.26	19	18.70	155	22.72	6.51	3.1		20	0	107	.11	10	.8	1.4	SWR
		31	1815	21.51	19	15.77	155	21.15	7.32	2.4		23	0	149	.12	10	.9	1.5	LSW
		31	1822	52.86	19	16.71	155	23.04	.65	2.4		16	0	132	.17	8	1.4	90.6	SWR
		31	1828	46.70	19	17.16	155	22.05	1.21	2.7		13	0	140	.36	14	3.5	99.0	SWR
		31	1838	4.33	19	18.57	155	23.10	5.67			19	0	108	.15	10	1.1	3.3	SWR
		31	1841	42.06	19	19.16	155	23.16	6.55	2.6		20	0	108	.14	14	1.0	2.1	SWR
		31	1848	55.24	19	18.01	155	23.28	6.03	2.7		19	0	116	.15	12	1.4	2.5	SWR
		31	1911	18.38	19	16.17	155	21.63	8.05	2.4		14	0	147	.09	15	1.0	1.4	SWR
		31	1915	12.54	19	18.68	155	23.01	4.66			16	0	107	.12	10	.9	1.7	SWR
		31	1916	21.71	19	13.88	155	21.52	8.80	2.7		15	0	158	.15	14	1.4	2.1	LSW
		31	1919	43.60	19	19.58	155	22.12	4.84	2.3		10	0	170	.14	9	1.9	2.6	SWR
		31	1922	25.42	19	16.16	155	23.37	7.43	2.4		14	0	127	.16	13	2.1	1.9	SWR
		31	1930	16.16	19	16.59	155	22.09	5.58	2.4		15	0	131	.12	8	1.0	3.3	SWR
		31	1931	20.81	19	15.83	155	22.49	6.03	2.4		12	0	141	.12	8	1.3	2.3	LSW
		31	1947	30.70	19	14.61	155	21.94	7.67	2.7		14	0	154	.10	13	1.6	1.0	LSW
		31	1951	30.94	19	16.77	155	23.83	7.11	3.4		9	0	120	.41	15	5.8	7.1	SWR
		31	1957	23.34	19	19.16	155	23.54	6.41	2.3		19	0	106	.13	11	1.0	2.1	SWR
		31	20	2 55.66	19	16.34	155	23.92	.68			14	0	123	.21	15	1.8	11.3	SWR
		31	2017	28.78	19	17.22	155	24.02	6.86	2.4		9	0	195	.19	16	4.6	3.5	SWR
		31	2043	55.35	19	17.99	155	23.18	4.36	4.2		14	0	115	.16	11	1.3	2.1	SWR
		31	2053	24.99	19	15.72	155	21.55	7.05	3.4		18	0	147	.14	16	1.3	1.8	LSW
		31	2121	17.15	19	13.24	155	21.90	8.26	2.9		17	0	164	.15	15	1.4	2.3	LSW
		31	2124	48.54	19	16.32	155	24.14	6.09	3.4		12	0	121	.13	14	1.6	2.6	SWR
		31	2141	54.30	19	15.76	155	21.69	7.25	4.3		17	0	146	.10	9	.8	1.2	LSW
		31	2226	31.96	19	16.33	155	22.69	7.17	2.7		11	0	130	.11	12	1.4	1.8	SWR
		31	2239	27.86	19	15.59	155	21.79	7.80	2.4		8	0	160	.09	15	2.0	1.6	LSW
		31	2241	55.05	19	18.19	155	23.62	5.24	2.4		17	0	112	.12	11	.8	1.1	SWR
		31	2245	31.54	19	14.94	155	22.65	2.10			14	0	142	.19	13	2.1	8.1	LSW
		31	2246	23.95	19	17.66	155	23.59	2.84	2.4		16	0	115	.13	9	1.0	2.6	SWR
		31	23	6 4.92	19	23.89	155	18.42	14.76			9	0	152	.23	3	11.3	11.0	DEP
		31	23	9 3.53	19	20.39	155	20.40	2.79			11	0	198	.08	6	1.2	2.8	SWR
		31	2318	54.52	19	17.38	155	23.22	6.65	2.4		11	0	127	.14	11	1.8	2.4	SWR
		31	2330	26.45	19	14.47	155	22.20	4.82			15	0	165	.12	11	1.0	1.8	LSW
		31	2331	23.81	19	18.54	155	24.20	5.84	2.7		25	0	105	.15	9	.9	2.1	SWR
		31	2337	41.82	19	17.75	155	23.94	5.49			11	0	119	.07	12	.8	1.0	SWR
		31	2342	26.24	19	18.16	155	23.81	3.16	2.4		17	0	111	.11	9	.8	2.6	SWR
		31	2354	57.86	19	17.80	155	23.64	5.28	2.9		18	0	118	.15	9	1.1	1.2	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	31	2356	55.11	19	20.20	155	24.60	3.90			5	0	236	.07	15	7.8	55.7	SWR

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	JAN	2	627	51.71	19	14.52	155	28.57	11.17	3.5		32	0	91	.15	14	1.0	.4	LSW
		12	6 4	34.07	19	20.33	155	7.36	8.74	4.7		29	0	95	.10	8	.7	.7	UER
		15	22 6	46.54	19	48.34	155	36.05	32.68	4.2		35	1	99	.13	29	1.0	2.7	KKU
		21	1228	9.48	19	20.05	155	8.25	9.32	3.6		29	0	82	.09	9	.6	.6	UER
	FEB	4	1816	54.59	19	33.53	155	54.97	9.05	4.2		28	0	191	.15	33	1.6	.6	KON
	MAR	27	2258	54.22	18	57.10	155	33.15	38.97	3.6		30	0	234	.10	34	2.4	3.6	DIS
	APR	4	1142	15.28	19	22.39	155	16.52	27.25	3.5		31	0	48	.10	3	.8	1.3	DEP
		25	2 6	55.17	19	19.11	155	13.46	10.11	3.8		30	0	72	.08	7	.5	.3	UER
	MAY	5	137	23.92	19	21.54	155	15.60	13.75	4.2		29	0	68	.12	5	.7	1.1	DEP
		8	2350	7.05	19	27.81	155	35.31	.01	4.0		26	0	59	.16	24	.9	1.2	MOK
		23	1311	36.53	19	20.53	155	45.99	9.50	3.6		24	0	83	.12	23	.7	.7	KON
		24	2349	10.56	19	13.68	155	22.16	6.25	3.7		29	1	154	.18	12	1.1	2.6	LSW
		25	1338	32.28	20	9.04	155	46.28	36.04	3.6		15	0	155	.12	55	2.1	3.4	KOH
	JUN	3	13 2	9.14	19	26.26	155	26.47	9.20	4.1		31	0	47	.17	10	.8	1.1	UKF
		19	5 5	42.44	19	22.71	155	25.16	9.73	4.8		31	0	46	.13	10	.7	.3	UKF
		19	511	13.87	19	22.92	155	26.11	7.44	3.6		27	0	51	.17	11	.9	1.4	UKF
		19	533	3.73	19	23.02	155	25.33	8.68	3.6		31	0	44	.13	10	.6	.9	UKF
		20	2050	26.50	19	20.21	155	12.73	9.21	4.3		31	0	70	.12	6	.6	.8	UER
	JUL	20	2222	39.31	17	16.71	155	38.63	8.00	4.2		25	0	338	.15	218	84.0	99.0	DIS
		30	7 4	18.08	19	23.84	154	49.08	38.22	3.5		28	1	282	.12	28	2.2	3.2	LER
	AUG	8	112	59.37	19	22.47	155	18.33	28.72	4.2		33	0	31	.11	4	.8	1.4	DEP
		12	1126	20.56	19	23.46	155	26.96	8.08	3.5		29	0	45	.14	13	.7	1.0	UKF
		13	20 2	55.70	19	25.91	155	36.33	3.76	3.6		26	0	85	.12	20	.6	1.3	MOK
		17	2252	21.32	19	48.23	156	6.07	23.93	3.6		20	0	245	.10	49	2.2	3.6	KON
		23	1815	1.96	19	18.82	155	13.27	9.84	3.7		29	0	80	.08	8	.5	.3	POL
		27	2149	40.83	19	19.97	155	12.36	10.01	4.5		32	0	78	.09	6	.5	.3	UER
	SEP	24	2119	13.77	19	24.08	155	26.23	8.62	3.5		31	0	39	.14	11	.7	1.2	UKF
		25	226	25.23	19	19.60	155	10.98	8.84	3.8		24	0	94	.13	7	.8	1.3	UER
		25	2018	50.22	20	9.05	155	31.73	27.85	3.8		28	0	229	.09	42	1.7	3.2	KOH
	OCT	15	838	5.38	19	26.21	155	29.89	9.81	3.5		32	0	41	.14	11	.7	.4	UKF
		31	10 1	48.84	19	21.83	155	2.61	8.54	3.9		26	0	186	.14	13	1.3	.9	MER
		31	1045	22.07	19	21.88	155	2.54	8.66	3.7		28	0	188	.13	13	1.3	.7	MER
	NOV	10	153	14.72	19	24.87	155	25.50	10.39	4.2		34	0	41	.15	10	.7	.4	UKF
		21	2149	14.57	19	21.41	155	18.63	30.71	4.4		35	0	42	.10	5	.7	1.3	DEP
		30	354	23.67	19	26.26	155	25.05	5.60	5.5		29	0	67	.14	8	.6	3.2	UKF
		30	4 7	37.90	19	29.07	155	22.57	8.07	3.6		13	0	206	.22	14	4.5	3.7	NER
		30	1310	43.49	19	23.79	155	25.82	8.68	3.7		29	0	46	.14	11	.8	1.1	UKF
		30	1828	39.01	19	25.15	155	25.20	11.77	3.5		27	0	62	.10	9	.7	.3	UKF
	DEC	7	1514	27.91	19	24.43	155	26.84	9.13	4.1		31	0	59	.15	12	.8	1.0	UKF
		8	646	31.90	19	27.18	155	24.07	5.08	3.5		22	0	93	.16	11	1.0	1.3	UKF
		12	4 1	19.17	19	21.89	155	5.46	8.18	3.6		27	1	119	.11	9	.6	.8	MER
		14	011	10.35	19	25.13	155	25.31	9.00	3.6		33	0	42	.14	9	.7	.9	UKF
		14	652	24.22	19	26.12	155	36.17	3.36	3.7		28	0	49	.14	6	.7	1.3	MOK
		15	1053	47.76	19	28.51	155	36.06	2.10	4.7		32	0	60	.19	2	.9	2.3	MOK
		15	2317	29.59	19	24.39	155	25.90	9.15	4.8		32	0	38	.11	11	.6	.7	UKF
		16	9 0	55.13	19	24.41	155	25.71	9.42	3.8		29	0	86	.14	11	.8	.9	UKF
		21	818	4.02	19	23.68	155	26.90	10.07	4.1		29	0	64	.14	13	.8	.5	UKF
		23	745	53.34	19	19.14	155	25.33	9.46	3.6		33	0	93	.12	7	.6	.7	HEA

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	AMP MAG	DUR MAG	NR	NS	GAP DEG	RMS SEC	MIN DIS	ERH KM	ERZ KM	REMK
1974	DEC	25	747	49.33	19	20.94	155	16.86	30.48	4.6		36	1	69	.10	5	.8	1.3	DEP
		25	1813	21.06	19	13.58	155	18.01	7.69	4.2		31	0	166	.14	12	.8	1.2	HLP
		25	1817	10.60	19	13.61	155	17.63	7.82	3.8		30	0	167	.16	12	1.0	1.5	HLP
		25	1824	14.54	19	13.50	155	18.28	7.94	4.3		31	0	166	.15	12	.9	1.2	HLP
		28	17	2 38.79	19	45.19	156	1.12	6.29	3.7		28	0	227	.13	48	1.5	.9	KOH
		28	1924	23.58	19	20.73	155	4.02	8.85	3.9		29	0	123	.13	10	1.0	.8	MER
		29	1722	10.44	19	20.53	155	17.03	30.68	3.9		34	1	75	.10	5	.9	1.3	DEP
		31	1240	48.20	19	18.04	155	21.83	4.97	5.5		25	0	121	.16	9	.8	1.2	SWR
		31	1356	37.71	19	20.41	155	20.06	4.02	3.5		21	0	63	.10	6	.6	1.1	SWR
		31	1449	14.99	19	16.74	155	22.00	5.60	4.1		26	0	130	.14	8	.9	2.1	SWR
		31	1459	14.29	19	16.36	155	21.65	2.58	3.6		19	0	142	.14	10	1.0	3.1	SWR
		31	1528	58.83	19	.53	155	11.79	34.67	4.4		26	0	235	.11	34	2.7	5.0	PPL
		31	2043	55.35	19	17.99	155	23.18	4.36	4.2		14	0	115	.16	11	1.3	2.1	SWR
		31	2141	54.30	19	15.76	155	21.69	7.25	4.3		17	0	146	.10	9	.8	1.2	LSW

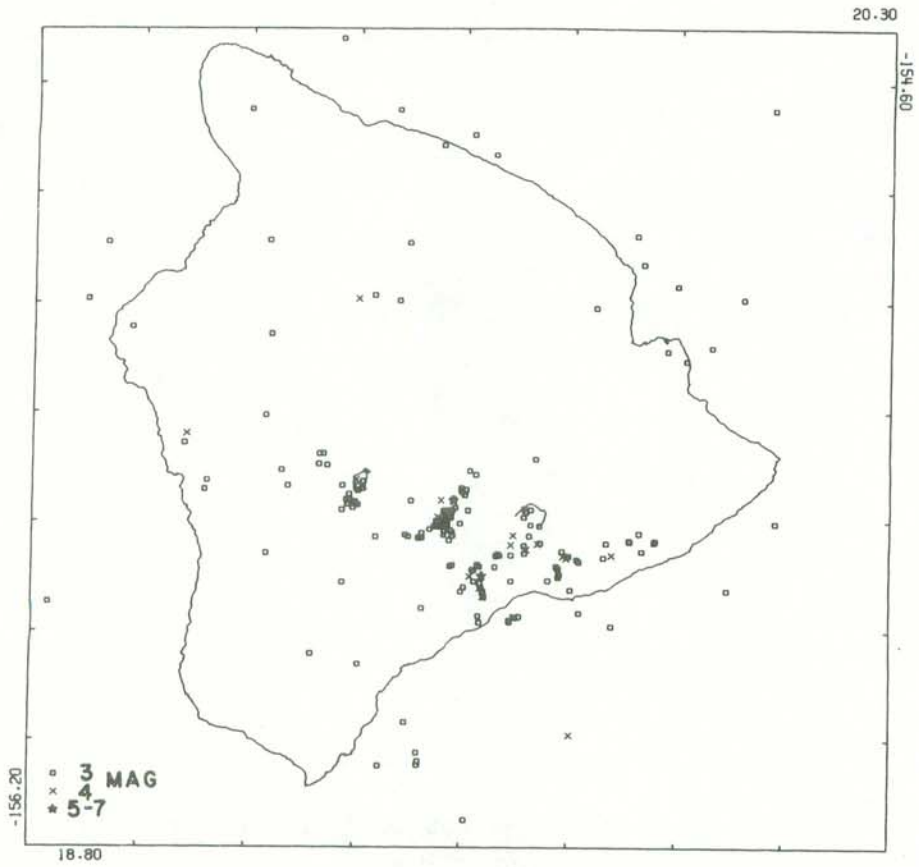

Figure 5.--Epicenter plot of magnitude 3 and above earthquakes for the year 1974.

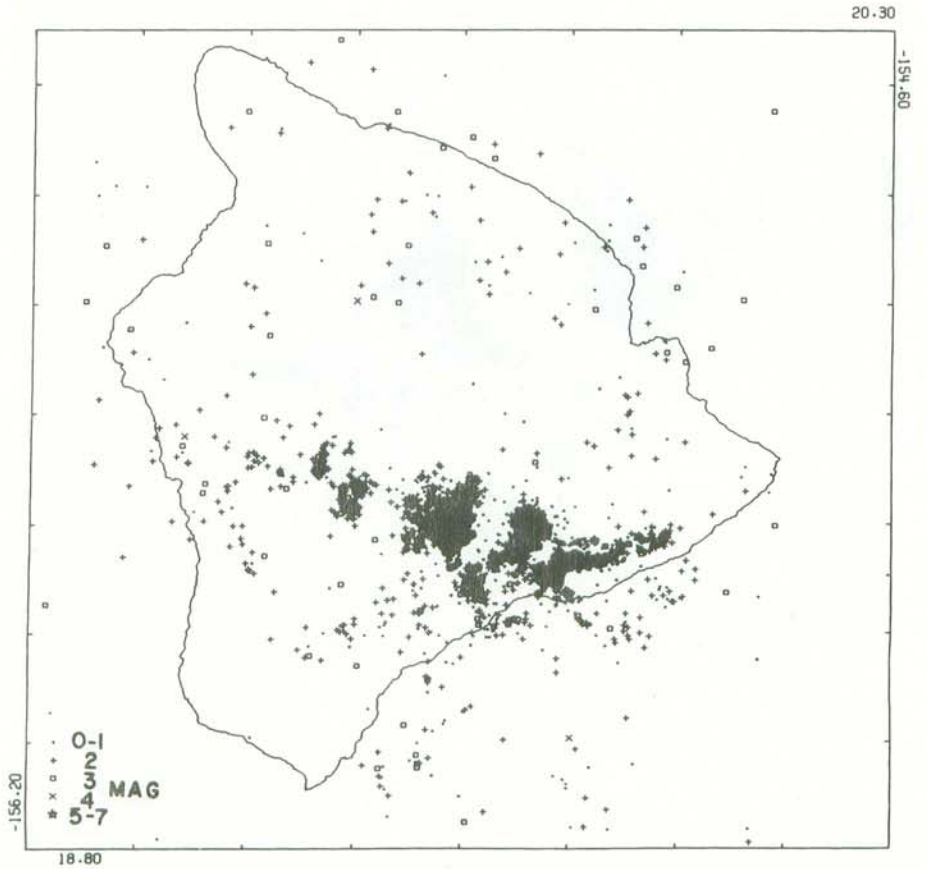

Figure 6.--Epicenter plot of all events located for the year 1974.

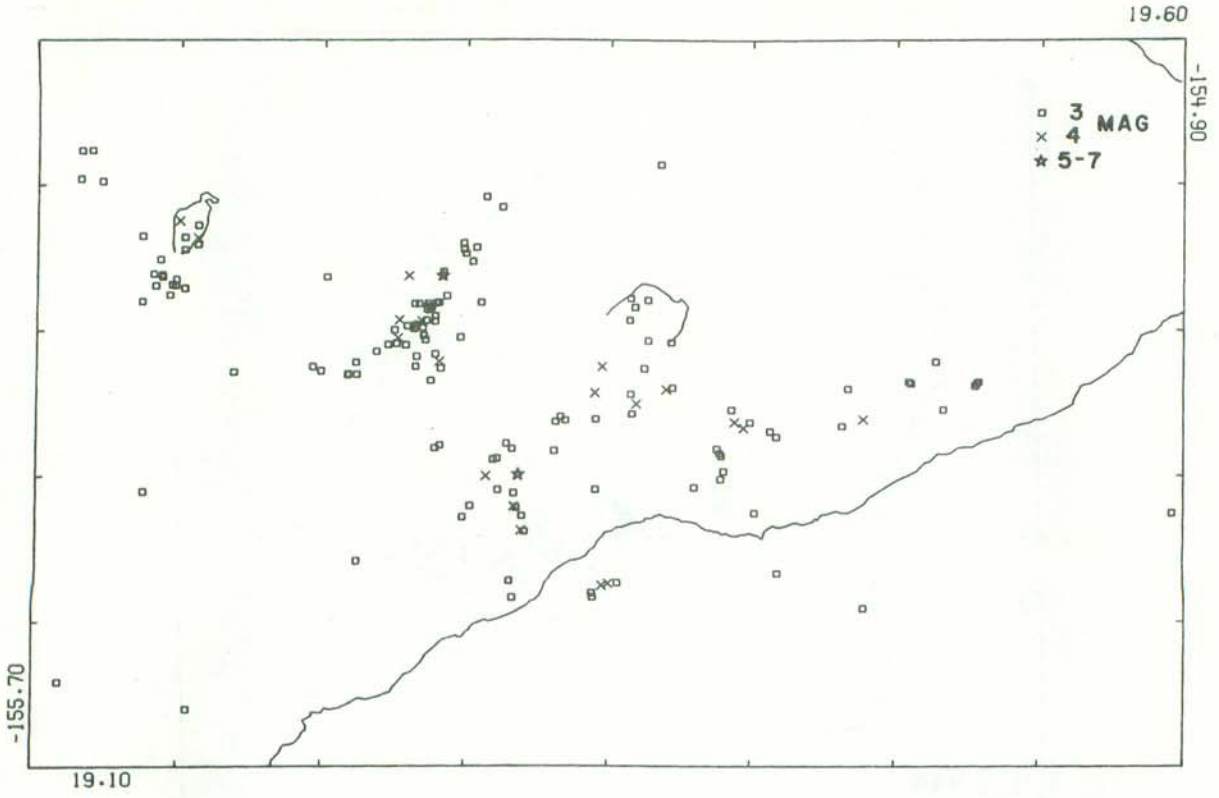

Figure 7. Epicenter plot of Mauna Loa and Kilauea earthquakes magnitude 3 and above for the year 1974.

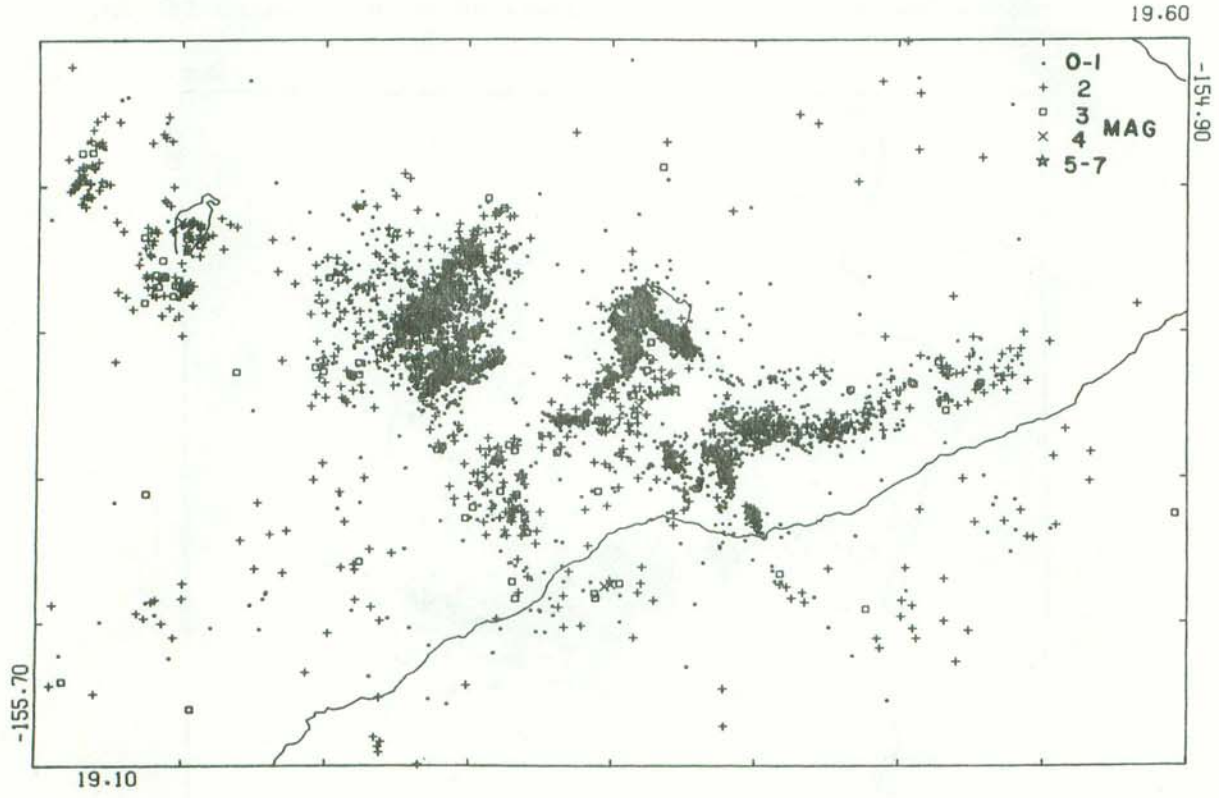

Figure 8. Epicenter plot of all Mauna Loa and Kilauea earthquakes located for the year 1974.

Table 6 .--Felt Earthquakes

Date	Time H	M	S	Magnitude	Felt Report
Jan. 2	06	27	51.6	3.8	Ainahou Ranch
8	04	54	43.5	3.7	Ainahou Ranch, Hilo
12	06	04	33.9	4.7	Kealakekua, Captain Cook, Kamuela, Honokaa, Volcano, Hilo
15	22	06	46.5	4.4	Waimea, Kealakekua, Captain Cook, Keauhou-Kona
20	10	27	50.2	3.2	South Kona
Feb. 4	18	16	54.7	4.3	Kealakekua
5	06	01	27.4	3.7	South Kona
8	01	56	39.5	3.3	Volcano, Glenwood
24	21	18	31.3	3.0	Volcano
Mar. 23	23	39	07.7	3.5	Ainahou Ranch, Mt. View, Glenwood, Hilo
27	22	58	53.6	4.0	Kahuku Ranch, Naalehu
Apr. 4	11	42	15.3	4.0	Hilo
25	02	06	55.1	4.0	Volcano, Kaiwiki, Hilo, Glenwood
30	02	44	00.4	3.2	Volcano
30	02	45	46.2	3.3	Volcano
May 5	01	37	23.9	4.5	Kona, Hilo, Volcano, Keaau, Naalehu, Kamuela, Kahuku Ranch, Waiohinu
18	06	42	30.7	2.5	Hawaii Volcanoes National Park

Table 6 .--Felt Earthquakes (Continued)

Date	Time H	Time M	Time S	Magnitude	Felt Report
Jun. 3	13	02	09.1	4.1	Glenwood, Pahala, Volcano
6	09	47	15.2	2.8	Hawaii Volcanoes National Park, Ainahou Ranch
19	05	05	42.4	4.9	Island-wide
19	05	11	13.5	3.8	Hilo, Ka'u, Volcano
19	05	33	03.6	3.7	Hilo, Ka'u, Volcano
20	20	50	26.4	4.4	Volcano, Ainahou Ranch, Hilo, Kona, Kurtistown, Glenwood, Hawaii Volcanoes National Park
23	17	32	09.1	2.9	Hawaiian Volcano Observatory
27	15	44	42.9	3.1	Hawaii Volcanoes National Park
27	15	58	24.4	2.6	Hawaii Volcanoes National Park
Jul. 11	14	17	17.6	3.2	Kealakekua
12	15	32	59.0	3.6	Kainaliu
13	06	37	46.5	3.4	Ainahou Ranch
19	04	38	48.3	3.4	Volcano
19	05	00	02.9	3.0	Volcano, Hawaii Volcanoes National Park
19	11	22	02.9	3.7	Volcano, Hawaii Volcanoes National Park
19	11	32	17.1	2.8	Hawaiian Volcano Observatory
19	16	41	48.0	4.0	Honokaa
21	18	07	50.5	3.9	Volcano, Hilo
23	18	13	02.3	3.9	Ainahou Ranch, Kapapala Ranch

Table 6.--Felt Earthquakes (Continued)

Date	Time H	M	S	Magnitude	Felt Report
Aug. 7	20	44	36.3	3.4	Kona
8	01	12	59.5	4.3	Honokaa, Hilo, Kapapala Ranch, Volcano, Kona, Puna, Hawaii Volcanoes National Park, Glenwood
12	11	26	20.5	3.8	Kapapala Ranch
17	22	52	20.1	3.8	Kona
20	22	38	23.4	3.3	Kealakekua
23	18	15	01.9	3.9	Hilo
27	21	49	40.7	4.6	Hilo, Keaau, Kurtistown, Pahoa, Honokaa, Laupahoehoe, Naalehu, Kapapala Ranch, Hookena, Holualoa, Mt. View, Volcano, Hawaii Volcanoes National Park, Pahala, South Kona, Kamuela
Sep. 17	21	56	34.2	3.3	South Kona
19	15	51	37.3	3.5	Hilo
25	20	18	49.7	3.9	Kamuela, Honokaa
Oct. 11	21	48	19.2	2.6	Hawaii Volcanoes National Park
15	08	38	05.3	4.0	Kapapala Ranch
22	18	59	49.5	2.1	Hawaii Volcanoes National Park
23	03	58	51.7	2.6	Hawaii Volcanoes National Park
26	13	20	07.1	3.7	Hilo, Hawaii Volcanoes National Park
29	18	57	32.2	3.7	Pahala
31	10	01	48.9	4.0	Hilo, Kaimu, Pahoa, Glenwood, Kalapana, Volcano
31	10	45	22.1	3.8	Hilo, Kaimu, Volcano, Puna

Table 6.--Felt Earthquakes (Continued)

Date	Time H	Time M	Time S	Magnitude	Felt Report
Nov. 9	04	46	15.7	3.2	Volcano, Hilo
10	01	53	14.7	4.1	Hilo, Volcano, Hawaii Volcanoes National Park, Onomea, Pahala, Honokaa, Napoopoo, Kamuela, Kurtistown
12	18	59	04.1	3.5	Volcano, Hawaii Volcanoes National Park
13	07	02	38.6	2.3	Ainahou Ranch
16	05	12	41.0	3.8	Napoopoo, South Kona
17 [1]	05	30	25.0	≈3.5	Captain Cook
21	21	49	14.7	4.5	Hilo, Glenwood, Volcano, Mt. View, Hawaii Volcanoes National Park, Kapapala Ranch, Pahala, Honomu, Ainahou Ranch, Kamuela, South Kona, Kealakekua
22	05	49	00.6	2.5	Kamuela
30	03	54	23.4	5.3	Island-wide
30	04	07	37.7	3.6	Kamuela, Hilo, Volcano
30	04	46	54.8	3.4	Hilo
Dec. 7	15	14	27.8	4.3	Hilo, South Kona
8	06	46	31.9	3.8	Hilo
11	00	39	05.3	3.6	Volcano
11	03	49	52.7	3.3	Hilo
12	04	01	19.1	3.8	Hilo
15	10	53	47.4	4.8	Volcano, Hawaii Volcanoes National Park, Hilo, Kapapala Ranch, Mauna Loa summit cabin, Mauna Loa Observatory

[1] No computer solution for this event.

Table 6.--Felt Earthquakes (Continued)

Date	Time H	M	S	Magnitude	Felt Report
Dec. 15	23	17	29.4	4.9	Island-wide
15	23	30	35.7	3.7	South Kona
16	09	00	55.0	3.9	Hawaii Volcanoes National Park, Kapapala Ranch, Hilo
21	08	18	03.9	4.2	Volcano, Pahala, Hawaii Volcanoes National Park, Hilo
25	07	47	49.5	4.7	Island-wide, island of Oahu
25	12	19	45.0	3.7	Volcano, Hilo
25	18	13	20.6	4.3	Hilo, Volcano, Glenwood, Mt. View, Pahala
25	18	17	10.2	4.1	Volcano, Hilo
25	18	24	14.1	4.4	Hilo, Volcano, Glenwood, Pahala
26	07	18	54.7	2.5	Volcano, Hawaii Volcanoes National Park
28	11	35	12.3	2.6	Hawaii Volcanoes National Park
28	17	02	38.1	3.9	Keauhou-Kona, Kealakekua
28	19	24	23.5	4.2	Kahuku Ranch, Volcano, Papaikou, Hilo, Glenwood, Hawaii Volcanoes National Park
29	17	22	10.6	4.1	Island-wide
30	02	51	43.9	3.6	Pahala
31	00	30	27.0	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	01	12	56.3	3.5	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	09	30	56.2	3.2	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park

Table 6.--Felt Earthquakes (Continued)

Date	Time H	Time M	Time S	Magnitude	Felt Report
Dec. 31	12	14	02.8	3.0	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	12	25	29.1	3.2	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	12	40	47.8	5.3	Island-wide; minor damage at Kapapala Ranch
31	13	06	45.0	3.0	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	13	56	37.3	3.5	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	14	39	21.8	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park, South Kona
31	14	49	13.7	4.0	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park, South Kona, Hilo
31	14	59	13.9	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	15	28	59.1	4.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park, Hilo
31	15	51	17.3	3.3	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	16	48	19.0	3.1	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	17	10	53.0	3.2	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	18	02	17.0	3.2	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park

Table 6.--Felt Earthquakes (Continued)

Date	Time H	Time M	Time S	Magnitude	Felt Report
Dec. 31	18	12	20.0	3.1	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	19	51	30.6	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	20	43	55.0	4.1	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park, and Hilo
31	20	53	24.4	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	21	24	48.2	3.4	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park
31	21	41	54.0	4.2	Volcano, Kapapala Ranch, Pahala, Hawaii Volcanoes National Park, Hilo

Dec. 31: A swarm of earthquakes accompanied and followed an eruption of Kilauea Volcano on December 31, 1974. Many hundreds of earthquakes of about magnitude 2.0 to 5.3 were felt by residents of Kapapala Ranch, Pahala, Volcano, and the Hawaii Volcanoes National Park.

TILTING OF THE GROUND AROUND KILAUEA CALDERA

Tilting of the ground around the summit of Kilauea is monitored daily by a short-base water-tube tiltmeter in Uwekahuna Vault, and at irregular intervals it is measured on a regional scale by means of a network of field tilt-bases and a portable water-tube tiltmeter. The attitude of the ground surface at each tilt-base is reported in terms of north-south and east-west tilt coordinates. Both coordinates at each station were arbitrarily set equal to 500 when measurements at that station were begun. Increasing tilt coordinates correspond to northward and eastward tilting of the earth's surface; that is, to a relative subsidence toward the north and east. A one-unit change in coordinate corresponds to a tilting of 1 microradian (1 mm per km) in the direction indicated.

Location of and essential data on each tiltmeter station are listed in Table 8.

Table 7.--Tilt Coordinates at Uwekahuna. January to December, 1974.

Date (1974)	N-S	E-W
Jan. 6	720	287
13	721	288
20	720	289
27	720	288
Feb. 3	718	293
10	718	291
17	718	292
24	719	290
Mar. 3	719	286
10	719	285
17	719	285
24	718	289
31	717	294

April 7	713	296
14	718	291
21	717	290
28	717	291
May 5	716	295
12	716	290
19	722	287
26	724	285
June 2	725	290
9	729	288
16	728	287
23	728	284
30	729	282
July 7	733	284
14	735	284
21	739	289
28	739	287
Aug. 4	739	289
11	741	387
18	745	286
25	748	286
Sept. 1	752	282
8	755	281
15	758	280
22	782	262
29	784	260

Oct. 6	786	255
13	789	251
20	793	249
27	798	248
Nov. 3	802	245
10	805	243
17	805	239
24	806	241
Dec. 1	811	238
8	817	233
15	819	232
22	822	228
29	810	248

Table 8a--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 9a)

Tilt base	Date (1974)	Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1974)
Uwekahuna (U on fig. 9a)	3 Apr	754.2	289.9	0.46	S85.2°W	14 Jan
Tree Molds (TM)	3 Apr	586.9	475.9	1.15	N43.7°W	14 Jan
Sand Spit (SS)	5 Apr	992.2	721.9	0.12	S71.6°W	15 Jan
Keamoku (Kea).	4 Apr	764.0	239.2	1.02	N55.7°E	16 Jan
Ahua Kamokukolau (Kam).	5 Apr	393.9	499.1	2.05	N66.3°W	15 Jan
Kipuka Nene (KN)	Not Occupied This Epoch					
Hilina Pali (HP)	Not Occupied This Epoch					
Kapapala Ranch (Kap).	Not Occupied This Epoch					
Mehana (M)	2 Apr	626.0	604.4	1.16	N21.4°E	14 Jan

Table 8b--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 9b)

Tilt base	Date (1974)	Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1974)
Uwekahuna (U on fig. 9b)	31 Jul	787.8	261.8	11.04	N39.9°W	3 Apr
Tree Molds (TM)	30 Jul	600.6	474.0	3.52	N 7.9°W	3 Apr
Sand Spit (SS)	6 Aug	1023.6	631.8	23.27	N70.8°W	5 Apr
Keamoku (Kea).	31 Jul	783.4	215.8	7.73	N50.3°W	4 Apr
Ahua Kamokukolau (Kam).	1 Aug	336.4	498.7	14.62	S 0.4°W	5 Apr
Kipuka Nene (KN)	Not Occupied This Epoch					
Hilina Pali (HP)	Not Occupied This Epoch					
Kapapala Ranch (Kap).	Not Occupied This Epoch					
Mehana (M)	30 Jul	630.4	610.8	1.96	N55.5°E	2 Apr

Table 8c--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 9c)

Tilt base	Date (1974)	Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1974)
Uwekahuna (U on fig. 9c)	1 Oct	820.4	232.4	21.24	N42.0°W	31 Jul
Tree Molds (TM)	1 Oct	609.6	475.8	4.37	N11.3°E	30 Jul
Sand Spit (SS)	2 Oct	976.9	701.8	44.29	S56.3°E	6 Aug
Keamoku (Kea).	2 Oct	813.9	182.5	21.50	N47.5°W	31 Jul
Ahua Kamokukolau (Kam).	2 Oct	299.4	519.7	20.58	S29.6°E	1 Aug
Kipuka Nene (KN)			Not Occupied This Epoch			
Hilina Pali (HP)			Not Occupied This Epoch			
Kapapala Ranch (Kap).			Not Occupied This Epoch			
Mehana (M)	1 Oct	632.9	613.1	1.62	N42.6°E	30 Jul

Table 8d--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 9d)

Tilt base	Date (1975)	Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1974)
Uwekahuna (U on fig. 9d)	14 Jan	711.0	296.6	36.24	S30.4°E	1 Oct
Tree Molds (TM)	14 Jan	550.9	490.5	17.29	S14.1°E	1 Oct
Sand Spit (SS)	15 Jan	922.0	755.3	21.90	S44.3°E	2 Oct
Keamoku (Kea).	16 Jan	735.0	293.2	38.47	S54.5°E	2 Oct
Ahua Kamokukolau (Kam).	15 Jan	508.6	595.0	63.53	N19.8°E	2 Oct
Kipuka Nene (KN)	17 Jan	259.1	520.1	2.66	S52.3°E	17 Jan
Hilina Pali (HP)	28 Jan	398.1	526.8	6.22	S33.4°E	17 Jan
Kapapala Ranch (Kap).	16 Jan	579.9	448.0	10.67	N37.9°W	16 Jan
Mehana (M)	14 Jan	619.7	587.8	8.15	S62.4°W	1 Oct

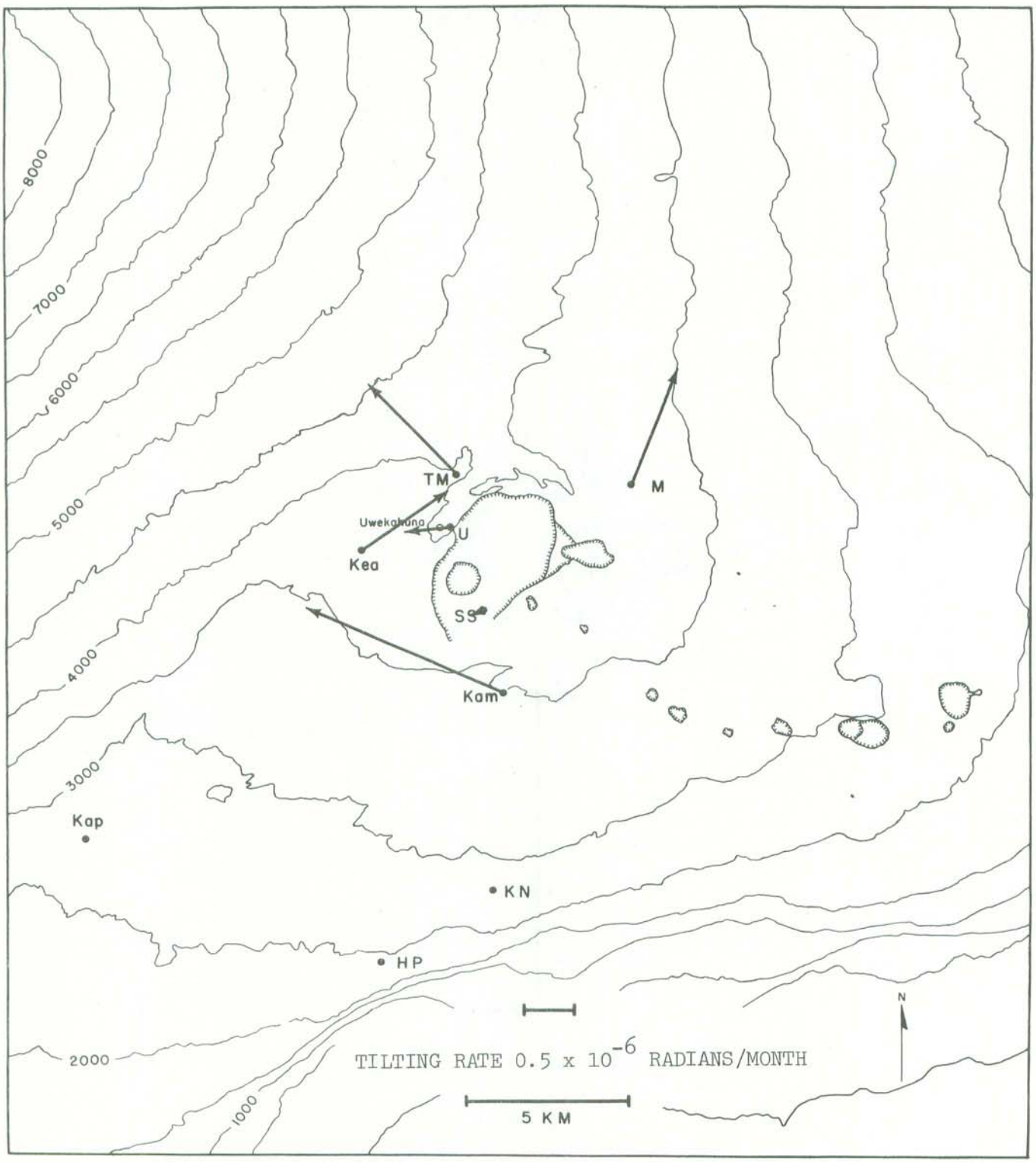

Figure 9a.--January to April 1974 tilting of the ground around Kilauea Caldera. The vector depicting at a given tilt base points in the direction of maximum relative subsidence, and its length is proportional to the rate of tilting during the measurement interval. Closed circles represent field tilt bases; open circles, short-base watertube tiltmeters. See Table 8a for explanation of abbreviations.

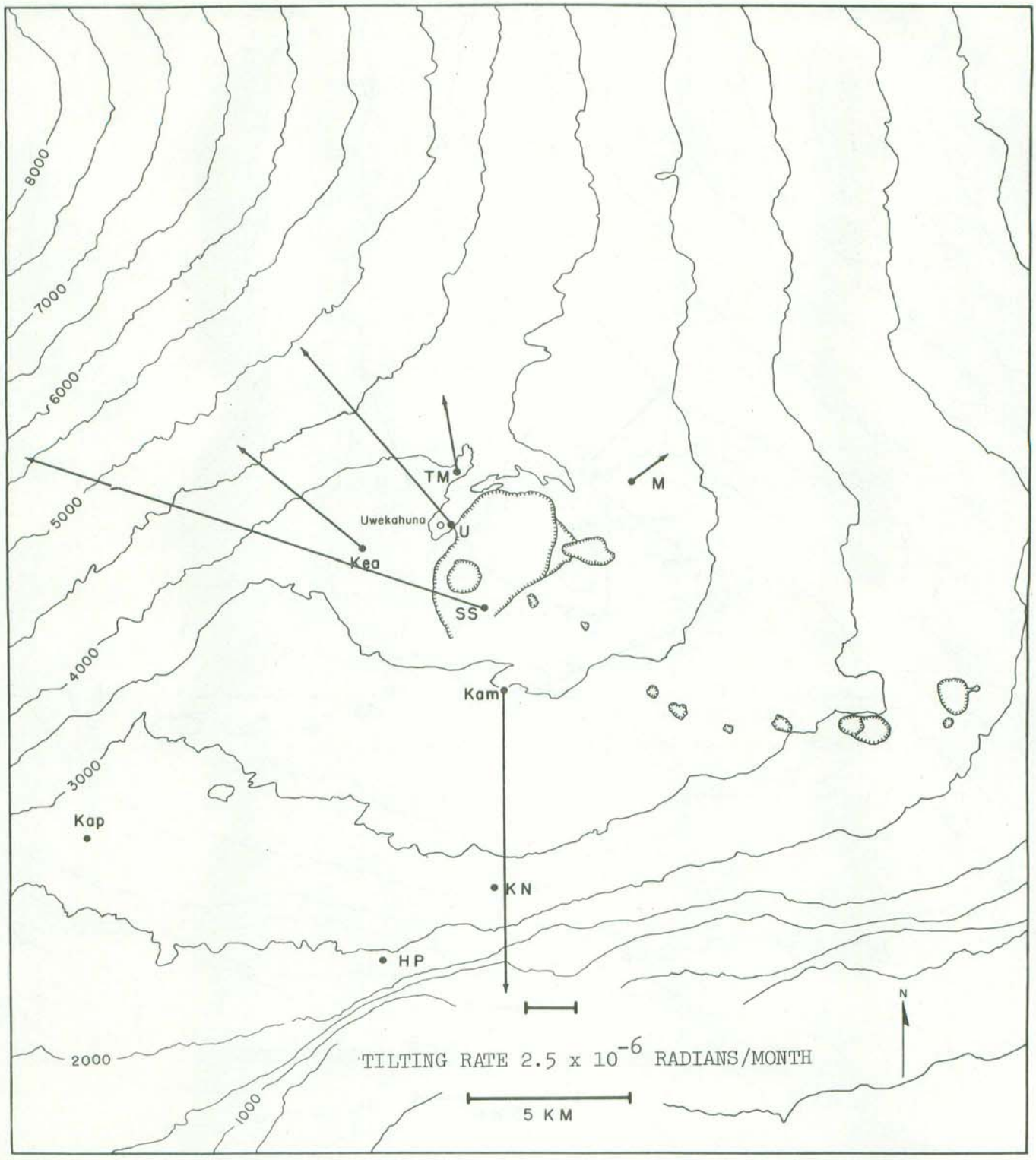

Figure 9b.--April to July 1974 tilting of the ground around Kilauea Caldera.

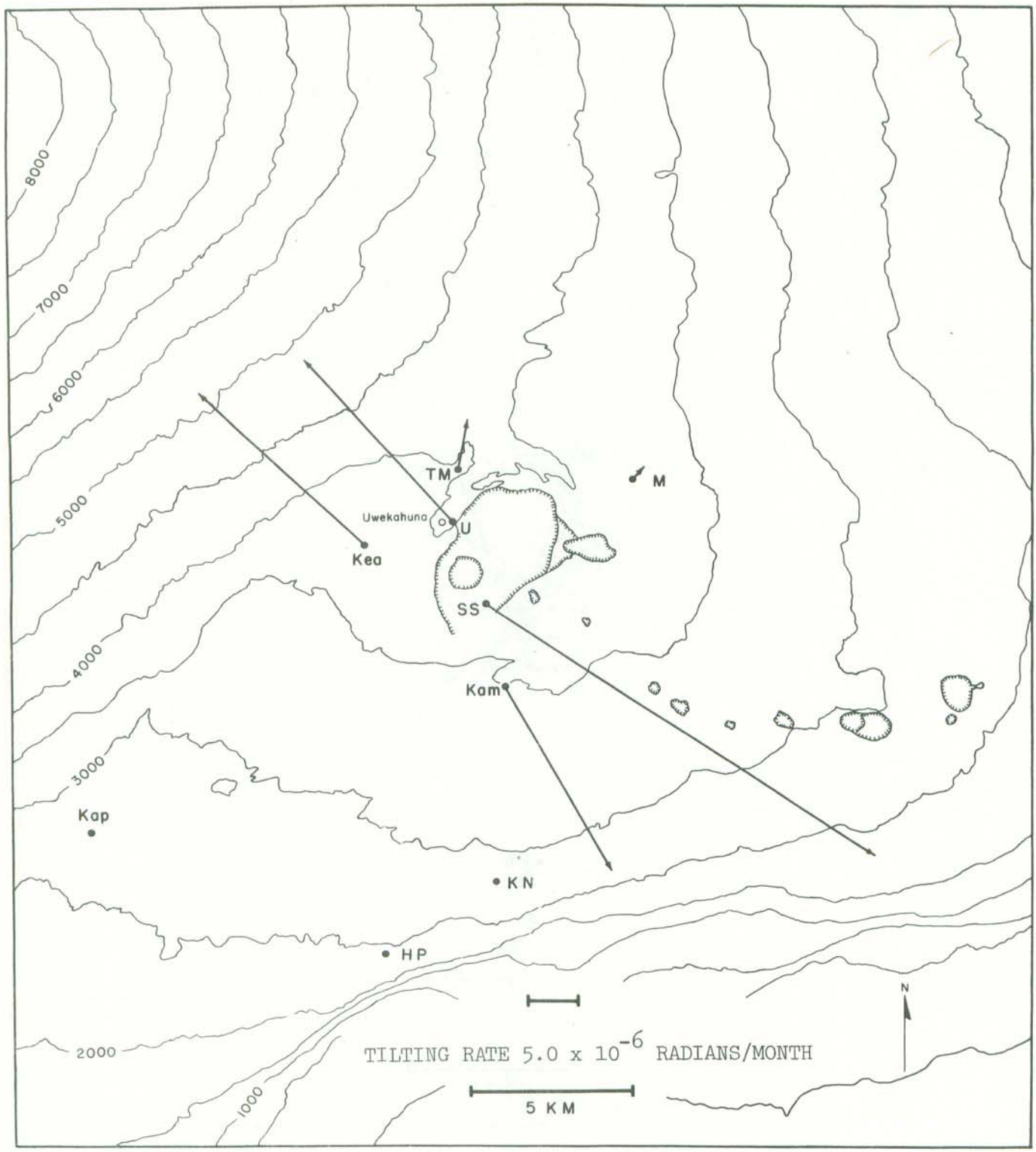

Figure 9c.--July to October 1974 tilting of the ground around Kilauea Caldera.

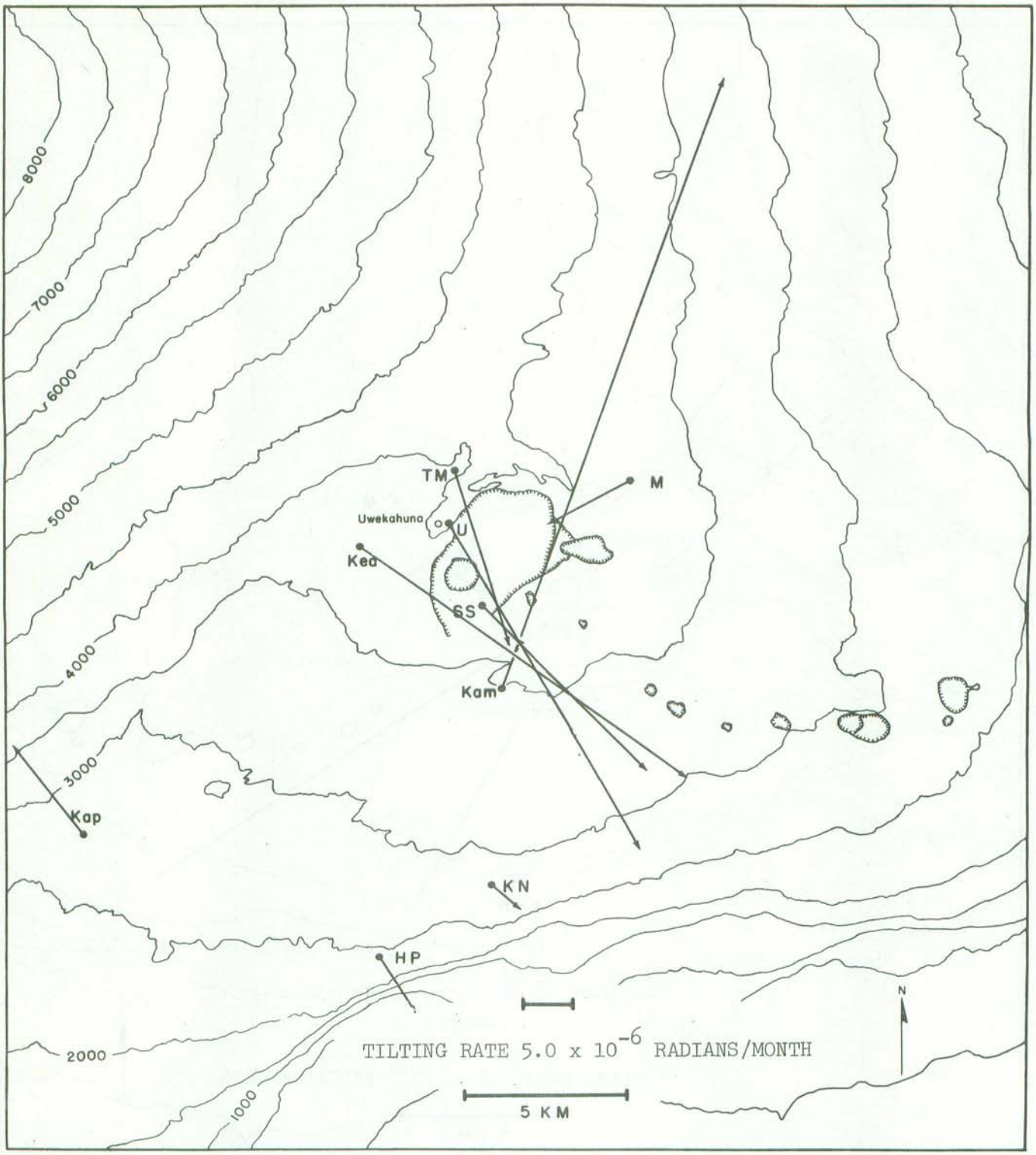

Figure 9d.--October 1974 to January 1975 tilting of the ground around Kilauea Caldera.

Table 9.--U.S. Geological Survey water-tube tiltmeter stations in Hawaii

Station	Symbol	Location		Frequency of reading	Base length M	Description
		Lat. N. Deg. Min.	Long. W. Deg. Min.			
Tree Molds	TM	19 - 26.3	155 - 17.3	Quarterly	50.79	NS. and EW.
Sand Spit	SS	19 - 24.1	155 - 16.8	---do---	25.40	Equilateral triangle.
Keamoku	Kea	19 - 25.1	155 - 19.0	---do---	47.55	do
Ahua Kamokukolau	Kam	19 - 22.7	155 - 16.6	---do---	50.79	do
Kipuka Nene	KN	19 - 19.4	155 - 16.7	---do---	47.73	do
Hilina Pali	HP	19 - 18.2	155 - 18.6	---do---	47.73	do
Kapapala Ranch	Kap	19 - 20.5	155 - 23.8	---do---	50.79	do
Mehana	M	19 - 26.2	155 - 14.3	---do---	25.00	do
Uwekahuna	U	19 - 25.5	155 - 17.4	---do---	50.79	do
Uwekahuna Vault		19 - 25.4	155 - 17.6	Daily	3.48	NS. and EW.

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