Hawaiian Volcano Observatory
1971 Quarterly Administrative reports

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

Compiled By Jennifer S. Nakata

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January, February, and March 1971
By Robert Y. Koyanagi, Elliot T. Endo, and Arnold T. Okamura

Chronological Summary By W. A. Duffield

January-March 1971 Leveling at Kīlauea and Tabulated Comparisons with Previous Data
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Chronological Summary By Robert L. Christiansen

Open-File Report 2007-1331
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

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INTRODUCTION

1971 marks the second year of a cooperative effort by the U. S. Geological Survey's National Center for Earthquake Research (NCER) and the Hawaiian Volcano Observatory to publish quarterly summaries on a regular basis. The usefulness of the summary has often been questioned. It is hoped that constant improvements and the timely publication of summaries will obviate this question. With the continued expansion of the Observatory's seismic net it is obviously important to maintain a readily available reference to serve as a guide for detailed analysis of the large volume of data being collected. As such a reference an attempt is made to document as accurately as possible seismometer station lists, instrumentation, parameters used for preliminary data analysis, changes in tilt, and the chronology of events for the quarter. In addition when the opportunity is presented, detailed descriptions of other Observatory projects will be published.

The Observatory seismic net has been undergoing a significant expansion in size and a marked improvement in the quality of instrumentation. More stations have been added to the net or updated using preamp/voltage controlled oscillators for seismic telemetry (cable or FM radio). All the telemetered stations are recorded side by side along with the Uwekahuna chronometer and the WWVH radio trace, on a single 16 mm film strip on a Develocorder located at the Observatory. The stability in timing at the few outstations in the net have also been improved substantially by the replacement of old pendulum clocks with more stable crystal controlled chronometers. As a result of the continued improvements the volume and quality of usable recorded seismic data has increased both in the number of stations available for each earthquake and in the total number of earthquakes that are sufficiently well recorded to be located.

Seismogram readings are punched on computer cards to provide an input deck for use in a slightly modified version of the location program HYPOLAYR (Eaton, 1969), which generates an output deck summarizing the solution of each event. The output deck is a convenient source of material for further analyses of the earthquakes, and the input deck is saved for possible reanalysis. Starting in the first quarter of 1971, a velocity-depth model based on refraction studies by Hill (1969) is used in the determination of hypocenters (as tabulated below).

Velocity model used for locating earthquakes in Hawaii

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	

For future summaries, as has been done in this quarter, an attempt will be made to limit changes in the methods of analysis or computer program parameters to the first quarter and appropriately described in the first summary of the year. On the other hand, an effort will be made to continually improve the format and also to simplify the process of preparing the summaries so that the summaries are rapidly available as a reference.

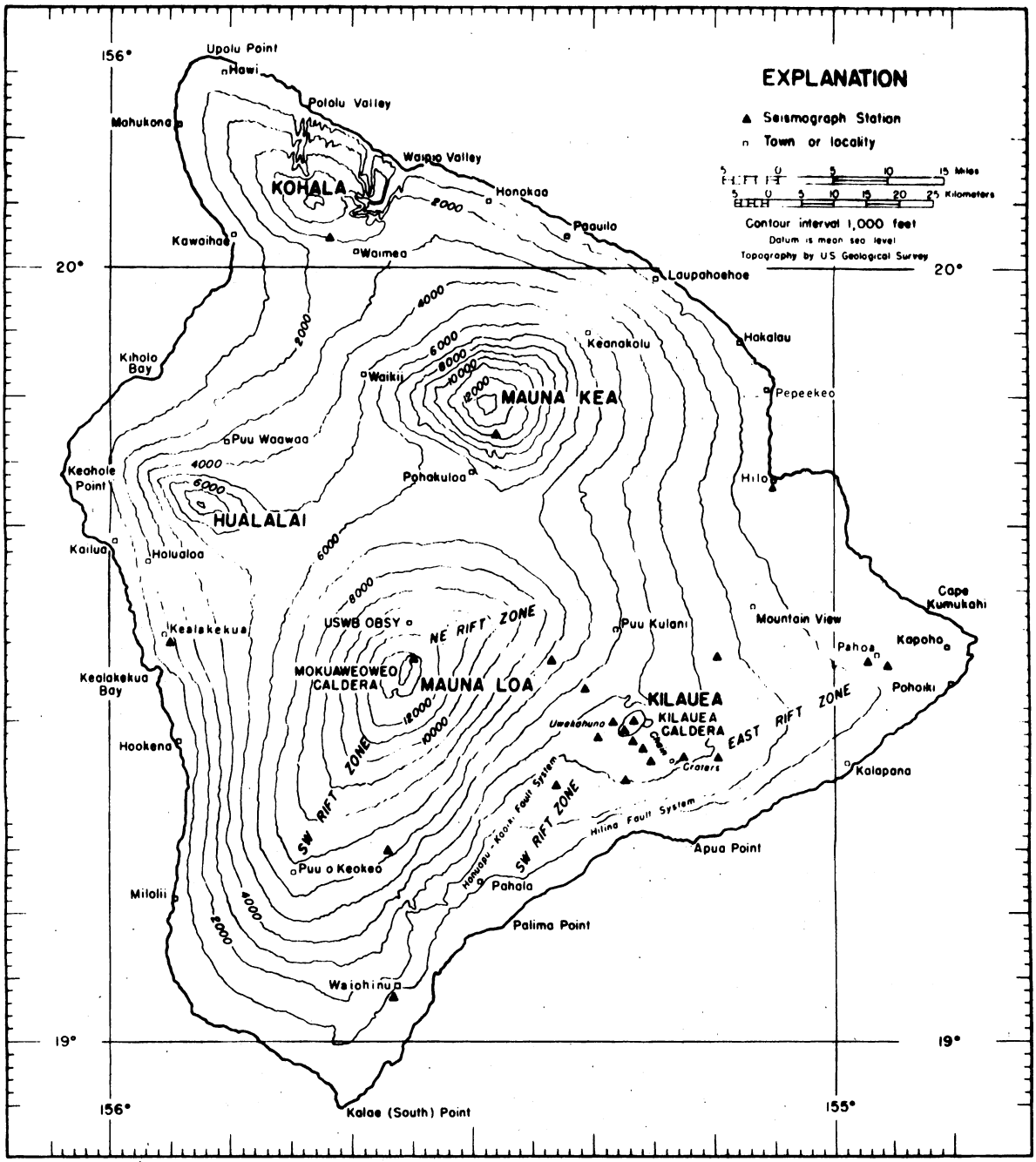

Figure 1.--Map of the Island of Hawaii showing seismograph stations operated by the U.S. Geological Survey, principal settlements, and selected geologic features. Epicenters of local earthquakes are given in Table 10 in terms of geographic coordinates, which are indicated at the edges of the map.

CHRONOLOGICAL SUMMARY

JANUARY-MARCH 1971 (1st quarter of 1971)

The Mauna Ulu eruption continued throughout this quarter in much the same manner as during the preceding 6 months. A brief outbreak in late January and early February from a new vent west of Mauna Ulu was the only major departure from the general pattern of activity on Mauna Ulu's east flank.

The quarter began with a comparative lull in activity. The lava lake in the summit crater (by now sufficiently widened by rock falls to make obsolete the term, fissure) of Mauna Ulu remained 25-35 m below the rim, and no lava was visible along the chain of vents to the east. The last remaining bridge along this chain collapsed on January 2, leaving a talus-mantled collapse trench more than 300 m long and 15-25 m deep (Figure 2).

The lull ended on January 14, when the trench became filled with a stream of lava flowing eastward and spilling over its banks. Some of these overflows reached the floor of the subsidence bowl in Alae Crater. At times the lava took part in the familiar rise-fall cycle, centered at the site of the engulfed December 20 collapse pit (see last summary). During this interval of trench activity, the lake in the summit crater rose to within 12-15 m of the rim. By January 21, lava had drained from the trench except for a small pool of bubbling lava at the site of the December 20 pit. Lava was, however, moving in conduits below the floor of the trench, for lava continued to pour through the old tube system into the Alae holding reservoir. Small flows fed by outlet tubes from Alae spilled into Makaopuhi Crater on January 23 and over Poliokeawe and Holei Palis on January 24.

These flows continued until January 28, when a new vent opened on Mauna Ulu's lower west flank, causing an abrupt change in pattern. Low fountains issued from a 650 m-long fissure that crossed the buried Chain of Craters road 50 m east of the west edge of the 1969-70 lava field (Figure 2). This outbreak continued until February 10 and fed flows that eventually built a low satellitic shield over the site of most persistent activity at the east end of the fissure. New flows covered several square kilometers south of the fissure, in places ponding against the scarp along Kalanaokuaiki Pali.

Activity on the east flank of Mauna Ulu resumed immediately after the new outbreak had ended. On February 11, a vigorous flow was pouring into the Alae subsidence bowl, which had already filled with new lava. Over the next several days a wide area was covered by lava that spilled from Alae (Figure 2). This surface flow stopped between February 18 and 20, although lava continued to pour out of Alae through the tube system.

A new subsidence bowl resulted from this continued withdrawal and is described by Swanson and Peterson (1972).

During most of the January 28 - February 10 outbreaks, the lava lake in Mauna Ulu's summit crater continued its slow circulation and cyclic rise-fall action apparently unrelated to the activity on the west flank. On February 7-9, the lake rose to within 3 m of the crater rim, but by February 11, when the east-flank activity had resumed, it had dropped to its usual depth of 15-20 m below the rim. Lake level continued to drop slowly throughout March and, by the end of the quarter, fluctuated between depths of 40 and 55 m.

On February 22, a new lava stream, fed by the outlet tube from Alae, plunged over Poliokeawe and Holei Palis. It then pooled at the base of the palis, crossed the Chain of Craters road, and continued slowly toward the sea, finally reaching it near the Hawaiian village site of Kealakomo on March 8. Lava continued to enter the sea for the rest of the month, slowly building a lava delta outward away from the old shoreline. This delta and its formation are described by Moore and others (1973).

Throughout March, no lava could be seen in the trench on Mauna Ulu's east flank, but it could be heard flowing and bubbling beneath the rubbly trench floor. By the end of March, the trench was about 350 m long and varied from 15 to 50 m in depth. The trench was growing westward, and the summit crater eastward, because of rockfalls; on March 23 the bridge separating them was 50 m wide but by March 28 had narrowed to only 12 m wide.

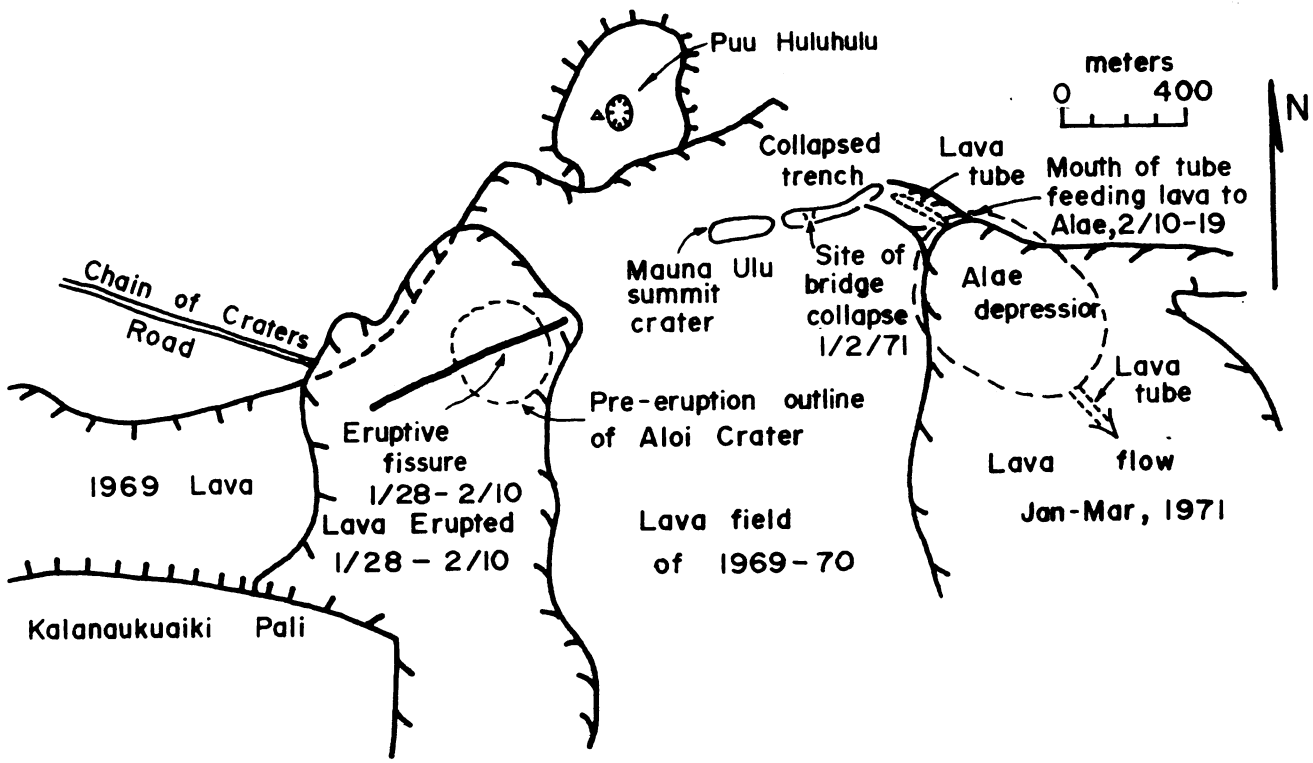

Figure 2.--Sketch map showing relative location of major events in the Mauna Ulu-Alae area, January to March 1971. All locations and lava flow outlines are approximate.

January-March 1971 leveling at Kilauea and tabulated comparisons with previous data

by

R. T. Okamura and D. A. Swanson

An extensive leveling survey was conducted at Kilauea in January, February, and early March 1971. A line was run from the Hilo tide gage to Kilauea summit along Highway 11, and from the summit to Kupapau tide gage and BM 10 at Kalapana Protestant Church via two routes, the Chain of Craters road and the Kalapana trail. In addition, numerous benchmarks in the summit area were occupied. Figure 3 shows the location of all benchmarks used. Precise locations for benchmarks established in 1958 or earlier are given in a report by Yamamoto (1957-1958), which can be obtained from either the Topographic Division of the U.S.G.S. or from the Volcano Observatory. Locations of benchmarks installed since 1958, including reset older benchmarks, are on file at the Volcano Observatory.

Two crews working simultaneously were used for the Hilo-Kilauea summit run and in the summit area; one crew did the rest. Each crew used a Zeiss Ni2 pendulum level and yard rods with invar strips. In general, procedures as outlined by Karren (1959) and the U. S. Geological Survey (1966) were followed in the field. For most of the leveling, the same rod was sighted first from each setup (that is, foresights were made before backsights about half the time) in order to minimize small systematic errors, a procedure suggested by J. P. Church. Both levels were peg-tested at least once a day to a tolerance of 0.003 ft, and both seemed to be quite stable. Foresights and backsights were generally balanced. The pendulum housing was tapped before each reading, quite vigorously during rainy or misty periods when the pendulum has a greater chance of sticking. The three-wire method of observation was used exclusively. In almost every case, the same rod was used for a foresight and the accompanying backsight, thereby cancelling any rod index errors; when different rods were used, a rod-index correction was made if significant.

Field books are on file at the Volcano Observatory. The notes were completely checked and recomputed in the office as the leveling progressed and at a subsequent time. Major discrepancies in elevation differences when compared with previous leveling were immediately checked, and in only one case was an error in the 1971 leveling detected; thus the large elevation differences indicate either errors in the previous leveling or more generally, real vertical displacement. Orthometric corrections were applied, using the technique given by the U. S. Geological Survey (1966), based on the Hilo datum. These corrections were small, reaching a maximum of 0.045 ft at Hilina triangulation station.

Rod pairs T232964-T232965 and T232966-T232967 were used; these rods were loaned by the Topographic Division of the U.S.G.S., courtesy of J. P. Church. Six months after the field work, the rods were checked for length by the Topographic Division in Washington, D. C. using a calibrated

invar tape known to be accurate throughout within 1 part in 30,000. The invar in the tape is the same as that of the rods, so temperature corrections were unnecessary. That part of each rod between the 0.2 and 3.9 yard graduations was checked; the error between the surface of the footplate and the 0.2 graduation, the rod index error, was also measured. The length of the calibration tape was corrected for the 4 pounds of tension applied to it during measurement of the rod. Two measurements of each rod interval were made, each by a different individual, and the results were averaged.

The results of these tests are shown in Table 1 and Figure 4. All four rods are too long, so that the true height above the ground is more than the rod reading and a positive correction must be added to the reading. The error is not proportional to the length of the rods; if it were, a rod correction could be computed by multiplying the difference of elevation between two benchmarks by a constant based on the mean excess length. Because the error is not proportional, each rod reading should be corrected individually. This was done for several typical benchmark intervals, but was too time-consuming to be done for all the data.

The method of Karren (1959) was used for making the rod corrections. The average backsight and foresight per interval were computed in yards by dividing the sum of the thread readings by the product of the number of setups times 3 (to convert from feet to yards). The mean rod correction for the average backsight was obtained from the appropriate graph (Figure 4, A or B), as was the mean correction for the average foresight. The difference between the mean corrections was then computed, with due regard to the signs. Since the rods are all long, the sign of the correction for an uphill interval is positive if the backsight correction is more than the foresight correction and negative if less; for downhill intervals, the sign of the correction is positive if the foresight correction is more than the backsight correction and negative if less. If the signs are positive, then the difference in elevation between the backsight and foresight benchmarks is increased; if the signs are negative, the difference in elevation is decreased. Usually the signs are positive, because the upper part of the rods generally is in error by more than the lower part. Once the difference in backsight and foresight corrections had been obtained, this difference was multiplied by the number of instrument setups to give the total correction to be applied to the elevation of the foresight benchmark. The results using this method checked closely with those from the intervals for which each rod reading was corrected individually.

As an example of this method, assume that the raw difference in elevation going from BM 1 to BM 2 is -169.058 ft, BM 1 being higher than BM 2. There were 26 setups between the benchmarks, and the sum of the backsight and foresight thread readings is 63.309 ft and 232.367 ft, respectively. Thus, the average backsight and foresight readings, in yards, are .812 and 2.979, respectively. Rod pair T232966-T232967 was used, and Figure 4B shows that the mean correction to the average backsight is .00070 ft, and to the average foresight is .00115 ft. The difference between these corrections is .00045 ft, and the sign is

positive since the foresight correction is greater than the backsight correction and the route is downhill. The number of setups (26) times the difference in corrections (+.00045) is .012, and this added to the difference in elevation of 169.058 gives a final difference of 169.070, which means that BM 2 is 169.070 ft below BM 1.

No average backsight or foresight during the leveling was significantly less than 0.2 yd, the datum for the rod calibration; the average shots slightly less than 0.2 yd were considered to have no error. No average sight was more than 3.9 yds.

Rod corrections significantly reduced the closure error in the several circuits in the network. For example, the long, 28.36 mi loop defined by the Kalapana trail and the Chain of Craters road closed -0.215 ft before rod corrections and -0.150 ft after corrections.

The rod corrections are based on the assumption that the rods did not change length during the leveling. There is no way to check this, but consideration of the type of rod makes this assumption seem reasonable. No corrections for length changes because of varying temperature were applied during the leveling, but these corrections would be minor because of the very small coefficient of expansion of the invar.

Closure adjustments were made after correcting for rod error by applying a correction proportional to the distance from the start of the circuit. Elevations on spur lines are based on the adjusted elevation at the tie point.

All loops closed to within second order tolerance (0.035 ft times the $\sqrt{\text{length of section in miles}}$). Many short, unclosed spur lines were run, and the long line from Hilo to the summit was also not closed; these lines are technically of third-order accuracy. However, many selected portions of the Hilo-summit run were releveled, both in flat and steep terrain, and comparison of the results suggests that this leveling is of second-order quality, despite the lack of a closed loop.

Table 2 lists the elevations of all benchmarks in the 1971 leveling network before and after rod corrections. The datum is USC&GS tidal benchmark E 2 in Hilo, which was assumed to have an elevation of 7.936 ft, in order to facilitate comparison with earlier work (Rappleye, 1929; Karren, 1959). Recent measurements between BM 4, the USC&GS primary tidal benchmark a short distance from E 2, suggest that the elevation of E 2 should be lowered by 0.016 ft to an elevation of 7.920 ft. Since E2 is located on busy Pier 1, which is subject to considerable heavy truck traffic, it is not surprising that it should subside; moreover, benchmark F 2, located farther out on the pier, is known to be subsiding (Karren, 1959; table 3 of this paper). However, BM 4 is located in the concrete footpad for a large water tower, and it seems likely that it may change elevation slightly as a result of the water load in the tower, although level lines run periodically by the USC&GS to a nearby tide gage suggest that such movement is small. Probably this spurious change would

be in the sense of lowering its elevation and all elevations based on it, although the water level in the tank may fluctuate and cause the elevation to do likewise. In short, the datum E 2 is probably slowly subsiding but this cannot be proved and in any event would not seriously affect any comparison of the 1971 survey to previous surveys.

Table 3 shows a comparison in meters of first-order leveling in 1926, second- and third-order leveling in 1957-58, and the present leveling. The data from the previous surveys are taken from Rappleye (1929), Karren (1959), and Yamamoto (1957-58). Several benchmarks were reset after 1958; data for transferring the reset elevation to the original elevation are listed in Table 8.

In 1965, R. W. Decker supervised a leveling crew that installed and occupied many benchmarks along the Chain of Craters road from near Kilauea summit to BM 10, at the Kalapana Protestant Church. The notebooks are filed at the Volcano Observatory. The equipment was similar to that used in 1971. The invar rods (numbers 299 and 315) were not checked for length errors. These same rods have been used by the Volcano Observatory since then and in April 1971 were calibrated by the Topographic Division in the same manner as described earlier. Table 4 and Figure 5 give the results for the pair 299-315, as well as the pair 260838-260839, a frequently used pair of rods at the Volcano Observatory but not used in any leveling quoted in this report. It is not known how much, if any, rods 299 and 315 were in error in 1965. On the assumption that the corrections in 1971 were applicable in 1965, Decker's leveling has been examined and rod corrections applied, using the method described earlier. Table 5 shows a comparison of the final 1971 and 1958 elevations with the 1965 elevations before and after rod corrections, using the 1958 U.S.G.S. elevation of 10.812 ft at BM 10 as the datum.

In February 1921, R. M. Wilson leveled from Keaau (BM 359.3) to Volcano House Flag via Kalapana. Over the course of the next year he leveled in the vicinity of the summit of Kilauea, and in January-February 1922 he ran a line from Keaau to Crater Hotel (since destroyed), which allowed closure of the circuit containing the February 1921 line. This leveling is discussed by Wilson (1935) and Karren (1959); the notebooks and related memoranda are on file at the Topographic Division of the U.S.G.S. in Menlo Park, California. The leveling is probably of poor quality for the reasons given by Karren (1959). In particular, the problem of incorrect rod length is of utmost importance. The wooden rods used in 1921-22 were long and changed length repeatedly (Wilson, 1935). Wilson applied a proportional correction based on the most recently measured length of the rods for a particular period of leveling. This method is valid only if the error of a rod is proportional to its length, a dubious assumption and one that would give somewhat erroneous results if applied to the 1958 and 1971 leveling. However, this type of correction for Wilson's rods is probably better than no correction at all.

We have recomputed the 1921 leveling between BM 10 (Kalapana Protestant Church) and BM 2738, south of Makaopuhi Crater. This leveling was done between February 4 and 9, 1921. The rod lengths were measured

on February 8, apparently under field conditions of humidity and temperature. The tape Wilson used for the measurement of the rods was later found to be long by .0008 ft in 9 ft; that is, at 9 ft the tape read only 8.9992 ft. Wilson realized this but did not take it into account when making his rod corrections. We have recomputed the rod corrections based on the corrected tape. Thus, as measured on February 8, 1921, rod A 9 was long by 0.0076 ft in 9 ft and rod 42 was long by 0.0051 in 9 ft. The mean of these errors is +0.00635 ft/9 ft, which is the rod correction to be applied proportionally to the 1921 raw data between BM's 10 and 2728. In addition, we recomputed Wilson's collimation corrections more precisely than he had done, taking into account curvature and refraction.

Table 6 shows the 1921 raw data and our corrections. Table 7 compares the 1921, 1958, and 1971 elevations holding BM 10 at the 1958 elevation of 10.812 ft.

The 1921-22 line from Keaau via Kalapana closed 0.488 ft low at Crater Hotel relative to the direct Keaau-Crater Hotel line. After Wilson's rod and collimation corrections, the closure was 1.940 ft low. Karren (1959) used this to cast doubt on the reliability of Wilson's method of correction, which should have reduced the closure error. However, it is important to take into account the timing of the surveys. The line via Kalapana was run in February 1921 during continuous eruption in Halemaumau; this is typically a time of summit stability, a conclusion based on knowledge acquired over the last 20 years. Beginning in March 1921, the magma column withdrew in Halemaumau, and throughout the next year it fluctuated greatly in height. This time, clearly one of instability in the magma column, could well have been accompanied by substantial ground deformation. The direct run from Keaau to Crater Hotel was not made until January-February 1922, almost a full year after the 1921 leveling, and it is quite possible that the summit area was considerably higher than in early 1921. In this regard, it is notable that a flank eruption occurred in Makaopuhi Crater in May 1922, shortly after the 1922 survey; usually such flank eruptions are preceded by long periods of summit uplift. Thus, the closure error in Wilson's circuit may not be as bad as it seems, although it still should be emphasized that the 1921-22 leveling was of poor quality and should be used with caution. We feel that the differences between the 1921, 1958, and 1971 surveys along the short Kalapana trail are large enough to indicate important vertical displacements. These displacements will be interpreted by Swanson and colleagues in future publications.

We thank Jack P. Church of the Topographic Division of the U.S.G.S. for his interest, advice and patience in dealing with all our questions and requests. Virtually all members of the Volcano Observatory took part on survey crews, and the Kilauea Job Corps contributed rodmen at times. CDR Moran, Ensign Lilley and Mr. Stanley Shibuya of the Coast and Geodetic Survey (then ESSA) showed us the Hilo tide gage and nearby benchmarks.

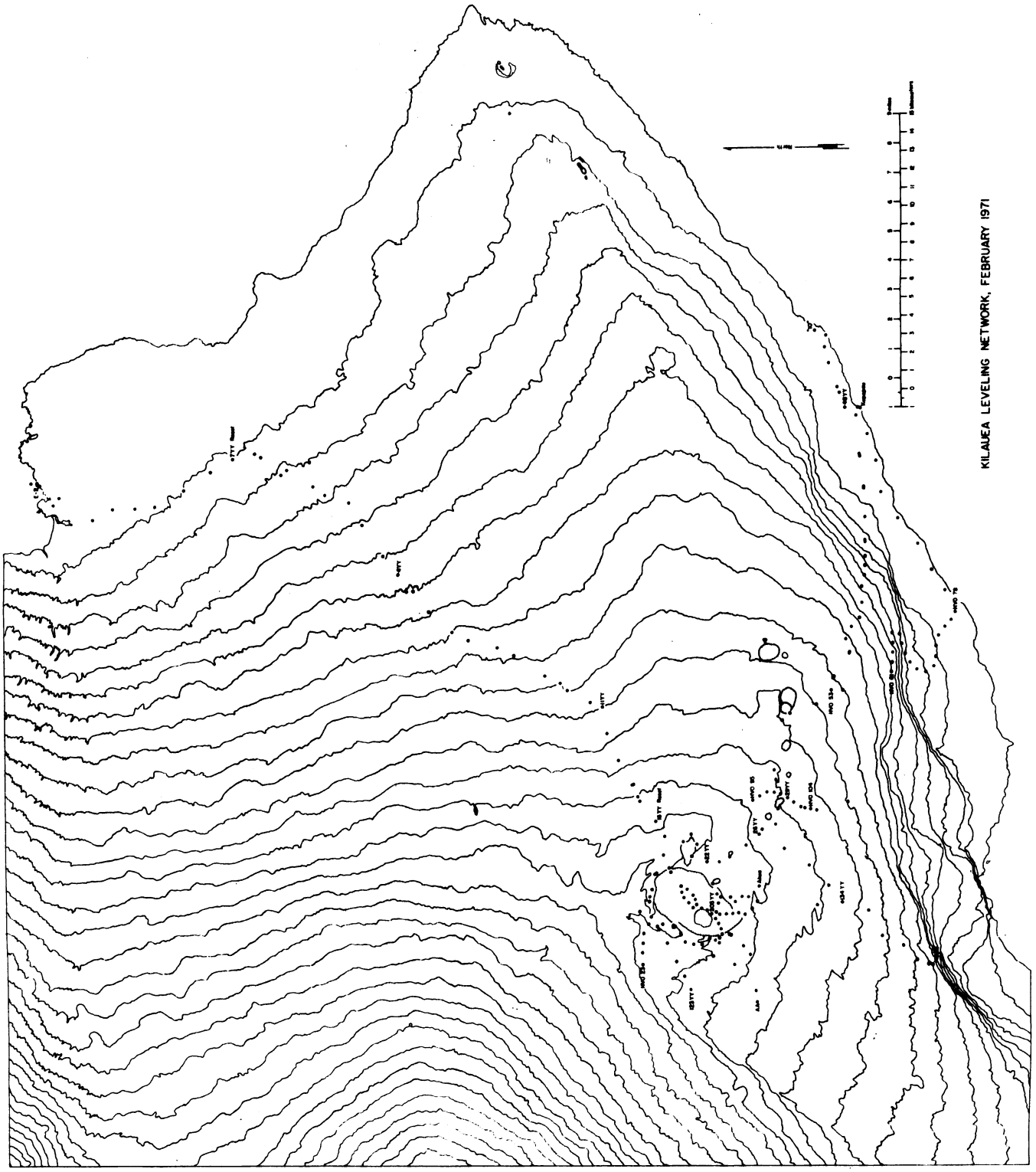

Figure 3.--Location of all benchmarks and leveling routes used in the January-March 1971 leveling on Kilauea.

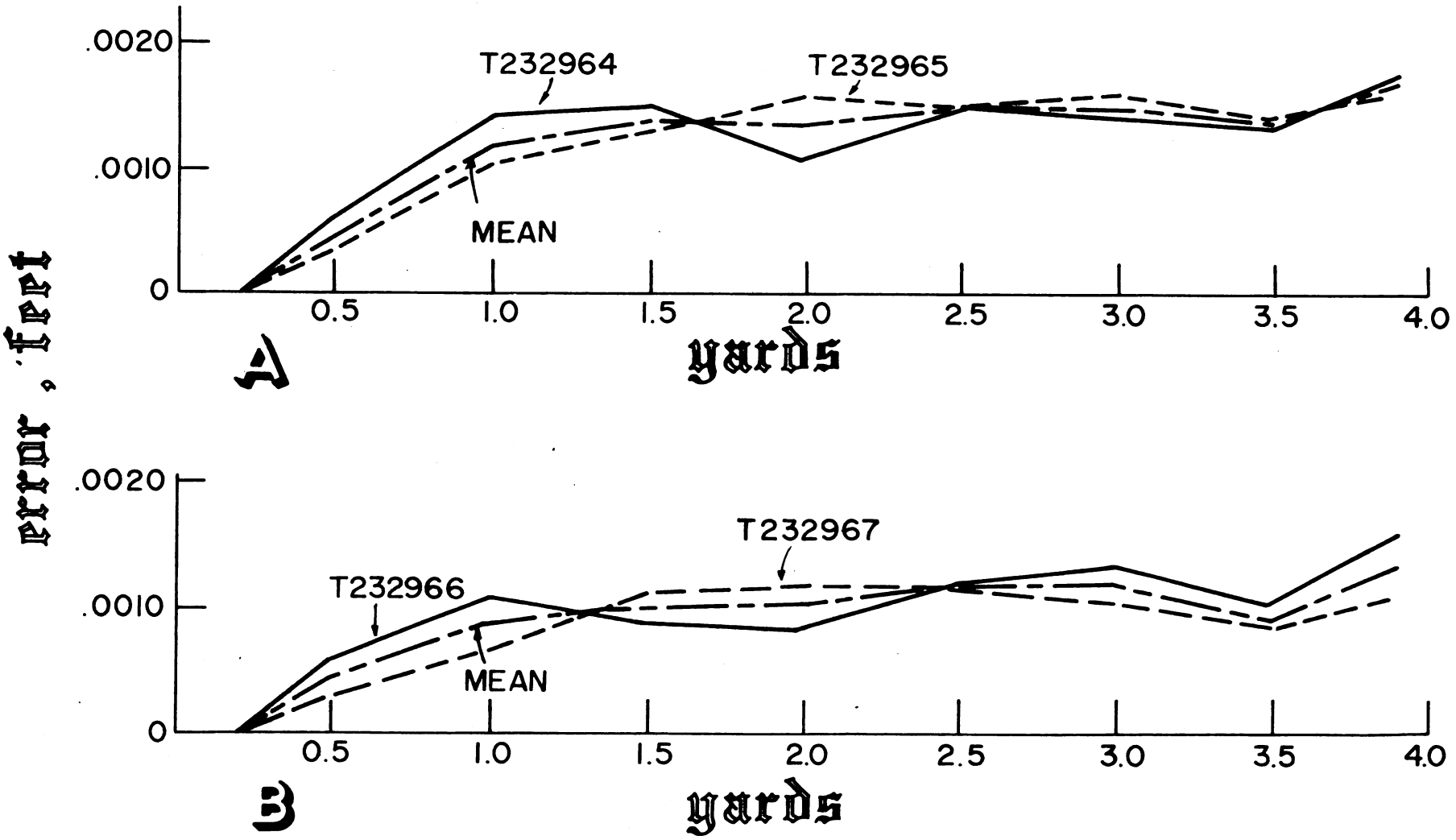

Figure 4.--Graphs used in determining rod corrections for rod pairs T232964-T232965 and T232966-T232967. These rods were used in the 1971 leveling. See text and Table 1.

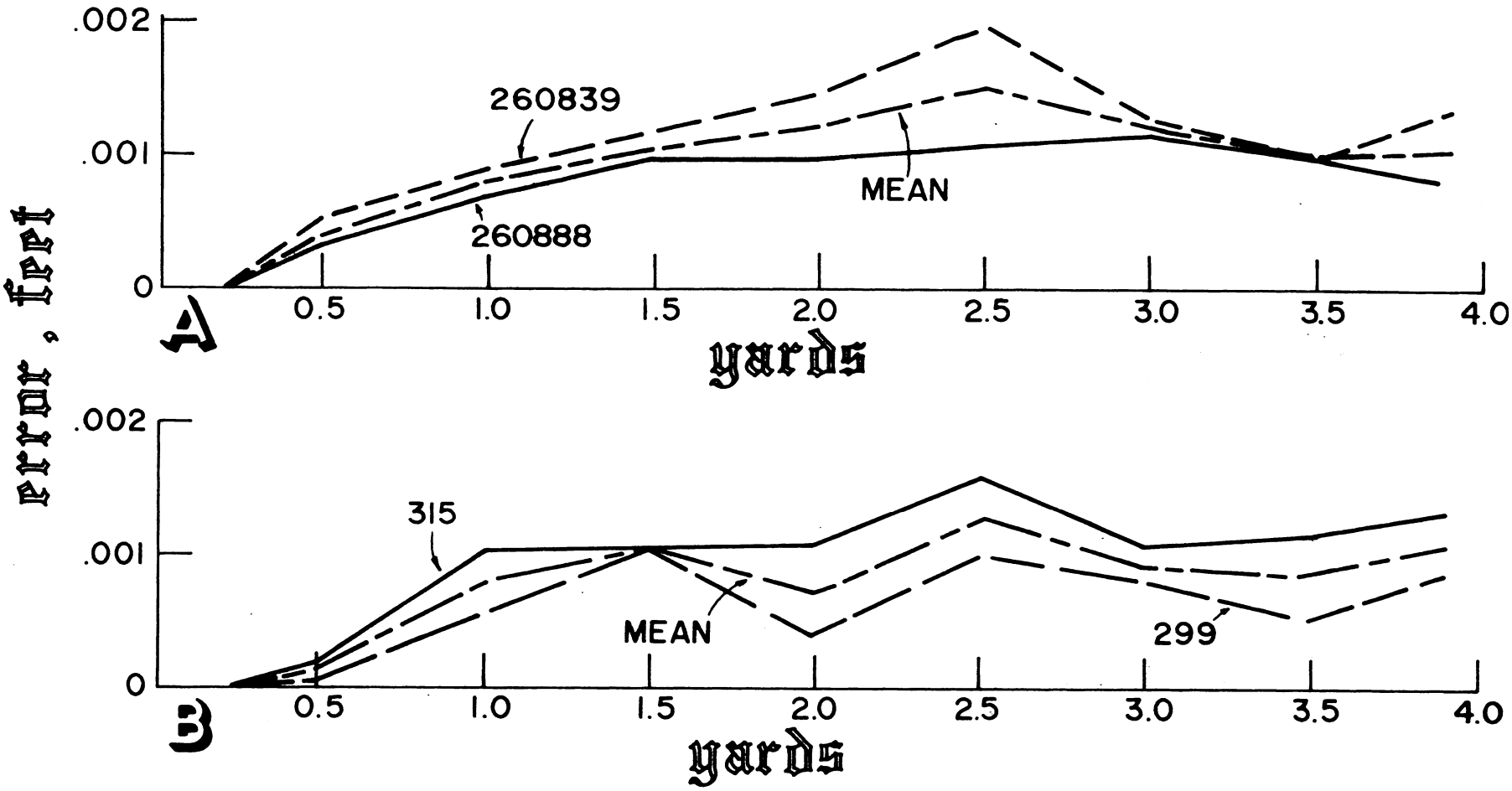

Figure 5.--Graphs used in determining rod corrections for rod pairs 260838-260839 and 299-315. These rods are currently used at the Volcano Observatory, and 299-315 were the rods used during the 1965 leveling by R. W. Decker. See text and Table 4.

Table 1.--Data for correcting rods used in 1971 leveling.

Calibrated at 73°F on August 5, 1971.

Correction in feet.

Rod reading, in yards	T232964	T232965	T232966	T232967
0.2	0	0	0	0
0.5	+.00064	+.00032	+.00060	+.00027
1.0	+.00141	+.00113	+.00108	+.00071
1.5	+.00153	+.00130	+.00090	+.00113
2.0	+.00114	+.00158	+.00086	+.00122
2.5	+.00150	+.00150	+.00118	+.00120
3.0	+.00140	+.00158	+.00132	+.00107
3.5	+.00130	+.00142	+.00105	+.00085
3.9	+.00178	+.00165	+.00160	+.00112
Rod index error	+.00150	+.00125	+.00125	+.00100

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft.

B.M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
U.S.E. Pier 1	7.518	7.518	2.291
F 2	7.656	7.656	2.334
E 2	7.936	7.936	2.419
D 2	8.444	8.444	2.574
A-100 1967	11.683	11.683	3.561
5.83	5.959	5.959	1.816
5.79	5.922	5.922	1.805
TBM Airport	31.194	31.196	9.509
3YY 1957	42.631	42.632	12.994
4YY 1957	110.415	110.423	33.657
5YY 1957	147.788	147.799	45.049
B 2 (1926)	198.095	198.111	60.384
6YY 1957 reset	244.683	244.701	74.585
A 2 (1926)	277.894	277.913	84.708
7YY 1957 reset 1971	278.391	278.410	84.860
Z 1 (1926) reset 1963	327.776	327.798	99.913
359.3	359.373	359.398	109.545
8YY 1957	561.091	561.135	171.034
Keaau Trig.	604.630	604.676	184.306
1 YY 1958	650.995	651.046	198.439
Y 1 (1926)	690.352	690.406	210.436
2 YY	881.717	881.793	268.771

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
3 YY	1043.480	1043.575	318.082
1266	1266.366	1266.486	386.026
4YY	1397.859	1398.002	426.112
W1 reset 1948	1530.474	1530.637	466.539
5YY	1723.855	1724.044	525.490
2002	2002.347	2002.586	610.389
V1 (1926) reset 1967	2119.361	2119.618	646.061
6YY 1958 reset 1967	2155.467	2155.725	657.066
7YY 1958 reset 1967	2224.713	2224.979	678.175
U 1 (1926) reset 1967	2358.677	2358.962	719.013
8YY	2474.910	2475.210	754.445
9YY	2486.815	2487.115	758.074
10YY	2681.077	2681.410	817.295
11YY	2751.352	2751.697	838.719
12YY	2892.887	2893.255	881.866
13YY	3157.061	3157.471	962.399
14YY	3417.383	3417.828	1041.756
15YY	3413.454	3413.899	1040.558
S 1 (1926)	3521.804	3522.262	1073.588
3565	3565.646	3566.105	1086.951
16YY 1958 reset 1968	3722.791	3723.271	1134.855
17YY 1958 reset 1962	3826.939	3827.433	1166.604
90YY 1958 reset 1962	3874.696	3875.194	1181.161

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B.M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
94YY 1968 reset 1962	4022.820	4023.328	1226.313
95YY	4000.798	4001.305	1219.600
NPS 3999.67	3999.936	4000.443	1219.337
120YY	3931.079	3931.580	1198.348
121YY	3807.601	3808.088	1160.708
122YY	3696.974	3697.450	1126.985
123YY	3641.223	3641.694	1109.991
96YY	3992.377	3992.884	1217.033
HVO 25	3965.225	3965.729	1208.757
HVO 24	3967.226	3967.730	1209.366
P 1 (1926)	3950.444	3950.947	1204.251
HVO 23	3907.481	3907.980	1191.155
HVO 26	4026.672	4027.182	1227.487
HVO 27	4079.219	4079.735	1243.506
4076	4076.717	4077.232	1242.743
Uwekahuna Trig.	4087.947	4088.463	1246.166
HVO 28	4007.244	4007.750	1221.565
203YY	3943.546	3944.047	1202.148
HVO 29	3880.106	3880.600	1182.809
204YY	3779.009	3779.489	1151.991
117YY	3743.231	3743.705	1141.084
118YY	3737.945	3738.419	1139.472

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
Cracks Trig.	3724.737	3725.209	1135.446
Pali Trig.	3747.965	3748.439	1142.526
Cone Peak Trig.	3653.344	3653.811	1113.684
127YY	3363.073	3363.518	1025.202
Aa Trig.	3348.858	3349.302	1020.869
Sand Hill Trig.	3701.048	3701.519	1128.225
HVO 119	3701.349	3701.820	1128.317
129YY	3605.813	3606.279	1099.196
Nose Trig.	3551.511	3551.973	1082.644
HVO 30	3726.012	3726.485	1135.835
HVO 31	3654.057	3654.521	1113.900
HVO 32	3645.417	3645.881	1111.267
HVO 33	3671.096	3671.564	1119.095
205YY	3639.191	3639.657	1109.370
Sand Spit Trig.	3647.991	3648.457	1112.052
HVO 36	3625.505	3625.970	1105.198
111YY	3620.212	3620.677	1103.585
HVO 37	3602.469	3602.933	1098.176
112YY	3563.990	3564.449	1086.446
HVO 38	3484.704	3485.157	1062.278
113YY	3495.116	3495.570	1065.452
Ahua Kam. Trig.	3557.093	3557.554	1084.345

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
114YY	3547.446	3547.906	1081.404
HVO 39	3600.229	3600.693	1097.493
115 YY	3647.003	3647.470	1111.751
HVO 40	3687.742	3688.213	1124.170
Keanakakoi Trig.	3690.675	3691.146	1125.064
HVO 41	3621.144	3621.609	1103.869
HVO 42	3617.573	3618.038	1102.780
HVO 43	3695.532	3695.995	1126.541
HVO 44	3550.431	3550.890	1082.313
110YY	3551.064	3551.523	1082.506
HVO 45	3538.785	3539.243	1078.763
109YY	3525.477	3525.934	1074.707
108YY	3501.321	3501.777	1067.344
HVO 46	3531.093	3531.550	1076.419
HVO 47	3545.097	3545.555	1080.687
HVO 48	3567.491	3567.951	1087.514
HVO 49	3592.660	3593.121	1095.185
HVO 34	3632.759	3633.225	1107.409
HVO 35	3636.795	3637.261	1108.639
TBM (nail)	3661.893	3662.362	1116.290
HVO 10	3674.048	3674.517	1119.995
22YY	3721.623	3722.096	1134.497

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
23YY	3641.624	3642.089	1110.111
24YY	3623.314	3623.779	1104.530
25YY	3522.036	3522.490	1073.657
26YY	3431.371	3431.818	1046.020
3390	3384.639	3385.080	1031.774
27YY	3283.439	3283.866	1000.924
28YY	3270.688	3271.115	997.038
29YY	3231.605	3232.030	985.125
131YY	3303.091	3303.527	1006.917
132YY	3272.655	3273.090	997.640
133YY	3218.705	3219.137	981.195
Ohale (3314)	3312.014	3312.451	1009.637
134YY	3153.364	3153.793	961.278
135YY	2927.731	2928.128	892.495
136YY	2829.199	2829.591	862.461
137YY	2627.677	2628.040	801.028
138YY	2465.853	2466.202	751.700
139YY	2282.624	2282.950	695.845
Hilina Trig.	2249.428	2249.752	685.726
HVO 98	3244.530	3244.955	989.064
HVO 97	3249.183	3249.608	990.482
3269	3267.797	3268.224	996.157

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
HVO 96	3330.516	3330.949	1015.275
HVO 95	3393.067	3393.506	1034.343
HVO 99	3211.252	3211.675	978.920
HVO 101	3189.968	3190.390	972.433
HVO 103	3200.689	3201.113	975.701
HVO 104	3152.139	3152.559	960.902
HVO 105	3076.556	3076.968	937.862
2746	2749.355	2749.746	838.124
Q 1 (1926)	4015.413	4015.920	1224.055
93YY	3999.886	4000.391	1219.322
HVO 143	3984.558	3985.062	1214.649
92YY	3943.562	3944.059	1202.152
3973	3972.645	3973.143	1211.016
Vol. H. Flag (Spike)	3970.208	3970.705	1210.273
Observatory Trig.	3979.664	3980.162	1213.156
HVO 87	3953.306	3953.801	1205.121
18YY	3874.308	3874.799	1181.041
19YY	3917.767	3918.259	1194.288
20YY	3834.953	3835.434	1169.043
21YY	3763.791	3764.267	1147.351
3440	3443.585	3444.031	1049.743
Puu Huluhulu Trig. R.M.1	3441.803	3442.249	1049.200

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.963 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
P.H. Trig., top of pipe	3445.440	3445.887	1050.308
T-129A	3089.507	3089.911	941.807
T-12	3040.183	3040.579	926.770
120	3011.776	3012.169	918.111
34YY	2999.746	3000.139	914.444
Makaopuhi Wall	2922.912	2923.297	891.023
2728	2736.818	2737.193	834.298
HVO 53	2558.602	2558.963	779.973
2503	2505.862	2506.216	763.896
36YY	2504.982	2505.336	763.628
2302	2305.397	2305.738	702.790
37YY	2299.777	2300.118	701.077
38YY	2305.060	2305.401	702.688
39YY	2136.936	2137.262	651.439
40YY	1919.966	1920.278	585.302
1638	1641.108	1641.399	500.299
41YY	1441.268	1441.549	439.385
42YY	1252.100	1252.371	381.723
1082	1083.045	1083.303	330.191
43YY	927.983	928.231	282.925
44YY	559.861	560.084	170.714
557	558.375	558.598	170.261

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
352	352.045	352.258	107.368
45YY	168.186	168.389	51.325
167	167.620	167.823	51.153
46YY	76.326	76.523	23.324
64	64.278	64.474	19.652
48YY	19.745	19.935	6.076
34	34.884	35.074	10.691
49YY	41.580	41.770	12.732
50YY	42.990	43.180	13.161
51YY	32.312	32.502	9.907
10	10.930	11.120	3.389
Hakuma Trig.	61.815	62.008	18.900
HVO 86	15.120	15.309	4.666
HVO 13	10.266	10.455	3.187
Kupapau Trig.	24.298	24.487	7.464
HVO 85	37.046	37.234	11.349
HVO 84	34.573	34.758	10.594
HVO 83	42.630	42.813	13.049
HVO 82	73.003	73.184	22.307
HVO 81	62.057	62.236	18.970
HVO 80	65.178	65.354	19.920
HVO 79	46.219	46.392	14.140

Table 2.--1971 elevations, before and after rod corrections, based on 1958 elevation for E 2 of 7.936 ft (cont'd).

B. M.	Elevation before rod correction ft	Final elevation after rod correction ft	m
HVO 78	83.057	83.230	25.369
HVO 77	113.787	113.962	34.736
HVO 76	148.346	148.523	45.270
HVO 75	160.542	160.718	48.987
HVO 74	264.774	264.962	80.761
HVO 73	374.518	374.716	114.214
HVO 72	465.154	465.358	141.841
HVO 71	566.265	566.478	172.663
HVO 70	660.760	660.982	201.468
HVO 69	787.779	788.012	240.187
HVO 68	913.911	914.158	278.636
HVO 67	1031.888	1032.145	314.598
HVO 66	1146.323	1146.591	349.482
HVO 65	1300.593	1300.875	396.507
HVO 64	1429.747	1430.043	435.878
HVO 162	1383.985	1384.291	421.933
HVO 63	1530.564	1530.873	466.611
HVO 62	1655.097	1655.414	504.571
HVO 61	1781.349	1781.678	543.057
HVO 54	2489.681	2490.037	758.965

Table 3. Comparison of elevations, in meters, for leveling surveys of 1926, 1958, and 1971. Datum is benchmark E 2, near the Hilo tide gage.

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
U.S.E. Pier 1		2.306	2.291		-.015	
F 2	2.432	2.350	2.334	-.082	-.016	-.098
E 2	2.419	2.419	2.419	0	0	0
D 2	2.566	2.573	2.574	+.007	+.001	+.008
5.83	1.804	1.808	1.816	+.004	+.008	+.012
5.79	1.792	1.798	1.805	+.006	+.007	+.013
3YY 1957		12.975	12.994		+.019	
4YY 1957		33.635	33.657		+.022	
5YY 1957		45.022	45.049		+.027	
B 2 (1926)	60.390	60.358	60.384	-.032	+.026	-.006
6YY 1957		74.473	74.483		+.010	
A 2 (1926)	84.682	84.673	84.708	-.009	+.035	+.026
Z 1 (1926)	100.011	99.995	100.018	-.016	+.023	+.007
359.3	109.522	109.521	109.545	-.001	+.024	+.023
8YY 1957		171.013	171.034		+.021	
Keaau Trig.		184.383	184.306		-.077	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
1YY 1958		198.418	198.439		+.021	
Y 1 (1926)	210.424	210.410	210.436	-.014	+.026	+.012
2YY 1958		268.748	268.771		+.023	
3YY		318.059	318.082		+.023	
1266	386.014	386.009	386.026	-.005	+.017	+.012
4YY		426.094	426.112		+.018	
W 1 reset 1948	466.539	466.520	466.539	-.019	+.019	0
5YY		525.483	525.490		+.007	
2002	610.400	610.385	610.389	-.015	+.004	-.011
V 1 (1926)	646.199	646.042	646.034	-.157	-.008	-.165
6YY		658.092	658.080		-.012	
7YY		685.043	685.023		-.020	
U 1 (1926)	715.571	715.558	715.557	-.013	-.001	-.014
8YY		754.450	754.445		-.005	
9YY		758.079	758.074		-.005	
10YY		817.280	817.295		+.015	
11YY		838.694	838.719		+.025	
12YY		881.839	881.866		+.027	
13YY		962.364	962.399		+.035	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
14YY		1041.734	1041.756		+.022	
15YY		1040.537	1040.558		+.021	
S 1 (1926)	1073.548	1073.554	1073.588	+.006	+.034	+.040
3565		1086.917	1086.951		+.034	
16YY		1134.856	1134.897		+.041	
17YY		1165.843	1165.797		-.046	
90YY		1182.063	1182.119		+.056	
94YY		1226.322	1226.449		+.127	
95YY		1219.455	1219.600		+.145	
120YY		1198.202	1198.348		+.146	
121YY		1160.573	1160.708		+.135	
122YY		1126.863	1126.985		+.122	
123YY		1109.887	1109.991		+.104	
96YY		1216.909	1217.033		+.124	
P 1 (1926)	1204.155	1204.202	1204.251	+.047	+.049	+.096
4076		1242.540	1242.743		+.203	
Uwekahuna Trig.		1245.979	1246.166		+.187	
203YY		1201.925	1202.148		+.223	
204YY		1151.671	1151.991		+.320	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
117YY		1140.696	1141.084		+.388	
118YY		1139.072	1139.472		+.400	
Cracks Trig.		1135.033	1135.446		+.413	
Pali Trig.		1142.200	1142.526		+.326	
Cone Peak Trig.		1113.327	1113.684		+.357	
127YY		1025.004	1025.202		+.198	
Aa Trig.		1020.729	1020.869		+.140	
Sand Hill Trig.		1127.754	1128.225		+.471	
129YY		1098.765	1099.196		+.431	
Nose Trig.		1082.249	1082.644		+.395	
205YY		1109.450	1109.370		-.080	
Spit Trig.		1111.734	1112.052		+.318	
111YY		1103.146	1103.585		+.439	
112YY		1085.972	1086.446		+.474	
113YY		1064.902	1065.452		+.550	
Ahua Kam. Trig.		1084.107	1084.345		+.238	
114YY		1080.835	1081.404		+.569	
115YY		1111.274	1111.751		+.477	
Keanakakoi Trig.		1125.034	1125.064		+.030	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
110YY		1082.738	1082.506		-.232	
109YY		1074.900	1074.707		-.193	
108YY		1067.186	1067.344		+.158	
22YY		1134.256	1134.497		+.241	
23YY		1109.902	1110.111		+.209	
24YY		1104.259	1104.530		+.271	
25YY		1073.385	1073.657		+.272	
26YY		1045.782	1046.020		+.238	
3390		1032.333	1031.774		-.559	
27YY		1002.136	1000.924		-1.212	
28YY		997.354	997.038		-.316	
29YY		985.125	985.125		0	
131YY		1009.048	1006.917		-2.131	
132YY		998.426	997.640		-.786	
133YY		983.087	981.195		-1.892	
134YY		960.337	961.278		+.941	
135YY		892.034	892.495		+.461	
136YY		862.168	862.461		+.293	
137YY		800.900	801.028		+.128	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
138YY		751.642	751.700		+.058	
139YY		695.827	695.845		+.018	
3269		995.889	996.157		+.268	
Q 1 (1926)	1223.962	1223.995	1224.055	+.033	+.060	+.093
93YY		1219.200	1219.322		+.122	
92YY		1202.017	1202.152		+.135	
3973	1210.833	1210.861	1211.016	+.028	+.155	+.183
Observatory Trig.		1212.978	1213.156		+.178	
18YY		1180.943	1181.041		+.098	
19YY		1194.188	1194.288		+.100	
20YY		1168.934	1169.043		+.109	
21YY		1147.242	1147.351		+.109	
3440		1048.827	1049.743		+.916	
34YY		911.711	914.444		+2.733	
2728		832.547	834.298		+1.751	
2503		762.650	763.896		+1.246	
36YY		762.380	763.628		+1.248	
2302		701.964	702.790		+.826	
37YY		700.254	701.077		+.823	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
38YY		701.778	702.688		+.910	
39YY		650.722	651.439		+.717	
40YY		584.772	585.302		+.530	
1638		499.828	500.299		+.471	
41YY		438.967	439.385		+.418	
42YY		381.379	381.723		+.344	
1082		329.887	330.191		+.304	
43YY		282.640	282.925		+.285	
44YY		170.465	170.714		+.249	
557		170.014	170.261		+.247	
352		107.188	107.368		+.180	
45YY		51.195	51.325		+.130	
167		51.023	51.153		+.130	
46YY		23.232	23.324		+.092	
64		19.559	19.652		+.093	
48YY		5.964	6.076		+.112	
34		10.584	10.691		+.107	
49YY		12.625	12.732		+.107	
50YY		13.061	13.161		+.100	

Table 3, continued

B.M.	1926	1958	1971	1926-1958	1958-1971	1926-1971
51YY		9.814	9.907		+.093	
10		3.296	3.389		+.093	
Hakuma Trig.		18.807	18.900		+.093	
Kupapau Trig.		7.390	7.464		+.074	

Table 4.--Data for correcting rods used for most leveling at Kilauea since 1965.

Rods 299 and 315 were used during the 1965 leveling.

Calibrated at 74°F on April 15, 1971

Correction in feet

Rod reading, in yards	299	315	260838	260839
0.2	0	0	0	0
0.5	+.0001	+.0002	+.0003	+.0005
1.0	+.0006	+.0011	+.0007	+.0009
1.5	+.0011	+.0011	+.0010	+.0012
2.0	+.0004	+.0011	+.0010	+.0015
2.5	+.0010	+.0016	+.0011	+.0020
3.0	+.0008	+.0011	+.0012	+.0013
3.5	+.0006	+.0012	+.0010	+.0010
3.9	+.0009	+.0013	+.0008	+.0014
Rod index error	+.0019	+.0009	+.0013	+.0013

Table 5.--Observed and corrected July 1965 elevations between BM 10 and 35 YY, and comparison to 1958 and 1971 elevations

The 1958 elevation of BM 10 was used as datum.

	July 1965 elevations				Feb. 1971	1971-1965		1965-1958
BM	Elevation before rod correction	Elevation after rod correction	Corrected elevation[1/]	Corrected elevation, meters	Adjusted elevation, meters	Difference in elevation	Adjusted elevation, meters	Difference in elevation
10	10.812 ft	10.812 ft	-	3.296	3.296	0	3.296	0
51YY	32.185	32.182	-	9.809	9.813	+.004	9.814	-.005
50YY	42.836	42.832	-	13.055	13.068	+.013	13.061	-.006
49YY	41.406	41.402	-	12.619	12.638	+.019	12.625	-.006
48YY	19.558	19.557	-	5.961	5.983	+.012	5.964	-.003
HV086	14.940	14.939	-	4.553	4.573	+.020		
HV013	10,083	10,079	-	3.072	3.093	+.021		
T.G.1	2.999	2.995	-	0.913	0.933	+.020		
Kupapau Trig.	24.165	24.163	-	7.365	7.370	+.005	7.390	-.025
HV085	36.877	36.872	-	11.239	11.255	+.016		
HV084	34.366	34.361	-	10.473	10.501	+.028		
83	42.358	42.351	-	12.909	12.956	+.047		
82	72.776	72.765	-	22.179	22.213	+.034		
81	61.845	61.836	-	18.848	18.876	+.028		
80	64.956	64.946	-	19.796	19.826	+.030		

Table 5.--Observed and corrected July 1965 elevations between BM 10 and 35 YY, and comparison to 1958 and 1971 elevation

The 1958 elevation of BM 10 was used as datum.

(cont'd)

BM	July 1965 elevations				Feb. 1971	1971-1965	1958	1965 1958
	Elevation before rod correction	Elevation after rod correction	Corrected elevation[1/]	Corrected elevation, meters	Adjusted elevation, meters	Difference in elevation	Adjusted elevation, meters	Difference in elevation
HV079	46,026	46,019		14,027	14,047	+.020		
78	82,907	82,896		25,267	25,275	+.008		
77	113,627	113,617		34,631	34,642	+.011		
76	147.264	147,258	148.178	45,165	45,176	+.011		
75	159.463	159.455	160.375	48.882	48.893	+.011		
74	263.713	263.719	264.639	80.662	80.667	+.005		
73	373.464	373.484	374.404	114.119	114.120	+.001		
72	464.120	464.148	465.068	141.753	141.748	-.005		
71	565.154	565.189	566.109	172.550	172.569	+.019		
70	659.573	659.614	660.534	201.331	201.374	+.043		
69	786.541	786.594	787.514	240.035	240.093	+.058		
68	912.666	912.729	913.649	278.481	278.542	+.061		
67	1030.615	1030.685	1031.605	314.434	314.505	+.071		
66	1145.024	1145.105	1146.025	349.309	349.388	+.079		
65	1299.246	1299.343	1300.263	396.321	396.414	+.093		

Table 5.--Observed and corrected July 1965 elevations between BM 10 and 35 YY, and comparison to 1958 and 1971 elevation

The 1958 elevation of BM 10 was used as datum.
(cont'd)

BM	July 1965 elevations				Feb. 1971	1971-1965	1958	1965 1958
	Elevation before rod correction	Elevation after rod correction	Corrected elevation[1]	Corrected elevation, meters	Adjusted elevation, meters	Difference in elevation	Adjusted elevation, meters	Difference in elevation
HV064	1428.434	1428.545	1429.465	435.702	435.785	+.083		
63	1529.262	1529.383	1530.303	466.437	466.518	+.081		
62	1653.794	1653.926	1654.846	504.398	504.478	+.080		
61	1780.041	1780.183	1781.103	542.881	542.963	+.082		
60	1915.446	1915.598	1916.518	584.156	(584.242)[2]	(+.086)		
C/L21	2035.239	2035.402	2036.322	620.672	(620.759)	(+.087)		
HV059	2077.999	2078.165	2079.085	633.706				
58	2173.884	2174.057	2174.977	662.934				
57	2289.899	2290.080	2291.000	698.298				
56	2365.548	2365.740	2366.660	721.359	(721.624)	(+.265)		
55	2405.818	2406.013	2406.933	733.635	(734.010)	(+.375)		
54	2486.755	2486.961	2487.881	758.308	758.872	+.564		
53	2555.082	2555.296	2556.216	779.136	779.881	+.745		
52	2628.200	2628.421	2629.341	801.425				

Table 5.--Observed and corrected July 1965 elevations between BM 10 and 35 YY, and comparison to 1958 and 1971 elevatior

The 1958 elevation of BM 10 was used as datum.
(cont'd)

BM	July 1965 elevations: Elevation before rod correction	Elevation after rod correction	Corrected elevation[1/]	Corrected elevation, meters	Feb. 1971 Adjusted elevation, meters	1971-1965 Difference in elevation	1958 Adjusted elevation, meters	1965 1958 Difference in elevation
HV051	2750.470	2750.702	2751.622	838.696				
50	2833.909	2834.149	2835.069	864.131				
35YY	2912.230	2912.478	2913.398	888.005			887.523	+.482

1/ The rod corrected difference in elevation between HVO 77 and HVO 76 was 34.561 ft in 1971; the 1965 data indicate a difference of 33.641. The benchmarks are only 0.4 miles apart, and no evidence of ground cracking could be found between them. The benchmarks had not been installed when the 1965 leveling was initially done; elevations were assigned to nearby nails, and when the benchmarks were installed a few days later, their elevations were determined by leveling to the nail. There are several nails near HVO 76; the elevation difference between two of them is nearly the same as the difference between the 1965 and 1971 readings. Thus all elevations from HVO 76 to 35YY have been raised by 0.920 ft, the difference between the 1965 and 1971 readings.

2/ Elevations in parentheses were obtained in October 1970, during leveling between HVO 53 and Kupapau triangulation station. This leveling was not done as carefully as that in February 1971, but comparison of the results indicates very close agreement.

Table 6.--1921 raw data, collimation and rod corrections, and resulting elevation differences.

All data in feet

Date	Benchmark interval	Raw elevation difference	Collimation error per 100 ft	Backsight-foresight imbalance	Collimation correction	Rod correction	Final elevation difference
Feb. 4	10-43	32.557	-.0111	-296	+.033	+.023	32.613
do	43-rock	-3.465	do	-17	+.002	-.002	-3.465
Feb. 5	rock-34	-5.281	-.0089	-12	+.001	-.004	-5.284
do	34-27	-7.432	do	+185	-.016	-.005	-7.453
do	27-64	36.870	do	+315	-.028	+.026	36.868
do	64-167	103.110	do	+240	-.021	+.073	103.162
do	167-352	184.112	do	+385	-.034	+.131	184.209
do	352-rock	202.199	do	-223	+.020	+.144	202.363
Feb. 8	rock-557	3.591	-.0206	-34	+.007	+.003	3.601
do	557-1082	524.140	do	+364	+.075	+.373	524.438
do	1082-1638	557.129	do	+892	-.184	+.396	557.341
do	1638-2093	455.684	do	-236	+.049	+.324	456.057
Feb. 9	2093-2302	206.631	-.0123	+157	-.019	+.147	206.759
do	2302-2503	201.006	do	-224	+.028	+.143	201.177
do	2503-2728	226.876	do	-408	+.050	+.161	227.087

Table 7.--Comparison of 1921, 1958, and 1971 corrected elevations between Kalapana and BM 2728.

Datum is BM 10, located at Kalapana Protestant Church, with 1958 elevation of 10.812 ft.

BM	1958		1971		1921		1958-1921	1971-1958	1971-1921
	ft	m	ft	m	ft	m	m	m	m
10	10.812	3.296	10.812	3.296	10.812	3.296	0	0	0
51YY	32.197	9.814	32.194	9.813				0	
50YY	42.850	13.061	42.872	13.067				+.006	
49YY	41.420	12.625	41.462	12.638				+.013	
34	34.723	10.584	34.766	10.597	34.676	10.569	+.015	+.013	+.028
Kupapau	24.246	7.390	24.179	7.370				-.020	
48YY	19.567	5.964	19.627	5.982				+.018	
64	64.171	19.559	64.166	19.558	64.091	19.535	+.024	-.001	+.023
46YY	76.219	23.232	76.215	23.230				-.002	
167	167.399	51.023	167.515	51.059	167.253	50.979	+.044	+.036	+.080
45YY	167.962	51.195	168.081	51.231				+.036	
352	351.666	107.188	351.950	107.275	351.462	107.126	+.062	+.087	+.149
557	557.787	170.014	558.290	170.167	557.426	169.904	+.110	+.153	+.263
44YY	559.268	170.465	559.776	170.620				+.155	
43YY	927.294	282.640	927.923	282.831				+.191	
1082	1082.304	329.887	1082.995	330.098	1081.864	329.753	+.134	+.211	+.345

Table 7.--Comparison of 1921, 1958, and 1971 corrected elevations between Kalapana and BM 2728. Datum is BM 10, located at Kalapana Protestant Church, with 1958 elevation of 10,812 ft (cont'd).

BM	1958 ft	1958 m	1971 ft	1971 m	1921 ft	1921 m	1958-1921 m	1971-1958 m	1971-1921 m
42YY	1251.240	381.379	1252.063	381.630				+.251	
41YY	1440.176	438.967	1441.241	439.291				+.324	
1638	1639.853	499.828	1641.091	500.206	1639.205	499.631	+.197	+.378	+.575
40YY	1918.541	584.772	1919.969	585.208				+.436	
39YY	2134.909	650.722	2136.955	651.345				+.623	
38YY	2302.418	701.778	2305.094	702.594				+.816	
37YY	2297.418	700.254	2299.811	700.984				+.730	
2302	2303.026	701.964	2305.431	702.697	2302.021	701.657	+.307	+.733	+1.040
36YY	2501.242	762.380	2505.030	763.535				+1.155	
2503	2502.126	762.650	2505.910	763.803	2503.198	762.976	-.326	+1.153	+.827
2728	2731.448	832.547	2736.888	834.205	2730.285	832.193	+.354	+1.658	+2.012

Figures in column 9 may differ by 0.001 m from those listed in Table 3 because of rounding off during conversion of elevations from feet to meters.

Table 8.--Differences in elevation between original and reset benchmarks, 1958-1971.

New Benchmark	Amount by which reset benchmark is higher (+) or lower (-) than original benchmark, in feet
6YY 1957 reset 1962	+ .335
Z 1 (1926) reset 1963	- .346
V 1 (1926) reset 1967	+ .089
6YY 1958 reset 1967	- 3.327
7YY 1958 reset 1967	-22.468
U 1 (1926) reset 1967	+11.339
16YY 1958 reset 1968	- .136
17YY 1958 reset 1962	+ 2.648
90YY 1958 reset 1962	- 3.142
94YY 1958 reset 1962	- .447
205YY 1958 reset 1973*	- .411
7YY 1957 reset 1970	(BM destroyed before reset data could be obtained)
3565 (1912) reset 1972	Reset data unavailable

*Reset after surveys described in this report.

SEISMIC SUMMARY

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

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

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 9. 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 10. The location of each seismograph station is listed in Table 12, along with a description of the equipment at each station.

Table 9.--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 a source about 30 km beneath the summit region; Kilauea Summit long-period, earthquakes characterized by low-frequency waves that originate roughly 5 km beneath the summit region; Kilauea Summit Shallow, earthquakes a few km deep in 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 and the adjacent fault systems of Kilauea's south flank; Koae, earthquakes along the northeast-trending Koae fault system south of the caldera; Lower East Rift, earthquakes from the lower east rift zone of Kilauea.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Intermediate	Shallow	30 KM	Long Period	Shallow					
January 1			Fluctuating at low levels near eruptive site on the upper east rift	1	19	483	20	117	22	1	
2	5m			3	13	773	14	149	25	4	
3		2m		4	5	579	30	55?	58	1	
4	21m	2m		3	10	560	12	20	48	4	
5				2?	(?)	399?	6?	14?	5?	(?)	Jan. 5-22 frequent electrical storms, heavy rain and wind
6					1	394?	2	69?	(?)		
7	30m			2		529	9	138	61?	5	
8				3	(?)	473?	3	143	31?	3?	
9		3m				311	4	100	23	5	
10				2?		129?	3?	63?	19?	2?	
11	30m			2		130?	8	69?	28	(?)	
12					2	151?	10	55	29	(?)	
13				2	4	106	14	48	24	2?	
14				9?	2	85?	17?	8?	6?	1?	
15				3?		(?)	3?	4?	3?	1?	
16						65	13	88	9	1?	Jan. 16-24 many "L-P quakes" near Makaopuhi
17	26m					58?	5?	225?	2?		
18						101?	3?	400?	3?	6?	
19				1		41?	6	518	7?	4	
20	5m				2?	64?	9?	376?	6?	8?	
21					2	112?	5?	258	25	10	
22					2	194	17	212	16	1	
23				3		74	12	300	13	4	
24					1	126	8	286?	7	6	
25				2	6	368	15	58	20	4	
26				4	18	582	6	44	17	1	
27						76?	2?	43?	2?	1?	
28						(?)	4?	188?	5?	(?)	
29					5?	104?	6	18?	6		
30				2	1	227	14	23?	20	9?	
31				2		134	12	40	12	14	

Earthquake count taken primarily from Develocorder 16-mm film records, and secondarily from smoke records

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes								
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
February 1			Fluctuating at low levels near eruptive site on the upper east rift	3		50	4	46	7	4	
2	8m			4	1	370	9	24	11	9	
3				3		206	19	92	4	9	
4				4	4	181	17	45	6	3	
5				4		185	10	26	4	3	
6				3		237	8	40	8	5	
7				1		286	9	25	3	3	
8	6m			1		423	9	24?	1	3	
9				1		316	8	14?	10	3	
10				1		178	12	73	2	4	
11					5	172	11	45	9	10	
12						154	17	43	17	6	
13				3	3	143	28	83	8	9	
14		5m		1	4	130	6	45	8	13	
15				2	3	62	6	57	10	2	
16				2		108	17	80	15	5	
17				1		163	12	94	13	1	
18						164	11	130	14	5	
19	13m			2		111	11	88	21	5	
20				3		94	5?	69	9		
21				2		121	9?	93	8	1	
22				1?		128?	4?	202?	2?		
23	30m			2		98	10	164	12?	1	
24				1	2	190	6	152	6	1	
25				1	1	193	6	165		(?)	
26				1	4	167	9	145	14	2	
27					2	189	15	129	14	6	
28				2	1	151	14	88	20	4	

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Intermediate	Shallow	30 KM	Long Period	Shallow					
March 1			Fluctuating at low levels near eruptive site on the upper east rift	1	5	176	10	130	15	3	
2				3		153	7	103	6	5	
3					1	165	5	105	9		
4					2	226	18	115	4	9	
5				2		172	7	72	33	2	
6				2		170	15	80	19	1	
7				4		158	5?	48	9	1	
8					3	215	12?	67	20		
9						198	9	48	3	6	
10				1		283	10	56	3	8	
11				1		208	14	61	17	3	
12					3	173	9	54	16	7	
13				1	26	265	8	68	8	11	
14	40m			4	4	220	23	64	11	6	
15						134?	15?	36?	4?	2?	
16	40m			2	2	118	17	54	1?	6	
17	4m			1	1	159	4?	67	14	4	
18				2		125	7?	76	18	4	
19	8m			2	6	209	16	33	9	5	
20						183	17	50	14	6	
21	30m			3		176	12	47	9?	5	
22	14m					244?	15	32	3	5	
23						336	18	75	7	4	
24						292	21	37	14	8	
25	60m	7m		(?)		256	(?)	34	5	1	
26	4m	3m		3	2	270	7?	31	8	2	
27	16m			2	3?	230	12	31	14	6	
28				2		252	6	51	8	7	
29	2m			2	7	233	7	84	4	(?)	
30	16m			1	3	267	17	67	12	(?)	
31					27	226	19	61	23	(?)	

Table 10 is a chronological listing of successfully located earthquakes. For each event the following data are presented:

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

Epicenter in degrees and minutes of North latitude (LAT N) and West longitude (LONG W). Poor convergence of the epicenter solution is indicated by "?".

Depth - depth of focus in km. Assumed depth is indicated by "x".

Mag - magnitude, if determined.

NO - number of stations used in locating earthquakes.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in km to the nearest station.

ERT - standard error of the origin time in seconds.

ERH - standard error of the epicenter in km.

ERZ - standard error of the depth in km.

MD - mean deviation of the time residuals. $\left[= \sum_i R_i/NO \right]$ where R_i is the observed seismic wave arrival time less the computed time at the i^{th} station.

Q - solution quality of the hypocenter. This measure is intended to indicate the general reliability of each solution:

Q	EPICENTER	FOCAL DEPTH
A	excellent	good
B	good	fair
C	fair	poor
D	poor	poor

Q is based both on the nature of the station distribution with respect to the earthquake and the statistical measures of the solution. These two factors are each rated independently according to the following scheme:

Station Distribution

	NO	GAP	DMIN
A	≥ 8	≤ 120°	≤ DEPTH or 5 km
B	≥ 6	≤ 150°	≤ 2 x DEPTH or 10 km
C	≥ 6	≤ 225°	≤ 50 km
	≥ 4	≤ 180°	
D	Others		

Statistical Measures

	ERH(km)	ERZ(km)	MD(sec)	RMAX(sec)*
A	≤ 1.0	≤ 2.0	≤ 0.10	≤ 0.25
B	≤ 2.5	≤ 5.0	≤ 0.20	≤ 0.50
C	≤ 5.0		≤ 0.30	≤ 0.75
D	Others			

Q is taken as the average of the ratings from the two schemes, that is, an A and a C yield a B, and two B's yield a B. When the two ratings are only one level apart the lower one is used, that is, an A and a B yield a B (Hamilton and others, 1969).

The criteria for Q are the same as used by the Office of Earthquake Research and Crustal Studies, U. S. Geological Survey.

*RMAX is the maximum residual

SUMMARY OF SEISMIC EVENTS

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN	1	1	55	11.7	19-25.4	155-16.3	1.7	1.3	12	175	1.6	0.08	0.3	0.2	0.06	B
	1	2	16	16.3	19-12.5	155-24.0	29.8*		11	310	13.7	0.33	3.4		0.11	D
	1	2	23	36.2	19- 9.6	155-25.0	8.0*		10	258	19.1	0.49	3.2		0.13	D
	1	2	29	3.9	18-57.3	155-19.8	8.0*		12	278	42.6	1.00	6.4		0.21	D
	1	2	29	22.7	19-12.1	155-25.8	8.0*		8	236	15.6	0.76	5.9		0.29	D
	1	3	20	11.0	19- 9.8	155-29.5?	40.8	2.5	16	244	16.2	0.33	2.1	2.9	0.15	C
	1	3	20	53.1	19- 8.3	155-31.0	38.8		13	259	16.1	1.04	4.9	8.5	0.14	D
	1	3	23	43.5	19- 6.1	155-23.3	8.0*		11	265	26.0	0.54	3.2		0.13	D
	1	5	43	21.2	19- 8.5	155-24.2	8.0*		9	252	21.6	0.58	3.6		0.16	D
	1	5	44	16.7	19- 5.4	155-23.5	15.0*		12	255	27.3	0.50	3.5		0.18	D
	1	5	45	45.0	19-18.7	155-30.8	8.0*		5	156	13.1	0.11	1.3		0.07	C
	1	7	20	54.9	19-15.6	155-33.9	3.2		8	175	5.7	0.18	2.2	1.7	0.15	C
	1	10	26	43.9	19-19.3	155-15.9	5.5		10	178	4.7	0.25	1.5	1.5	0.23	C
	1	18	6	12.7	19-21.0	155-24.4?	8.6	2.2	16	117	2.4	0.11	0.9	0.6	0.18	B
	1	20	31	5.2	19-26.4	155-16.9	3.1		7	297	2.1	0.41	1.7	1.8	0.07	C
	1	21	55	25.4	19- 2.0	155-20.7?	11.3*		13	283	29.7	1.04	6.6		0.12	D
	1	23	3	38.7	19-11.1	155-38.5?	10.4*		8	306	7.4	0.57	4.3		0.24	D
	2	0	41	29.3	19-24.0	155-16.0	2.9	0.9	7	211	1.8	0.11	0.8	2.4	0.05	C
	2	1	4	32.3	19-18.5	155-16.6	6.5		11	190	3.8	0.20	1.5	1.0	0.19	C
	2	1	25	3.8	19-18.3	155-16.2	6.2	2.1	17	196	4.3	0.15	1.0	0.7	0.20	C
	2	1	52	17.0	19-24.2	155-23.7	7.4	1.6	15	117	7.1	0.09	0.7	0.6	0.15	B
	2	3	23	7.1	19-19.0	155-16.6	7.1		10	175	4.0	0.13	0.9	0.9	0.12	C
	2	4	11	17.6	19-46.6	156- 7.4?	3.9	3.0	14	280	35.5	0.52	4.7	3.8	0.12	D
	2	4	48	44.5	19-26.0	155-24.4	8.0*	2.0	14	182	7.1	0.05	0.4		0.07	C
	2	6	9	12.4	19-13.3	155-34.7	5.3		7	233	5.1	0.64	6.3	4.0	0.12	D
	2	7	5	49.4	19-28.3	155-14.6?	8.0*	2.1	10	265	7.5	0.52	4.7		0.49	D
	2	7	12	25.5	19-24.2	155-23.9	9.7		11	179	7.4	0.12	1.0	1.4	0.11	C
	2	7	24	55.3	19-22.4	155-18.2	1.7		6	128	3.1	0.08	0.4	0.3	0.03	B
	2	12	46	52.1	19-23.8	155-17.3	2.0	2.3	15	90	1.1	0.04	0.2	0.2	0.07	A
	2	13	25	27.9	19-23.9	155-15.9	1.9	0.4	7	210	1.8	0.18	1.0	0.4	0.09	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 2	18	47	22.2	19-29.0	155-16.0?	8.0*	1.7	8	321	7.3	0.33	4.7		0.39	D
2	22	7	26.8	19-25.1	155-26.6	8.0*	0.8	14	211	10.4	0.35	2.1		0.29	D
3	0	56	49.9	19-19.8	155-25.3?	8.5		12	141	3.6	0.12	1.1	0.7	0.16	B
3	1	33	39.3	19- 9.3	155-26.1	8.0*	1.2	9	248	20.7	0.51	3.4		0.15	D
3	3	33	57.9	19-24.4	155-17.3?	1.7	0.5	9	118	0.7	0.04	0.4	0.2	0.07	B
3	3	51	8.4	19-23.6	155-17.6	1.8	1.2	10	86	1.4	0.06	0.4	0.3	0.08	A
3	3	52	15.0	19-23.6	155-17.5?	1.8	0.0	7	141	1.2	0.03	0.2	0.2	0.03	B
3	4	22	0.5	19-58.1	155-50.1?	8.0*	2.1	10	260	15.8	1.67	9.7		0.73	D
3	4	26	59.9	19-17.9	155-13.6	5.3	1.8	16	202	7.9	0.25	1.4	1.1	0.23	C
3	4	40	52.9	19-18.7	155-13.9	4.6	0.9	9	212	6.2	0.33	1.8	1.9	0.22	C
3	5	8	11.7	19-18.4	155-13.3	8.0*	0.7	9	223	7.2	0.26	1.6		0.16	C
3	5	12	26.8	19-23.3	155-17.4	2.3	1.2	10	80	1.1	0.07	0.5	2.1	0.11	B
3	5	22	3.1	19-23.5	155-17.4	1.7	0.0	7	144	1.0	0.04	0.4	0.2	0.03	B
3	5	41	16.1	19-28.9	155-14.5?	8.0*	1.5	7	323	8.4	1.67	11.7		0.52	D
3	5	43	21.6	19-10.8	155- 7.7?	0.0	1.2	9	265	21.1	0.44	8.6	55.1	0.38	D
3	5	46	2.6	19-19.1	155-16.4	5.3	0.8	13	175	4.5	0.14	1.0	0.9	0.18	C
3	6	0	1.2	19-16.7	155-13.7	8.0*	1.1	9	251	9.0	0.27	1.6		0.11	D
3	6	14	24.5	19-24.9	155-17.2	7.3	0.5	7	147	0.3	0.65	1.3	3.4	0.04	B
3	6	14	38.9	19-24.6	155-17.2	7.5	0.5	6	171	1.7	0.21	0.8	1.0	0.02	B
3	6	15	13.2	19-24.5	155-17.3	7.6	1.1	7	160	0.4	0.27	0.6	1.5	0.02	B
3	6	15	35.8	19-25.2	155-17.1	8.3	0.8	6	220	1.0	0.50	2.3	3.0	0.05	C
3	6	16	28.8	19-25.0	155-17.1	8.5	1.0	6	205	1.2	0.15	0.6	1.1	0.01	B
3	8	8	18.9	19-18.7	155-13.8	4.5	0.9	9	212	6.3	0.36	2.0	2.0	0.23	C
3	8	27	9.1	19-18.4	155-13.6	8.0*	0.7	8	221	7.0	0.23	1.5		0.14	C
3	8	33	35.4	19-18.4	155-13.3	5.5	1.0	11	204	7.2	0.27	1.6	1.5	0.22	C
3	8	34	5.3	19-18.2	155-13.6	6.3	1.4	16	201	7.3	0.20	1.2	0.8	0.21	C
3	9	37	52.2	19-23.7	155-16.9	10.5	1.3	7	164	0.5	0.31	2.0	2.4	0.06	C
3	14	8	3.1	19-24.8	155-18.1	20.9*	1.6	8	166	1.1	0.16	5.3		0.20	D
3	15	3	35.6	19-23.9	155-16.3?	1.8	0.2	7	194	1.4	0.17	1.1	0.5	0.11	C
3	16	17	12.0	19-21.7	155-16.8	28.7	1.2	12	118	2.0	0.20	1.3	1.9	0.10	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 3	18	12	18.7	19-22.7	155-26.6	7.9	1.5	12	126	7.4	0.09	0.6	0.5	0.09	B
3	21	6	29.4	19-27.3	155-18.7	24.2*	1.9	8	295	4.0	0.38	7.1		0.20	D
3	22	1	56.0	19-15.1	155-22.7	30.9	1.3	10	209	8.8	0.46	2.1	4.0	0.10	C
3	22	35	30.5	19-21.6	155-12.2	2.1	0.5	7	162	1.8	0.14	0.7	0.5	0.05	B
4	2	6	44.9	19-30.4	155-14.9?	8.0*	1.7	9	300	10.4	1.70	9.6		0.59	D
4	2	7	31.1	19-23.8	155-17.2?	1.7	0.2	7	128	1.1	0.11	0.7	1.6	0.08	B
4	2	56	28.5	19-23.3	155-26.2	0.2*	1.0	13	126	7.6	0.17	1.1		0.25	C
4	3	43	10.4	19-25.2	155-11.1?	8.0*	2.2	11	293	9.6	0.90	5.5		0.62	D
4	3	58	48.5	19-15.5	155-22.0?	2.0*	1.0	7	330	15.7	2.21	46.8		0.51	D
4	5	17	34.4	19-20.4	155-14.1	6.4	0.9	14	174	3.4	0.13	1.0	0.7	0.19	C
4	5	29	47.8	19-29.4	155-54.3	9.8*	1.8	8	283	40.2	0.84	5.4		0.11	D
4	6	27	28.3	19-20.5	155-14.2	6.1	0.8	16	169	3.0	0.12	0.9	0.7	0.18	C
4	7	5	10.8	19-21.5	155-13.1	11.5	1.0	7	157	3.9	0.15	0.6	1.3	0.03	B
4	7	19	47.9	19-19.4	155-27.6?	8.1	1.2	11	144	7.6	0.12	1.0	0.9	0.17	B
4	8	32	4.8	19-25.3	155-17.2	2.3		8	207	0.7	0.08	0.5	0.6	0.06	B
4	13	55	28.8	19-24.8	155-15.5	1.4	0.2	9	191	2.6	0.04	0.1	0.1	0.02	B
4	17	13	32.6	19-24.4	155-16.5	0.5	0.8	11	151	1.3	0.23	0.6	0.4	0.16	C
4	17	26	24.3	19-21.0	155- 5.2	4.3	1.3	12	202	8.3	0.26	2.2	1.3	0.22	C
4	17	51	28.4	19-24.3	155-25.8	8.0*	1.4	11	155	8.7	0.04	0.4		0.06	C
4	18	13	53.8	19-58.1	155-18.9?	0.1*	2.1	9	257	25.6	0.34	2.7		0.20	D
4	19	1	23.8	19-28.2	155-18.4?	0.2*	0.9	8	320	5.3	0.82	3.6		0.25	D
4	19	10	35.8	19-14.7	155-32.5?	3.3	2.0	11	197	8.1	0.31	2.9	1.8	0.18	C
4	19	26	45.6	19- 6.1	155-24.8?	27.8	1.9	12	265	24.4	0.57	3.4	5.0	0.13	D
4	20	3	15.8	19-23.8	155-16.0	3.3	0.2	7	203	1.6	0.16	0.7	1.3	0.05	B
4	21	16	39.7	19-24.1	155-16.8	2.2	1.1	12	118	1.3	0.05	0.4	0.2	0.10	B
4	21	26	32.0	19-24.0	155-16.5	2.8	-0.1	8	178	1.2	0.07	0.4	0.8	0.05	B
4	21	49	20.8	19-23.8	155-16.9	2.3	2.3	16	74	0.7	0.04	0.3	0.5	0.10	B
4	23	12	2.8	19-19.3	155-13.3	9.2	1.4	10	207	5.9	0.12	1.1	1.2	0.08	C
4	23	53	30.0	19-21.8	155-18.1	24.2	1.7	13	96	3.7	0.30	1.3	2.8	0.09	B
5	0	4	5.6	19-23.5	155-17.6	7.1	1.4	9	86	1.5	0.22	0.6	1.5	0.05	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 5	1	5	9.3	19-23.8	155-17.1?	2.4	0.0	7	138	0.8	0.05	0.4	0.9	0.04	B
5	1	20	2.8	19-23.8	155-15.9	3.2	0.2	7	209	1.8	0.22	1.0	2.0	0.07	C
5	1	27	48.2	19-20.4	155-11.2	13.4	1.3	9	213	3.9	0.33	1.2	2.4	0.06	C
5	2	0	28.8	19-20.2	155-15.8	31.6	1.8	13	158	3.1	0.24	1.5	2.2	0.11	C
5	2	12	7.2	19-24.3	155-17.5	1.3	0.7	10	109	0.7	0.06	0.3	0.3	0.09	A
5	2	17	58.3	19-23.0	155-26.0	8.0*	1.1	10	149	7.1	0.07	0.5		0.09	C
5	4	56	25.3	19-21.1	155-10.2	11.0	1.3	6	229	2.1	1.39	5.3	9.4	0.10	D
5	6	37	18.2	19-18.4	155-13.2	8.0*	1.3	9	223	7.2	0.17	1.1		0.10	C
5	7	10	9.6	19-23.8	155-16.7	3.0	0.9	9	161	0.7	0.18	0.7	1.4	0.08	B
5	9	34	23.4	19-20.7	155-11.3	7.0	2.0	15	203	3.6	0.15	1.0	0.5	0.15	C
5	11	45	56.1	19-31.3	155-17.4?	2.6*	1.8	7	332	11.0	1.76	7.3		0.28	D
6	3	52	51.5	19-24.4	155-16.4?	1.5	1.0	9	211	1.4	0.45	1.9	0.8	0.23	C
6	4	10	35.5	19-23.6	155-17.0	2.3	1.9	12	103	0.6	0.05	0.3	0.8	0.08	A
6	22	33	15.6	19-18.7	155- 7.7	5.3	1.9	13	213	7.3	0.32	1.8	1.2	0.23	C
6	22	58	51.4	19-23.7	155-15.5	4.0	1.1	8	170	2.4	0.15	0.8	1.5	0.10	B
7	5	55	30.1	19-21.0	155-10.4	7.9	2.1	7	185	2.4	0.13	1.5	0.5	0.08	C
7	13	55	48.1	19-25.7	155-16.2	1.9	1.4	12	180	2.0	0.17	0.6	0.4	0.10	B
7	14	1	4.6	19-21.7	155-10.0	9.4	1.4	11	179	0.8	0.10	1.1	1.0	0.09	C
7	17	25	1.5	19-21.2	155-12.6	12.5	1.2	11	171	2.5	0.18	0.7	1.4	0.06	B
7	18	0	48.9	19-24.0	155-17.0	2.0	0.7	12	103	1.1	0.04	0.3	0.2	0.08	A
7	19	5	22.9	19-27.4	155-14.4?	8.0*	1.1	7	276	6.4	0.16	3.0		0.21	D
7	20	13	11.2	19-25.1	155-16.1	1.2	0.9	7	269	1.7	0.44	1.4	0.6	0.11	C
7	22	15	7.8	19-24.3	155-16.3	2.9	1.1	6	210	1.6	0.01	0.1	0.1	0.00	B
7	23	6	9.5	19-13.8	155-27.6	8.0*	1.7	10	213	14.1	0.30	2.5		0.20	C
8	1	0	50.4	19-28.2	155-15.2	2.8*		6	317	6.8	5.53	21.0		0.14	D
8	1	41	20.3	19-24.7	155-16.2	1.1	0.7	11	169	1.5	0.16	0.6	0.5	0.14	C
8	1	46	34.4	19-24.3	155-16.2	0.5	0.9	11	161	1.8	0.24	0.5	0.5	0.13	C
8	1	49	1.5	19-24.3	155-16.6	1.6	0.4	8	140	1.2	0.05	0.4	0.2	0.05	B
8	2	51	5.6	19-23.3	155-13.0?	2.1	0.8	7	197	1.6	0.20	1.6	6.8	0.11	C
8	3	0	46.0	19-24.5	155-16.2	3.6	1.3	7	223	1.6	0.17	0.6	0.9	0.03	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 8	4	5	50.7	19-14.5	155- 5.4?	36.4*	2.1	16	233	16.0	0.15	1.3		0.11	D
8	8	30	57.8	19-21.6	155-14.0	11.7	1.0	11	147	2.3	0.08	1.1	0.7	0.10	B
8	11	21	49.5	19-18.9	155-11.4	10.3	1.4	10	251	6.5	0.47	2.3	3.2	0.10	C
8	11	48	51.6	19-27.3	155-15.3	30.4	1.9	15	103	5.4	0.19	1.0	1.9	0.11	B
8	14	18	58.1	19-24.1	155-17.1	2.2	0.5	6	137	1.3	0.04	0.3	0.2	0.03	B
8	14	28	0.9	19-10.9	155-36.8	6.6	2.1	11	288	7.5	0.38	3.9	2.6	0.17	D
8	18	55	2.7	19-20.2	155-12.6	8.0	1.1	14	185	4.3	0.10	0.9	0.4	0.13	C
8	19	55	35.6	19-25.7	155-17.6?	2.5*	0.2	6	279	0.6	1.07	5.1		0.33	D
8	20	29	15.9	19-20.2	155- 9.2	7.7	1.8	15	196	3.7	0.12	0.9	0.4	0.10	C
8	20	31	51.9	19-34.9	155-39.7	8.3	2.3	7	306	30.1	1.55	7.9	3.8	0.04	D
8	22	13	24.4	19-23.6	155-17.2	2.2	0.0	6	138	0.7	0.05	0.4	0.2	0.03	B
8	22	32	31.2	19-22.0	155-26.2	1.6	1.5	11	144	6.1	2.19	1.0	8.3	0.18	C
9	0	56	35.9	19-29.5	155-14.8?	8.0*	1.2	9	272	9.1	1.36	9.6		0.70	D
9	11	14	45.4	19-23.3	155-17.8	1.3	1.1	13	58	1.7	0.09	0.4	0.5	0.14	B
9	13	41	34.5	19-22.0	155-12.8	3.4	1.2	8	144	1.0	0.17	1.0	2.0	0.11	B
9	17	8	8.6	19-28.7	155-15.5?	11.5	1.8	7	320	7.1	1.66	14.3	11.0	0.32	D
9	18	0	27.9	19-26.4	155-16.2?	3.4*	0.1	6	298	3.0	0.66	3.2		0.19	D
9	19	11	36.6	19-23.6	155-17.6	1.7	0.9	11	81	1.4	0.07	0.4	0.4	0.11	B
9	22	7	1.1	19-29.5	155-16.8?	8.0*	1.4	7	324	7.7	0.65	6.5		0.41	D
9	22	29	27.5	19-21.1	155-13.0	7.3	1.2	15	168	2.8	0.10	0.9	0.5	0.16	C
9	22	44	35.8	19-21.1	155-10.5	2.2*	1.4	11	212	2.2	0.44	2.3		0.21	D
10	12	43	35.6	20-15.1	155-14.5?	63.2*	2.9	18	282	53.8	1.94	20.1		2.07	D
10	15	26	13.3	19-23.6	155-17.2	2.4	0.8	6	138	0.8	0.02	0.1	0.2	0.01	B
10	15	51	36.8	19-19.5	155-16.1	33.6	2.5	16	170	2.5	0.24	1.4	2.2	0.11	C
10	21	58	42.8	19-28.1	154-56.6	2.9	2.1	11	168	5.7	0.15	1.6	1.5	0.14	C
11	2	56	3.4	19-23.8	155-23.6	9.8	2.0	8	161	6.9	0.11	1.1	1.5	0.11	C
11	8	55	10.9	19-18.5	155-12.8	8.0*		8	227	7.6	0.22	1.4		0.12	D
11	11	24	18.5	19-21.5	155- 3.8	7.5	2.4	13	260	10.6	0.39	2.0	0.9	0.12	C
11	11	28	35.7	19-21.0	155- 3.7	7.7	2.3	14	262	10.8	0.41	2.1	1.0	0.13	C
11	13	2	35.4	19-33.1	155-38.0?	0.6*	2.2	9	286	26.4	1.36	6.8		0.15	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971-	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 11	15	41	41.8	19-14.2	155-33.3	8.0*		8	206	6.7	0.21	2.1		0.15	C
11	17	28	48.3	19-23.8	155-23.1	7.0	2.0	15	122	5.9	0.13	1.0	0.9	0.20	C
11	18	46	31.5	19-19.0	155-13.0	10.3	1.4	10	215	6.6	0.10	0.8	0.8	0.07	B
11	21	3	57.3	19-19.6	155-15.8	6.5	2.0	15	173	2.9	0.12	0.9	0.6	0.16	C
11	21	30	2.1	19-25.0	155-27.6?	8.0*	1.4	7	179	11.6	1.02	8.5		0.99	D
11	23	1	29.3	19-18.3	155-13.0	8.0*		8	229	7.7	0.19	1.2		0.09	D
12	1	34	7.6	19-20.7	155-12.4	7.4	1.6	15	185	3.3	0.11	0.8	0.4	0.12	C
12	2	54	49.4	19-18.4	155-12.3	13.8		7	234	8.0	0.26	1.7	2.2	0.06	C
12	5	19	38.9	19-14.2	155-10.0	8.0*		8	293	14.5	0.62	3.3		0.07	D
12	5	45	51.2	19-19.5	155-13.9	8.3		14	195	4.9	0.14	1.0	1.3	0.12	C
12	7	1	4.1	19- 8.8	155-24.5	8.0*		11	251	21.1	0.62	3.8		0.18	D
12	7	1	28.7	19- 7.6	155-23.9	8.0*	2.2	10	257	23.2	0.64	3.9		0.17	D
12	7	3	26.7	19- 6.1	155-23.9	8.0*	2.1	6	277	26.0	1.43	8.3		0.17	D
12	7	3	54.2	19-10.0	155-25.5	8.0*	2.1	7	255	19.2	0.88	5.7		0.17	D
12	7	4	26.0	19- 8.9	155-23.9	8.0*	2.1	12	251	20.9	0.60	3.7		0.21	D
13	1	56	0.3	19-24.4	155-22.8	7.6	2.1	16	99	5.6	0.08	0.7	0.6	0.15	B
13	3	3	40.8	19-19.6	155-15.3?	8.3		11	177	3.7	0.16	1.3	1.3	0.14	C
13	3	52	57.7	19-19.8	155-15.7	5.3	1.4	12	170	3.8	0.19	1.3	1.1	0.21	C
13	3	53	53.3	19-20.8	155-12.2?	6.9	1.8	15	185	3.3	0.13	0.9	0.5	0.15	C
13	4	16	46.1	19-19.9	155-11.3	8.0*		10	223	4.9	0.20	1.3		0.11	C
13	4	33	12.5	19- 9.3	154-47.8	26.8*	2.6	12	335	45.2	8.67	53.0		0.22	D
13	7	40	34.7	19-19.9	155-11.2	8.0*	1.8	12	224	4.8	0.15	0.9		0.10	C
13	7	48	29.6	19-21.9	155-42.9	6.1	2.5	11	285	16.4	0.30	1.6	0.9	0.05	C
13	13	48	26.7	19-19.4	155- 9.2	8.0*	1.5	10	273	5.2	0.63	3.4		0.14	D
13	15	30	14.3	19-20.8	155-13.0	7.4	0.9	12	226	3.2	0.19	1.1	0.5	0.12	C
13	17	1	0.5	19-20.7	155- 9.6	8.8	1.2	8	190	2.5	0.11	1.2	1.2	0.07	C
13	17	47	56.1	19-21.6	155- 9.4	7.9	1.3	11	184	1.2	0.09	1.0	0.3	0.09	B
13	17	58	36.0	19-22.6	155- 3.6	17.5*	1.8	9	338	10.9	0.49	3.9		0.09	D
13	18	36	51.6	19-31.4	155-36.1	8.0*	2.2	12	275	22.5	0.80	4.5		0.18	D
13	19	41	18.9	19-14.3	155-33.3?	2.4*	1.6	12	204	6.7	0.18	1.5		0.21	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 13	21	50	8.1	19-20.1	155-10.9	8.4	1.4	12	227	4.3	0.28	1.5	2.4	0.09	C
14	2	42	3.5	19-20.8	155- 3.1	0.3*	2.0	15	210	12.0	0.26	1.7		0.15	C
14	4	55	26.6	19-17.2	155-15.4	10.7	2.1	15	203	5.8	0.17	1.4	1.3	0.16	C
14	7	26	56.8	19-27.6	155-42.4	9.6*	2.6	10	285	25.1	0.47	2.9		0.07	D
14	9	19	19.9	19-32.1	155-11.4	11.2	2.2	15	143	16.4	0.09	0.8	1.4	0.10	B
14	10	13	14.5	19-22.6	155-25.6	8.0*	1.8	11	142	6.0	0.07	0.6		0.09	C
14	11	30	21.4	19-23.4	155-25.5	8.0*	1.8	14	146	7.1	0.07	0.5		0.09	C
14	17	13	10.5	19-31.2	155-21.1	19.5		8	272	4.7	0.77	3.0	5.7	0.04	D
14	18	38	4.9	19-32.1	155-11.9	9.1	2.7	18	74	15.9	0.06	0.6	1.4	0.11	B
14	18	45	43.7	19-30.7	155-12.5	7.9	1.0	11	296	13.3	0.59	3.2	1.5	0.07	D
14	20	54	11.0	19-20.9	155-16.1	7.7	0.8	10	214	2.7	0.13	0.9	0.4	0.06	B
14	21	1	18.4	19-34.8	156-15.7	8.0*	2.3	9	350	92.1	0.86	18.5		0.29	D
14	21	53	57.0	19-31.9	155-10.8	7.1	1.7	13	182	17.0	0.10	0.8	0.5	0.07	B
15	2	9	5.4	19-23.5	155-42.0?	6.7*	2.4	9	279	18.1	0.50	2.9		0.13	D
15	9	33	54.1	19-45.5	155-27.9	13.4*	2.6	12	206	2.6	0.13	2.6		0.08	C
15	9	38	7.8	19-32.1	155-11.2	8.0*	1.8	13	178	16.6	0.07	0.9		0.09	C
15	10	27	13.9	19-31.9	155-10.6	8.0*	1.8	14	184	17.0	0.05	0.7		0.08	C
15	18	38	18.9	19-24.9	155-23.4	8.0*		9	182	6.8	0.09	0.7		0.09	C
15	18	47	16.7	19-25.4	155-28.9	8.0*		5	276	12.8	0.85	4.9		0.09	D
16	12	58	28.5	19-23.1	155-25.4	8.0*	1.8	10	143	6.5	0.09	0.7		0.11	C
16	13	55	8.6	19-17.4	155-35.7	8.0*	2.3	12	196	5.3	0.15	1.6		0.12	C
16	17	54	18.4	19-25.0	155-29.8	9.0	2.2	13	198	14.5	0.20	1.6	3.3	0.15	C
16	18	10	20.2	20- 6.1	155-24.4	11.1*	3.2	17	246	31.6	0.55	4.1		0.17	D
17	23	57	30.2	19-25.1	155-28.0	8.0*	1.6	10	141	11.9	0.07	0.6		0.10	C
18	6	30	40.4	19- 8.7	155-25.7	8.0*	1.7	9	252	21.6	0.79	4.9		0.21	D
18	19	1	21.3	19-16.4	155- 6.8?	0.0	2.9	14	221	11.7	9.62	2.6	17.7	0.26	C
18	19	7	28.4	19-15.9	155-10.2?	0.0	1.8	12	217	11.4	9.19	4.7	35.0	0.27	D
18	19	10	8.6	19-20.0	155-11.1	5.6	2.5	14	227	4.5	0.23	1.4	0.7	0.15	C
19	0	40	45.9	20- 2.4	155-24.9	8.8	3.6	12	230	29.0	0.35	2.3	2.9	0.12	C
19	8	9	25.8	19-27.8	155-10.5	29.3		6	283	13.2	1.20	7.5	6.5	0.08	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 19	10	8	44.4	20-38.3	156- 8.1	8.0*	3.5	14	333	81.1	4.31	25.3		0.10	D
19	18	1	45.1	19-23.5	155-24.2?	9.4	1.5	9	117	6.3	0.14	1.0	1.2	0.14	B
19	18	43	29.9	19-50.3	155-17.9	11.4	1.9	10	232	17.9	0.23	2.1	1.5	0.06	C
19	18	56	12.1	19-30.2	155-15.1	25.0	1.6	13	129	9.9	0.16	0.9	1.9	0.09	B
19	19	57	53.1	19-23.8	155-26.1	8.5	1.7	11	127	8.2	0.08	0.8	2.2	0.10	B
20	0	41	27.0	19-18.6	155- 9.9?	8.0*	1.2	11	260	6.5	0.33	3.1		0.36	D
20	5	5	56.8	19-19.3	155-11.0	8.0*	1.3	8	215	5.6	0.25	1.8		0.13	C
20	7	8	23.8	19-19.5	155-15.5	9.6	1.4	11	191	3.4	0.22	2.0	1.9	0.24	C
20	14	1	16.8	19-21.5	155-24.9	11.2	1.9	5	164	9.9		0.0		0.02	D
20	19	51	19.2	19-14.3	155-27.2	2.3		10	218	12.9	0.22	1.5	1.4	0.11	C
20	20	26	9.8	19-23.5	155-17.3	17.8		9	109	0.9	0.19	0.9	1.8	0.06	A
20	20	27	52.5	19-23.4	155-17.3	18.7		8	112	0.9	0.37	1.4	3.5	0.07	B
21	3	12	27.3	19-22.1	155-19.9	17.7	1.3	6	243	2.9	0.86	5.0	7.0	0.06	D
21	3	51	26.9	19-21.8	155-22.2	8.0		6	142	3.5	0.25	1.2	2.5	0.05	B
21	7	26	23.4	19-25.8	155-53.8	18.5*	3.1	10	285	35.5	0.58	3.7		0.10	D
21	10	27	6.4	19-18.7	155-12.1	9.2	1.1	8	245	7.0	0.22	1.3	2.1	0.06	C
21	14	22	35.6	19-22.6	155-27.8	8.0*	1.8	11	162	9.0	0.16	1.4		0.18	C
21	20	1	20.9	19-22.3	155-13.2	2.6	0.5	8	147	1.3	0.11	0.7	1.4	0.07	B
21	20	13	7.6	19-21.4	155-15.6	8.2	0.7	8	138	1.0	0.06	0.5	0.7	0.05	B
22	0	10	50.8	19-22.4	155-29.8	0.5*	1.7	12	142	12.1	0.13	0.9		0.17	C
22	0	44	54.6	19-20.8	155-29.6	6.7	1.5	9	134	11.1	0.17	1.5	1.3	0.16	B
22	1	20	0.4	19-20.3	155-12.8	6.0	1.1	15	182	4.1	0.16	1.1	0.8	0.21	C
22	1	20	18.1	19-18.8	155-14.5	6.0	0.9	13	206	5.6	0.23	1.3	0.9	0.18	C
22	5	59	50.0	19-22.0	155- 9.0	8.7	1.1	12	181	1.4	0.04	0.5	0.5	0.03	B
22	6	30	50.2	19- 0.7	155- 0.5?	34.1*	2.3	14	314	42.8	2.14	14.7		0.23	D
22	9	14	40.4	19-23.3	155-35.2	4.6	2.7	16	185	15.9	0.28	1.6	1.6	0.17	D
22	15	6	1.9	19-19.8	155-11.4	11.0	1.1	12	293	5.3	0.63	2.8	2.7	0.08	D
22	17	14	5.3	19-20.6	155-12.8	5.1	0.9	14	183	3.6	0.18	1.2	1.0	0.20	C
23	3	47	55.3	19- 5.8	155-43.4	1.0	3.0	17	298	20.0	0.34	1.8	1.2	0.10	C
23	5	35	59.5	19-19.8	155-25.7	4.4	2.3	16	141	4.2	0.13	1.0	1.0	0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 23	11	53	11.4	19-22.5	155-23.8	6.7	2.0	15	125	4.3	0.13	1.0	0.8	0.21	C
23	15	41	4.6	19-19.1	155-12.9	10.2	0.8	11	213	6.4	0.32	1.5	2.5	0.11	C
23	17	9	15.7	19-20.0	155-25.2?	8.6	1.8	15	138	3.3	0.12	0.9	0.8	0.16	B
23	17	36	35.3	19-19.5	155-14.1	6.7	1.1	17	187	4.8	0.13	0.9	0.6	0.17	C
23	18	14	23.8	19-24.9	155-17.9	3.0	0.9	13	79	0.9	0.04	0.3	0.8	0.08	A
23	18	31	5.6	19-18.5	155- 7.6?	0.0	1.5	16	211	7.7	6.52	1.6	12.2	0.24	C
23	18	40	9.3	19-20.1	155-15.5	31.2	1.7	15	166	3.2	0.18	1.0	1.5	0.08	C
23	18	45	32.6	19-21.9	155-15.6	28.9	2.0	13	113	0.5	0.23	1.1	2.1	0.08	B
23	23	8	9.7	19-20.8	155- 2.4?	0.0	2.1	16	212	13.1	5.13	1.9	9.6	0.20	C
24	2	12	37.5	19-17.7	155-50.4	8.6	3.5	16	267	23.8	0.62	4.6	2.5	0.11	D
24	4	13	59.4	19-19.0	155-13.7	6.0	2.4	19	194	5.9	0.17	1.1	0.7	0.22	C
24	6	54	14.2	19-19.7	155-12.3	5.7	1.3	15	191	5.2	0.17	1.2	0.8	0.19	C
24	12	7	4.5	19-18.8	155-25.2	7.7	1.9	12	154	4.3	0.10	0.7	0.6	0.10	B
24	23	55	57.3	19-21.1	155-24.5	10.7	1.7	12	116	2.6	0.13	1.3	1.9	0.19	B
25	0	34	15.9	19-19.4	155-13.0	4.0	1.5	11	206	5.9	0.28	1.6	1.8	0.22	C
25	0	55	19.2	19-26.3	155-45.0	0.9	2.5	13	253	25.2	2.97	3.0	9.7	0.16	D
25	6	9	3.4	19-17.2	155- 3.6	0.3*	2.2	11	233	14.1	0.59	3.4		0.25	D
25	7	31	57.4	19-25.1	155-24.1	8.0*	0.6	8	198	7.5	0.11	0.8		0.09	C
25	14	45	21.2	19-18.1	155-20.4	5.1	1.0	10	164	3.1	0.14	1.0	1.0	0.15	C
25	15	24	49.1	19-10.7	155-39.1	5.8	1.7	9	307	8.5	0.40	2.4	1.3	0.12	C
26	1	1	40.8	19-24.4	155-16.3	13.7	2.1	17	54	1.6	0.05	0.5	0.7	0.08	B
26	3	4	36.9	19-30.6	155-11.6	8.0	1.8	16	112	14.2	0.05	0.5	1.7	0.09	B
26	6	2	31.4	19-20.4	155-12.6	7.8	2.7	17	182	4.0	0.10	0.7	0.4	0.13	C
26	6	7	46.2	19-18.9	155-26.3	4.6	1.3	10	152	5.8	0.16	1.3	2.0	0.20	C
26	7	35	9.8	19-11.1	155-35.7	5.7	1.8	13	273	7.5	0.29	2.0	1.5	0.12	C
26	10	25	22.8	19-21.6	155-24.3	6.2		12	112	3.0	0.12	1.1	1.3	0.18	B
26	13	54	43.1	19-33.0	155-10.8	8.0*		8	280	20.0	0.67	3.6		0.09	D
26	14	5	8.5	19-20.6	155-17.9	28.1		14	66	1.3	0.40	1.5	3.6	0.11	B
26	15	44	33.1	19-39.9	155- 3.9	7.9	2.0	18	211	27.4	0.87	1.4	5.7	0.16	C
26	15	50	37.1	19-40.1	155- 3.5	8.0*	3.1	15	212	27.2	0.10	0.7		0.08	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 26	18	18	24.1	19- 8.9	155-37.3	7.3		8	299	11.0	1.03	5.5	2.4	0.10	D
26	20	9	53.1	20- 5.4	155-31.2?	46.0*	2.2	18	310	34.9	0.82	7.6		0.25	D
27	0	0	7.4	19-20.7	155-18.3	27.3	1.4	13	68	1.9	0.67	2.3	5.8	0.11	B
27	1	4	59.7	19-22.6	155-17.7	13.2	0.6	10	65	2.2	0.26	0.8	2.0	0.05	A
27	1	25	48.1	19-20.2	155- 1.7?	0.0	2.1	17	219	14.7	3.30	1.2	6.2	0.12	C
27	1	34	58.7	19-20.2	155-11.7	7.7	0.7	11	208	4.5	0.25	1.4	2.4	0.09	C
27	1	38	53.5	19-20.6	155- 9.6?	7.3	0.8	12	258	2.7	0.26	1.5	0.7	0.14	C
27	10	50	14.1	19-21.0	155-23.4	6.0		9	183	1.4	0.14	0.9	0.9	0.09	B
27	22	39	58.9	19- 9.1	155-33.3	7.8*	2.3	6	274	12.6	1.22	7.1		0.15	D
27	23	19	33.5	19-18.4	155-16.8	8.1	1.0	11	190	3.3	0.14	1.1	1.1	0.10	C
28	3	50	58.1	19-21.1	155-12.1	8.2	1.7	11	180	2.8	0.11	0.9	0.4	0.11	C
28	22	5	1.8	19-19.9	155-12.2?	7.9	1.0	9	259	4.9	0.67	3.4	4.1	0.12	D
29	2	36	47.1	19-21.2	155-13.7	6.1	2.8	15	159	3.0	0.13	1.0	0.8	0.18	C
29	6	4	57.7	19-20.0	155-13.8	11.0	1.2	9	185	4.3	0.17	0.7	1.5	0.06	B
29	6	20	31.9	19-23.3	155-29.6?	6.1	2.2	16	123	12.5	0.11	0.8	0.8	0.15	B
29	9	42	5.3	19-24.0	155-26.0	8.0*	1.0	13	155	8.5	0.08	0.6		0.10	C
29	13	34	47.8	19-18.5	155-15.0	9.9	1.0	11	207	5.2	0.28	1.4	2.2	0.11	C
29	23	1	34.3	19-22.1	155-24.0	7.3	0.9	13	112	3.8	0.12	1.1	1.3	0.20	B
29	23	49	20.3	19-25.7	155-22.7	8.0*	0.5	7	166	4.9	0.07	0.6		0.06	C
30	0	5	11.8	19-20.2	155-13.0	4.7	0.9	12	189	5.0	0.20	1.1	1.3	0.18	C
30	0	10	17.5	19-20.1	155-16.9	7.1	0.8	11	148	0.9	0.07	0.6	0.4	0.08	B
30	0	24	52.8	19-22.7	155-11.5	11.4	1.6	7	331	7.7	1.08	9.6	10.5	0.20	D
30	6	22	21.6	19-19.0	155-46.5	6.1	1.7	10	310	18.1	0.75	4.0	1.5	0.06	D
30	10	21	26.8	19-21.0	155-29.4	3.6	2.4	15	134	10.8	0.19	1.4	2.0	0.21	C
30	11	25	36.3	19-20.7	155-19.7	2.4*	1.3	9	102	4.1	0.04	0.3		0.07	B
30	23	55	30.3	19-24.4	155-16.0	13.3	1.8	16	104	2.0	0.06	0.7	0.5	0.10	B
31	0	51	12.8	19-19.0	155-13.0	9.2	1.8	15	214	6.5	0.13	0.9	1.2	0.09	C
31	4	47	53.6	19-20.1	155-11.8	8.2		10	206	4.5	0.26	1.6	2.8	0.10	C
31	13	27	59.9	19-26.5	155-46.5	3.8	2.4	11	260	27.0	0.75	4.9	3.1	0.17	D
31	16	5	58.0	19-19.9	155-11.0?	5.3	1.3	10	244	4.7	0.63	3.2	1.9	0.23	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JAN 31	21	8	24.5	19-18.3	155-10.2	4.4	1.9	16	206	7.1	0.26	1.3	1.1	0.17	C
FEB 1	2	0	37.9	19-20.6	155-14.4	6.2	1.5	17	166	2.8	0.12	0.8	0.6	0.18	C
1	2	17	9.9	19-24.9	155-25.6	8.0*	1.6	14	127	9.5	0.05	0.4		0.09	C
1	5	56	3.5	19-20.8	155-25.1?	8.5	1.3	13	128	3.3	0.12	0.9	0.7	0.16	B
1	13	46	47.4	19-40.6	156-15.3	11.1	3.0	16	291	70.1	0.52	9.0	16.2	0.25	D
1	15	15	34.7	19-20.3	155-12.6	10.4	0.8	7	192	5.4	0.13	0.5	1.2	0.02	B
1	15	46	58.3	19-21.7	155- 3.4?	2.9	1.9	13	260	11.3	0.75	2.1	2.2	0.19	C
1	16	31	4.4	19-21.9	155-17.9	26.8	2.7	18	72	3.4	0.16	1.0	1.5	0.10	A
1	22	56	38.4	20-13.1	155-59.5	3.2*	2.8	14	324	36.9	0.31	2.4		0.12	D
1	23	54	39.9	19-28.7	155-15.9	26.8	2.1	11	170	6.7	0.18	1.2	1.8	0.08	C
2	2	0	4.4	19-18.7	155- 9.9	4.6	1.1	9	208	6.3	0.34	2.1	1.8	0.16	C
2	3	21	28.3	19-24.6	155-30.8	8.0*	1.5	11	156	16.3	0.12	0.9		0.14	C
2	4	9	46.9	19-17.8	155-16.9	31.8	2.2	19	197	3.0	0.19	1.1	1.5	0.11	C
2	4	58	4.1	19-13.9	155-31.0	3.9	1.5	10	209	10.9	0.26	2.3	1.2	0.17	C
2	8	3	36.8	19-13.7	155-28.1?	3.7	2.2	13	213	14.6	0.38	2.8	1.7	0.19	C
2	8	46	38.8	19-23.8	155-17.4	18.2	1.0	9	113	1.3	0.19	0.9	1.9	0.07	A
2	8	48	10.6	19-28.9	155-17.3	28.7*	1.5	6	316	7.8	0.09	1.4		0.02	D
2	8	48	40.2	19-23.9	155-17.3	17.7		8	116	1.3	0.19	0.9	1.9	0.06	A
2	8	49	41.1	19-25.5	155-17.8	22.1		8	285	1.6	0.28	2.9	2.0	0.08	D
2	9	27	30.1	19-19.7	155-13.7?	5.5	1.6	15	193	4.8	0.31	1.9	1.5	0.32	D
2	9	32	42.2	19-21.0	155-29.2?	7.2	1.9	13	133	10.5	0.09	0.8	0.6	0.11	B
2	10	59	48.7	19-20.2	155-12.4	13.5		8	198	5.8	0.09	0.6	0.9	0.03	B
2	11	31	16.8	19-13.2	155-22.1	29.0		11	314	13.1	1.41	6.8	8.4	0.11	D
2	12	40	3.2	19-15.3	155-34.9	8.0*	2.2	9	184	3.9	0.13	2.5		0.12	C
2	13	9	27.6	19-28.7	155-13.7	18.6		7	282	9.1	0.76	4.8	4.6	0.07	D
2	14	19	39.9	19-20.1	155-17.4	6.0	0.8	11	160	0.0	0.08	0.5	0.5	0.07	B
2	17	6	53.3	19-18.2	155-14.0	14.6		10	221	6.9	0.09	0.5	0.8	0.03	B
2	17	10	35.3	19-19.4	155-10.6	2.3*		10	244	5.2	0.54	2.5		0.22	D
2	20	8	28.7	19-37.1	155- 6.0	8.0*	2.2	6	353	29.7	0.77	17.6		0.17	D
2	21	46	39.0	19-17.0	155- 0.7	29.0		17	237	18.5	0.26	1.2	2.5	0.11	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 2	23	49	57.7	19-12.4	155-28.6?	31.5		10	237	15.5	0.28	2.3	1.6	0.07	C
3	1	56	4.9	19-20.8	155- 1.9	5.8	3.7	21	215	14.0	0.22	1.5	1.1	0.21	C
3	12	35	23.5	19-19.6	155-13.6	15.1		8	196	6.6	0.12	0.6	1.2	0.03	B
3	14	43	2.1	19-22.8	155-22.2	7.6	1.8	15	107	4.7	0.05	0.4	0.4	0.09	A
3	15	6	12.2	19-20.7	155-13.9	6.2	1.0	12	169	3.2	0.18	1.2	0.9	0.20	C
3	15	10	49.1	19-23.9	155-17.9	10.7	1.0	14	75	1.6	0.03	0.3	0.3	0.04	A
3	17	2	56.3	19-19.9	155-11.6?	8.0*		8	216	5.1	0.48	3.4		0.25	C
3	20	29	13.2	19-19.8	155-12.4	8.0*	0.9	10	205	4.9	0.13	0.9		0.10	C
3	21	20	48.4	19-19.6	155-12.5	5.7	1.5	14	192	5.4	0.19	1.2	0.9	0.20	C
3	22	40	43.3	19-24.8	155-25.9	8.0*	2.1	13	159	9.6	0.07	0.5		0.09	C
4	4	7	57.8	19-19.6	155-11.4?	8.2	0.8	12	225	5.3	0.17	1.1	0.4	0.10	C
4	4	56	50.8	19-26.1	155-26.5	8.0*	1.5	9	204	8.9	0.08	0.6		0.06	C
4	5	44	13.4	19-20.6	155-13.4	9.2	0.8	12	178	4.1	0.16	0.9	1.5	0.09	C
4	11	47	3.7	19-17.8	155-26.5	5.6	1.4	8	166	7.2	0.22	2.1	2.2	0.20	C
4	12	11	32.9	19-31.4	155-13.8	28.2	2.9	17	124	12.9	0.26	1.2	2.7	0.13	B
4	15	0	36.7	19-16.3	154-58.2?	0.1*	2.5	14	289	23.0	0.50	3.1		0.21	D
4	15	38	29.8	19-21.9	155-24.6	7.1	0.9	10	115	3.9	0.14	1.3	1.5	0.19	B
4	16	31	21.4	19-19.0	155-12.2	5.2	1.0	10	223	7.1	0.37	2.1	1.3	0.22	C
4	16	53	21.9	19-24.2	155-30.2	0.1*	1.2	12	151	14.1	0.14	0.9		0.18	C
4	16	54	43.4	20- 3.6	155-27.7	2.2	1.7	11	234	25.1	4.70	4.9	14.8	0.26	D
4	17	3	32.5	19-20.2	155-12.1	6.2	1.0	14	186	4.3	0.14	1.0	0.6	0.16	C
4	17	13	22.1	19-18.3	155-17.2	29.8	1.5	10	194	2.6	0.38	1.7	3.4	0.07	C
4	18	18	32.5	19-19.3	155-14.3	30.3	2.2	17	188	4.9	0.26	1.5	2.1	0.13	C
4	19	46	33.9	19-20.9	155-12.5	0.7	0.5	6	194	2.9	0.14	0.5	0.5	0.04	B
4	21	33	44.0	19-19.2	155- 9.1	5.8	0.8	12	205	5.6	0.34	2.1	1.4	0.23	C
5	0	45	8.1	19-25.8	155-26.7?	8.2	1.6	15	208	9.6	0.11	0.7	0.4	0.09	C
5	3	20	56.7	19-27.3	155-16.7	21.4	1.7	10	307	3.8	0.09	1.5	0.8	0.04	C
5	3	22	57.8	18-55.2	155- 2.2	2.3	1.9	19	287	51.0	0.74	9.6	11.9	0.21	D
5	7	50	55.9	19-19.5	155- 6.9?	5.5	1.7	17	207	7.1	0.38	2.3	1.6	0.33	D
6	5	6	52.7	19-19.8	155-16.9	6.1	1.0	11	187	1.1	0.13	1.0	0.6	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 6	7	20	32.6	19-23.5	155- 2.8	2.1	1.8	14	257	12.5	0.80	3.4	2.6	0.25	D
6	7	55	24.1	19-32.6	155- 9.6	27.2	3.5	19	82	19.2	0.23	1.1	3.0	0.13	B
6	14	9	24.0	19-23.9	155-24.4	8.0*	1.0	10	206	7.2	0.17	1.1		0.12	C
6	14	29	55.1	19-18.5	155-15.1	13.3	0.8	7	207	5.0	0.31	1.3	2.4	0.05	C
6	16	9	29.4	19- 0.3	155-24.1	5.0*	1.7	12	299	34.0	0.42	2.3		0.18	D
6	16	12	45.4	19-21.8	155-10.6?	12.0	1.4	8	176	1.5	0.35	2.2	2.6	0.07	C
6	19	41	37.1	19-23.1	155- 7.7?	1.3	1.4	12	176	4.2	0.24	2.0	2.3	0.26	C
7	1	56	34.5	19-22.3	155-27.4?	6.2	1.1	13	129	8.2	1.35	1.3	4.7	0.23	C
7	5	8	10.0	19-22.4	155-29.7?	3.3	1.7	13	142	12.0	0.17	1.6	5.0	0.18	B
7	7	38	2.4	19-49.0	155-22.4	21.2	1.7	9	281	9.7	0.46	3.1	3.3	0.09	D
7	8	52	11.1	19-47.8	155-23.8?	25.0	1.9	17	210	6.6	0.33	2.0	6.4	0.11	C
7	8	57	53.6	19-21.2	155- 1.7?	0.0	1.5	14	213	14.3	5.95	2.2	11.4	0.21	C
7	12	41	6.5	19-11.5	155-24.5?	8.0*		12	233	15.8	0.81	5.6		0.60	D
7	16	44	4.8	19-53.7	155-20.4	28.5	1.5	14	297	17.7	0.73	3.7	4.6	0.05	D
7	17	5	26.5	19-23.2	155-37.1	8.0*	2.2	8	243	15.3	0.24	1.6		0.08	D
7	20	0	42.3	19-24.0	155-24.5	6.1	2.2	14	138	8.3	0.13	0.9	0.8	0.14	B
7	22	32	2.1	19-19.4	155- 0.8?	39.9		10	229	16.6	0.45	2.5	4.2	0.06	C
7	22	37	59.9	19-47.8	155-22.8	20.6	1.4	14	208	8.3	0.43	2.2	4.4	0.10	C
8	0	49	28.0	19-21.2	155-11.4	3.5	0.9	10	187	3.2	0.24	1.5	1.7	0.17	C
8	0	58	6.7	19-24.1	155-24.4	2.9	1.5	11	206	7.5	0.15	0.8	1.3	0.11	C
8	3	9	24.9	19-50.1	155-23.4	26.0	1.5	17	168	9.4	0.12	0.7	1.7	0.08	B
8	4	13	36.9	19-55.3	155-20.6	5.2		12	244	19.7	0.54	2.3	2.1	0.06	C
8	8	35	44.4	19-21.5	155-11.7	6.8	2.3	16	171	2.3	0.09	0.8	0.5	0.15	C
8	9	29	52.4	19-23.1	155-12.2?	0.7	1.5	10	145	4.6	2.78	1.3	10.4	0.22	C
8	22	4	38.5	19-20.4	155- 7.7	7.5	3.3	17	199	4.9	0.25	1.7	0.8	0.21	C
9	0	58	30.6	19-15.8	155- 4.1?	0.0	2.0	12	241	15.4	2.08	4.2	22.2	0.28	D
9	5	36	36.3	19-19.9	155-15.6	6.2	0.8	13	168	3.3	0.16	1.0	0.8	0.16	C
9	7	41	10.6	19-22.9	155-17.2?	3.0	1.0	8	77	1.1	0.42	2.1	4.4	0.23	B
9	17	3	40.7	19-47.5	155-22.3	13.8	2.2	14	262	30.7	0.19	1.7	1.9	0.05	C
9	19	54	11.8	19-26.2	155-29.0	8.0*	2.0	16	150	12.1	0.06	0.5		0.09	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 9	22	35	25.4	19-20.3	155- 6.7?	0.0	2.1	16	203	6.5	4.80	1.3	9.0	0.15	C
9	22	45	12.0	19-19.2	155-14.9	5.5		12	192	4.6	0.20	1.2	1.0	0.17	C
10	0	32	3.1	19-24.1	155-16.9	15.2	1.2	13	112	1.3	0.06	0.5	0.7	0.06	A
10	3	10	3.4	19-21.2	155-10.8	3.9	0.6	9	202	2.5	0.17	1.1	1.1	0.10	C
10	14	46	21.6	19-22.9	155-22.7	5.1	0.5	12	158	5.1	0.07	0.5	0.7	0.09	B
10	18	19	59.5	19-25.9	155-14.4	30.3	1.8	13	112	6.2	0.22	1.1	2.1	0.09	B
10	18	42	55.1	19-20.6	155-11.1?	8.2	1.3	12	185	3.5	0.09	0.7	0.5	0.09	C
10	23	25	24.0	19-18.9	155-13.2	3.1	0.9	11	215	6.5	0.31	1.6	2.1	0.22	C
11	0	1	14.3	19-20.0	155-17.4	6.1	1.1	9	162	0.2	0.10	0.6	0.5	0.06	B
11	0	25	18.0	19-18.7	155-12.5	8.0*	0.8	8	225	7.5	0.20	1.3		0.10	C
11	2	39	7.7	19-20.6	155-13.5	6.0	0.9	12	175	3.8	0.20	1.3	1.0	0.20	C
11	9	18	24.4	19-20.2	155-11.9	8.9	0.7	12	205	4.4	0.16	0.8	1.3	0.06	B
11	10	56	35.0	19-15.0	155-33.9?	2.8	2.4	12	188	5.7	0.16	1.7	1.2	0.12	C
11	11	22	51.8	19-21.6	155- 9.4	7.6	1.2	12	281	1.1	0.17	1.2	0.4	0.07	C
11	11	26	0.4	19-20.6	155-10.5?	13.0	1.9	10	227	3.1	0.76	2.7	9.4	0.21	D
11	12	28	51.7	20-59.5	155-44.1?	13.2	3.5	20	336	59.1	0.24	3.8	5.2	0.11	D
11	17	12	56.1	19-20.7	155-12.3	8.0*		8	187	5.2	0.08	0.7		0.06	C
11	17	17	1.4	19-19.4	155- 7.4	2.4	2.0	18	206	6.4	0.22	1.2	1.3	0.20	C
11	17	54	9.5	19-17.2	155-27.0	4.7		10	171	8.6	0.19	1.5	2.0	0.19	C
11	21	3	38.4	19-26.7	155-23.4	8.0*	1.6	14	170	5.0	0.10	0.8		0.12	C
12	0	3	4.8	19-17.8	155- 0.1	4.1	2.1	13	241	18.7	0.30	1.9	1.3	0.15	C
12	10	4	44.5	19-17.9	155-15.5	6.2		13	210	5.3	0.25	1.5	0.9	0.22	C
12	21	14	59.3	19-24.4	155-23.6	8.0*	1.6	13	187	6.9	0.08	0.5		0.09	C
12	22	40	32.7	19-18.2	155-15.5	6.7	1.0	11	198	4.8	0.11	0.8	0.5	0.10	B
13	0	6	42.3	19-24.9	155-25.3	6.0	1.7	13	223	9.3	0.28	1.4	1.0	0.17	C
13	0	31	20.3	19-19.6	155-16.0	7.1	1.6	16	170	2.7	0.09	0.7	0.4	0.12	C
13	2	29	49.5	19-21.0	155-28.4	8.0*	1.9	11	174	9.0	0.10	1.0		0.11	C
13	3	8	18.6	19-35.8	155-11.3	25.7*		13	292	22.0	0.16	1.2		0.04	D
13	4	38	32.1	19-12.7	155-55.9?	0.1	3.1	17	292	33.2	0.50	7.4	2.6	0.18	D
13	5	6	55.8	19-20.7	155-23.2	7.2	1.7	12	159	1.0	0.13	1.0	0.5	0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 13	6	59	48.9	19-11.9	155-31.7	3.3	1.7	11	241	10.9	0.46	2.7	1.2	0.13	D
13	9	8	44.2	19-20.6	155-12.6?	6.7	2.1	15	179	3.5	0.12	1.0	0.6	0.15	C
13	9	40	34.3	19-23.9	155-24.1	8.2	3.6	19	102	6.9	0.06	0.6	1.1	0.14	B
13	10	18	41.2	19-19.3	155-12.9	7.3	1.7	9	210	6.3	0.19	1.3	0.8	0.12	C
13	11	4	3.1	19-17.5	155-25.7	9.4	1.9	10	170	6.5	0.21	1.8	3.0	0.21	C
13	11	37	19.1	19-28.1	155-17.1?	5.9	1.6	8	316	5.2	1.67	10.1	8.6	0.36	D
13	13	23	45.1	19-19.0	155-25.2?	6.8	1.9	11	151	4.0	0.18	1.6	2.5	0.22	C
13	15	59	24.8	19-25.1	155-15.1	20.3	2.5	16	86	3.3	0.11	0.8	1.2	0.11	B
13	16	0	19.8	19-54.7	155-21.9	8.0*	2.0	14	286	36.0	0.71	4.3		0.08	D
13	17	49	1.3	19-20.9	155-12.4	7.5	2.0	15	177	2.9	0.07	0.6	0.3	0.10	C
13	18	33	33.0	19-19.8	155-18.4	21.7		12	114	1.8	0.50	1.7	4.3	0.10	B
14	1	49	11.9	19-20.6	155-11.7	7.7	1.3	9	184	3.8	0.09	0.9	1.2	0.07	B
14	2	2	5.0	19-19.8	155-11.7	6.7	1.6	14	192	5.2	0.14	1.0	0.6	0.15	C
14	2	26	19.6	19-23.9	155-17.3	19.2		12	116	1.3	0.15	0.8	1.4	0.07	A
14	2	28	45.6	19-24.1	155-17.2	19.6	1.8	14	90	1.1	0.18	0.9	1.7	0.09	A
14	11	25	2.2	19-23.8	155-16.8	7.5	1.3	8	160	0.7	0.06	0.5	0.3	0.03	B
14	11	27	2.5	19-24.9	155-16.5	9.9	1.6	10	178	0.9	0.14	0.6	1.0	0.05	B
14	12	3	36.0	19-23.8	155-23.5	5.4	1.6	14	127	6.7	0.09	0.6	0.8	0.13	B
14	12	7	31.7	19-21.9	155-21.8?	0.0		9	131	4.2	2.26	1.0	4.5	0.22	C
14	15	31	50.8	19-20.1	155- 5.2	1.5	2.4	16	208	8.9	0.54	1.5	2.0	0.19	C
14	16	35	32.2	19-19.4	155-16.0	6.8	2.0	17	174	2.8	0.10	0.7	0.5	0.15	C
14	22	14	56.3	19-19.1	155-15.0	7.1	1.9	17	188	4.6	0.13	0.9	0.6	0.17	C
15	2	13	11.2	19-19.0	155-12.9	8.0*	0.7	11	197	6.6	0.14	1.0		0.12	C
15	4	2	51.4	19-17.4	155-21.2	36.7	1.9	16	247	4.6	0.21	1.5	1.5	0.11	C
15	4	32	54.4	19-11.0	155-31.9?	3.1	2.4	15	246	11.6	0.52	2.9	1.6	0.16	D
15	6	13	0.0	19-19.4	155-14.8	5.6	1.6	17	214	4.5	0.15	1.0	0.7	0.20	C
15	7	13	34.5	19-19.6	155-11.6	2.0*	2.0	6	241	5.6	0.31	1.6		0.09	D
15	7	28	33.6	19-20.4	155-12.2	5.6	1.5	12	194	3.8	0.19	1.3	0.8	0.18	C
15	12	59	51.5	19-19.2	155-12.5	5.4	1.8	11	219	6.9	0.27	1.6	1.3	0.19	C
15	17	10	9.4	19-18.4	155-27.4	5.5	1.9	15	156	7.9	0.14	1.2	1.2	0.23	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 15	18	27	26.7	19-23.8	155-24.9	8.0*	1.0	9	217	7.3	0.11	0.7		0.07	C
15	18	43	41.4	19-20.1	155-11.7	9.7	1.2	8	210	4.6	0.11	0.5	1.0	0.03	B
16	3	20	54.7	19-21.5	155-13.6	7.0	1.0	15	152	2.7	0.06	0.5	0.3	0.10	B
16	5	4	43.9	19-24.2	155-17.6	8.0	1.2	9	106	0.9	0.06	0.4	0.3	0.04	A
16	5	5	47.3	19-23.7	155-16.8	8.2	1.3	10	155	0.6	0.06	0.4	0.4	0.03	B
16	15	22	2.8	19-19.7	155- 4.6?	1.3	2.5	15	212	14.8	3.20	2.9	11.4	0.26	D
16	16	8	59.7	19-21.2	155-25.0?	6.8	3.1	18	120	3.6	0.12	1.2	1.9	0.23	B
16	16	44	22.4	19-37.4	155- 8.0	5.8	2.0	17	97	11.8	0.18	1.1	2.4	0.14	B
16	17	51	57.5	18-59.2	155-12.8	31.9	2.2	15	297	36.1	0.32	2.9	3.5	0.12	D
16	20	50	28.9	19- 7.1	155-38.2	5.1	2.4	14	265	14.5	0.87	3.6	2.7	0.14	D
16	21	3	5.8	19- 5.3	155-39.9?	5.3	3.4	22	269	18.4	0.79	4.2	2.9	0.36	D
16	21	36	58.3	19-23.4	155-26.4	5.8	1.9	14	127	8.1	0.12	0.8	1.1	0.15	B
16	22	41	34.9	19-49.1	155-51.2?	13.6*	2.2	8	297	41.6	0.63	3.8		0.21	D
16	23	8	13.2	19-22.1	155-25.3?	3.8	1.2	12	118	4.9	0.15	1.4	2.7	0.19	B
17	0	2	17.4	19-22.1	155-27.4	1.5	1.0	13	128	8.0	0.54	0.9	2.0	0.17	B
17	0	3	35.7	19-22.2	155-27.4	1.2	1.1	14	128	8.0	0.56	0.9	2.1	0.18	B
17	2	13	29.2	19-21.1	155-11.8	7.7	1.4	15	178	2.8	0.07	0.6	0.3	0.10	B
17	4	17	36.0	19-24.8	154-48.0?	41.5*	2.0	11	308	12.1	0.15	1.5		0.08	D
17	10	20	54.9	19-22.4	155-28.2	8.0*	1.8	14	163	9.4	0.13	1.2		0.17	C
17	11	58	56.7	19-19.2	155-15.0	6.6	1.7	15	192	4.5	0.16	1.0	0.7	0.18	C
17	11	59	57.9	19-20.9	155-14.1	5.9	1.9	18	161	2.6	0.14	1.0	0.8	0.23	C
17	12	39	18.7	19-22.7	155-22.5	8.0	1.4	14	153	4.7	0.07	0.6	0.4	0.10	B
17	17	12	51.4	19-15.9	155-13.5	8.0*	1.5	11	263	9.7	0.41	2.3		0.14	D
17	19	25	9.9	19-24.6	155-25.0	6.3	2.0	18	124	8.7	0.14	0.9	0.9	0.22	C
17	19	33	23.7	19- 0.3	155-18.0	34.1	2.6	12	289	24.3	1.44	7.3	8.3	0.11	D
17	19	33	27.4	18-50.3	155-15.5?	8.0*	2.7	16	288	106.4	0.77	4.9		0.26	D
17	19	37	20.3	19-19.8	155-15.6	8.5	1.5	15	162	3.3	0.13	0.9	1.3	0.14	C
18	0	54	42.5	19-20.4	155-12.8	5.7	1.8	18	168	3.9	0.15	1.1	0.8	0.21	D
18	4	34	20.7	19- 8.9	155-34.1	7.0	3.0	18	234	11.0	0.35	2.2	1.0	0.16	C
18	7	8	59.1	19-25.3	155-22.7	8.0*	0.8	11	167	5.5	0.08	0.6		0.10	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 18	13	57	30.4	19-21.0	155-11.2	10.2		8	195	3.1	0.19	0.9	1.6	0.04	B
18	17	44	2.4	19-14.6	155-17.8	8.7	1.2	10	299	6.4	1.20	6.2	3.4	0.10	D
18	17	44	34.8	19-18.8	155-16.4	6.9	1.7	14	183	2.9	0.11	0.8	0.6	0.14	C
18	18	27	33.0	19-17.6	156- 9.2	53.6*	2.3	15	309	35.0	0.37	3.0		0.11	D
18	18	30	37.9	19-22.6	155-22.5	6.4	1.5	12	156	4.6	0.17	0.5	1.8	0.10	B
18	21	53	15.1	19-25.6	155-24.4	8.0*	1.6	13	183	7.4	0.06	0.5		0.07	C
19	1	57	20.5	19-21.4	155-49.3?	6.7	2.8	17	211	20.9	0.91	5.3	16.3	0.17	D
19	11	17	48.9	19-19.7	155-15.2	34.0	2.2	13	177	3.9	1.44	5.1	12.1	0.22	D
19	18	37	19.7	19-19.8	155-24.6	8.1	2.0	16	107	2.3	0.08	0.8	1.3	0.16	B
19	18	56	43.9	19-27.5	155-46.7	11.3	3.3	16	150	16.5	0.11	1.9	3.1	0.14	B
19	20	39	26.0	19-19.7	155-24.4	9.2	1.5	13	141	2.2	0.11	1.0	1.5	0.15	B
19	20	48	44.6	19-20.3	155-10.5?	8.6	0.9	9	234	3.6	0.26	1.6	1.2	0.12	C
19	21	44	53.7	19-47.1	155-46.3?	0.0	3.5	22	243	32.7	0.40	3.6	0.9	0.19	D
20	6	11	18.3	19-25.8	155-29.0	8.0*	1.4	10	198	12.4	0.08	0.6		0.06	C
21	18	56	53.7	19-31.3	155-43.3	9.7	2.2	12	184	21.0	0.20	2.4	2.9	0.15	C
22	1	1	37.3	19-26.2	155-22.1?	0.0	1.4	12	119	6.2	2.38	3.1	4.2	0.56	C
22	1	2	50.7	19-25.2	155-27.0	2.8	2.5	19	76	10.6	0.19	1.1	1.7	0.26	B
22	11	23	9.6	19-22.1	155-30.1	8.0*	2.0	11	177	12.5	0.12	1.1		0.12	C
22	19	51	55.7	19-22.0	155-14.9	20.0	1.8	13	133	0.7	0.28	1.1	2.5	0.08	B
22	20	41	22.0	19-23.0	155-51.1?	2.2*	2.7	13	213	16.8	0.14	1.3		0.13	C
22	23	47	40.4	19-17.6	155-10.4?	8.0*		9	265	8.3	0.48	4.0		0.34	D
23	1	43	23.8	19- 9.3	155-34.8	9.1	2.4	17	230	11.1	0.25	1.8	1.1	0.16	C
23	16	48	54.7	19-19.7	155-16.7	9.3	1.2	9	195	1.5	0.20	0.9	1.5	0.04	B
23	23	20	5.8	19-43.3	155-44.3?	2.2	2.3	9	271	30.1	0.44	10.7	10.3	0.13	D
23	23	44	6.8	19-21.2	155-24.4?	8.7	1.2	15	111	2.7	0.10	0.8	0.6	0.16	B
24	1	2	42.3	19- 8.2	155-24.4	30.5	2.3	18	236	6.5	0.51	3.0	3.9	0.20	D
24	3	19	27.0	19-21.3	155-20.7?	8.0*	1.1	13	96	5.0	0.23	2.3		0.49	C
24	4	44	40.6	19-24.6	155-26.2	8.0*	1.4	14	130	9.5	0.06	0.5		0.09	C
24	7	48	46.8	19-19.3	155- 9.3	8.0*	1.6	9	272	5.3	0.72	4.0		0.14	D
24	11	4	8.4	19-20.9	155-43.4	5.2		10	290	15.6	0.45	2.2	1.1	0.06	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 24	18	25	14.2	19-18.9	155-15.0	9.7		13	197	4.7	0.16	1.1	1.6	0.13	C
24	20	20	48.9	19-24.5	155-17.2	8.9	1.4	9	120	0.6	0.12	0.5	0.9	0.03	A
24	21	41	22.4	19-18.8	155-12.7	10.8		10	222	7.2	0.29	1.2	2.4	0.07	C
25	2	4	56.4	19-20.7	155-11.4	4.0		8	203	3.9	0.22	1.4	1.3	0.09	C
25	4	43	2.6	19-20.2	155-19.4?	6.4	2.1	15	70	3.5	0.05	0.5	0.5	0.10	B
25	7	42	52.1	19-12.3	155-28.1?	8.0*		11	117	5.2	0.23	2.2		0.33	C
25	10	44	2.5	19-18.6	155-13.2	8.0*		9	221	7.0	0.19	1.3		0.12	C
25	12	26	3.7	19-46.4	155-30.7?	17.9*	1.8	9	250	5.6	7.42	0.0		0.29	D
25	17	13	23.2	19-20.9	155-17.9	25.2	1.3	13	78	1.8	0.39	1.4	3.4	0.08	B
25	18	53	58.1	19-18.5	155-13.1	8.2	1.3	9	220	8.0	0.22	1.6	2.6	0.12	C
25	20	0	22.9	19-22.7	155-23.1	6.8	1.1	13	166	4.6	0.10	0.7	0.8	0.11	C
26	1	51	40.3	19-22.6	155-23.2	3.6	1.2	12	110	4.4	0.11	0.9	1.5	0.17	B
26	2	53	25.6	19-20.8	155-11.1	7.4	1.6	12	204	3.3	0.15	1.1	0.5	0.12	C
26	2	55	28.9	19-21.0	155-11.0	7.9	1.8	13	202	2.9	0.15	1.2	0.5	0.11	C
26	6	27	31.8	19-21.3	155-10.5	10.9	1.2	8	209	1.9	0.30	1.3	2.2	0.05	C
26	6	53	15.0	20- 3.6	156-15.3?	0.1	3.5	22	303	58.1	0.29	7.9	2.3	0.17	D
26	9	12	57.8	19-20.8	155-29.4?	8.1	0.7	9	133	10.8	0.15	1.0	1.0	0.10	B
26	10	16	21.3	19-13.8	155-27.4	8.0*	1.5	10	122	8.0	0.17	1.7		0.24	C
26	11	8	48.0	19-24.2	155-29.0	8.0*	1.2	16	144	12.4	0.07	0.6		0.11	C
26	19	50	47.1	19-18.2	155-13.5	5.5	1.5	10	225	7.4	0.36	1.9	1.2	0.19	C
26	22	16	45.2	19-21.9	155- 4.2	17.6*	1.6	10	332	9.8	0.32	2.6		0.07	D
27	11	20	5.3	19-21.5	155-19.1	1.8*	1.2	9	82	3.9	0.04	0.3		0.07	B
27	12	58	6.7	19-25.1	155-17.6	12.5	1.7	13	114	0.5	0.12	0.5	0.9	0.06	A
27	22	48	5.9	19-28.1	155-27.8	8.0*	1.8	14	147	8.5	0.06	0.4		0.07	C
28	9	3	27.5	19-21.1	155-24.1?	7.4	1.6	12	110	2.1	0.14	1.1	1.1	0.19	B
28	14	8	10.0	19-20.2	155-13.4	5.6	1.8	18	171	4.4	0.17	1.1	0.9	0.24	D
28	19	36	38.2	19-20.2	155-12.8	6.2	1.7	19	168	4.3	0.12	0.9	0.6	0.19	C
28	19	38	53.7	19-20.4	155-13.2	6.2	1.8	18	166	4.0	0.13	1.0	0.8	0.20	C
28	19	57	36.5	19-23.4	155- 1.0?	0.0	2.0	13	199	15.5	6.77	2.2	12.9	0.24	C
28	20	23	2.0	19-55.4	155-45.0	12.7*	2.3	17	275	34.4	0.47	3.0		0.11	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
FEB 28	22	53	13.8	19-25.5	155-24.1	6.9	1.7	13	179	8.1	0.15	1.1	0.9	0.15	C
1	0	59	5.7	19-19.9	155-13.2	9.7	1.1	10	193	5.0	0.25	1.3	2.2	0.11	C
1	5	19	4.5	19-25.4	154-58.0?	0.1	1.6	11	198	10.4	4.98	1.4	9.4	0.14	C
1	7	53	9.9	19-17.8	155-15.0	6.2	1.6	14	187	5.9	0.19	1.2	0.9	0.19	C
1	16	11	23.5	19-25.9	155-25.5	8.0*	1.0	11	195	8.1	0.11	0.7		0.09	C
1	21	46	25.5	19-25.9	155-27.2	8.0*	1.1	11	212	9.9	0.10	0.7		0.07	C
1	21	49	42.7	19- 9.0	155-37.0	8.9	2.3	17	235	10.9	0.28	1.9	1.1	0.14	C
1	21	56	55.4	20-10.6	155-35.6	8.0*	2.4	11	289	19.5	1.04	6.6		0.15	D
2	1	17	14.6	19-52.0	155-29.1	8.0*	1.8	10	208	29.0	0.22	3.7		0.09	C
2	2	25	42.9	19-22.0	155-23.8?	6.8	1.7	14	111	3.4	0.07	0.7	1.3	0.12	B
2	5	3	29.4	19-24.4	155-23.5	8.0*	1.6	15	185	6.8	0.09	0.6		0.10	C
2	12	57	60.0	19-19.5	155-11.5	8.0*	1.7	10	225	5.7	0.32	2.1		0.17	C
2	15	51	20.9	19-20.8	155-23.7	5.9	1.3	8	216	1.3	0.52	1.8	3.3	0.09	C
2	19	1	27.2	19-17.7	155- 8.5?	8.0*	2.0	6	286	8.4	3.17	16.9		0.34	D
2	21	35	40.8	19-23.2	155-28.1?	5.4	2.0	16	103	10.0	0.11	1.1	3.0	0.17	B
3	4	5	51.3	19-20.6	155-13.2	8.7	1.2	10	178	4.2	0.17	1.0	1.8	0.09	C
3	11	2	12.8	19-20.4	155-12.7	4.7		12	189	3.9	0.25	1.4	1.5	0.24	C
3	14	59	40.7	19-29.9	155-50.3?	0.0	2.6	14	145	9.1	5.46	2.0	29.0	0.17	C
3	15	32	37.9	19- 7.2	155-18.0	26.8	2.4	14	256	17.7	0.65	3.3	5.0	0.10	D
4	0	53	1.1	19-17.0	155-29.5?	8.0*		11	169	13.9	0.31	3.5		0.33	D
4	3	41	56.3	19-16.4	155-19.2	14.4	2.0	13	280	3.0	0.65	3.8	5.0	0.24	D
4	6	38	21.2	19-20.0	155-10.8	8.2		9	232	4.2	0.36	1.7	2.6	0.07	C
4	12	39	51.2	19-25.2	155-25.6	8.0*		8	228	9.3	0.20	1.3		0.09	D
4	16	34	5.9	19-23.8	155- 1.6?	0.0	2.4	19	183	14.7	6.98	2.3	13.1	0.34	D
4	16	49	34.7	19-20.5	155-24.6	6.1		12	109	2.3	0.13	1.1	1.1	0.19	B
4	18	36	33.1	19-20.5	155- 6.4	1.8	2.4	18	186	6.7	1.31	1.1	4.6	0.16	C
4	20	48	54.3	19-23.5	155-22.7	8.7	1.6	16	111	5.3	0.09	0.8	1.7	0.13	B
4	23	22	33.2	19-11.9	155-51.9?	44.5*	2.7	13	254	36.1	1.14	24.1		1.77	D
5	2	54	52.1	19-22.3	155-24.0	6.4	1.8	14	113	4.0	0.09	0.9	1.1	0.17	B
5	5	52	6.1	19-23.7	155-25.5	8.0*		11	229	7.5	0.18	1.1		0.11	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 5	20	28	7.6	19-18.0	155-13.6	6.3	2.8	20	178	7.6	0.27	1.6	1.1	0.29	C
5	20	33	15.1	19-18.2	155-14.8	9.8	1.3	9	215	5.7	0.32	1.6	2.6	0.11	C
6	3	2	25.3	19-25.1	155-52.6	10.3	2.6	17	212	12.1	0.18	1.9	1.4	0.13	C
6	3	28	9.9	19-20.3	155-26.6	3.4	1.5	12	135	5.9	0.14	1.1	2.1	0.19	B
6	11	8	27.8	19-38.8	155-36.4	8.7	2.0	8	159	21.6	0.09	1.0	1.8	0.07	C
6	11	27	33.9	19-24.0	155-25.0	8.0*	1.1	10	219	7.7	0.14	0.9		0.08	C
6	12	50	32.0	19-53.6	155-27.2?	14.2*	2.2	8	328	12.4	0.63	5.4		0.18	D
6	13	36	2.2	19-19.6	155- 8.9	7.3	2.2	15	202	5.0	0.21	1.4	0.6	0.15	C
6	14	1	5.7	19-21.3	155-19.4	21.7	2.0	13	82	4.0	0.20	1.2	1.7	0.11	B
6	17	55	0.3	19-23.4	155-25.6	8.3	1.5	12	210	7.3	0.12	0.8	0.4	0.09	B
6	21	38	58.3	19-17.5	155-15.0?	8.4	1.1	12	216	6.5	0.22	1.6	1.6	0.16	C
6	21	49	1.3	19-23.6	155-23.8	8.0*	1.1	11	193	6.4	0.20	1.3		0.19	C
7	9	53	51.0	19-17.7	155-18.8	31.0	3.3	20	161	0.6	0.15	0.9	1.3	0.10	B
7	19	55	50.8	19-17.3	155-16.2	31.7	1.8	17	173	4.5	0.15	0.8	1.4	0.09	B
7	22	7	37.5	19-19.9	155- 9.7	5.5	1.6	11	197	4.1	0.24	1.6	1.0	0.17	C
8	12	44	28.6	19-21.3	155-13.9	6.6	2.0	17	149	2.6	0.10	0.8	0.6	0.16	B
8	14	23	27.1	18-49.1	155-14.4	8.0*	2.8	13	293	53.8	1.26	7.8		0.18	D
8	14	23	31.4	19- 1.7	155-20.3?	47.4	3.8	20	267	19.6	0.31	1.8	3.3	0.17	C
8	17	2	14.2	19-23.3	155-25.6	2.3	2.1	16	70	7.0	0.12	0.8	1.4	0.18	B
8	21	21	50.7	19-26.6	155-22.6	10.5	1.7	12	163	3.8	0.17	0.7	1.7	0.07	B
8	21	24	20.4	19-13.6	155-26.1	8.0*		10	143	8.3	0.17	1.8		0.23	C
8	23	9	27.0	19-20.1	155-10.9	7.9		12	192	4.2	0.10	0.8	0.4	0.10	B
8	23	11	1.1	19-16.5	155-14.2	11.4	1.2	10	253	8.1	0.33	2.6	1.1	0.13	D
9	2	4	1.6	19-23.4	155-25.0	6.5	1.7	11	201	6.6	0.27	1.7	2.0	0.23	C
9	4	22	58.2	19-20.5	155-12.8	6.2	1.8	19	168	3.7	0.11	0.9	0.6	0.19	C
9	16	20	23.9	19-27.3	155-36.2	8.0*	2.6	9	254	22.9	0.24	1.5		0.08	D
9	21	52	24.9	19-24.4	155-29.0	8.0*		11	236	12.6	0.20	1.2		0.09	D
9	21	53	50.2	19-15.1	155-26.2	2.4		10	139	10.7	0.07	0.6	1.2	0.09	B
9	23	51	8.0	19-27.9	155-37.0	8.0*	2.6	11	260	23.9	0.22	1.4		0.09	D
10	5	39	5.2	19-20.1	155- 2.8?	0.0	1.4	14	217	12.7	6.85	2.4	13.1	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 10	8	18	34.9	19-13.0	155-32.0	4.4	2.3	16	161	9.6	0.11	0.9	0.9	0.12	C
10	8	19	32.4	19-12.8	155-32.1	4.0		12	165	9.5	0.12	1.0	0.9	0.10	C
10	12	13	37.5	19-26.7	155-57.7?	8.0*		10	266	9.3	0.47	6.6		0.59	D
10	13	40	6.2	19-19.1	155-13.8	5.2	0.9	13	204	5.6	0.24	1.3	1.1	0.20	C
10	14	55	3.4	19-26.9	155-24.9	8.0*	1.7	12	186	6.1	0.07	0.5		0.08	C
10	15	14	42.1	19-19.2	155-13.9	5.5		13	202	5.4	0.23	1.3	1.0	0.19	C
10	15	35	5.4	19-10.4	155-32.2	6.2	2.4	16	212	7.8	0.27	2.2	1.4	0.18	C
10	16	26	50.0	19-20.9	155-16.0	7.2		11	182	2.0	0.15	1.0	0.6	0.09	C
10	20	18	43.2	19-20.7	155-10.9	4.9	1.0	14	212	3.3	0.24	1.4	1.0	0.18	C
10	20	30	5.6	19-24.1	155-16.4?	2.0		7	193	1.5	0.12	0.8	0.3	0.09	C
11	5	15	9.5	19-22.4	155-18.6	15.9		10	76	3.1	0.24	0.9	2.4	0.06	B
11	11	39	46.0	19-20.1	155-12.5	10.5	1.6	9	198	5.8	0.25	1.2	2.0	0.08	C
11	17	7	49.1	19-22.9	155-22.0	5.4	1.1	10	145	4.2	0.16	0.5	1.8	0.09	B
11	18	41	35.9	19-24.7	155-26.1	8.0*	1.5	12	129	9.6	0.06	0.5		0.10	C
11	19	31	39.7	19-21.5	155-11.3	6.2	1.7	15	177	2.8	0.07	0.6	0.4	0.11	C
12	5	14	51.8	19-16.6	155-23.2	8.0*	1.5	13	139	6.6	0.08	0.8		0.13	C
12	8	29	1.6	19-23.6	155-35.8	8.0*	2.1	12	234	16.2	0.33	2.2		0.16	D
12	10	13	50.9	19-22.1	155-25.0	6.8	1.7	15	117	4.7	0.13	1.1	1.5	0.21	B
12	10	43	13.5	19-18.1	155-16.6	6.8	2.5	18	167	3.5	0.13	1.0	0.6	0.21	C
12	17	51	40.5	19-25.1	155-23.5	8.0*	1.6	14	131	6.7	0.06	0.4		0.08	C
13	4	2	56.4	19-18.1	155- 8.4	3.0	2.0	11	210	7.8	0.42	2.0	2.2	0.19	C
13	14	47	6.0	20- 6.5	155-37.1	21.7	1.9	14	267	12.0	0.35	2.3	2.1	0.09	C
13	16	30	51.2	19-13.9	155-29.7	21.6	1.6	12	121	8.7	0.23	1.0	2.6	0.09	B
13	19	36	19.2	19-23.1	155- 3.9	8.0*	1.3	11	190	10.6	0.10	1.5		0.10	C
13	22	49	36.3	19-19.0	155-12.0	4.9	1.6	15	177	6.8	0.20	1.2	1.1	0.21	C
13	23	28	9.7	19-19.2	155-15.1	5.1	0.9	12	190	4.3	0.23	1.3	1.3	0.21	C
13	23	40	31.9	19-29.6	155-16.8?	8.0*	1.7	9	325	7.9	0.41	4.1		0.38	D
14	0	48	43.2	19-20.8	155-13.9	30.2	1.7	15	158	3.1	0.19	1.1	1.7	0.12	C
14	9	47	38.4	19-20.0	155-12.4	5.2	1.7	12	201	4.5	0.20	1.2	0.9	0.17	C
14	10	13	38.5	19-17.4	155-15.3	6.1	1.7	18	188	5.9	0.19	1.2	0.9	0.23	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 14	10	59	3.6	19-20.7	155-13.8	6.0		9	169	3.3	0.19	1.4	1.0	0.16	C
14	14	39	48.2	19-27.5	155-12.0?	8.0*	2.2	7	321	10.0	3.41	20.2		0.57	D
14	16	7	2.1	19-17.5	154-58.9	7.6	1.9	9	246	23.1	0.86	4.8	6.0	0.16	D
14	16	25	49.4	19-26.3	155-26.2	8.0*	1.7	13	201	8.2	0.16	1.1		0.16	C
14	17	18	55.5	19-19.7	155- 0.6	4.3	2.1	14	227	16.6	0.34	2.3	1.1	0.14	C
14	17	19	55.1	19-23.1	155-10.0	28.4	2.2	19	105	1.9	0.17	1.1	1.5	0.12	B
14	17	21	13.9	19-20.9	155- 0.3	6.5	1.2	10	221	16.8	0.42	3.1	1.4	0.12	C
14	18	5	45.3	19-17.4	155- 5.8?	0.0	2.4	18	203	11.1	6.45	1.4	12.1	0.23	C
14	19	7	58.4	19-27.3	155-40.8	0.2*	2.4	13	122	23.7	0.09	0.7		0.14	C
14	19	30	22.6	19-21.3	155- 3.7	0.0	2.6	17	191	10.8	5.16	1.2	9.7	0.15	C
14	20	11	30.3	19-20.3	155- 3.3?	4.0	2.1	16	214	12.0	0.33	2.2	1.6	0.30	C
14	23	41	36.8	19-20.8	155-25.0	2.3	2.3	17	78	10.8	0.08	0.6	0.9	0.16	B
15	0	23	33.1	19-15.2	155-26.1?	2.8		14	127	10.5	0.58	1.1	2.1	0.21	C
15	1	57	0.6	19-23.4	155-17.1	12.3	1.7	13	77	0.5	0.09	0.6	0.7	0.09	A
15	4	2	10.9	19-21.6	155-23.4	4.9		9	176	2.6	0.14	0.9	1.1	0.13	C
15	4	4	24.6	19-21.6	155-23.3	4.8		9	170	2.6	0.12	0.8	1.0	0.11	C
15	4	20	39.7	19-20.9	155-24.3	6.1	1.5	13	118	2.1	0.13	1.1	1.3	0.20	B
15	4	48	21.5	19-19.0	155- 7.5?	4.1	1.6	13	212	7.0	0.36	2.0	1.9	0.21	C
15	5	22	0.0	19-21.5	155-24.2	4.5	2.1	15	157	2.8	0.14	1.0	1.1	0.18	C
15	7	2	50.0	19-24.7	155-23.2	8.0*	1.5	11	178	6.3	0.06	0.5		0.07	C
15	8	32	3.5	19-20.3	155-21.2	3.3		9	133	3.7	0.13	0.9	1.6	0.14	B
15	11	57	50.6	19-14.2	155-27.4	8.0*		10	120	8.7	0.11	1.2		0.17	B
15	13	51	5.6	19-18.8	155-16.4	8.4	1.6	14	168	3.1	0.14	1.1	1.6	0.17	C
15	17	31	9.4	19-21.7	155-25.0	8.0		9	238	4.1	0.35	2.8	1.5	0.14	D
15	21	48	9.8	19-16.7	155-21.9	3.8	1.8	17	150	6.2	0.12	0.9	1.1	0.18	C
16	20	17	43.8	19-26.4	154-54.4	4.4		7	229	5.1	0.50	3.3	3.1	0.09	D
16	20	53	33.0	19-50.7	155-33.5	13.1	3.4	24	142	25.4	0.19	0.7	2.2	0.13	B
16	21	7	47.8	19-50.0	155-33.7	11.3	1.8	9	164	26.3	0.13	2.1	2.1	0.09	C
16	21	53	16.4	19-17.1	155-22.3	8.0*	1.9	13	139	5.9	0.15	1.3		0.19	C
17	3	7	9.3	19-32.2	156- 5.3	8.0*		11	346	73.5	0.15	2.8		0.06	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 17	3	12	7.8	19-26.4	155-24.1	5.6	2.1	17	161	6.3	0.12	0.8	0.6	0.14	C
17	3	56	14.8	19- 8.8	155-26.2	33.8		17	231	3.3	0.65	2.8	5.1	0.13	D
17	7	20	21.5	19-22.7	155-25.2	8.0*	1.8	7	285	5.6	0.56	3.0		0.07	D
17	14	45	14.3	19-25.1	155-28.7?	2.0	1.8	11	273	12.9	0.30	1.2	2.0	0.14	C
17	17	36	49.4	19-50.6	155-34.1	14.4*	1.8	13	166	25.0	0.06	1.7		0.12	C
17	18	46	45.2	19-26.6	155-15.2?	5.4	1.2	8	306	4.4	1.03	6.0	5.7	0.24	D
17	21	34	35.7	20-26.4	155-26.6?	78.5*	3.3	8	308	127.1	4.63	50.4		1.35	D
17	21	36	44.9	19-50.4	155-48.9	39.9	2.1	13	235	24.4	0.53	2.7	4.1	0.09	D
17	22	41	10.7	19-21.3	155- 7.4	8.0*	1.6	15	143	8.3	0.15	1.6		0.27	C
17	23	2	56.3	19-19.1	155-13.5	9.4	1.5	11	206	5.8	0.17	1.0	1.7	0.10	C
18	0	9	29.9	19-20.6	155-19.8	3.5	1.5	14	108	4.4	0.08	0.5	0.8	0.11	B
18	7	14	12.2	19-21.1	155-16.2	7.2	1.3	10	167	2.0	0.14	1.0	0.6	0.08	C
18	7	16	0.8	19-20.9	155-15.0	8.3	1.4	12	154	1.8	0.09	0.6	0.9	0.09	C
18	10	56	45.9	19-19.8	155-15.9	8.7	1.9	13	159	2.7	0.13	1.0	1.5	0.15	C
18	22	57	7.4	19-22.9	155- 1.9	2.8	1.9	13	144	5.9	0.16	1.1	1.5	0.22	C
19	1	18	24.3	19-21.9	155-12.2	7.9	1.6	12	135	1.3	0.10	1.3	0.6	0.18	B
19	1	46	10.3	19-24.1	155-25.4	7.0	1.3	14	226	8.0	0.20	1.1	0.5	0.13	C
19	4	1	41.8	19-18.9	155-13.5	6.5	2.2	19	173	6.2	0.12	0.9	0.7	0.21	C
19	6	35	48.6	19-21.1	155-12.9	8.4	1.8	16	134	2.7	0.12	1.0	1.8	0.17	C
19	6	38	39.8	19-37.8	155-39.3	13.0*	2.2	11	281	31.6	1.05	6.8		0.20	D
19	10	35	43.3	19-20.4	155-14.0	8.6		11	174	3.4	0.15	1.1	1.7	0.14	C
19	10	41	38.1	19-17.3	155-29.7?	2.1	1.7	11	219	12.4	0.37	2.6	4.2	0.23	C
19	15	40	48.0	19-20.6	155-12.7	8.1	1.5	16	138	3.5	0.11	0.9	1.7	0.15	B
19	16	53	44.9	19-19.6	155-24.1	7.8	1.8	14	165	1.8	0.12	0.9	1.6	0.14	C
20	3	48	21.3	19-25.2	155-37.8?	0.2*	1.8	11	282	26.8	0.60	2.9		0.19	D
20	4	38	52.0	19-31.2	155-40.5	1.1	2.6	17	181	26.0	0.36	1.3	1.3	0.13	C
20	6	36	53.0	19-20.1	155- 8.6	7.4		12	166	4.4	0.15	1.4	0.7	0.18	C
20	10	3	9.3	19-18.8	155-15.7	9.6		10	195	3.9	0.27	1.4	2.2	0.12	C
20	11	55	3.9	19-25.3	155-15.1?	0.0	1.4	9	242	3.3	1.03	1.8	1.4	0.32	D
20	13	13	58.6	19-20.8	155- 9.3?	8.1	1.9	16	138	2.5	0.09	0.9	1.7	0.14	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 20	15	35	4.5	19-20.6	155-12.3	10.1		15	151	3.5	0.08	0.5	0.9	0.08	B
20	15	45	25.6	19-14.4	155-10.4	38.9		14	273	15.9	0.20	2.2	1.6	0.10	C
20	18	20	50.5	19-23.3	155-24.4	8.0*	1.7	16	208	6.0	0.19	1.1		0.16	C
20	19	7	59.8	19-19.9	155- 9.2	7.6		14	168	4.2	0.12	1.1	0.6	0.16	C
20	23	17	41.7	19-21.0	155-12.9	8.3	1.7	17	134	2.9	0.07	0.7	1.2	0.12	B
21	7	3	58.9	19-24.3	155-17.0?	0.8	0.7	9	146	1.1	0.29	1.0	0.9	0.24	C
21	7	26	52.6	19-21.6	155-28.3	5.3	2.2	18	113	9.1	0.12	0.8	0.9	0.15	B
21	10	9	55.1	19-37.3	155- 8.7	8.0*		13	264	15.6	0.23	1.3		0.12	D
21	14	15	4.5	19-21.7	155- 4.9?	7.9	2.1	10	127	4.9	0.14	1.0	2.2	0.14	C
21	22	7	16.4	19-21.1	155-20.1	25.3	1.6	14	96	4.8	0.24	1.6	1.8	0.13	B
21	22	37	58.9	19-24.1	155-15.8	2.2*	0.9	8	222	2.2	0.20	1.2		0.12	C
22	0	28	9.9	19-55.5	155-36.0?	12.8*	2.7	17	172	15.8	0.07	1.5		0.11	C
22	1	28	15.7	19-51.7	155-27.0	6.8	2.3	16	166	32.2	0.32	1.4	2.5	0.17	C
22	4	21	58.6	19-22.4	155-23.6	5.7		13	190	4.1	0.10	0.6	0.5	0.08	B
22	5	53	32.0	19-23.9	155-17.1	16.6	2.6	20	34	1.1	0.07	0.6	0.9	0.11	B
22	6	36	31.2	19-10.2	155-26.1	29.1	1.9	10	199	3.4	0.48	2.1	4.0	0.06	C
22	6	38	17.0	19-10.0	155-26.4	31.3		13	191	2.7	0.46	2.1	3.7	0.08	C
22	6	41	59.9	19-10.6	155-24.8	28.5		10	205	5.8	0.44	2.0	3.8	0.07	C
22	16	32	26.6	19-20.1	155-25.6?	6.6	1.8	10	181	4.0	0.15	1.2	1.6	0.15	C
22	18	54	56.5	19-22.8	155-23.9	8.0*	2.2	13	169	5.0	0.08	0.6		0.10	C
22	19	43	57.6	19-12.1	155-34.5	3.7	2.3	12	278	12.6	0.42	2.2	1.4	0.15	C
23	0	58	40.4	19-20.6	155-13.0	7.3	1.5	16	168	3.6	0.11	0.9	0.6	0.15	C
23	4	39	49.8	19-19.9	155-13.3	8.0*	1.7	15	143	5.0	0.07	0.6		0.12	C
23	9	14	19.5	19-20.8	155-19.6	1.8*		10	99	4.0	0.07	0.4		0.10	B
23	22	10	55.0	19-22.0	155-23.6	6.7	2.3	19	89	3.3	0.07	0.5	0.4	0.13	B
24	1	32	25.0	19-24.3	155-36.4	9.1	2.3	14	201	24.1	0.25	1.7	3.0	0.12	C
24	3	32	12.6	19- 3.1	155- 8.4	12.5		17	260	32.5	0.63	3.4	7.1	0.17	D
24	16	20	32.1	19-20.5	155- 7.7?	8.3		15	158	4.8	0.13	1.0	2.1	0.13	C
24	18	30	11.4	19-22.4	155-22.9	7.4	1.6	17	86	4.1	0.07	0.5	0.4	0.12	B
24	18	48	53.6	19-23.9	155-25.7	8.0*	1.8	16	233	8.0	0.27	1.6		0.14	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 24	19	46	19.0	19-15.3	155-21.0	8.0*		15	154	6.4	0.16	1.3		0.20	C
24	21	43	52.5	19-17.3	155-24.1	4.0	1.7	13	158	5.6	0.16	1.2	1.6	0.20	C
24	23	57	21.7	19-19.1	155- 6.8	7.9	2.2	17	186	6.9	0.16	1.4	0.9	0.18	C
25	12	57	14.7	19-19.4	155- 7.8	8.0*	2.2	12	178	6.1	0.12	1.2		0.12	C
25	13	50	30.0	19-15.6	155-23.1	8.0*	2.0	11	154	13.0	0.15	1.7		0.18	C
25	18	46	25.8	19-24.2	155-15.9	1.7	0.9	10	113	2.1	0.12	0.5	0.4	0.09	B
25	20	40	4.4	19-12.9	155-22.4	8.0*	2.0	10	185	11.4	0.24	2.3		0.22	C
26	0	47	40.8	19-24.8	155-17.3	7.7	1.2	8	96	0.5	0.03	0.3	0.2	0.02	A
26	0	48	32.6	19-24.2	155-17.3	5.8	1.1	8	122	1.4	0.08	0.4	0.5	0.03	B
26	5	37	0.4	19-22.2	154-59.7	8.3	2.2	13	191	7.1	0.29	2.5	3.2	0.27	C
26	7	32	10.9	19-19.8	155-13.1	8.0*	1.6	12	162	5.2	0.09	0.8		0.13	C
26	11	18	30.9	19-52.1	155-39.8	13.6*	2.1	20	135	18.5	0.06	0.7		0.12	C
26	19	37	35.6	19- 9.9	155-17.0?	13.9*	1.8	10	215	19.0	0.27	2.1		0.22	C
26	19	58	34.9	19-11.1	155-20.8	47.2	2.5	13	193	12.7	0.73	2.6	6.2	0.12	C
26	20	7	24.8	19-19.6	155-15.8	27.9	2.1	13	150	3.0	0.32	1.3	2.8	0.09	B
26	20	8	12.9	19-11.6	155-21.0?	61.9		14	188	12.4	1.76	5.2	14.5	0.19	D
26	21	0	55.3	19-19.9	155-10.6	7.9	1.9	14	165	4.3	0.10	0.9	0.4	0.11	C
26	21	28	26.2	19-20.8	155- 8.3	8.6	2.0	13	154	3.5	0.10	1.0	1.9	0.13	C
26	22	39	12.8	19-26.6	155-11.5?	8.0*	1.3	15	138	8.8	0.17	1.6		0.36	C
27	0	12	26.3	19-21.6	155-29.9	4.4	2.0	13	121	11.9	0.18	1.1	1.6	0.15	B
27	2	16	49.4	19-20.9	155-10.9	7.6	1.9	12	185	3.0	0.09	0.9	1.0	0.09	B
27	3	58	20.7	19- 9.1	155-38.3	5.1	1.2	11	314	18.4	0.48	4.4	3.3	0.16	D
27	6	33	34.9	19-20.5	155-12.9	8.3	1.8	15	151	3.7	0.07	0.6	1.0	0.10	B
27	10	36	51.4	19-19.2	155-10.8	8.0*	1.9	12	176	5.6	0.13	1.1		0.15	C
27	14	50	53.9	18-51.7	155- 6.0	8.0*	2.5	15	293	50.6	1.03	6.4		0.14	D
27	17	19	17.3	19-13.0	155-18.6	38.1	2.4	15	183	9.2	0.19	1.4	1.7	0.10	C
27	18	44	58.9	19-19.0	155-38.1	2.9	2.1	11	278	25.0	1.61	7.0	4.5	0.30	D
27	22	30	34.2	19-41.8	155-18.1	36.7	2.2	15	288	23.9	0.23	1.5	2.2	0.09	C
27	23	4	51.4	19-45.9	156-15.7	15.9*	2.8	15	294	44.8	0.40	2.9		0.17	D
28	1	51	27.0	19-25.1	155-23.5	8.0*	1.7	12	168	7.2	0.14	1.0		0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAR 28	2	3	0.7	19-25.4	155-23.8	8.0*	1.6	13	172	7.8	0.21	1.5		0.22	D
28	14	35	7.0	19-20.6	155-11.6	8.2	1.9	14	155	4.0	0.06	0.6	1.0	0.10	B
28	17	2	57.4	19-20.1	155-10.6	8.0	3.0	19	146	4.0	0.12	0.8	0.6	0.15	B
28	17	45	10.4	19-23.5	155-25.0	6.3	2.5	18	94	6.8	0.09	0.6	0.6	0.12	B
29	5	7	25.0	20- 6.3	155-35.6?	8.0*	2.6	7	338	70.7	1.10	13.5		0.36	D
29	5	11	59.3	19-19.7	155- 8.6	9.2	1.9	12	171	4.8	0.09	0.7	1.3	0.08	B
29	6	40	39.8	19-22.9	155-21.9	6.7	2.1	18	79	5.6	0.07	0.6	0.5	0.13	B
29	7	6	27.5	19-21.5	155- 3.1?	8.2	2.2	13	122	3.0	0.11	1.3	0.9	0.14	B
29	10	5	47.3	19-27.6	155-25.0	5.5	2.2	15	206	5.1	0.17	1.0	0.8	0.15	C
29	11	40	9.8	19-34.9	155-20.2	20.1	2.2	16	210	10.9	0.29	1.8	3.1	0.12	C
29	16	54	3.3	19-19.8	155-18.1	25.5	1.9	12	106	1.3	0.17	1.3	1.4	0.11	B
29	17	44	4.2	19-25.1	155-17.1	14.0		14	163	0.4	0.08	0.7	0.7	0.09	B
30	3	7	10.4	19-27.4	155-33.6	8.0*		8	321	18.5	1.84	9.1		0.06	D
30	4	37	34.6	20- 4.7	156-35.0	3.0	3.8	22	321	83.8	0.28	14.7	15.9	0.18	D
30	9	10	3.5	19-18.9	155-15.9	9.1	1.9	10	189	3.5	0.21	1.1	1.7	0.10	C
30	9	14	22.2	19-21.0	155-23.3	6.3	1.7	11	177	1.5	0.33	1.0	2.3	0.10	C
30	9	15	44.3	19-21.1	155-23.2	6.1	1.7	11	173	1.6	0.34	1.0	2.4	0.10	C
30	10	45	32.6	19-26.0	155-24.2	8.0*	1.7	15	181	6.9	0.15	1.0		0.18	C
31	0	17	42.9	19-59.6	156- 1.7?	1.5*		16	331	34.6	0.32	2.0		0.17	D
31	1	8	56.6	20-16.5	156-13.4	13.9*	3.7	21	317	54.5	0.21	1.6		0.13	D
31	5	58	37.1	19-19.6	155-15.8	6.6	1.9	13	174	3.0	0.13	0.8	0.7	0.15	C
31	6	50	56.1	19-13.9	155-11.7	43.0	2.3	11	275	14.2	0.27	2.6	2.0	0.08	D
31	10	41	25.3	19-22.6	155-23.3	7.0		14	180	4.4	0.12	0.7	0.6	0.11	C
31	22	24	36.3	19-24.1	155-17.6?	7.5	1.3	10	102	1.1	0.21	2.1	1.4	0.31	C

Table 11.--Felt Earthquakes

Date	Time H	M	S	Magnitude	Felt Report
Jan. 19	00	40	45.9	3.6	Honokaa, Kamuela, Kainaliu
Feb. 3	01	56	04.9	3.7	Keaau, Mt. View, Hilo, Kalapana
8	22	04	38.5	3.3	Volcano
11	12	28	51.7	3.5	Kealakekua
13	09	40	34.3	3.6	Volcano
16	16	08	59.7	3.1	Kapapala
19	18	56	43.9	3.3	Kamuela, Kapapala
19	21	44	53.7	3.5	Kapapala, Honokaa, Kealakekua
Mar. 16	20	53	33.0	3.4	Paauilo, Honokaa, Kukuihaele
28	17	02	57.4	3.0	Hilo
30	04	37	34.6	3.8	Kohala, Kamuela
31	01	08	56.6	3.7	Kamuela

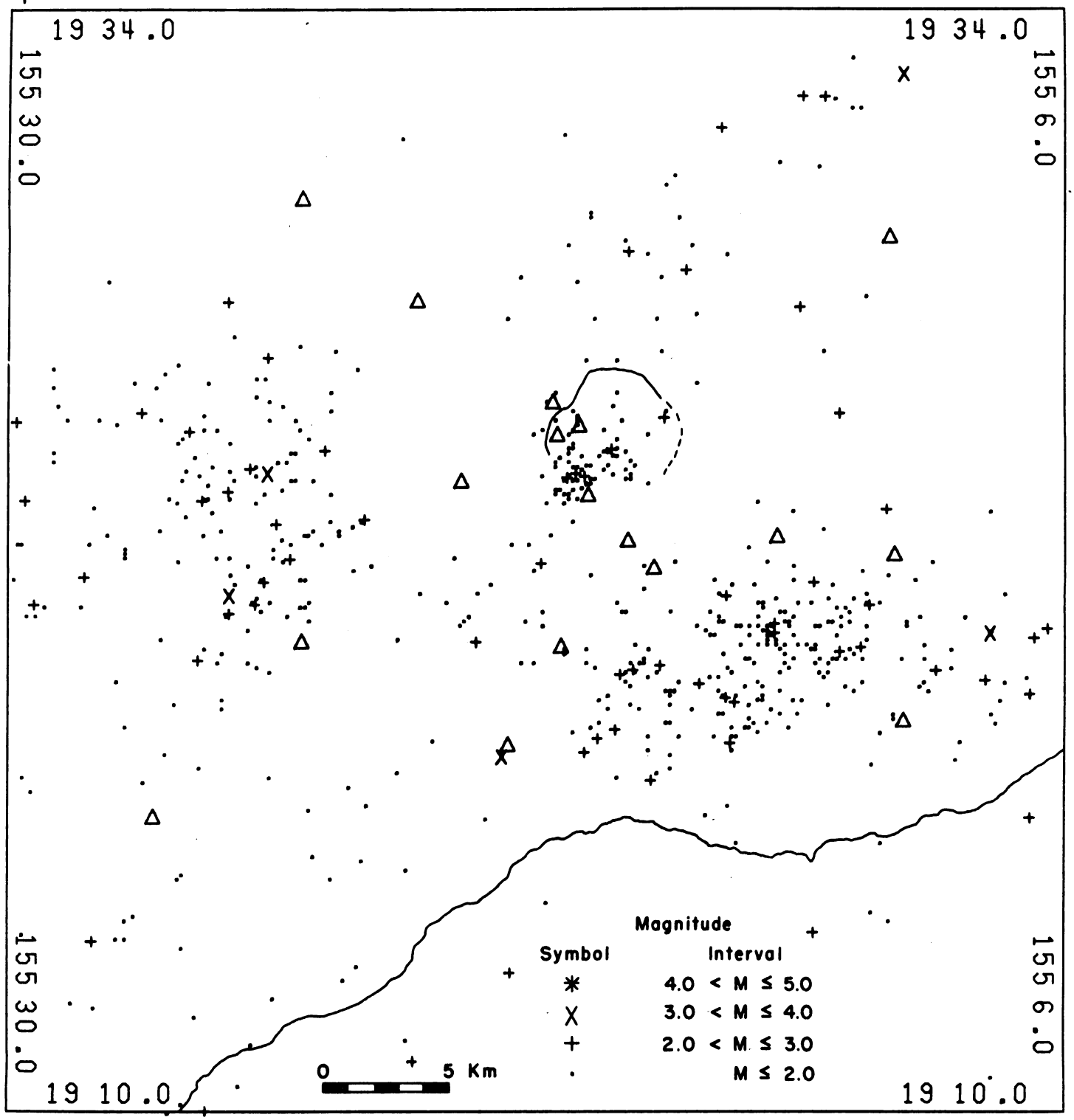

Figure 6.--Plot of epicenters in the Kilauea region. Triangles are seismometer locations. Kilauea Caldera and the major pit craters on the east rift are shown in outline. The Pacific Ocean lies in the lower right portion of the illustration.

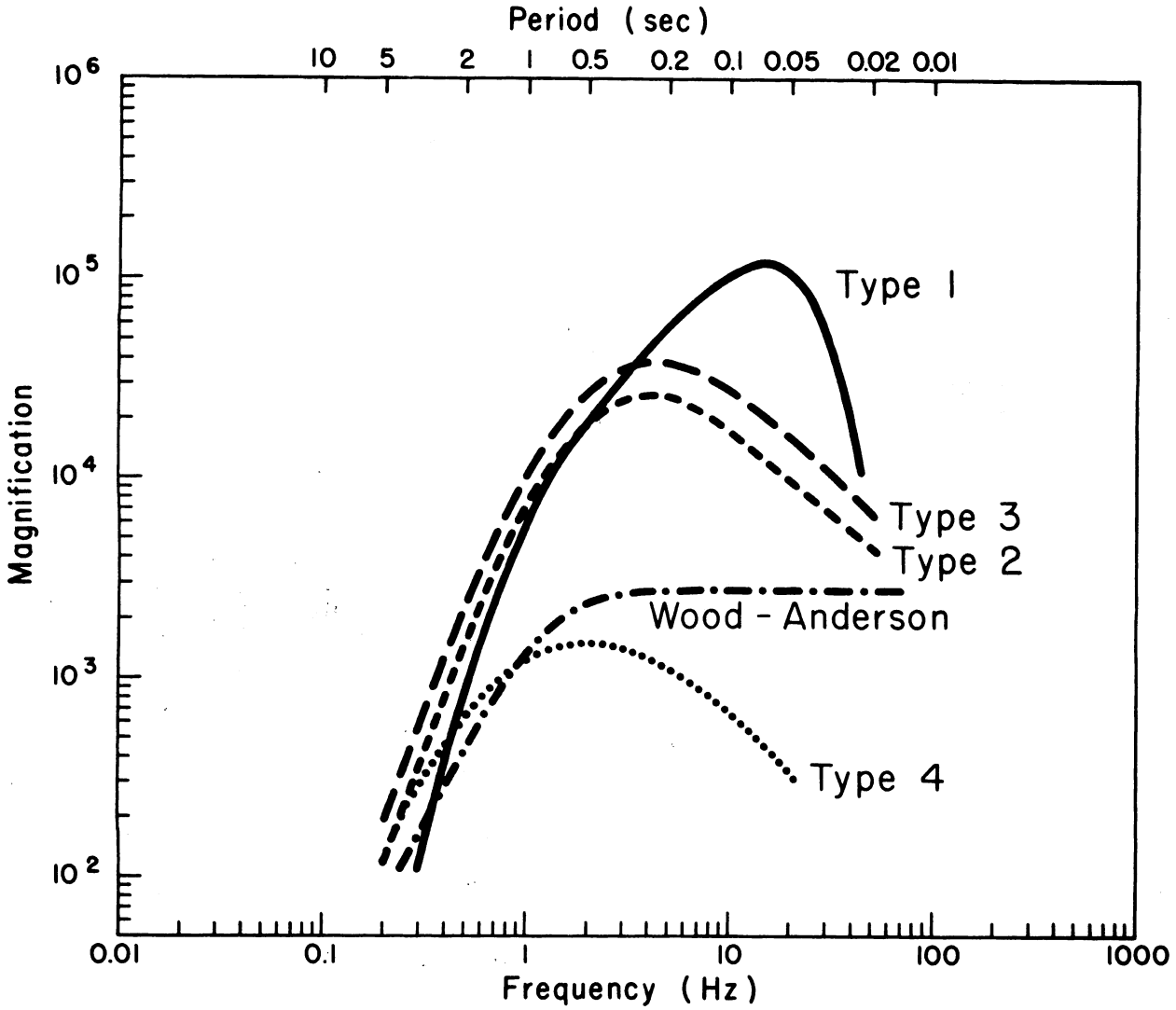

Figure 7.--System response curves for the Wood-Anderson torsion seismograph and for the four different types of seismometer-amplifier (or galvanometer) combinations in use by the Hawaiian Volcano Observatory.

Table 12. Seismometer stations in Hawaii operated by the U. S. Geological Survey.

STATION NAME	CODE	LAT-N	LONG-W	ELEV	TYPE	CAL	VCO	RADIO	REMARKS
AHUA	AHU	19 22.40	155 15.90	1070	3	6.0	2380		
CONE PEAK	CPK	19 23.70	155 19.70	1038	3	1.34			
DESERT	DES	19 20.20	155 23.30	815	3	1.34			
EAST KOAE	EKO	19 22.17	155 14.99	1009	3				
HALE POHAKU	HPU	19 46.85	155 27.50	3396	1	5.6	1360	RF6	
HILINA PALI	HLP	19 17.96	155 18.63	707	3	6.0	2040		
KAHUKU	KHU	19 14.90	155 37.10	1939	1	5.7	1700	RF3	
KEANAKOLU	KKU	19 53.39	155 20.58	1863	1	4.8	2380	RF7	Installed 3/23/71
KIPUKA NENE	KPN	19 20.10	155 17.40	924	3	1.34			
MAUNA LOA	MLO	19 29.80	155 23.30	2010	3	6.5	1360		
MAUNA LOA X	MLX	19 27.60	155 20.70	1475	3	1.34			
MAKAOPUHI	MPR	19 22.07	155 9.85	881	1	5.7	2720	RF5	
MOUNTAIN VIEW	MTV	19 30.25	155 3.75	409	1	6.2	680	RF8	Installed 3/4/71
NORTH PIT	NPT	19 24.90	155 17.00	1115	3	1.34			
OUTLET	OTL	19 23.38	155 16.94	1038	3	5.0			
PUU HULUHULU	PHH	19 22.45	155 12.66	988	3				
PUU HONUAULA	PHO	19 28.90	154 53.40	215	1	6.5	2720	RF1	
PUU PILI	PPL	19 9.50	155 27.87	35	1	4.4	1360	RF11	Installed 2/17/71
SOUTH POINT	SPT	18 58.91	155 39.92	244	1	7.8	2040	RF7	Installed 3/10/71
WAHAULA	WHA	19 19.90	155 2.92	29	1	6.0	680	RF9	Installed 3/2/71
WEST PIT	WPT	19 24.70	155 17.50	1115	3	1.34			
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	0	1.0			Wood-Anderson
HALEAKALA NS	HAN	20 46.00	156 15.00	2090	0	1.0			Wood-Anderson
HILO Z	HIL	19 43.20	155 5.30	20	3	1.0			
HILO EW	HIE	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
HILO NS	HIN	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
KAMUELA	KAM	20 1.90	155 42.00	740	2	0.7			
KEALAKEKUA Z	KLK	19 31.20	155 55.30	505	2	1.0			
KEALAKEKUA EW	KLE	19 31.20	155 55.30	505	2	0.34			
KEALAKEKUA NS	KLN	19 31.20	155 55.30	505	2	0.34			
KIPAPA	KIP	21 25.40	158 .90	76	3	0.56			
UWEKAHUNA Z	UWE	19 25.40	155 17.60	1240	3	0.7			
UWEKAHUNA Z	USZ	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA EW	USE	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA PEZ		19 25.40	155 17.60	1240					15-90 Press Ewing
UWEKAHUNA PEE		19 25.40	155 17.60	1240					
UWEKAHUNA PEN		19 25.40	155 17.60	1240					

Seismic System Response

Magnitudes calculated by a modified version of "HYPOLAYR" are based on record amplitudes reduced to the equivalent amplitude that would have been read on the seismogram from a Wood-Anderson seismograph if located at the site of the more sensitive seismometer or seismograph (Eaton and others, 1970). Table 14 lists the four different instrument responses that are used for the HVO 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 response of the Wood-Anderson seismometer. Figure 7 is a graphic comparison of the four different responses to the response of the Wood-Anderson seismograph. The telemetered systems (Type 1 & 3) unit response curves are determined from the calculated output of a standard 1 sec. period geophone whose output has been set, using a resistor network for 0.5 volts/cm/sec. (0.8 critical damping) and the measured electronics response of the system. The peak response for the electronics is very close to 5 Hz, hence to determine the total electronic gain of a specific station and ultimately the system magnification a 5 Hz sine wave calibration signal is periodically applied at the seismometer input of the preamp/VCO to verify the sensitivity of the electronics at individual stations during routine maintenance.

The 5 Hz calibration signal put in at 10, 100, and 1000 microvolts rms levels is reduced to a 10 microvolt equivalent for use as the calibration factor or CAL. The CAL factor represents the peak to peak value of the sine wave record (read on a film reader with 20X magnification) produced by the 5 Hz signals (in millimeters). Each system response in Table 14 and Figure 7 assumes a station calibration factor of 1.0 (normal CAL for a 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 14. For example, at 10 Hz MLO has an approximate magnification of 1,230,000 [log (base 10) 2800 + log (base 10) 67.61 + log (base 10) 6.5 = 1,230,470X].

Response curves and magnifications for systems 2 and 4 are determined from similar calculated or experimental values. Where the responses of amplifiers are poorly known the instrument types are not listed. Zeros correspond to Wood-Anderson torsion seismographs.

Table 13.--Seismic Instrumentation Types

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.

Type 2. Consists of:

a) EV-17 - Electrotech EV-17 1.0 sec. period moving magnet vertical or horizontal component seismometer.

b) 3.5 Hz galvanometer with appropriate shunt resistances for critical damping. System is poorly calibrated.

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.

Table 14.--System Response Arrays - Log Magnification.

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

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 the 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 17.

Table 15.--Tilt Coordinates at Uwekahuna,

January, February, and March 1971

Date	N-S	E-W	Date	N-S	E-W
Jan. 3	546	354	Feb. 21	544	366
10	545	353	28	544	367
17	545	360	Mar. 7	545	366
24	544	359	14	545	369
31	544	359	21	545	370
Feb. 7	544	361	28	546	371
14	543	365			

Table 16.--Tilt coordinates and changes at bases around Kilauea caldera. (See Fig. 4)

Tilt Base		Date (1970)	*Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1970)
Uwekahuna	(U on Fig. 8)	27 Apr.	614.8	397.5	1.42	S67.0Deg.E	25 Jan.
Tree Molds	(TM)	26 Apr.	533.9	478.3	0.54	S10.6Deg.W	25 Jan.
Sand Spit	(SS)	27 Apr.	1026.2	610.7	2.20	S35.8Deg.E	26 Jan.
Mehana	(M)	26 Apr.	597.6	590.1	1.02	N24.9Deg.W	25 Jan.
Keamoku	(Kea)	26 Apr.	570.8	442.8	0.82	N28.8Deg.E	2 Feb.
Ahua Kamokukolau	(Kam)	27 Apr.	505.6	501.9	3.67	N 3.1Deg.W	26 Jan.
Kipuka Nene	(KN)	28 Apr.	289.1	502.0	0.18	N11.3Deg.N	3 Feb.
Hilina Pali	(HP)	Not occupied this epoch					
Kapapala Ranch	(Kap)	Not occupied this epoch					

* See Table 8, HVO Summary 60.

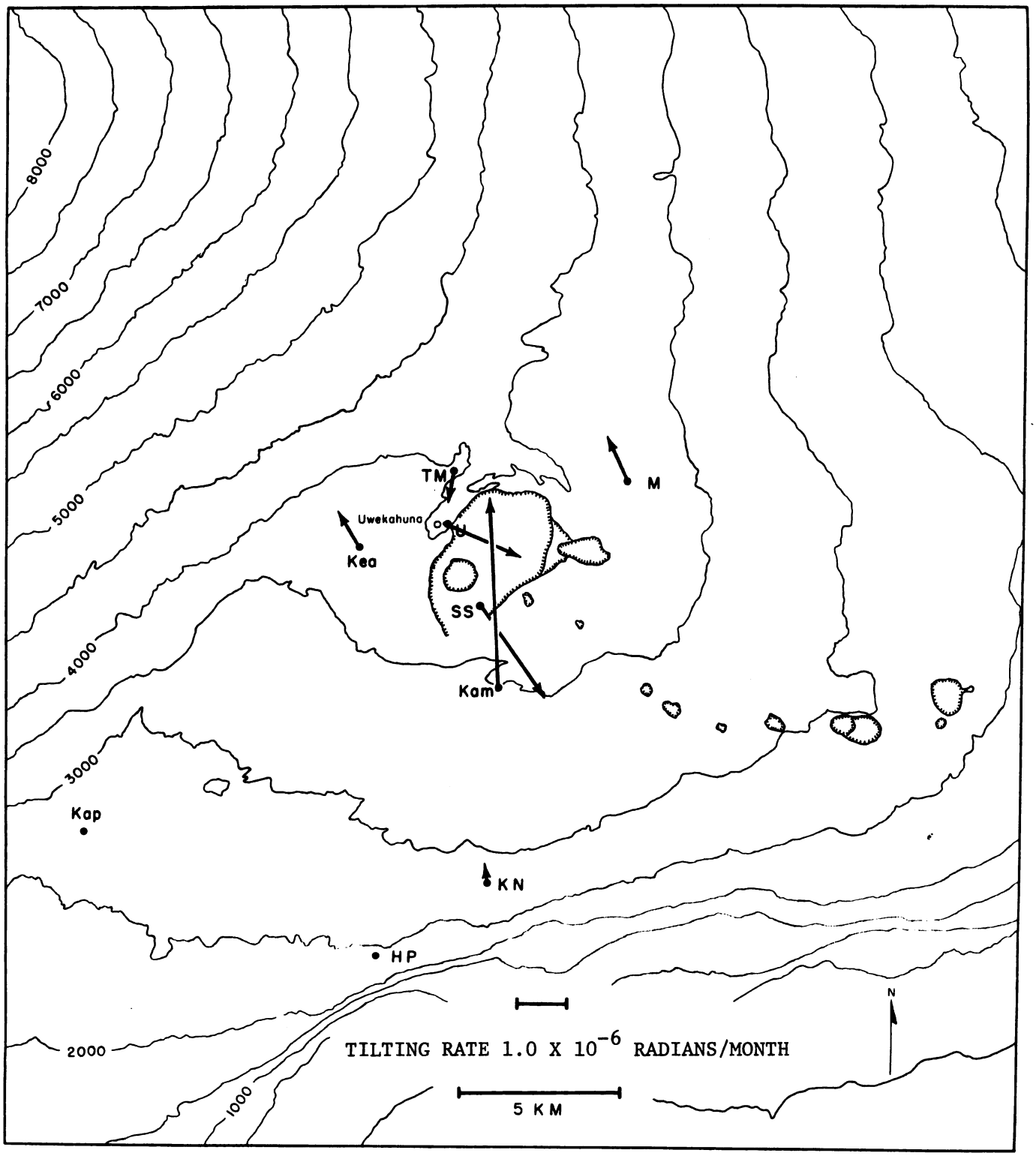

Figure 8.--Tilting of the ground around Kilauea Caldera. The vector depicting tilting at a given tilt base points in the direction of maximum relative subsidence, and its length is proportional to the rate of tilting during the measurement interval. Closed circles represent field tilt bases; open circles, short-base watertube tiltmeters. See Table 16 for explanation of abbreviations.

Table 17.--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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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Hawaiian Volcano Observatory

Summary 62

April, May, and June 1971

By
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Chronological Summary
By
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Illustrations

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INTRODUCTION

Summary No. 62 is the sixth in a series of summaries produced through the cooperative efforts of the Hawaiian Volcano Observatory and the U. S. Geological Survey's National Center for Earthquake Research (NCER). Seismic data collected by Observatory personnel are processed in Menlo Park by the use of a number of different but readily available computer facilities. Earthquake data are received by NCER in the form of computer coded data sheets that include most of the pertinent seismogram readings for each event. For preliminary processing the data are punched on computer cards. Cards are listed and checked, and detected errors are corrected prior to actual processing for hypocenter locations using a modified version of the location program HYPOLAYR (Eaton, 1969). The first computer outputs are sent back to the Observatory for the verification of input earthquake data. Errors in the original input are corrected and the data reprocessed with the location program.

During what may be a final run for earthquake locations, appropriate output cards from the location program are obtained for further data processing with other computer programs; e.g., epicenter-hypocenter computer plots and first motion plots. The input deck and output cards are stored for further analysis. In addition, for earthquakes since 1969, hypocenter cards for each located earthquake are kept on file. During a year an attempt is made to locate 3000-6000 earthquakes. Up to 100,000 computer cards are manipulated several times before satisfactory preliminary hypocenter solutions are obtained. It is estimated that there is less than a one per cent error in data cards in the manipulation of this large amount of earthquake data. Figure 1 illustrates in flow chart form the most important steps in the Hawaiian earthquake data processing.

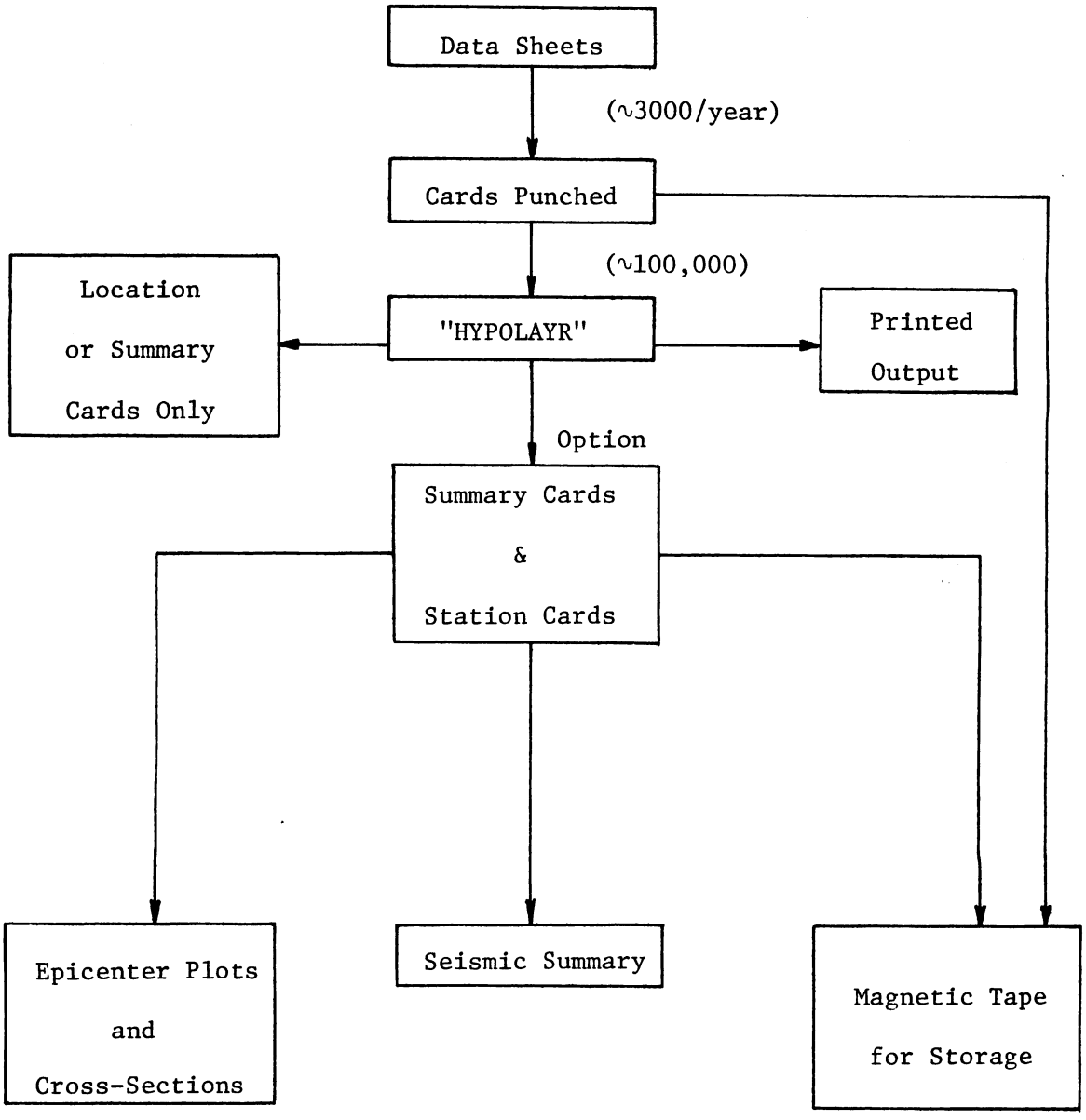

Figure 1.--Flow Chart for Hawaiian Earthquake Data Processing.

CHRONOLOGICAL SUMMARY

April-June 1971 (2nd quarter of 1971)

The Mauna Ulu eruption continued throughout this quarter, entering its third year of continuous activity on May 24. The main features of the first two years of eruption were described by Swanson and others (1971). In May the eruption appeared as vigorous as it had during the preceding several months, but June marked the onset of decreased intensity of eruption that continued about 4 months to the eventual cessation of eruption at Mauna Ulu late in 1971.

The ever-narrowing bridge between the summit crater and the trench on the east flank finally collapsed by April 13. The trench part of the resulting composite collapse feature was about 430 m long and 40 to 60 m wide at the time the bridge collapsed, and the rubble-strewn floor of the trench was 15 to 50 m below the rim. The part occupied by the summit crater was somewhat shorter and wider than the trench, resulting in a crudely keyhole-shape in plan view for the overall collapse structure. Throughout this quarter the width of the collapsed area grew by repeated rock falls from the steep, unstable walls, and a nearly rectangular depression, about 100 m by 600 m, eventually formed.

During most of the quarter, lava continued to flow from the continuously circulating lake in the summit crater beneath the rubble-strewn floor of the trench and then through the tube leading into Alae. Similarly, lava was simultaneously fed from Alae into the tube system leading to the seacoast of Kealakomo. However, during the latter part of the quarter, this entire system began to dry up. Lava ceased flowing into the sea at Kealakomo on May 14. The tube system south of Alae remained active into early June, but thereafter no flowing lava could be seen through skylights in the tubes, suggesting cessation of activity there, too. Meanwhile, the surface of the lake in the crater at Mauna Ulu dropped from about 60 to 75 meters below the crater rim, and by the end of the quarter, this lake, the only remaining visible molten lava, showed signs of stagnation.

Between March and May tube-fed lava flows reaching the sea added about 470,000 m^2 of new land to the island. On April 19 a team of divers examined the underwater part of the lava delta while the lava was actively flowing; detailed observations are reported by Moore and others (1973).

Summit ground deformation during this quarter was slight. During the first month, tilt measured at Uwekahuna decreased a few microradians, then levelled off during May, and began a slow but persistent increase in about mid-June.

SEISMIC SUMMARY

Events recorded by the U. S. Geological Survey seismograph network in Hawaii fall into 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 1. 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 2. The location of each seismograph station is listed in Table 4, along with a description of the equipment at each station.

Table 1.--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 a source about 30 km beneath the summit region; Kilauea Summit long-period, earthquakes characterized by low-frequency waves that originate roughly 5 km beneath the summit region; Kilauea Summit Shallow, earthquakes a few km deep in 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 and the adjacent fault systems of Kilauea's south flank; Koae, earthquakes along the northeast-trending Koae fault system south of the caldera; Lower East Rift, earthquakes from the lower east rift zone of Kilauea.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
April 1	18m		Fluctuating at low levels near eruptive site on the upper east rift	6	2	286	17	54	15	(?)	
2				(?)	(?)	148?	2?	16?	11?	1?	Electrical storm; instruments off 10 hours.
3						231?	6	32	7?	(?)	
4					5	251	5	22	9	(?)	
5	12m					168	14	46	10	2?	
6						257	8	42	7	4?	
7					(?)	315	8	16	4	2	Very small LP quakes on WPT?
8				2	1?	247	10	40	11	1?	
9				1	1?	213	2?	30	20	1	
10				8	16	281	12	35	12	1	
11				3		295	7	8	10	3	
12				2		238	5?	21	6	1	
13				1	4	158	12	46	16		
14					9?	198	9	20	8	2	
15				(?)	3?	67?	7?	7?	1?	1?	Electrical storm; instruments off.
16				(?)	(?)	(?)	(?)	56	7?	6	"
17				4?		555	3?	41	10	5	Shallow summ-quakes pick-up at 1300.
18				(?)	(?)	164?	(?)	37?	(?)	6	Electrical storm; instruments off.
19				2		120?	6?	33	5?	1	
20				(?)	(?)	238	6?	30		2	
21				2	5	238?	10	19	18	2	
22	8m			2	2	245	12	30	17	2	
23				5?		126?	5?	15?	8?	3	
24	10m			1	6?	297?	7	37?	18	15?	Flurry of interim depth summit quakes.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
April 25			Fluctuating at low levels near eruptive site on the upper east rift	(?)	10?	230	6	31	17	2	
(Cont.) 26				(?)	18	312	(?)	33	16	5	Second develo-corder installe
27				18?	(?)	250	5	37	2	2	
28		30m		7	17	335	15	36	10	2	
29				12	48?	825	29	31	14	3	
30		10m		5	99	1000	7	11	21	2	
May 1		20m		3	645	1128	6?	23	22	1	
2		11m		1?	7?	1520	10?	38	18	--	Very small LP caldera quakes.
3		14m		1?	3?	172?	31	37	8	1	
4		4		4?	2?	159	19	26?	5	7	
5				5?	3?	195	21	30	6	7	
6				3?	22?	184	24	44	6	8	
7				2	2	149	19	46	17	5	
8	25m			51	17	190	14	40	8	8	
9	7m			4	27	221	14	48	11	1	
10	102m				3?	257	18	60	6	7	
11	120m			1	10	260?	13	65	15	9	
12	20m			3	30?	384	19	31	12	11	
13	15m			1?	28?	332?	30	64	18	1	
14		10		2	25?	362	13	23	28	1	
15		5		3	11?	414	18	15?	21	1	
16					5?	715	21	51	12	4	
17				2	6?	906	16	27	20		Strong rockslide at Mauna Ulu.
18				2	6	1474	9	21	12	3	
19				2	16	1158	14	38	8	2	
20				2	21	917	21	40	23	8	
21				3	15?	1039	13	51	22	5	
22				2	192	587	21	90	13	5	
23				3	51	573	20	25	28	1	
24					(?)	528	17	33	10	11	

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
May 25	9m			2	35	537	14	50	8	8	
(Cont.) 26				5	(?)	686	10	55	7	8	
27				1	1?	1392	19	97	15	9	
28				3	4	931	16	37	21	3	
29	70m	3m		7	2	633	9	32	40	2	
30				3	2	764	18	15?	31	4	
31				10	--	1403?	17	69	11	14	
June 1				3		1576	15?	31	33	7	
2	50m			1	2	1813	12	105	20	12	
3				3	4	2865	14	76	29	6	
4					12	840?	8	47	34	12	Strong wind for several days.
5				3		437?	12	35	57	8	
6				3	5	547?	5?	42	18		
7	6m				6	1651	19	81?	21	8	
8		15m		2	2	2212	14	43	45	4	
9				1	3	1021	9	37	36	2	
10				2	5	1512	14	57	20	11	
11				2?		4233?	10	74	17	14	Strong flurry near OTL 00-03 hours.
12				2		1240	17	78	25	10	
13						671	8	58	53	11	
14				6	21	514	92	79	35	3	
15	15m?			1		207	65	93	61	13	
16				2?		67?	31?	54?	46?	10?	Film record lost 7 hours.
17				2	3	85?	48?	34?	44	3	Strong winds continue.
18				3		110?	8	57	31	2	
19				2	50	146?	13	33	22	2	
20				7	9	137?	22	41	13	3	
21					11	126?	38	71	18	6	
22					16	154?	26	68	20	6	

Low level tremor on the upper east rift

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
June 23			Low level tremor on the upper east rift		32	157?	7	84	25	5	
(Cont.) 24				2	32	208?	17	66	18	17	
25				2	43	260?	19	75	33	4	
26				2	30	161?	27	81	30	4	
27				2	25	204?	20	87	16	6	
28	35m	11m		3	18	365	22	101	16	5	
29					17	300	42	86	30	4	
30				1?	10?	265?	14?	104?	25?	8?	Film record lost 5 hours.

Table 2 is a chronological listing of successfully located earthquakes. For each event the following data are presented:

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

Epicenter in degrees and minutes of North latitude (LAT N) and West longitude (LONG W). Poor convergence of the epicenter solution is indicated by "?".

Depth - depth of focus in km. Assumed depth is indicated by "x".

Mag - magnitude, if determined.

NO - number of stations used in locating earthquakes.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in km to the nearest station.

ERT - standard error of the origin time in seconds.

ERH - standard error of the epicenter in km.

ERZ - standard error of the depth in km.

MD - mean deviation of the time residuals. $\left[= \sum_i R_i/NO \right]$ where R_i is the observed seismic wave arrival time less the computed time at the i^{th} station.

Q - solution quality of the hypocenter. This measure is intended to indicate the general reliability of each solution:

Q	Epicenter	Focal Depth
A	Excellent	Good
B	Good	Fair
C	Fair	Poor
D	Poor	Poor

Q is based both on the nature of the station distribution with respect to the earthquake and the statistical measures of the solution. These two factors are each rated independently according to the following scheme:

Station Distribution

	NO	GAP	DMIN
A	≥8	≤120°	≤DEPTH or 5 km
B	≥6	≤150°	≤2 X DEPTH or 10 km
C	≥6	≤225°	≤50 km
	≥4	≤180°	
D	Others		

Statistical Measures

	ERH(km)	ERZ(km)	MD(sec)	RMAX(sec)*
A	≤1.0	≤2.0	≤0.10	≤0.25
B	≤2.5	≤5.0	≤0.20	≤0.50
C	≤5.0		≤0.30	≤0.75
D	Others			

Q is taken as the average of the ratings from the two schemes, that is, an A and a C yield a B, and two B's yield a B. When the two ratings are only one level apart the lower one is used, that is, an A and a B yield a B (Hamilton and others, 1969).

The criteria for Q are the same as used by the Office of Earthquake Research and Crustal Studies, U. S. Geological Survey.

*RMAX is the maximum residual

SUMMARY OF SEISMIC EVENTS

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 1	0	52	6.8	19-19.9	155-15.8	6.2		11	159	2.9	0.13	1.1	1.0	0.17	C
1	1	22	17.3	19-25.0	155-26.6	6.9		12	210	10.6	0.19	1.1	0.7	0.14	C
1	1	32	21.9	19-19.1	155-13.7	5.6	2.1	14	170	5.7	0.17	1.1	1.3	0.21	C
1	2	54	22.8	19-19.2	155-14.8?	12.3	1.8	14	165	4.9	0.21	1.1	2.0	0.17	C
1	4	52	36.3	19-24.6	155-23.7	8.0*	1.6	13	189	7.6	0.13	0.9		0.10	C
1	6	2	27.9	19-21.2	155-14.6	8.7	1.6	12	133	1.6	0.08	0.6	1.0	0.09	B
1	9	21	16.4	19-21.0	155-11.9	8.0	1.5	10	184	3.0	0.12	0.9	0.4	0.08	C
1	10	21	43.0	19-24.0	155-25.4	8.0*		12	227	8.0	0.17	1.1		0.10	D
1	11	4	52.6	19-23.1	155-23.7	8.0*		16	167	5.4	0.12	0.9		0.15	C
1	12	26	51.1	19-19.0	155- 8.7	8.0*	1.9	11	183	6.0	0.14	1.3		0.13	C
1	14	28	58.4	19-15.1	155-29.9	23.4		10	222	10.9	0.48	2.3	4.3	0.09	C
1	14	41	50.9	19-19.7	155- 8.9	8.5		13	172	4.7	0.11	0.9	2.1	0.11	C
1	17	3	39.9	19-21.9	155-23.3	6.7	2.3	18	88	3.0	0.10	0.8	0.7	0.13	B
1	17	21	3.1	19-22.0	155-23.5	6.2		14	142	3.3	0.09	0.6	0.5	0.10	C
1	19	16	52.2	19-19.6	155-16.0	7.1	2.2	16	139	2.7	0.09	0.8	0.6	0.16	C
1	19	32	46.5	19-21.1	155-16.1	29.9	1.7	12	122	2.0	0.22	1.5	1.8	0.11	B
1	19	37	16.3	19-21.6	155-15.4	30.7	2.0	12	123	0.5	0.22	1.5	1.9	0.10	B
1	20	0	49.1	19-21.0	155-16.1	28.8		16	123	2.0	0.23	0.9	2.1	0.10	B
1	21	12	48.4	19-21.1	155-15.8	28.9		16	126	1.7	0.20	0.8	1.9	0.09	B
1	22	19	31.8	19-21.0	155-15.9	29.9	2.0	15	125	1.8	0.24	1.0	2.2	0.10	B
1	23	23	9.8	19-22.4	155-16.1	22.5	1.8	14	82	0.3	0.21	0.9	1.9	0.08	A
2	2	33	59.5	19-19.6	155- 7.6	8.4		14	242	6.0	0.29	1.8	2.7	0.11	C
2	3	36	36.9	19-20.5	155-34.5?	0.3	1.5	10	318	26.1	5.61	6.0	26.9	0.20	D
2	5	21	49.9	19-18.8	155-10.8	0.9	2.3	17	158	6.3	2.21	1.2	8.1	0.30	C
2	5	56	14.5	19-19.7	155- 7.7	8.0*		14	172	5.7	0.11	0.9		0.11	C
2	6	4	35.3	19-22.3	155-25.7	8.0*		16	188	5.8	0.11	0.7		0.12	C
2	9	14	22.3	19-42.9	155-43.5	45.8	2.6	12	313	42.8	0.17	1.6	2.7	0.05	C
2	10	49	10.2	19-19.1	155- 7.7	8.0*	1.9	13	184	6.7	0.15	1.2		0.17	C
2	11	29	14.7	19-24.3	155-16.0?	2.0	0.7	8	220	2.0	0.42	1.4	0.7	0.10	C
2	12	30	32.5	19-22.7	155-22.7	6.1	1.6	13	162	4.8	0.12	0.7	0.7	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 2	17	41	17.7	19-20.5	155-13.7	8.9	1.8	13	138	3.7	0.10	0.8	1.4	0.14	B
3	9	3	32.0	19-21.6	155-12.4	8.6	1.6	11	131	1.8	0.09	0.8	1.3	0.11	B
3	12	48	37.9	19-20.3	155-13.0	7.4	1.8	10	177	4.2	0.18	1.7	0.7	0.17	C
3	21	45	3.2	19-16.9	155- 5.4	8.0*	2.0	13	243	7.0	0.51	3.3		0.29	D
3	23	27	36.9	19-27.9	155-41.3?	0.0	2.7	12	160	25.3	9.77	2.4	18.4	0.25	C
4	0	34	15.3	19-21.6	155-22.9?	3.9	1.5	6	162	2.7	0.06	0.4	0.5	0.02	C
4	1	34	33.6	19-14.2	155-14.4	8.0*	2.1	9	274	14.2	0.64	3.6		0.26	D
4	2	34	9.5	19-42.1	155-35.5	11.6*	2.4	10	335	31.2	0.34	3.8		0.12	D
4	20	49	41.5	19-11.9	155-32.0	7.6	2.2	14	190	8.5	0.25	2.5	2.5	0.19	C
4	22	57	44.7	19-21.3	155-13.3	7.3	2.9	16	132	2.7	0.09	0.8	0.5	0.16	C
5	5	52	5.8	19-22.5	155-10.0	31.0	3.1	18	82	0.8	0.14	0.8	1.2	0.07	A
5	6	10	58.8	19-23.0	155-21.5?	8.0*	1.4	9	135	6.0	0.18	1.5		0.22	C
5	7	34	22.6	19-23.0	155-22.1?	3.9	1.3	9	149	5.5	0.66	0.8	2.3	0.11	B
5	8	35	21.8	19-23.7	155-17.1	14.9	1.6	12	77	0.9	0.07	0.6	0.8	0.07	A
5	19	45	24.2	19-23.4	155-12.0	5.0		11	108	1.3	0.24	1.3	3.1	0.21	B
6	2	46	52.5	19-20.5	154-59.1?	8.5		9	228	6.8	0.31	3.5	2.3	0.21	D
6	5	10	28.6	19-22.2	155-23.3	4.2	1.5	11	181	3.7	0.16	0.8	1.3	0.12	C
6	8	7	12.1	19-19.9	155-12.1	8.0*		11	227	5.6	0.21	1.4		0.09	D
6	8	9	45.3	19-24.4	155-25.0	8.0*		8	218	8.3	0.12	0.8		0.06	C
6	9	19	8.6	19-15.6	155-21.6	8.0*		12	148	9.0	0.12	1.0		0.15	C
6	23	51	5.2	19-19.9	155-11.6	9.0	1.7	14	164	5.1	0.09	0.7	1.3	0.09	C
7	1	13	27.5	19-24.1	155-17.4	1.3	1.0	10	119	1.1	0.09	0.5	0.5	0.13	B
7	3	42	27.6	19-23.3	155-21.6	4.4	2.0	16	138	3.3	0.11	0.7	0.8	0.16	C
7	4	37	55.8	19-19.5	155-15.6?	8.4		10	177	3.3	0.23	1.5	2.2	0.17	C
7	7	48	26.4	19-23.5	155-25.1	8.0*	2.3	17	184	6.9	0.14	0.9		0.13	C
7	7	54	38.7	19-19.8	155-12.6	8.0*	1.7	11	204	5.1	0.20	1.4		0.18	C
7	11	35	2.9	19-24.0	155-25.9	4.4	1.8	11	236	8.4	0.18	0.9	0.7	0.08	C
7	16	37	1.6	19-23.3	155-25.2	8.0*	1.6	11	225	6.6	0.27	1.6		0.14	C
7	23	40	44.8	19-18.9	155-16.3	8.5	1.5	11	184	2.9	0.25	1.5	2.1	0.17	C
8	0	33	21.1	19-24.7	155-27.8	7.4	1.7	11	220	11.4	0.20	1.2	0.7	0.10	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 8	18	45	33.6	19- 5.2	155-27.7	28.0		14	316	7.9	1.15	5.4	7.5	0.11	D
8	23	21	12.4	19-23.9	155-24.1	8.0*	1.5	15	199	6.9	0.16	1.0		0.13	C
9	2	3	38.9	19-22.1	155-17.1	26.8	2.0	16	89	2.1	0.21	0.9	2.0	0.10	A
9	2	24	2.4	19-21.0	155-14.7	23.6	1.0	15	150	1.7	0.15	0.8	1.4	0.08	B
9	6	11	58.3	19-14.9	155-29.4	2.4	2.3	14	216	10.3	0.26	1.5	1.2	0.16	C
9	11	24	41.9	19-23.7	155-21.3	8.0*	1.6	12	187	6.9	0.08	0.6		0.07	C
10	2	3	11.6	19-20.4	155- 7.3	5.4	2.1	14	161	5.4	0.16	1.1	1.2	0.16	C
10	7	22	47.6	19-18.8	155- 8.5	8.0*		10	186	6.5	0.11	1.0		0.11	C
10	9	24	3.3	19-22.4	155-23.9	7.2	1.7	16	169	4.2	0.10	0.7	0.5	0.13	C
10	9	37	22.0	19-12.9	155-19.9	43.3	2.4	11	220	9.7	1.77	4.7	14.7	0.11	C
10	9	37	32.9	19-19.3	155-17.8	31.4	2.3	17	125	1.7	0.22	1.2	1.9	0.11	B
10	12	39	1.9	19-16.9	154-56.6?	21.2*		10	304	12.3	5.03	0.0		0.36	D
10	15	52	37.2	19-23.8	155-26.4	7.8	2.0	17	101	8.5	0.07	0.5	0.9	0.09	A
10	15	57	12.1	19-19.8	155- 4.6?	7.9	2.3	13	176	2.9	0.15	1.5	1.1	0.17	C
10	18	54	32.9	19-19.6	155-15.7	29.4	2.2	16	140	3.1	0.23	1.1	2.2	0.11	B
10	23	29	51.4	19-20.1	155-10.9	8.4		11	163	4.2	0.08	0.8	1.3	0.06	C
10	23	59	48.3	19-26.0	154-56.1	4.7		10	186	7.2	0.13	1.1	1.0	0.11	C
11	0	38	33.1	19-36.3	155- 4.1	40.0	2.7	17	185	11.2	0.37	1.6	2.9	0.09	C
11	1	14	49.2	19-29.5	155-35.1	5.2		13	287	20.6	0.60	2.5	1.3	0.08	C
11	1	15	23.1	19-31.6	155-37.3	8.0*		12	300	24.8	0.51	3.0		0.09	D
11	4	27	25.5	19-25.1	155-25.8	8.0*	2.4	16	200	9.8	0.17	1.1		0.13	C
11	7	5	6.9	19-19.6	155-15.9	6.9		14	161	2.8	0.09	0.7	0.6	0.13	C
11	10	39	19.4	19-16.5	155-27.5	6.1	2.0	10	194	10.0	0.23	1.7	1.1	0.18	C
11	11	2	34.7	19-19.6	155-13.3	8.0*	1.4	12	164	5.3	0.11	0.9		0.16	C
11	12	36	57.6	19-22.1	155-23.4	6.5	1.5	10	162	3.5	0.10	0.8	0.7	0.13	C
11	13	35	11.4	19-20.7	155-16.8	25.5	1.8	17	119	1.4	0.20	0.9	1.9	0.11	B
11	15	25	41.1	19-20.2	155-17.3	8.0	1.3	8	157	0.2	0.03	0.3	0.2	0.03	B
11	17	31	44.8	19-36.6	155-16.0	8.0*	1.8	12	253	17.9	0.55	3.2		0.29	D
11	18	48	37.2	19-24.3	155-24.2?	0.9	2.6	18	90	7.7	0.32	2.5	4.2	0.41	C
11	23	46	19.6	19-16.3	155-13.7	8.0*	1.9	12	172	9.1	0.18	1.3		0.18	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 12	2	42	43.8	19-26.5	155-23.0	8.0*	2.2	14	172	6.0	0.10	0.8		0.12	C
12	3	14	39.9	19-20.5	155- 8.4	5.8	3.2	20	142	3.9	0.15	1.2	0.9	0.22	C
12	3	56	26.5	19-18.1	155-14.4	9.1	1.5	11	196	6.5	0.15	1.1	1.8	0.09	C
12	8	25	55.4	19-20.5	155-11.9	9.5	1.8	17	140	3.8	0.08	0.6	1.0	0.09	B
12	9	13	18.9	19- 6.0	155-21.8	24.6	2.0	12	266	12.5	0.41	2.2	4.6	0.15	C
12	10	33	5.1	19-19.8	155-12.4	6.3	2.3	18	146	5.0	0.13	1.0	0.9	0.23	C
12	17	43	26.1	19-20.3	155-12.4?	7.6	2.7	19	142	4.1	0.09	0.8	1.3	0.17	B
12	18	24	50.6	19-20.1	155-26.6?	0.0	2.1	14	192	13.8	7.41	1.4	14.0	0.25	C
12	20	55	15.4	19-18.0	155- 6.3	8.0*	1.9	12	210	6.9	0.32	2.4		0.29	C
12	22	25	7.1	19-20.9	155- 6.6	7.8	2.0	18	136	5.9	0.11	1.0	0.7	0.16	C
13	10	24	20.5	19-19.1	155- 8.9	8.0*		9	181	5.8	0.13	1.2		0.12	C
13	10	29	15.3	19-19.5	155-11.0	8.0*		11	171	5.2	0.10	0.9		0.12	C
13	10	57	22.7	19-19.7	155-11.1	5.7	1.9	12	148	4.9	0.11	0.9	0.8	0.15	B
13	17	47	28.1	19-18.5	155-15.1?	7.7	1.7	16	179	5.0	0.18	1.1	2.0	0.18	C
14	0	34	20.9	19-24.3	155-26.9	5.9	2.1	16	209	9.8	0.26	1.4	1.1	0.21	C
14	1	9	53.3	19-35.4	155-18.9	34.5		9	253	12.8	0.60	2.9	4.3	0.07	D
14	1	48	8.4	19-24.9	155-16.3	14.2	1.7	15	120	1.2	0.06	0.5	0.7	0.08	A
14	3	42	53.5	19-21.1	155-24.8	6.4	1.8	13	175	3.1	0.13	0.8	0.8	0.14	C
14	10	2	31.9	19-11.9	155-36.2	4.1	3.1	17	210	15.2	0.34	2.1	2.5	0.15	C
14	12	0	17.4	19-16.3	155-23.9	3.0	1.7	10	159	7.2	0.15	1.3	2.3	0.16	C
14	12	56	6.4	19-19.4	155-13.5	28.6	2.3	12	182	5.5	0.25	1.2	2.3	0.08	C
14	18	44	1.2	19-21.0	155-13.6	8.6	1.7	14	165	3.3	0.12	0.8	1.2	0.13	C
15	6	2	51.4	19-17.7	155- 7.9?	8.0*	1.7	12	254	8.7	1.50	11.8		1.42	D
15	11	56	21.4	19-24.3	155-29.0	7.5	2.3	16	118	12.5	0.15	0.7	0.9	0.10	B
15	12	5	13.3	19-24.3	155-28.9?	7.5	2.5	18	109	12.4	0.09	0.6	0.5	0.11	B
15	13	32	8.5	19-23.9	155-29.4	7.5	2.4	17	231	12.7	0.37	1.7	1.3	0.16	C
15	19	18	6.6	19-20.7	155-11.8	9.3	2.0	14	139	3.6	0.08	0.6	1.1	0.09	B
16	16	14	46.1	19-23.6	155-17.3	12.7	2.1	11	65	0.9	0.06	0.8	0.5	0.10	A
16	17	43	44.8	19-24.7	155-16.4	13.3	2.0	9	120	2.5	0.07	0.8	0.8	0.08	A
16	18	0	59.8	19- 4.3	155-38.8?	5.4	2.7	11	333	21.4	2.24	17.7	10.3	0.82	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 16	19	46	19.2	19-58.6	155-35.2?	15.8	2.6	13	182	13.3	0.68	5.0	7.1	0.42	D
17	1	8	30.3	18-53.6	155- 4.6	43.8	3.2	17	289	50.3	0.46	3.6	8.6	0.24	D
17	9	50	51.3	19-21.4	155-18.0	30.4	2.1	14	89	2.7	0.26	1.1	2.4	0.08	B
17	14	39	0.6	19-24.6	155-50.1	1.2	2.6	13	318	47.7	0.53	4.3	2.3	0.22	D
18	3	54	20.4	19-20.7	155-13.0	9.8	1.5	14	148	3.5	0.06	0.3	0.6	0.05	B
18	4	53	58.3	19- 6.4	155-37.3?	14.0*	2.4	10	326	17.4	0.91	6.0		0.33	D
18	7	24	47.6	19-20.5	155-12.6	3.5	1.5	12	152	3.7	0.07	0.5	0.8	0.04	B
18	12	54	3.6	19-19.7	155-10.7	2.5	2.3	7	150	13.6	0.25	1.5	1.8	0.16	B
19	3	27	54.9	19-22.0	155- 6.3?	0.0	2.5	8	116	7.0	0.95	2.0	1.7	0.32	C
19	9	33	4.6	19-20.9	155-18.1	33.3	2.7	11	78	2.0	0.13	0.7	1.2	0.05	A
19	18	41	15.7	19-24.9	155-21.?	7.1	2.2	12	172	3.5	0.16	1.2	0.6	0.16	C
19	20	19	13.7	19-24.8	155-22.0	6.4	2.5	11	177	4.0	0.16	1.1	0.7	0.13	C
20	3	20	33.1	19-18.3	155- 6.0?	0.0	2.3	7	198	9.6	1.09	2.8	1.8	0.25	C
20	6	52	46.9	19-21.8	155-15.0	8.0*	1.8	6	126	7.0	0.24	2.1		0.21	C
20	7	56	40.7	19-23.2	155-12.5	8.0*	1.6	8	175	5.1	0.05	0.5		0.05	C
21	0	6	22.8	19-12.8	155-26.1	2.6	3.5	14	136	6.8	0.11	0.9	0.9	0.15	B
21	0	14	25.1	19- 9.6	155-25.4	8.0*	2.1	7	232	4.3	0.41	4.2		0.14	D
21	0	24	11.4	19-14.7	155-29.5?	0.0	2.5	10	182	10.0	0.04	2.2	18.8	0.22	C
21	0	35	0.9	19-10.2	155-26.1	8.0*	2.0	7	205	3.4	0.20	3.0		0.12	C
21	2	40	32.0	19-20.5	155-11.8	9.1	1.9	11	140	3.9	0.11	1.0	1.9	0.12	B
21	3	40	26.8	19-10.5	155-26.3	8.2	2.0	10	193	3.2	0.55	4.6	5.8	0.18	C
21	6	29	12.4	19- 9.7	155-26.1	9.1	2.2	11	224	3.0	0.39	2.9	4.6	0.17	C
21	10	47	0.1	19-20.2	155- 9.0	8.7	1.9	12	146	3.8	0.11	1.2	2.2	0.13	B
21	11	43	43.8	19-19.8	155- 7.6	8.0*	2.0	11	183	8.1	0.07	0.7		0.07	C
21	13	0	5.8	19-26.9	155-12.3?	8.0*	1.7	12	141	9.0	0.18	1.7		0.30	C
21	23	35	2.1	19-20.1	155- 8.5	8.9		8	178	4.4	0.07	0.6	1.1	0.04	B
21	23	35	6.3	19-21.3	155- 8.9	8.0*	2.0	11	133	6.6	0.09	1.0		0.15	C
22	15	41	10.1	19-22.7	155-26.5	6.0	2.0	15	197	12.0	0.19	1.0	0.9	0.15	C
23	2	8	48.2	19-24.0	155-17.2	13.3	1.5	12	71	1.3	0.04	0.3	0.3	0.03	A
23	2	38	16.0	19-14.6	155-11.3	34.5		13	227	14.3	0.26	2.4	2.3	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 23	3	9	56.5	19-19.8	155-15.0	9.2	1.6	11	177	3.7	0.17	1.0	1.6	0.10	C
23	6	16	33.6	19-19.8	155-11.2	8.0*		10	221	4.9	0.17	1.2		0.09	C
23	16	23	14.1	19-22.9	155-26.5?	0.0	1.9	11	259	11.9	0.48	2.0	1.4	0.13	C
23	17	25	24.4	19-24.1	155-23.2	8.8	2.0	14	215	6.2	0.14	0.8	1.6	0.08	B
24	5	13	18.8	19-20.0	155- 8.8	9.1	1.9	8	167	4.3	0.11	0.9	1.7	0.08	B
24	13	5	28.5	19-29.6	155-16.3	8.0*	1.9	8	324	8.0	0.82	5.4		0.23	D
24	14	33	44.8	19-20.9	155-13.2	6.7		10	170	4.0	0.10	0.9	0.8	0.11	C
24	20	9	14.1	19-22.3	155-15.1	28.9	2.5	15	104	0.9	0.17	1.0	1.6	0.06	A
24	21	15	7.6	19-20.3	155- 7.6	9.6		11	162	5.0	0.12	0.9	1.6	0.09	B
24	21	25	25.0	19-56.6	155-33.2	8.0*		9	333	63.7	3.76	22.3		0.07	D
24	21	42	8.6	19-19.9	155- 7.9	5.4	2.7	17	151	5.2	0.14	1.0	1.0	0.21	C
24	22	2	8.5	19-21.4	155-24.5	8.0*	1.6	10	297	9.4	0.85	4.4		0.08	D
24	23	49	12.9	19-22.8	155-22.8?	5.3	1.4	9	288	5.7	0.57	2.7	0.9	0.10	D
25	0	29	58.0	19-23.1	155-16.0	11.0	1.6	11	87	1.4	0.10	0.5	0.9	0.05	A
25	4	19	13.4	19-20.9	155-12.4	12.7	1.7	9	179	5.1	0.14	0.4	1.1	0.03	B
25	7	21	56.9	19-19.9	155-12.9	8.0*		10	197	5.5	0.14	1.1		0.13	C
25	7	50	15.5	19-21.2	155-12.6	11.1		8	168	4.9	0.21	0.8	1.9	0.05	B
25	8	3	1.7	19-22.5	155-15.2	9.9	4.0	20	87	1.3	0.06	0.6	0.6	0.14	B
25	8	9	0.2	19-23.6	155-16.1	13.1		7	168	1.3	0.17	1.9	1.1	0.09	C
25	8	14	49.6	19-22.8	155-16.0	11.7		10	94	0.7	0.15	0.7	1.3	0.07	A
25	9	41	20.0	19-19.2	155-15.8	8.5	1.0	9	182	3.3	0.24	1.6	2.0	0.14	C
25	16	27	31.1	19-18.4	155-23.7	6.8	2.0	11	154	10.2	0.27	1.0	0.7	0.08	B
25	19	59	12.6	19-26.6	155-21.5	7.6	1.5	11	234	2.3	0.13	0.8	0.4	0.08	C
25	20	10	33.7	19-22.1	155-16.1	33.9	2.2	16	97	0.6	0.26	1.2	2.3	0.09	B
25	20	50	13.3	19-24.6	155-17.8	1.8	0.8	8	102	0.5	0.05	0.4	0.2	0.06	A
25	22	4	0.7	19-19.6	155-13.4	8.0*	1.6	10	197	5.2	0.14	1.0		0.12	C
25	23	37	9.9	19-27.4	155-21.4	7.9	1.5	11	269	1.3	0.29	1.8	1.1	0.10	C
25	23	39	1.9	19-26.6	155-21.7	7.6	1.3	11	241	2.5	0.18	1.2	0.4	0.09	C
25	23	56	13.1	19-23.3	155-16.3	24.2	4.5	20	60	0.8	0.19	1.3	2.0	0.15	C
26	0	23	49.3	19-23.2	155-15.8	23.9	2.8	19	60	1.5	0.09	0.7	1.0	0.10	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 26	0	35	11.6	19-25.9	155-14.1	8.0*	1.1	11	141	6.4	0.21	1.8		0.30	C
26	0	40	42.4	19-22.9	155-17.1	18.4	1.7	11	92	1.1	0.20	0.9	1.9	0.06	A
26	0	42	32.8	19-23.3	155-15.8	26.1	2.0	11	106	1.6	0.19	1.3	1.9	0.08	B
26	0	47	39.5	19-23.4	155-16.1	18.2	1.5	11	96	1.2	0.15	0.7	1.5	0.05	A
26	0	50	33.3	19-23.4	155-16.2	18.8	1.3	11	93	1.0	0.20	0.9	2.0	0.06	A
26	0	53	10.4	19-22.2	155-16.8	17.5	1.5	12	96	1.6	0.16	0.7	1.5	0.06	A
26	1	5	59.7	19-24.1	155-16.8	13.1	1.6	10	93	1.3	0.04	0.4	0.4	0.03	A
26	1	8	8.9	19-23.3	155-16.4	25.2	2.7	16	60	0.7	0.13	0.8	1.2	0.10	A
26	2	1	42.3	19-23.7	155-15.4	17.6	1.5	11	109	2.5	0.14	0.7	1.4	0.05	A
26	2	40	28.4	19-22.9	155-16.7	17.8	1.8	13	85	0.9	0.12	0.6	1.1	0.05	A
26	3	5	17.6	19-23.2	155-16.9	21.2	1.5	12	82	0.3	0.21	0.9	1.9	0.06	A
26	4	1	54.6	18-55.2	155-39.5?	47.4*	2.8	10	314	33.3	1.13	14.2		0.70	D
26	4	40	53.3	19-22.6	155-16.0	26.8	2.7	18	66	0.5	0.13	0.8	1.2	0.10	B
26	10	42	28.7	19-22.7	155-15.5	10.9	1.6	16	89	0.9	0.06	0.5	0.6	0.09	B
26	12	21	47.1	19-23.0	155-15.7	11.2	1.5	12	94	1.1	0.05	0.5	0.5	0.06	A
26	13	40	26.0	19-23.4	155-16.7	19.9	1.6	8	103	0.1	0.24	1.1	2.3	0.05	B
26	13	58	15.9	19-24.4	155-15.4	3.3	0.8	6	248	3.0	0.07	0.3	0.6	0.01	C
26	14	38	54.4	19-23.7	155-16.8	20.9	1.4	12	86	2.2	0.31	1.8	2.8	0.13	B
26	16	34	38.7	19-22.6	155-15.3	10.0	1.5	13	91	1.2	0.09	0.6	0.9	0.08	A
26	17	6	0.2	19-23.3	155-15.2	8.5		11	104	2.0	0.10	0.8	1.2	0.11	B
26	17	20	42.6	19-24.3	155-17.2?	0.7	0.4	9	128	0.9	0.16	0.6	0.5	0.16	B
26	17	46	13.7	19-21.7	155-17.7	27.2		16	83	3.1	0.12	0.8	1.2	0.09	A
27	1	40	5.8	19-11.1	155-22.4	4.5	1.7	11	206	10.1	0.19	1.5	0.9	0.13	C
27	2	16	32.6	19-12.1	155-37.4	3.2	2.6	15	212	17.5	0.36	2.7	2.7	0.18	C
27	2	32	53.2	19-22.7	155-15.0	19.9	1.8	12	103	1.7	0.18	0.9	1.8	0.06	A
27	2	35	49.2	19-22.4	155-15.0	21.0	1.8	12	110	1.2	0.23	0.9	2.1	0.07	B
27	2	59	25.5	19-20.4	155-12.2	9.9	1.3	10	195	3.9	0.08	0.5	0.7	0.05	B
27	4	13	52.9	19-24.4	155-18.2	6.5	1.1	8	111	1.4	0.18	0.6	1.2	0.05	A
27	4	52	41.3	19-24.2	155-16.2	4.4	0.9	8	207	1.8	0.14	0.7	0.9	0.05	B
27	4	52	58.0	19-20.5	155-14.2	8.7	1.3	12	170	3.1	0.14	0.9	1.4	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 27	4	59	48.6	19-22.4	155-17.6	8.2	1.2	6	196	2.2	0.20	1.3	1.5	0.04	C
27	5	20	16.0	19-24.4	155-17.6	9.6	1.4	8	109	0.6	0.18	0.9	1.4	0.04	A
27	5	32	30.4	19-24.4	155-17.6	8.2	1.2	9	107	0.6	0.05	0.4	0.4	0.03	A
27	5	42	7.1	19-23.7	155-17.5	7.1	1.0	7	136	1.4	0.35	0.6	2.1	0.03	B
27	5	49	15.2	20- 7.3	155-56.4?	13.6*	2.7	10	317	27.1	1.25	10.5		0.32	D
27	7	6	45.8	19-12.4	155-24.1	6.8	1.5	6	183	8.4	0.13	3.0	1.1	0.06	C
27	7	22	54.9	19-19.5	155-15.6	6.9	1.6	14	164	3.4	0.10	0.8	0.5	0.14	C
27	9	9	40.2	19-20.1	155- 8.4	9.0		7	166	4.4	0.04	0.3	0.6	0.02	B
27	11	54	27.7	19-20.0	155-16.3	24.1		17	135	2.0	0.14	1.0	1.5	0.13	B
27	15	56	17.0	19-22.0	155- 4.7?	0.5		14	111	5.0	2.03	1.0	7.7	0.23	B
27	16	37	25.3	19-19.3	155-48.0	5.8	2.5	13	278	20.7	1.12	5.8	2.3	0.18	D
27	16	54	27.2	19-15.4	155-15.9	23.7	2.1	18	202	6.7	0.23	1.5	1.9	0.12	C
27	17	17	45.6	19-20.3	155-15.0	25.4	1.5	14	165	2.7	0.19	1.1	1.6	0.09	C
27	18	6	16.5	19-40.2	156-17.6?	5.6	3.4	24	278	42.4	0.42	3.9	3.0	0.17	D
27	18	36	16.5	18-57.3	155-31.0?	29.3	2.2	13	304	16.0	0.30	2.3	2.7	0.12	C
27	20	51	15.9	19-25.9	155-29.3	5.9		15	151	12.7	0.19	1.0	1.0	0.18	C
27	20	59	18.9	19-25.1	155-16.3	21.8	1.2	13	75	2.3	0.16	1.0	1.9	0.12	B
27	22	55	38.9	19-23.9	155-16.9	13.3	1.5	19	69	0.9	0.05	0.6	0.4	0.12	B
27	23	55	52.2	19-45.1	155-21.6?	31.7	2.2	20	91	10.9	0.24	1.0	2.5	0.08	B
28	0	49	15.2	19-10.0	155-21.8?	0.0	2.1	17	197	10.8	0.39	1.6	0.8	0.22	C
28	0	59	33.8	19-22.3	155-16.3	16.6	1.9	15	90	0.8	0.18	1.2	1.7	0.12	B
28	1	18	50.4	18-54.3	155-31.9	33.7	2.3	18	264	16.4	0.83	4.2	5.8	0.15	D
28	1	40	6.7	19-25.5	155-15.9	21.1	1.8	9	127	2.9	0.30	1.3	3.2	0.10	B
28	2	55	22.0	19-18.0	155-15.6	22.4	1.4	12	226	4.9	0.38	1.8	3.0	0.09	C
28	3	0	17.1	19-10.6	155-22.8	0.7	2.5	19	201	9.1	0.48	1.3	1.0	0.20	C
28	3	36	47.4	19- 7.6	155-20.3?	0.0	2.1	17	210	13.7	6.71	2.0	12.3	0.21	C
28	8	9	53.3	19- 7.7	155-19.8?	0.0	2.5	21	192	14.5	5.15	1.3	9.5	0.21	C
28	8	17	28.1	19- 8.4	155-20.5	3.2	2.0	17	206	13.0	0.23	1.2	1.0	0.18	C
28	10	58	23.7	19-10.3	155-21.3	7.0	2.4	19	176	11.6	0.35	2.2	1.7	0.27	D
28	11	40	8.2	19- 8.7	155-20.1?	0.0	2.3	21	188	13.8	0.40	1.1	0.8	0.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
APR 28	13	1	22.0	19-21.7	155-16.3	24.5	1.4	12	112	1.5	0.14	0.8	1.4	0.07	A
28	16	18	2.7	19-17.1	155-13.5	2.6	1.6	17	229	8.8	0.35	1.7	1.3	0.29	D
28	17	15	20.2	19-14.9	155-15.8	24.5	2.1	19	197	7.5	0.20	1.4	1.8	0.13	C
28	19	28	38.1	19-23.1	155-16.7	12.6	1.8	19	67	0.5	0.05	0.7	0.4	0.13	B
29	1	54	34.6	19-20.0	155-16.C?	8.1		12	178	2.5	0.13	1.3	1.1	0.15	C
29	2	39	28.6	19-18.5	155-12.7?	0.C	1.7	17	202	7.6	6.52	1.5	12.2	0.26	C
29	3	15	45.2	19-14.5	155-19.2	36.9		13	189	6.4	0.25	1.5	2.2	0.11	C
29	4	10	53.8	19-26.9	155-12.8?	8.C*	1.4	10	235	8.3	2.37	15.3		0.98	D
29	5	37	19.1	19- 8.8	155-38.3	4.4	2.4	18	182	11.5	0.18	1.4	1.2	0.21	C
29	6	22	59.5	18-57.6	155-30.9	30.8	2.6	20	239	16.0	0.25	1.6	2.5	0.12	C
29	17	35	48.9	19- 1.0	155-21.1?	24.3	2.4	17	234	19.7	0.38	2.5	4.0	0.14	D
29	21	37	47.8	19-20.6	155-24.3	6.7	2.1	20	80	1.9	0.09	0.8	0.7	0.19	B
29	21	44	43.4	19-21.5	155-23.1	5.2	1.5	12	165	2.4	0.12	0.9	0.8	0.13	C
29	22	58	16.7	19-22.8	155-16.3	24.3		15	75	1.0	0.17	1.0	1.6	0.11	B
29	23	35	16.3	19-21.4	155-16.3	23.4	1.9	18	117	1.8	0.14	1.0	1.4	0.13	B
30	1	29	39.5	19-19.0	155- 7.6?	0.0	2.0	19	190	10.7	4.57	1.1	8.5	0.20	C
30	4	44	22.2	19- 4.6	155-17.0	19.6		18	229	21.0	0.40	2.4	6.3	0.23	D
30	5	10	33.3	19-24.1	155-17.7	9.5	1.6	11	7C	1.1	0.09	0.5	0.8	0.05	A
30	5	16	31.1	19-29.9	155-49.6	6.4	2.6	14	268	35.3	0.41	6.3	8.1	0.13	D
30	6	25	24.2	19-22.3	155-24.4	5.7	1.6	16	115	4.3	0.11	0.8	0.9	0.19	B
30	7	50	45.2	19-23.2	155-25.1	6.4	1.7	17	12C	6.3	0.11	0.8	0.8	0.17	B
30	8	38	24.9	19- 8.2	155-19.9	5.0	2.4	16	226	14.1	0.26	1.4	1.0	0.15	C
30	10	55	44.5	19-23.2	155-16.5	12.0	1.5	16	67	0.6	0.07	0.8	0.7	0.14	B
30	11	24	38.1	19-22.2	155-16.4	24.4	1.9	15	93	1.C	0.11	0.7	1.1	0.09	A
30	12	36	13.6	19-20.0	155-18.3	27.2	1.7	10	106	1.6	0.04	0.4	0.4	0.01	A
30	12	38	26.8	18-54.6	155-30.3	16.5*		14	307	27.9	0.53	3.8		C.19	D
30	18	24	2.9	19-19.4	155-15.8	6.2		14	183	3.2	0.14	1.0	0.8	0.17	C
30	20	23	0.8	18-60.0	155-30.7	29.3		15	298	18.3	0.30	2.0	3.0	0.15	C
MAY 1	1	15	15.5	19-22.5	155-17.6	7.1	2.5	9	192	2.1	0.19	1.3	0.8	0.10	C
1	1	44	40.0	19-18.5	155-25.0	4.4		12	158	4.4	0.18	1.4	1.4	0.24	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY	1	4	41	30.0	19-24.3	155-17.6	1.0		9	97	0.7	0.06	0.3	0.4	0.09	A
	1	5	5	29.8	19- 8.4	155-20.1?	0.0	2.1	17	188	13.7	5.94	1.4	11.0	0.20	C
	1	7	27	59.7	19-19.3	155-12.6?	0.1	1.4	14	199	5.9	4.09	1.8	7.7	0.29	D
	1	9	58	1.6	19-20.9	155-13.1	12.4	1.3	9	172	4.3	0.20	0.8	1.6	0.05	B
	1	10	53	16.8	19-18.8	155-16.7	10.2	1.2	8	199	2.8	0.06	0.3	0.4	0.02	B
	1	11	8	14.1	19-19.9	155- 8.8	8.7	1.4	10	168	4.4	0.08	0.8	1.4	0.08	B
	1	13	3	29.3	19-27.9	155-16.4?	8.0*	1.3	10	310	5.0	0.17	2.3		0.36	D
	1	16	50	56.0	18-57.8	155-30.3	28.7	2.4	14	301	17.0	0.59	3.7	3.9	0.15	D
	1	18	39	53.1	19-25.6	155-51.8?	4.6*	2.2	11	202	12.1	0.17	2.0		0.22	C
	1	22	2	28.7	18-56.5	155-31.5	30.1	2.4	17	249	15.5	0.30	2.0	3.0	0.14	C
	1	23	55	54.1	19-20.9	155-14.4	9.1	1.2	12	160	2.3	0.12	0.8	1.2	0.10	C
	2	0	25	23.5	19-24.5	155-15.6	3.5	0.6	6	247	2.7	0.06	0.2	0.3	0.01	C
	2	1	33	26.4	20- 4.5	155-54.0	26.7*	2.7	12	316	21.4	0.48	3.3		0.08	D
	2	3	24	56.0	18-59.0	155-30.4	28.9	2.3	16	299	19.8	0.47	2.6	4.0	0.15	D
	2	6	42	33.9	19-19.9	155- 9.1	9.0	1.6	11	168	4.3	0.11	1.0	1.9	0.11	C
	2	8	22	22.0	19-20.0	155-12.9?	2.4	1.5	22	142	4.6	0.45	0.9	1.7	0.30	C
	2	8	33	38.5	19-19.1	155-14.0	10.2	1.6	9	203	5.5	0.28	1.9	2.6	0.14	C
	2	11	39	2.4	19- 3.1	155-30.3	25.8		13	288	12.6	1.27	6.9	6.9	0.14	D
	2	14	36	26.7	18-55.6	155-32.2	30.1		13	308	14.8	2.03	11.0	8.7	0.14	D
	2	14	39	15.7	19-21.9	155-11.7	6.2	2.0	20	128	1.8	0.09	0.9	0.7	0.23	C
	2	18	32	57.8	19-28.5	155-49.2	10.3	2.8	15	155	11.8	0.13	2.4	3.7	0.15	C
	2	19	39	10.2	19-30.9	155-42.5	9.4	2.5	15	130	22.4	0.09	0.9	1.4	0.11	B
	2	22	30	5.7	19-23.9	155-15.3	34.9		17	87	2.8	0.17	0.8	1.6	0.08	A
	3	0	25	27.6	18-58.8	155-33.4	31.6		20	229	11.5	0.45	2.2	3.9	0.16	C
	3	0	39	29.7	19-29.6	156- 6.9?	48.0*	2.9	17	282	20.5	1.22	8.5		0.27	D
	3	0	41	49.6	19-20.8	155-14.8	8.4		13	137	2.0	0.07	0.6	0.9	0.09	B
	3	1	1	35.3	19- 2.3	155-29.9	25.7		16	290	13.8	1.19	6.5	6.3	0.14	D
	3	4	15	10.5	19-49.0	155-21.9	24.8	2.4	11	128	8.4	0.40	2.0	5.0	0.09	B
	3	8	2	28.3	19-11.4	155-19.9	38.6	2.5	17	194	12.2	0.55	2.5	4.4	0.19	C
	3	12	13	59.6	19- 0.1	155-29.6	27.8		17	282	17.6	0.85	4.7	4.7	0.14	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 3	13	5	37.0	19-19.1	155-15.8	6.1		13	186	3.4	0.16	1.2	0.8	0.20	C
3	14	3	9.1	19-10.4	155-20.9	33.6	2.5	16	177	12.3	0.52	2.3	5.3	0.24	C
3	15	36	34.9	19-22.1	155-12.5	3.9		9	131	0.8	0.04	0.3	0.6	0.05	B
3	17	4	35.6	19-10.1	155-36.1	5.2	2.3	15	121	9.0	0.12	0.9	1.0	0.17	B
3	20	27	49.9	18-55.0	155-32.2	35.6	2.8	21	250	15.4	0.52	2.7	3.8	0.13	D
3	21	28	1.9	19-20.7	155-25.4?	3.8	1.8	11	129	3.9	0.65	1.5	2.3	0.25	C
3	21	30	13.3	19-21.2	155-26.0?	0.6	1.8	9	130	5.1	3.64	1.7	13.6	0.24	C
3	21	30	49.5	19-21.8	155-23.0	3.2	1.6	8	175	2.9	0.09	0.6	0.9	0.08	B
4	0	22	48.4	19-51.0	155-37.2?	23.7*		12	284	18.6	3.74	23.3		0.14	D
4	7	16	8.5	19-22.2	155-16.8	19.1		16	89	1.5	0.14	1.0	1.4	0.14	B
4	10	23	20.6	19-26.9	155-15.3	25.3	2.3	20	52	4.8	0.13	0.8	1.5	0.11	B
4	11	36	41.7	19-19.3	155-14.9	30.1		14	179	5.5	0.19	1.2	1.9	0.09	C
4	15	13	34.3	19-14.4	155-19.7	25.9		18	180	6.8	0.17	1.2	1.7	0.11	C
4	21	57	51.0	19-22.2	155-17.1	20.1		14	85	2.1	0.12	0.7	1.1	0.08	A
4	23	51	23.9	19-27.1	155-30.3?	4.1	2.1	19	160	13.1	2.38	1.5	8.3	0.27	D
5	0	38	45.8	19-24.4	155-17.0	8.9	1.5	12	83	1.0	0.04	0.2	0.3	0.03	A
5	2	46	28.6	19-21.8	155-27.6	3.0	2.0	19	128	8.1	0.13	0.8	1.2	0.21	C
5	5	59	17.4	20- 4.1	155-18.8	7.8	2.8	21	253	19.9	0.39	2.5	2.5	0.21	D
5	7	34	2.4	19-16.1	155-24.3	0.2*	1.8	16	128	7.8	0.07	0.6		0.13	C
5	9	0	37.0	19-23.9	155-16.1	1.9	1.0	11	150	1.6	0.08	0.4	0.2	0.09	B
5	11	1	33.6	19-20.5	155-12.3	7.5		12	153	5.2	0.11	1.0	0.6	0.15	C
5	11	57	39.7	19-21.2	155-28.3	7.9	2.8	23	71	9.0	0.16	0.8	1.1	0.17	B
5	13	16	26.4	19-49.4	155-54.0	27.6		19	272	33.6	0.24	1.6	1.5	0.08	C
5	15	24	10.1	19-21.6	155-14.1	32.7	2.5	24	128	2.1	0.16	1.0	1.5	0.14	B
5	15	26	3.2	19-15.1	155-22.1?	8.1	1.9	19	150	8.0	0.36	2.5	2.0	0.49	C
5	16	7	34.1	19-18.4	155-25.6	3.3	1.7	17	108	4.4	0.11	0.8	1.2	0.21	B
5	16	49	14.9	19-19.5	155-11.1	4.9		13	171	5.3	0.20	1.5	1.3	0.25	C
5	18	50	38.0	19-23.4	155-16.7	13.1		14	85	0.2	0.05	0.6	0.5	0.09	A
5	18	53	31.6	19-24.0	155-16.8	12.1		17	77	1.1	0.05	0.6	0.5	0.10	A
5	22	18	3.1	20- 4.2	155-30.1	38.8		11	312	25.9	1.05	5.5	5.7	0.08	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 6	3	24	2.3	19-18.3	155-11.3	32.5		13	236	7.5	0.36	1.6	2.8	0.07	C
6	5	40	19.1	19-26.7	155-28.1?	2.5		12	237	10.2	0.54	3.4	7.7	0.33	D
6	9	6	11.6	19-27.4	155-15.0	36.0		11	122	9.9	0.22	1.1	2.2	0.10	B
6	9	50	50.2	19-17.0	155-20.1	47.2		17	145	3.1	0.69	1.6	6.0	0.12	C
6	10	7	42.8	18-56.4	155-32.3	35.1		18	239	14.2	0.54	2.5	4.3	0.11	C
6	14	23	42.9	19-12.5	155-23.9	26.7		13	181	9.0	0.21	1.5	2.0	0.15	C
6	17	42	25.0	19- 9.3	155-38.4	6.0	2.7	20	136	10.5	0.16	1.2	1.0	0.21	C
6	18	32	53.3	19-27.0	155-25.5	8.0*	1.6	10	191	6.4	0.27	2.0		0.19	D
6	21	1	52.7	19-16.6	155- 0.3	34.4		17	227	7.7	0.39	1.8	3.1	0.11	C
6	21	5	5.1	19-58.4	155-21.9	11.4	3.3	26	265	9.6	0.17	1.2	0.7	0.10	C
6	22	56	1.4	19-10.9	155-30.5	43.1		11	159	13.7	0.48	1.9	4.7	0.09	C
6	23	4	23.6	19-21.0	155-25.9?	2.2		13	126	4.8	0.19	1.4	2.2	0.27	C
7	0	54	12.4	19-26.6	155-26.4	8.0*	1.7	13	217	8.0	0.15	0.9		0.10	C
7	2	14	38.1	19-17.1	155- 4.1	37.5		15	220	5.6	0.22	1.2	1.7	0.07	C
7	3	34	13.4	19-18.8	155-15.0	5.8	2.6	23	148	4.8	0.12	0.9	0.7	0.23	C
7	8	42	58.6	19-20.6	155-24.4	6.4	1.8	19	109	2.1	0.13	1.0	0.9	0.23	B
7	9	18	38.5	19-17.7	155- 3.1	30.7		17	247	4.0	0.24	1.2	1.8	0.06	C
7	10	21	26.0	19-20.2	155-15.7	6.8	1.4	15	140	2.9	0.09	0.7	0.6	0.16	B
7	13	1	27.6	19-21.0	155-12.3	5.1		15	146	2.7	0.16	1.3	1.1	0.25	C
7	19	53	45.0	19-16.3	155-20.4	24.1		15	216	4.2	0.20	1.4	1.5	0.13	C
8	5	10	59.1	19-21.3	155-14.8	28.1	3.1	23	147	1.4	0.12	0.8	1.1	0.13	B
8	7	8	23.6	19-19.4	155-15.5	6.5		16	181	3.5	0.15	1.0	0.7	0.20	C
8	7	58	31.9	19-27.1	155-25.6	8.0*		11	168	6.5	0.09	0.7		0.09	C
8	10	53	38.2	19- 1.7	155-29.9	25.9		13	292	14.9	1.47	8.0	7.5	0.16	D
8	15	11	29.9	19-23.7	155-25.8	3.5	1.6	17	125	7.8	0.18	1.2	1.8	0.28	C
8	16	18	40.9	19-20.8	155- 6.8?	0.9	2.4	24	138	5.8	0.66	1.6	1.2	0.37	C
8	16	49	33.1	19-18.5	155-11.9	8.0*	1.7	14	184	7.5	0.09	0.7		0.11	C
8	22	16	31.8	19-53.0	155-16.4	43.4	2.7	25	222	7.4	0.19	1.0	1.8	0.10	C
8	22	47	38.8	19-15.4	155- 8.9	34.8		17	201	12.5	0.17	1.0	1.4	0.07	B
9	2	43	9.5	19-19.6	155-16.0	5.9	1.7	16	161	2.5	0.11	0.8	0.6	0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 9	2	59	4.0	19-25.0	155-25.8	5.6	1.7	17	169	9.9	0.18	1.1	1.3	0.22	C
9	6	57	2.4	19-26.4	155-24.5	8.0*	1.7	11	182	6.5	0.09	0.7		0.09	C
9	7	28	53.1	19-24.0	155-17.9	9.3	1.4	11	76	1.4	0.11	0.5	1.0	0.05	A
9	13	54	37.1	19-44.8	155-53.3?	30.3		14	292	45.3	0.44	2.7	1.9	0.09	D
9	17	1	26.9	19-27.6	155-17.1	26.5	2.3	20	105	4.1	0.13	0.8	1.3	0.10	B
9	20	12	14.5	19-20.6	155-12.2?	7.3	1.9	18	151	3.5	0.10	1.0	1.5	0.18	C
9	21	29	35.9	19-53.6	155-30.0	25.0	2.7	22	179	13.2	0.13	0.8	1.8	0.09	B
10	0	58	11.0	19-22.4	155-25.8	6.1		15	121	6.1	0.14	1.0	1.2	0.19	B
10	3	53	45.3	19-21.1	155-25.9?	0.7	1.7	13	117	4.8	3.61	0.9	13.7	0.19	B
10	7	34	43.8	19-15.5	155- 7.3?	23.0		15	224	13.0	2.47	9.9	19.6	0.24	D
10	12	55	1.8	19-11.8	155-30.9	44.9		15	85	6.8	0.57	2.4	5.3	0.12	B
10	14	23	15.3	19-20.8	155- 7.1?	0.7	1.8	17	153	5.3	2.11	1.4	7.9	0.27	D
10	14	30	54.4	19-20.5	155- 7.2?	0.4		17	158	5.5	2.18	1.5	8.1	0.30	C
10	18	24	31.8	19-11.1	156-19.4?	5.9		18	328	56.3	0.38	17.1	10.1	0.18	D
10	19	39	24.7	19-18.1	155-46.7	6.0	2.6	18	230	17.8	0.62	2.7	2.3	0.16	D
10	19	46	21.2	19-32.4	154-53.3?	8.0*		15	276	6.4	0.44	4.4		0.36	D
10	20	2	22.4	19-24.9	155-22.8?	8.1	1.7	20	115	5.8	0.08	0.7	0.6	0.16	B
10	20	15	39.9	19-13.9	155-23.4	28.3		11	174	11.2	0.15	1.1	1.3	0.08	C
10	22	19	5.0	19- 5.3	155-22.6	37.3		20	255	12.1	0.35	2.4	2.6	0.20	D
10	23	11	28.9	19-21.3	155- 4.3	18.0		10	253	9.8	0.46	3.0	3.2	0.09	D
11	0	28	47.8	19-11.0	155-16.0	34.5		15	232	13.7	0.28	2.0	2.3	0.15	C
11	0	30	13.8	19-14.0	155-17.3?	36.5		17	205	7.6	0.22	2.0	2.1	0.12	C
11	0	36	22.5	19-12.7	155-22.6	27.0		12	192	11.1	0.25	1.7	2.1	0.12	C
11	1	17	8.2	19-26.3	155-39.0	2.8		12	266	21.3	0.37	1.8	0.9	0.09	C
11	4	26	1.5	19-17.6	155-10.4?	0.0	2.3	20	172	8.3	7.56	1.4	14.2	0.32	D
11	6	2	12.1	19-25.8	155-22.5	7.0	1.6	19	149	4.6	0.10	0.8	0.6	0.18	C
11	8	31	8.5	19-17.1	155-11.3?	0.0		16	236	9.5	2.67	2.5	23.7	0.36	D
11	9	14	40.3	18-57.1	155-30.6	29.9		18	303	23.4	0.44	2.6	4.6	0.18	D
11	14	27	56.3	19-11.5	155-22.5	27.8		17	203	10.1	0.22	1.4	2.1	0.17	C
11	14	46	58.3	19-20.7	155-13.4	4.9		19	146	3.7	0.14	1.0	1.1	0.28	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 11	16	8	31.8	19-23.5	155-22.6	5.0	1.4	13	159	5.2	0.17	1.3	1.4	0.19	D
11	19	50	27.4	19-19.4	155-13.9	9.9		14	196	5.0	0.12	0.7	1.0	0.07	B
11	20	16	53.5	19-14.3	154-55.8	31.8		13	286	16.2	0.30	2.2	3.0	0.12	C
12	0	32	56.1	19-18.9	155-12.9	29.2		10	218	8.0	0.91	4.8	7.0	0.14	C
12	0	42	8.5	19-24.0	155-17.3	16.8		12	78	1.3	0.09	0.5	1.0	0.06	A
12	5	3	37.9	19-22.0	155-26.9	2.9	1.7	15	125	7.1	0.14	1.0	1.8	0.23	C
12	7	50	6.8	19-45.8	155- 4.5	42.4	3.1	26	211	5.0	0.22	1.3	1.7	0.13	C
12	9	28	18.1	19-45.7	156-26.3	8.0*	3.1	20	306	60.4	0.16	1.3		0.09	D
12	9	52	57.7	19-18.9	155- 8.1?	0.0	1.8	15	183	6.6	5.01	1.8	9.3	0.31	D
12	14	23	8.8	19-19.3	155- 9.3?	3.6	2.7	17	157	5.2	0.18	1.2	1.0	0.22	C
12	18	4	46.0	19-24.8	155-24.4	6.1		12	185	8.3	0.15	1.1	1.0	0.16	C
12	19	29	28.1	19-13.8	155-16.0?	8.0*	1.7	12	278	9.0	0.56	3.3		0.31	D
12	19	30	46.3	19-17.8	155-14.7	5.8	2.1	15	214	6.3	0.34	1.9	1.3	0.29	D
12	21	26	33.2	19-21.4	155-25.1	6.6	1.6	17	115	3.9	0.14	1.1	1.0	0.23	B
12	21	31	40.5	19-11.6	156-14.4	3.7	2.8	16	301	49.2	0.31	4.4	4.4	0.11	D
12	21	48	40.3	19-19.6	155-18.0	6.4	1.1	10	148	1.4	0.08	0.6	0.4	0.07	B
12	22	33	6.3	19-14.8	155-22.4?	0.0	1.8	21	149	8.8	0.67	1.1	1.2	0.27	C
12	23	44	11.9	19-24.1	155-45.6?	8.0*		10	296	22.5	3.68	21.4		0.93	D
13	0	50	41.6	19-24.2	155-17.4	9.5	1.6	12	76	0.9	0.08	0.5	0.7	0.06	A
13	3	30	56.5	19-17.8	155-12.0?	0.0	1.7	16	231	8.8	1.69	2.1	22.0	0.34	D
13	3	53	1.2	19-23.8	155-23.4	4.9	1.6	12	171	6.4	0.11	0.8	0.9	0.12	C
13	4	19	47.3	19-25.7	155-26.5	3.4	1.6	10	221	9.4	0.22	1.1	1.2	0.11	C
13	5	24	59.8	19-18.5	155-15.6	9.9	1.5	9	203	4.4	0.30	1.6	2.4	0.12	C
13	9	50	23.5	19-19.5	155- 9.9?	5.6		15	172	4.8	0.25	1.8	1.3	0.31	D
13	10	30	46.6	19-12.6	155-30.3	29.2		20	75	7.1	0.19	1.1	2.1	0.13	B
13	13	9	36.8	19-11.8	155-26.4	4.7	2.3	22	142	5.1	0.12	1.0	0.8	0.22	C
13	13	29	52.5	19-19.9	155-11.7?	2.7		14	213	4.9	0.66	1.9	2.1	0.34	D
13	13	31	50.8	19-20.5	155-12.3	5.4		13	191	3.7	0.38	2.5	1.8	0.30	D
13	20	29	6.1	19-54.9	156-13.2	8.2	4.1	28	207	53.8	0.42	2.1	6.1	0.21	D
13	23	24	4.3	19-23.7	155-17.3	13.7		14	57	1.0	0.06	0.5	0.6	0.07	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 14	1	52	14.0	19-18.2	155-23.9	27.9		16	112	3.9	0.14	0.9	1.6	0.11	B
14	5	13	43.7	19-19.4	155-12.6?	2.2	1.7	20	149	5.7	0.59	1.1	2.0	0.33	C
14	6	28	6.4	19-15.2	155-26.1?	0.0	2.0	14	127	10.4		1.4	14.8	0.27	C
14	7	0	1.2	19-27.2	155-25.6	21.2		14	192	6.3	0.25	1.7	2.5	0.12	C
14	7	10	57.3	19-28.4	155-59.7?	8.0*	2.8	17	294	9.4	0.43	3.6		0.30	D
14	7	13	26.9	19-19.9	155-13.6?	4.4	1.6	17	173	4.6	0.23	1.5	1.7	0.33	D
14	7	14	59.0	19-49.9	155-16.1	2.6		15	200	10.1	0.30	1.6	2.6	0.14	C
14	8	57	0.6	19-24.4	155-17.0	9.3		7	149	0.9	0.07	0.3	0.5	0.01	B
14	10	37	22.8	19-19.4	155-15.3	7.3	1.5	14	167	3.9	0.12	0.9	0.6	0.18	C
14	10	56	13.7	19-23.8	155-17.6	9.1	1.3	9	137	1.5	0.10	0.7	0.8	0.04	B
14	11	27	5.0	19-24.2	155-17.7	7.1	1.1	9	118	1.0	0.22	1.0	1.4	0.07	A
14	11	46	45.4	19-19.8	155-11.9	7.2	1.6	14	213	5.2	0.28	1.8	0.9	0.20	D
14	11	47	20.3	19-19.1	155-11.2?	7.1	1.7	18	176	6.0	3.99	1.4	7.5	0.25	D
14	11	50	41.3	19-24.5	155-17.7	7.9		8	108	0.5	0.10	1.0	0.9	0.05	A
14	12	45	38.1	19-24.5	155-17.3	8.6	1.2	8	160	0.5	0.05	0.4	0.4	0.02	B
14	13	24	56.3	19-24.2	155-17.1	8.8	1.2	9	134	1.2	0.07	0.6	0.6	0.04	B
14	15	1	45.9	19-20.2	155-12.2	9.0	1.6	13	200	4.3	0.14	0.9	1.3	0.08	C
14	15	19	6.6	19-15.6	155-18.9	22.4	2.0	11	274	4.4	0.65	3.2	4.2	0.11	D
14	19	24	44.5	19-20.8	155-23.7	6.7	1.6	17	107	1.2	0.14	1.0	0.8	0.22	B
14	19	51	58.0	19-17.9	155-14.1	8.0*	1.4	11	227	7.1	0.22	1.4		0.16	D
14	22	18	33.9	19-24.5	155-17.0	8.5	1.5	13	83	0.8	0.06	0.5	0.6	0.05	A
14	23	7	15.6	19-31.7	155-50.4	13.2	2.6	17	149	8.6	0.08	1.7	2.6	0.09	B
15	3	10	35.7	19-20.1	155-13.3	9.3	1.0	9	188	4.7	0.21	1.2	2.0	0.09	C
15	4	16	12.4	19-20.1	155-18.1	29.2	2.1	15	102	1.2	0.15	0.9	1.5	0.09	A
15	5	15	58.4	19- 9.3	155-34.5	1.6	2.0	11	146	11.3	3.31	2.3	12.1	0.29	C
15	6	38	12.0	19-18.9	155-16.1?	8.3	1.2	12	187	3.2	0.26	1.5	2.2	0.17	C
15	8	54	43.1	19-29.6	155-43.6	0.5*	2.4	11	333	35.5	0.18	4.4		0.22	D
15	14	43	28.8	19-24.6	155-17.6	9.6		8	98	0.3	0.08	0.6	0.7	0.03	A
15	19	46	50.0	19-38.2	155-53.4	22.9		18	229	13.4	0.53	2.7	6.3	0.09	D
15	21	27	50.2	18-58.8	155-33.6	33.0	2.6	21	229	11.1	0.35	1.8	3.3	0.19	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 15	22	1	47.1	19-47.8	155- 7.9	41.7	2.5	22	209	9.6	0.38	1.4	3.3	0.10	C
15	23	40	35.9	19-24.1	155-17.9?	0.0	-0.0	6	126	1.4	0.43	0.8	1.0	0.13	B
16	0	54	46.3	19-26.7	155-31.3?	0.0		14	165	15.2	1.04	1.7	20.7	0.25	D
16	2	50	19.0	19-18.7	155-13.6	10.0	1.5	10	214	6.4	0.19	1.1	1.7	0.10	C
16	5	40	40.9	19-20.1	155-16.9	5.3		13	165	0.8	0.18	1.4	1.1	0.20	D
16	6	4	54.0	19-19.1	155-13.4?	8.1	1.4	12	208	6.0	0.18	1.1	1.9	0.12	C
16	16	17	34.9	18-56.3	155-28.1	14.1*		16	301	21.2	0.37	2.5		0.25	D
16	19	29	56.8	19-19.6	155-25.5	4.3	2.9	22	88	4.1	0.11	0.9	0.9	0.23	B
16	22	41	21.3	19-18.8	155-13.3?	4.5	1.7	19	153	6.6	0.22	1.4	1.4	0.30	D
16	22	45	50.0	19-11.0	155-32.0	5.6		14	102	7.8	0.18	1.3	1.4	0.24	B
17	2	30	46.5	18-53.4	155-33.1	39.9	2.8	21	284	31.2	0.76	4.3	3.9	0.14	D
17	3	57	31.5	19-20.6	155-12.9	5.6		14	180	3.4	0.15	1.0	0.7	0.17	C
17	11	57	54.5	19-18.1	155-21.1	8.0*	2.0	7	256	5.5	0.60	3.9		0.20	D
17	16	29	36.4	20- 4.5	155-16.9	8.6	2.3	16	256	21.5	1.01	5.1	4.9	0.23	D
17	18	38	23.3	19-22.6	155-28.3	4.6	2.1	19	73	9.8	0.11	0.7	0.9	0.17	B
17	19	59	44.6	19-24.8	155-27.0?	8.0	2.9	22	76	10.8	0.09	0.5	0.6	0.13	B
17	21	53	56.3	19-20.1	155- 7.6	2.8	2.0	17	165	5.4	0.17	1.1	1.3	0.22	C
17	22	3	31.8	19-24.2	155-17.4	5.5	0.9	6	146	1.0	0.50	1.3	3.3	0.06	B
17	22	4	11.8	19-23.5	155-17.6	7.7	1.2	7	147	1.2	0.35	0.5	2.1	0.02	B
18	6	25	25.5	19-18.3	155-13.6	10.7	1.5	9	223	7.1	0.39	1.9	3.0	0.11	C
18	7	11	26.7	19-19.8	155-37.0	8.0	2.3	14	127	7.6	0.17	1.1	1.1	0.14	B
18	10	13	54.3	18-56.8	155-12.1?	39.3*		11	305	36.2	0.66	5.2		0.11	D
18	11	55	23.9	19-38.9	155- 9.1?	8.0*	1.9	10	323	29.1	4.20	27.3		1.02	D
18	12	54	16.3	19-20.3	155- 7.1	8.0*	1.8	8	163	5.9	0.11	1.1		0.11	C
18	15	29	34.2	19-25.3	155-24.6	8.0*	1.9	14	186	8.6	0.11	0.8		0.10	C
18	16	25	57.7	19-26.9	155-49.7	7.6	2.5	15	174	12.6	0.26	3.6	5.3	0.14	C
18	19	19	5.4	19-24.3	155-17.3	0.9	0.7	9	116	0.8	0.07	0.4	0.5	0.11	B
18	19	38	4.8	19-27.7	155-14.8?	8.0*	1.2	9	261	6.5	0.65	5.8		0.52	D
18	21	29	5.0	19-20.1	155-12.5	8.9	1.6	14	199	4.4	0.13	0.8	1.2	0.09	C
18	22	6	36.0	19-24.0	155-16.8	2.1	0.7	10	163	1.2	0.08	0.6	0.3	0.11	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 18	22	16	32.9	19-19.1	155-11.3	8.0*	1.8	11	228	6.2	0.19	1.3		0.09	D
18	23	0	26.5	19-21.2	155-17.5	27.8	2.0	17	79	2.1	0.13	1.0	1.3	0.11	B
19	2	6	44.2	19-24.8	155-28.6	2.5		14	186	12.6	0.23	1.1	1.9	0.17	C
19	0	21	44.3	19- 4.9	155-29.5	22.9	2.2	15	195	9.0	0.27	1.8	3.1	0.13	C
19	8	55	11.4	19- 3.5	155-29.6	24.5	2.4	15	285	11.5	1.07	5.8	5.9	0.13	D
19	14	15	32.8	19-19.4	155- 8.4	8.0*	1.5	8	176	5.5	0.16	1.4		0.13	C
19	16	47	33.5	19-26.4	155-25.6	8.0*	1.6	10	194	7.4	0.08	0.6		0.07	C
19	17	0	17.4	19-22.9	155-23.2?	8.0*	1.5	9	261	6.3	2.49	13.8		0.90	D
19	17	44	53.4	19-26.7	155-23.9	5.6	1.8	14	192	5.8	0.13	0.8	0.8	0.13	C
19	18	2	28.1	19-58.8	155-27.9	46.9*		6	310	16.2	0.05	0.7		0.02	D
19	18	44	53.7	19-21.0	155-12.8	1.2		7	191	2.7	0.28	0.9	0.8	0.08	B
19	18	45	38.0	19-16.7	155-24.1?	0.0	1.8	14	130	6.7	4.80	0.7	9.2	0.15	C
19	19	31	43.8	19-19.8	155-26.1	6.4	1.8	12	140	5.0	0.14	1.1	0.9	0.15	B
19	19	59	48.0	19-24.3	155-17.0?	0.6	0.6	8	144	1.1	0.08	0.3	0.2	0.10	B
19	21	9	22.5	19-26.2	155-16.1?	3.2*	0.7	9	233	2.9	0.43	2.4		0.38	D
19	22	39	19.7	19-23.8	155-18.0	9.7	1.6	8	137	1.8	0.23	1.5	1.9	0.07	B
20	3	55	59.0	19-27.8	155-16.1?	8.0*	1.1	7	318	5.1	0.28	4.3		0.27	D
20	4	3	39.3	19- 4.0	155-29.6	25.0	2.3	16	284	10.5	0.97	5.2	5.6	0.12	D
20	4	37	49.1	19-49.6	155-29.9	15.9	2.1	13	259	6.6	0.35	2.5	2.1	0.07	C
20	5	53	52.6	19-23.9	155-21.4	7.4	1.3	14	137	3.0	0.05	0.4	0.3	0.09	B
20	5	56	21.5	19-23.5	155-21.6	6.6		10	140	3.4	0.31	0.8	2.8	0.13	B
20	6	14	12.6	19-23.8	155-16.8	10.2	1.7	11	113	0.8	0.06	0.3	0.5	0.03	A
20	9	48	20.6	19-24.4	155-25.3	2.3		9	223	8.5	0.18	0.9	1.4	0.09	B
20	11	55	55.2	19-21.4	155-25.7	5.6		11	136	4.7	0.14	1.0	1.2	0.16	B
20	13	8	36.1	19-26.1	155-25.0	7.1	1.6	15	164	7.4	0.13	0.9	0.6	0.14	C
20	13	30	29.5	19-23.9	155-39.0?	1.8	2.2	12	203	28.4	1.90	2.2	13.3	0.18	C
20	13	33	19.6	19-24.3	155-17.6	0.7	0.5	9	99	0.8	0.15	0.4	0.3	0.11	B
20	13	38	51.1	19-19.9	155-11.8	8.0*	1.9	12	163	5.0	0.09	0.8		0.10	C
20	13	51	55.7	19-23.7	155-17.8	4.0	0.8	9	96	1.6	0.11	0.5	1.0	0.06	A
20	18	12	33.8	19-15.7	155-12.3	8.0*	1.6	7	269	11.8	0.42	2.4		0.09	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 20	18	56	37.5	19-29.2	155-16.1?	8.0*	1.4	9	322	7.5	0.43	4.7		0.36	D
20	22	15	6.9	19-19.0	155-15.4	5.3	1.3	11	191	4.1	0.24	1.5	1.3	0.23	C
20	22	42	13.1	19-20.6	155-13.9	6.8	1.1	9	172	3.4	0.14	1.1	0.8	0.12	C
20	22	56	57.9	19-24.0	155-16.4?	1.8		8	188	1.5	0.15	0.8	0.4	0.11	C
20	23	16	47.8	19-23.4	155-17.1	5.4		8	106	0.3	1.06	2.3	7.1	0.20	B
20	23	37	31.6	19-20.6	155-13.3	9.2	1.5	13	176	3.5	0.13	0.8	1.2	0.10	C
21	0	13	31.4	19-21.0	155-12.8	8.5		15	144	2.7	0.08	0.8	1.0	0.11	B
21	0	41	57.7	19-25.8	155-21.9	6.9	1.6	16	109	4.0	0.07	0.6	0.5	0.12	B
21	1	2	36.7	19-20.6	155- 8.1?	7.1	1.8	12	232	4.1	0.35	2.1	1.1	0.17	C
21	3	46	13.9	18-59.7	155-10.4	15.2*		16	256	35.6	0.42	2.9		0.15	D
21	4	3	56.1	19-22.5	155- 6.6	8.0*	2.0	10	185	5.6	0.22	2.3		0.20	C
21	5	50	51.6	19-22.8	155-18.4	10.2	1.4	9	196	2.7	0.21	1.2	1.6	0.06	C
21	6	18	3.0	19-20.7	155- 9.6?	7.8		16	154	2.6	0.11	1.2	0.6	0.17	C
21	6	25	39.5	19-32.4	155-13.4	1.8*	1.6	8	336	15.0	0.74	4.4		0.22	D
21	6	56	6.8	19-29.2	155-12.3?	8.0*	1.3	6	344	11.5	1.12	10.5		0.24	D
21	7	20	43.2	19-20.9	155-13.5	11.0	0.9	8	169	3.3	0.14	0.7	1.2	0.04	B
21	8	8	28.3	19-19.6	155-11.3	8.0*		15	170	5.3	0.08	0.7		0.11	C
21	16	31	27.9	19-24.4	155-28.8	4.2	1.9	19	143	12.4	0.12	0.7	0.8	0.16	B
21	17	16	20.6	19- 0.7	155-30.1	27.3		15	295	16.7	1.33	7.2	6.7	0.13	D
21	19	2	37.4	19-44.7	155-33.3	32.4	2.6	22	97	10.8	0.20	0.9	2.7	0.13	B
22	4	15	2.5	19-20.9	155-11.8?	8.0		14	189	3.3	0.11	0.9	0.4	0.11	C
22	7	5	9.9	19-19.7	155- 3.8?	0.0	2.1	14	199	11.5	7.25	1.6	13.6	0.18	C
22	7	18	8.4	19-24.5	155-26.1	4.0	2.2	16	130	9.4	0.12	0.8	1.1	0.18	B
22	10	2	26.9	19- 2.9	155-24.2	41.5		15	220	13.8	0.60	2.9	5.7	0.15	C
22	11	35	9.2	19-24.7	155-16.9	1.2	1.5	13	92	0.4	0.07	0.4	0.3	0.13	B
22	11	41	34.3	19-21.2	155- 7.4	4.4	2.1	19	132	4.5	0.10	0.7	0.8	0.15	C
22	14	7	55.6	19-22.9	155-22.4	5.7	1.4	12	152	4.9	0.12	0.8	0.8	0.16	C
22	18	25	55.0	19-21.0	155- 7.2	2.7	2.1	17	149	4.9	0.11	0.9	1.2	0.16	C
22	23	8	17.5	19-24.2	155-17.1?	1.1	1.1	12	137	1.1	0.15	0.8	0.8	0.22	C
23	0	22	54.3	19-24.0	155-26.7	2.3	2.6	14	86	12.4	0.16	0.9	1.4	0.20	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 23	1	38	15.6	19-31.6	155-41.8?	12.6*		16	287	31.8	0.91	5.9		0.18	D
23	5	59	6.9	19-23.9	155- 0.7	6.4		14	154	8.3	0.18	1.6	1.3	0.24	C
23	7	30	6.3	19- 2.4	155-30.5	26.5		12	291	13.8	1.14	6.0	6.5	0.11	D
23	7	46	15.6	19-19.6	155- 9.4	7.5		11	171	4.6	0.14	1.3	0.7	0.15	C
23	7	47	36.0	19-20.4	155- 9.1	4.6	1.8	17	143	3.3	0.13	1.0	1.0	0.20	C
23	7	59	6.5	19-26.0	155-17.3	11.0	1.5	7	291	1.2	0.76	2.4	4.6	0.03	C
23	8	2	47.2	19- 0.8	155-30.4	27.9		15	295	16.7	1.22	6.6	6.2	0.12	D
23	11	55	33.8	19-21.0	155-13.4	7.6	1.5	14	143	3.0	0.10	1.0	0.6	0.18	B
23	12	0	28.2	19-24.6	155-18.7	10.5	1.4	6	202	2.2	0.19	0.9	1.3	0.02	B
23	12	3	50.3	19-25.4	155-17.2	7.6	1.1	8	122	1.0	0.03	0.6	0.4	0.04	B
23	12	17	14.1	19-23.7	155-16.7	8.7	1.3	10	83	0.7	0.08	0.6	0.8	0.06	A
23	12	37	20.7	19-24.2	155-18.2	4.6	1.1	9	69	2.4	0.20	0.8	1.7	0.11	B
23	12	51	24.5	19-24.3	155-17.8	10.2	1.3	7	119	0.9	0.45	1.0	3.3	0.03	B
23	13	48	6.7	19-25.4	155-17.2	7.7	1.1	11	122	0.7	0.08	0.7	0.7	0.10	B
23	13	56	25.6	19-23.1	155-18.1	4.7	1.3	7	124	2.0	0.13	0.5	1.1	0.05	B
23	14	5	2.7	19-23.9	155-17.4	8.5		6	181	1.4	0.13	1.1	1.3	0.04	C
23	15	1	5.3	19-24.0	155-17.6	9.1		8	120	1.4	0.03	0.2	0.3	0.01	A
23	15	31	13.6	19-24.4	155-16.7	7.1	1.1	10	92	1.1	0.10	1.0	0.9	0.10	B
23	15	44	57.1	19-24.1	155-17.6	9.4	1.6	8	121	1.2	0.08	0.6	0.7	0.03	B
23	18	54	58.9	19-24.3	155-17.5	9.4	1.3	10	99	0.7	0.08	0.5	0.7	0.04	A
23	20	31	51.0	19-24.9	155-17.2	9.3	1.3	9	188	0.7	0.19	1.3	1.5	0.09	C
23	20	40	38.4	19- 0.6	155-29.8	27.1	2.3	14	294	16.8	1.25	6.8	6.3	0.13	D
23	21	25	32.9	19-21.1	155-25.4	4.0	2.1	16	144	11.0	0.16	1.1	1.2	0.21	C
23	21	39	13.1	19-24.8	155-27.8	5.7	1.7	12	224	11.5	0.30	1.6	1.2	0.16	C
23	22	18	27.1	19-25.1	155-28.5	4.5	1.3	11	227	12.5	0.38	1.9	2.4	0.13	C
23	22	26	35.4	19-24.2	155-17.4	7.5	1.1	8	110	1.0	0.05	0.6	0.3	0.04	A
24	0	12	7.1	19-20.5	155-16.5?	6.4	1.0	7	203	1.8	0.30	1.6	0.9	0.08	C
24	5	58	19.3	19-49.0	155-20.2	12.0	2.0	15	132	8.2	0.08	1.8	2.5	0.07	B
24	6	27	56.5	19-30.3	155-17.8?	7.1	1.4	17	97	7.1	0.09	0.8	1.7	0.17	B
24	7	22	22.4	19-24.0	155-16.4	8.7		8	188	1.5	0.14	1.0	1.1	0.04	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 24	16	20	57.5	19-13.0	155-36.8?	8.2	2.4	15	124	3.5	0.13	0.9	0.9	0.16	B
24	16	20	57.5	19-13.0	155-36.8?	8.2	2.4	15	124	3.5	0.13	0.9	0.9	0.16	B
24	17	14	51.9	19-25.1	155-28.C	8.C*		7	265	12.0	0.34	1.9		C.07	D
25	2	25	39.9	19-25.2	155-15.5?	0.1	0.7	9	235	2.8	0.73	1.4	0.9	C.25	D
25	12	16	47.0	19-21.9	155-22.6	5.3	1.6	18	106	3.4	0.13	0.9	0.8	C.22	C
25	20	17	15.9	19-20.0	155-17.3	27.6		14	133	9.0	0.19	0.9	1.8	0.12	B
26	1	24	59.1	19-38.7	156- 7.9	41.C		17	261	26.1	0.54	2.7	4.2	0.11	D
26	2	28	46.2	19-15.5	155-10.C?	2.4		12	268	13.6	2.04	4.4	21.7	0.21	D
26	3	33	1.7	19-18.0	155- 7.4	8.C*		12	262	8.7	0.39	2.2		C.09	D
26	9	2	59.2	19- 1.2	155-29.5	25.8*		13	292	15.5	0.42	3.3		C.13	D
26	12	56	9.7	19- 1.5	155-15.6	45.9	3.8	24	226	26.1	0.41	2.1	3.2	C.16	C
26	15	39	8.7	19-20.9	155-13.6	37.8		12	159	3.4	0.44	1.9	3.9	0.10	C
26	22	37	2.4	19-25.2	155-23.6	8.C*	1.6	16	156	6.8	0.C8	0.6		0.11	C
26	23	22	20.(	19-21.5	155-19.5	4.7		8	105	4.0	0.13	0.2	1.6	0.04	A
27	2	7	43.6	19-20.9	155- 7.2	8.C*		11	168	5.C	C.09	1.2		0.11	C
27	3	26	51.8	19-21.5	155-14.C	6.2	1.5	17	147	2.3	0.11	0.8	0.6	0.18	B
27	7	15	8.1	19-17.1	155-17.3	28.3		17	152	2.9	0.17	1.0	1.7	0.10	C
27	7	19	19.9	19-19.9	155-45.1?	9.9*	2.5	13	279	16.7	1.24	7.4		0.14	D
27	1C	39	36.5	19-59.1	155-39.C	37.8*		1C	320	30.2	0.54	3.9		0.10	D
27	18	26	49.6	19-16.7	155-23.8	4.0		14	141	6.6	0.1C	0.8	1.4	0.16	B
27	18	40	8.2	19-16.3	155-23.7	2.9		19	13C	7.2	0.11	0.9	1.2	C.21	C
27	20	40	26.6	19-16.8	155-14.C	8.0*	1.5	8	247	8.4	0.73	4.4		0.24	D
28	1	27	39.3	19-29.9	155-51.4	6.5	2.9	19	129	7.3	0.19	2.2	3.1	0.18	C
28	1	46	3.9	19-24.5	155-17.1	1.0		10	136	0.8	0.07	0.4	0.4	0.11	B
28	4	33	50.8	19-21.9	155-23.6	6.6		16	72	3.1	0.07	0.6	0.6	0.14	B
28	7	3	52.0	19-22.9	155- 9.C?	8.3		9	204	2.1	0.18	2.8	1.7	0.14	C
28	9	11	5.1	19-27.9	155-18.2?	7.9	1.2	7	316	4.6	1.16	6.8	3.8	0.22	D
28	13	55	55.4	19-43.4	155- 1.1?	8.0*	1.9	11	215	7.3	0.41	3.7		0.56	D
28	15	20	32.3	19-20.2	155-12.4	6.3	1.8	10	196	4.2	0.12	0.8	0.5	0.08	C
28	15	25	21.5	19-22.7	155-16.1	2.0	0.7	7	128	0.6	0.10	0.8	0.4	0.12	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 28	20	25	0.6	19-19.0	155-20.7?	8.0*		6	324	10.4	1.94	13.7		0.50	D
28	23	11	28.6	19-19.9	155- 7.3	8.0*	1.6	11	181	6.0	0.12	1.1		0.12	C
29	0	29	7.8	19-22.5	155- 3.1	8.0*		13	121	4.8	0.15	1.3		0.25	C
29	1	9	30.8	19-21.0	155-14.0	6.4	1.6	15	179	2.7	0.14	1.1	0.7	0.18	C
29	1	51	20.3	19-28.6	155-14.2?	8.0*	1.4	9	322	8.3	0.97	6.3		0.52	D
29	2	13	27.6	19-20.7	155- 8.1	8.1	1.6	12	196	4.0	0.21	2.0	2.7	0.16	C
29	2	36	25.4	19-30.0	155-28.5	3.7	1.8	17	98	9.1	0.15	1.0	1.5	0.24	B
29	2	42	8.3	19-30.0	155-21.9?	8.0*	1.5	9	238	2.5	3.98	26.3		0.98	D
29	2	47	15.3	19-25.2	155-24.3	8.0*		8	201	7.6	0.11	0.7		0.07	C
29	2	54	52.3	19-21.0	155-13.8	29.4	2.3	22	154	3.1	0.11	0.7	1.0	0.10	B
29	6	52	38.8	19-24.7	155-23.9	8.0*	1.4	15	60	7.6	0.03	0.3		0.07	B
29	8	4	14.2	19-19.5	155-16.1	6.1	1.5	12	170	2.5	0.13	1.0	0.7	0.16	C
29	8	5	54.5	19-13.2	155-29.1?	0.0		10	99	7.1	0.70	1.2	20.5	0.24	B
29	9	17	39.0	19-19.8	155-11.7	5.6	2.2	22	147	5.2	0.12	0.9	0.7	0.23	C
29	10	38	1.8	19-19.5	155-12.3	8.0*	1.6	12	167	5.5	0.08	0.7		0.11	C
29	12	50	7.1	19-10.8	155-30.0	48.5	2.8	18	94	4.4	0.65	2.5	5.9	0.23	B
29	13	2	45.2	19- 6.1	155-26.0	46.2	2.8	20	184	7.1	0.37	1.7	3.3	0.14	C
29	13	5	20.0	19- 8.6	155-27.6	41.0		12	247	1.8	0.32	2.1	2.1	0.10	C
29	13	8	47.9	19- 7.7	155-28.5	34.8		10	180	3.5	0.70	2.7	7.0	0.18	C
29	13	23	50.2	18-55.7	155-11.0?	8.0*		7	266	39.1	2.12	14.1		0.31	D
29	13	33	55.6	19- 8.3	155-28.6	37.7		17	164	2.6	0.32	1.6	3.3	0.12	C
29	13	35	28.1	19-11.3	155-25.9	28.5		12	159	4.7	0.41	1.6	3.4	0.06	C
29	13	35	44.3	19-11.6	155-25.9	26.9		9	167	5.1	0.49	2.2	4.2	0.08	C
29	13	56	23.7	19-24.2	155-17.3	0.9	1.0	10	116	1.0	0.09	0.5	0.7	0.14	B
29	14	47	19.8	19-21.5	155- 3.3	7.3		10	116	3.1	0.18	2.0	1.4	0.20	B
29	16	39	3.6	19-20.1	155-44.6	6.4		10	276	16.4	0.82	4.3	1.4	0.11	D
29	17	21	13.9	19-21.4	155- 5.9	8.0*	1.8	9	136	5.9	0.16	1.7		0.28	C
29	20	12	13.6	19-22.7	155-14.3	4.9	1.3	12	145	2.4	0.14	0.6	1.2	0.10	B
29	22	1	11.1	19-23.0	155-16.9	13.9	2.2	24	61	0.8	0.06	0.6	0.8	0.12	B
29	23	0	17.5	19-27.6	155-44.4	5.5	2.6	20	118	15.2	0.13	0.9	1.2	0.20	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 30	2	13	57.9	19-25.6	155-15.0?	0.0	0.6	9	246	3.7	0.67	1.0	1.4	0.17	C
30	3	31	37.5	19-24.3	155-17.3	0.4	0.2	9	114	0.8	0.07	0.3	0.2	0.10	A
30	3	34	26.6	19-19.1	155- 9.2	8.4	1.5	10	238	5.7	0.37	2.5	3.5	0.13	C
30	4	23	57.3	19-18.8	155-12.9	10.6	1.4	11	219	6.8	0.38	1.7	2.9	0.12	C
30	4	27	19.0	19-20.0	155-10.7	7.8	1.7	11	232	4.2	0.34	2.7	1.1	0.18	D
30	6	18	1.3	19-28.0	155-14.9?	8.0*	1.3	9	317	6.7	0.33	3.8		0.39	D
30	6	29	52.7	19-21.8	155-14.1	29.5		16	127	2.0	0.21	1.0	1.9	0.09	B
30	6	34	23.8	19-24.5	155-24.9	8.0*	1.2	14	194	8.4	0.08	0.6		0.07	C
30	7	27	48.7	19-25.7	155-15.3	22.2	2.1	24	77	3.4	0.10	0.7	1.1	0.13	B
30	10	8	39.8	19-19.7	155- 7.9	4.3	2.0	17	172	5.5	0.17	1.2	1.3	0.24	C
30	10	36	57.0	19-25.6	155-16.0?	3.2*	0.7	10	229	2.2	0.36	2.0		0.34	D
30	14	25	35.1	19-21.1	155-13.4	9.2	1.6	10	164	3.6	0.27	1.5	2.5	0.14	C
30	15	27	2.8	19-21.9	155-54.6	8.0*	2.6	11	311	33.3	0.25	1.6		0.08	D
30	21	26	32.0	19- 2.4	155-20.5	28.4	2.4	21	215	18.3	0.27	1.5	3.0	0.14	C
30	22	1	45.4	19-21.1	155-28.2	3.1	1.8	15	84	8.7	0.10	0.7	1.3	0.18	B
30	23	19	20.7	19-17.4	155-27.3	5.0	1.9	16	93	8.6	0.07	0.6	0.7	0.15	B
30	23	31	47.6	19-20.6	155-11.7	7.0	1.6	18	154	3.9	0.11	1.0	0.6	0.20	C
31	0	28	36.6	19-21.3	155-25.9?	6.7	1.7	15	74	5.0	0.14	1.3	3.3	0.27	C
31	0	57	50.5	19-21.0	155-12.6	13.0	1.4	10	174	4.9	0.19	0.7	1.5	0.05	B
31	1	7	42.2	19-21.9	155-25.1	7.6		13	68	4.4	0.10	0.8	0.6	0.15	B
31	2	37	6.4	19-26.9	155-14.3?	8.0*	0.9	9	262	6.0	0.51	4.5		0.43	D
31	2	58	12.4	19-29.0	155-17.4?	8.0*	1.3	8	322	6.7	0.58	5.1		0.42	D
31	4	53	11.6	19-27.3	155-14.7?	8.0*	1.0	10	259	6.0	0.54	4.4		0.47	D
31	5	36	21.1	19-23.3	155-16.5	14.5	1.6	18	67	0.6	0.09	0.8	1.1	0.14	B
31	6	35	34.0	19-24.1	155-16.8	7.9	1.2	8	181	1.4	0.05	0.5	0.3	0.03	B
31	6	55	59.1	19-22.2	155-25.9?	7.4		18	107	5.8	0.19	1.4	1.2	0.30	C
31	13	34	58.9	19-13.9	155-28.5?	8.4	2.3	21	96	8.2	0.12	0.7	1.1	0.15	B
31	13	58	31.8	19-14.0	155-28.3?	8.2	2.8	23	98	8.3	0.14	0.8	1.3	0.18	B
31	17	4	18.7	19-24.2	155-24.4	3.4	1.5	15	130	7.6	0.15	1.0	2.0	0.23	C
31	17	30	3.1	19-24.2	155-24.9	1.7		10	208	7.9	2.22	1.2	8.0	0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
MAY 31	20	20	43.8	19-24.1	155-17.2	17.7		13	92	1.2	0.17	0.8	1.6	0.08	A
31	21	31	11.8	19-24.3	155-17.3	1.0	0.7	10	118	0.9	0.06	0.4	0.4	0.09	A
1	0	23	54.2	19-13.0	155-27.3?	0.0	2.2	23	116	6.5	4.45	0.9	8.4	0.24	B
1	0	48	41.5	19-13.1	155-27.8?	0.0		17	120	6.7	5.69	0.9	10.8	0.23	B
1	1	58	3.5	19-20.0	155-12.4	5.8		11	201	4.6	0.25	1.5	1.0	0.19	C
1	3	19	10.4	19- 9.1	155-29.3	29.8		14	176	17.4	0.34	1.6	3.7	0.14	C
1	9	19	10.6	19-24.2	155-17.3	0.5	0.3	9	122	0.9	0.08	0.3	0.2	0.10	B
1	11	4	2.7	19-24.5	155-16.5?	0.5	0.5	8	162	0.8	0.13	0.5	0.3	0.12	C
1	14	1	59.2	19-18.8	155-15.7?	8.5		11	193	3.8	0.24	1.5	2.1	0.16	C
1	15	50	8.6	19- 4.9	154-50.9?	8.0*		17	293	34.9	2.46	15.2		0.38	D
1	16	56	1.9	19-27.4	155-16.5?	8.0*	1.2	7	320	4.1	1.65	10.4		0.39	D
1	17	13	26.9	19-24.3	155-15.1	1.8	0.8	6	257	3.4	0.20	0.6	0.4	0.02	C
1	18	5	0.6	19-20.0	155- 9.4	8.4	1.0	8	166	4.0	0.07	0.7	1.3	0.06	B
1	18	59	38.3	19-25.1	155-17.3	2.2	0.7	8	176	0.6	0.06	0.5	0.2	0.06	B
1	19	1	44.1	19-23.8	155-16.8	12.7		15	88	0.8	0.05	0.6	0.5	0.09	B
1	19	38	60.0	19-24.3	155-17.2	0.6	1.0	9	129	0.9	0.07	0.3	0.2	0.08	B
1	21	14	40.0	19-24.1	155-22.8?	8.4	1.5	17	113	5.5	0.08	0.8	1.8	0.14	B
1	21	53	34.5	19-53.9	155-17.1?	17.9*		7	318	45.8	1.27	9.2		0.33	D
1	23	6	40.0	19-23.7	155-10.7?	1.4	1.1	11	108	3.3	0.31	1.1	1.2	0.18	B
1	23	55	47.3	19-24.2	155-15.8	3.0		8	222	2.2	0.16	0.7	1.4	0.06	B
2	1	16	38.3	19-21.3	155-10.8	36.4		12	194	9.2	0.25	1.8	2.1	0.14	C
2	1	30	49.0	19-19.6	155-13.2	4.5		18	188	5.5	0.23	1.4	1.4	0.28	C
2	3	8	55.4	19-12.6	155-33.6	4.6		17	101	7.5	0.14	1.0	1.0	0.20	B
2	4	3	26.3	19-21.4	155-13.8	6.8	2.2	21	148	2.6	0.06	0.5	0.3	0.14	B
2	4	14	19.8	19-21.2	155- 6.2	1.9	2.0	18	197	11.6	0.43	1.1	1.6	0.17	C
2	4	35	28.1	19-29.5	155-16.1?	8.0*	1.3	8	323	8.0	0.45	4.7		0.36	D
2	6	3	20.1	19-24.0	155-17.2	2.1	0.6	8	130	1.2	0.03	0.3	0.1	0.05	B
2	7	7	42.1	19-24.3	155-17.3	1.0	0.6	9	121	0.9	0.07	0.4	0.4	0.10	B
2	9	30	37.2	19-19.6	155-16.1	6.1	1.9	20	139	2.5	0.09	0.7	0.6	0.19	B
2	9	44	10.8	19-25.3	155-17.2	2.1	0.7	9	205	0.7	0.06	0.5	0.5	0.06	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN	2	11	20	8.9	19-27.6	155-14.2?	8.0*	1.5	8	314	7.0	0.29	3.3		0.25	D
	2	11	40	51.6	19-24.3	155-17.0	0.5	0.6	9	152	1.0	0.10	0.4	0.2	0.10	B
	2	12	10	6.1	19-20.8	155-13.4	6.3		11	172	3.9	0.23	1.5	1.2	0.21	C
	2	14	36	9.9	19-22.4	155-22.5	4.0		11	149	4.2	0.12	0.9	1.2	0.15	B
	2	17	28	36.4	19-18.8	155-11.5	4.2	2.0	18	156	6.6	0.13	0.8	0.9	0.20	C
	2	20	31	43.2	19-28.1	155-14.9?	0.5*	1.6	8	317	6.8	0.32	2.0		0.19	D
	2	21	50	43.6	19-21.0	155- 7.4?	7.1	2.0	15	149	4.7	0.11	1.1	1.5	0.14	B
	2	21	57	10.6	19- 8.6	155-27.2	36.0	2.4	14	180	2.0	0.36	1.9	3.4	0.13	C
	2	21	58	10.8	19- 8.3	155-26.8	37.2	2.4	15	184	3.0	0.43	2.2	4.0	0.14	C
	2	23	19	36.1	19-18.8	155- 9.6?	0.0	1.7	14	184	6.0	1.62	1.8	22.1	0.28	C
	2	23	43	42.2	19-19.0	155-12.9	14.8		9	215	6.4	0.16	0.9	1.4	0.04	B
	3	2	8	21.3	19-28.6	155-16.5	4.1	1.2	8	318	6.2	0.36	2.2	4.5	0.07	C
	3	2	45	2.0	19-39.7	155-39.5	13.7*		15	243	24.8	0.21	1.5		0.13	D
	3	4	42	41.4	19-20.9	155-11.7	8.4		13	181	3.4	0.07	0.6	0.9	0.03	B
	3	5	27	19.8	19-21.1	155-15.3	27.4		20	130	1.3	0.18	1.2	1.7	0.19	B
	3	5	41	5.2	19-28.0	155-15.9	8.0*	1.4	8	315	5.6	0.78	4.5		0.24	D
	3	5	58	37.1	19-25.1	155-22.8	7.6	2.2	16	158	6.0	0.09	0.7	0.4	0.11	C
	3	6	45	37.8	19-16.2	155-26.7	8.0*		10	140	12.6	0.07	1.0		0.10	C
	3	6	46	10.9	19-16.2	155-26.8	8.0*		9	140	12.5	0.09	1.2		0.12	C
	3	7	19	1.6	19-19.6	155-15.7	5.8		15	163	3.2	0.13	1.0	0.9	0.19	C
	3	8	3	8.2	19-13.9	155-28.4	5.4		14	106	8.2	0.09	0.9	0.8	0.15	B
	3	10	25	0.3	19-24.7	155-23.4	8.0*		8	223	6.8	0.15	0.9		0.07	C
	3	10	50	35.9	19-18.8	155- 8.3?	0.0	1.9	17	185	6.7	5.39	1.2	10.2	0.21	C
	3	13	39	17.6	19-27.7	155-15.8?	0.5	1.9	9	313	5.3	0.91	2.5	2.0	0.21	D
	3	13	50	27.7	19-28.8	155-16.2?	8.0*	1.9	8	320	6.7	0.33	3.8		0.34	D
	3	13	51	50.8	19-24.3	155-17.4	0.9	0.8	8	108	0.8	0.10	0.5	0.7	0.13	B
	3	13	55	58.2	19-28.6	155-16.9	8.0*	1.7	7	319	6.9	0.87	5.4		0.26	D
	3	14	23	9.7	19-14.9	155-22.1	1.2	2.1	14	167	10.0	0.49	1.1	1.9	0.18	C
	3	15	14	16.8	19-10.8	155-26.7	7.7	2.2	13	175	3.2	0.19	2.8	2.2	0.16	C
	3	15	41	18.0	19-24.4	155-16.3?	1.4	0.7	8	212	1.6	0.11	0.5	0.3	0.05	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 3	15	47	21.5	19-27.3	155-27.9	2.3	1.7	16	98	9.4	0.08	0.5	0.8	0.12	B
3	17	9	51.6	19-18.8	155-15.4	5.6	1.5	13	196	4.3	0.20	1.3	0.8	0.23	C
3	17	37	27.7	19-23.2	155- 4.1?	0.0		11	101	6.4	0.31	1.0	12.0	0.22	B
3	19	18	5.4	19-13.2	155-27.8	3.4	2.2	15	118	6.9	0.11	0.9	1.0	0.17	B
3	23	17	11.4	19-29.4	155-15.8?	8.0*	2.2	8	323	8.0	0.47	5.3		0.38	D
3	23	23	31.6	19-53.0	155-35.7	31.5	2.6	25	227	18.2	0.19	1.0	1.9	0.12	C
4	0	35	43.7	19-22.8	155-16.1	22.1		11	141	0.8	0.29	1.5	2.5	0.10	B
4	4	11	36.7	19-27.0	155-15.0?	8.0*	1.8	10	267	5.2	0.23	3.3		0.42	D
4	8	0	26.6	19-27.2	155-14.4	8.0*	1.9	8	309	6.2	0.72	4.0		0.20	D
4	8	36	10.9	19-20.4	155- 7.2	8.0*	1.8	13	159	5.5	0.07	0.7		0.10	C
4	8	55	24.2	19-24.3	155-15.4	2.8		7	199	1.4	0.05	0.3	0.5	0.02	B
4	11	55	57.9	19-19.8	155-15.9	7.7		14	159	2.6	0.08	0.7	0.5	0.15	C
4	18	34	16.9	19-23.3	154-56.4	5.2		6	183	7.4	0.12	1.0	3.9	0.05	B
4	19	43	59.9	19-19.9	155-10.0	8.2	2.0	10	167	4.0	0.09	0.8	1.4	0.08	B
4	21	39	24.4	19-25.3	155-22.3?	8.0*	1.4	8	225	5.4	3.34	20.5		0.91	D
4	22	22	0.2	19-25.2	155-17.1	2.2	0.3	8	205	0.5	0.07	0.5	0.5	0.05	B
4	23	50	41.2	19-23.9	155-15.8	1.7		7	219	2.3	0.20	0.9	0.5	0.09	B
4	23	55	41.2	19-18.5	155-25.1	7.5	2.3	19	101	4.5	0.09	0.7	0.6	0.16	B
5	0	53	11.3	19-20.8	155-14.4	6.8	0.7	9	142	2.5	0.09	0.6	0.5	0.07	B
5	1	37	11.3	19-23.5	155-17.5?	8.0*	1.7	7	146	1.0	1.09	9.7		0.50	C
5	1	52	7.3	19-20.4	155- 8.3?	8.1	1.6	6	160	4.0	0.37	4.0	2.7	0.19	C
5	2	51	3.5	19-26.1	155-15.5	6.2	1.0	8	287	3.5	0.66	3.3	2.7	0.14	D
5	3	25	24.6	19-25.1	155-17.5	4.3	2.0	14	82	0.7	0.06	0.5	0.6	0.13	B
5	4	20	2.6	19-18.2	155-13.5	8.0*	1.2	9	225	7.3	0.23	1.5		0.13	C
5	4	34	2.5	19-23.3	155-17.4?	2.1	0.6	8	134	1.1	0.10	0.5	1.4	0.08	B
5	6	15	55.0	19-18.6	155-15.4	10.0	1.7	11	201	4.4	0.24	1.2	1.9	0.10	C
5	9	3	45.2	19-17.4	155- 2.6	29.8		8	257	23.7	0.55	2.9	4.2	0.09	D
5	9	32	56.1	19-19.6	155-13.6	9.8		10	196	5.1	0.25	1.3	2.1	0.10	C
5	11	30	15.4	19-19.6	155-15.9?	6.9		12	173	2.8	0.17	1.1	0.8	0.17	C
5	11	44	29.5	19-22.6	155- 3.3	8.0*	2.2	14	177	5.0	0.14	1.0		0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 5	14	55	6.3	19-49.7	156-34.9	8.0*		8	329	77.2	3.82	22.8		0.08	D
5	15	16	19.1	19-24.5	155-24.5?	7.9	1.6	17	83	8.2	0.06	0.5	0.6	0.11	B
5	15	29	29.5	19-20.4	155-10.1	7.1	1.7	15	159	3.1	0.13	1.2	0.8	0.19	C
5	16	48	25.6	19-23.6	155-17.0	3.9	2.7	20	50	0.3	0.07	0.6	0.7	0.19	B
5	17	26	6.7	19-28.7	155-15.7?	8.0*	1.6	8	319	6.9	0.32	4.3		0.38	D
5	23	10	56.6	19-23.8	155-17.0	2.0	0.9	10	110	0.9	0.03	0.2	0.1	0.04	A
6	1	11	5.3	19-14.2	155-28.9?	7.5	2.6	20	91	8.9	0.06	0.6	1.4	0.13	B
6	3	6	54.3	19-21.4	155-13.7	6.3	1.4	15	154	2.6	0.12	0.9	0.7	0.18	C
6	5	0	57.5	19-23.1	155-24.4	7.3	1.6	20	59	5.7	0.08	0.6	0.6	0.16	B
6	8	13	38.8	19-24.4	155-17.6	7.8	1.2	11	73	0.6	0.02	0.3	0.2	0.04	A
6	11	32	18.7	19-19.9	155- 9.0	9.2		8	168	4.3	0.07	0.6	1.2	0.05	B
6	12	51	45.6	19-42.6	155-46.3	15.8*		9	209	26.3	0.22	1.8		0.16	C
6	13	51	31.7	19-44.1	155-45.2	10.2	2.6	19	153	29.6	0.11	1.1	1.6	0.15	C
6	14	19	5.5	19-25.8	155-14.7	30.3	2.9	24	40	4.4	0.13	0.8	1.4	0.14	B
6	19	4	42.0	19-24.2	155-16.3	1.8		7	198	1.8	0.06	0.3	0.2	0.04	B
6	20	32	56.1	19-58.7	155-32.2	14.9*	2.5	24	289	18.2	0.26	1.7		0.14	D
6	20	38	23.8	19-23.1	155-22.7	8.0*		9	165	5.4	0.09	0.7		0.09	C
6	22	17	42.5	19-28.5	155-16.8?	8.0*	1.6	8	318	5.8	0.30	4.3		0.35	D
6	23	10	22.9	19-23.4	155-18.9?	8.0*	1.2	8	181	1.5	1.89	11.7		0.56	D
6	23	58	34.7	19-56.9	155-34.3	9.7	2.4	15	189	16.2	0.12	1.8	1.6	0.10	C
7	6	16	7.4	19-24.1	155-16.4	2.1		8	190	1.6	0.03	0.2	0.1	0.02	B
7	6	52	2.3	19-19.6	155- 8.7?	4.4		13	174	5.1	4.53	1.6	8.4	0.27	C
7	6	52	21.7	19-20.8	155- 9.0	4.9	1.7	18	139	2.8	0.11	0.9	0.8	0.17	C
7	6	53	33.4	19-20.0	155- 9.1?	8.1		13	166	4.0	0.17	1.4	0.8	0.14	C
7	7	59	58.0	19-24.1	155-16.6	2.3	0.4	6	178	1.4	0.08	0.5	1.3	0.04	B
7	19	54	32.1	19-25.2	155-16.9?	1.7	0.8	10	178	0.6	0.10	0.7	1.2	0.11	C
7	20	26	55.2	19-25.3	155-25.4	8.0*	1.8	15	69	9.2	0.07	0.7		0.12	B
7	21	10	24.1	19-29.8	155-14.2	8.0*	1.6	8	327	10.1	0.82	5.3		0.25	D
7	21	27	42.9	19-26.0	155-16.3?	3.2*	1.1	8	228	2.4	0.33	2.1		0.28	D
7	22	27	7.6	19-23.9	155-17.1	1.7	0.8	9	139	1.0	0.05	0.4	0.3	0.07	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 8	0	2	10.8	19-29.0	155-15.2	8.0*	1.5	8	322	7.8	0.79	4.8		0.24	D
8	0	48	46.9	19-11.3	155-32.3	6.5	2.2	9	98	8.5	0.08	0.7	0.7	0.09	A
8	1	6	17.8	19-12.8	155- 7.5	40.3		17	234	17.5	0.16	1.1	1.1	0.08	C
8	1	57	17.7	19-24.4	155-17.2	0.7	0.5	9	123	0.7	0.08	0.3	0.2	0.07	B
8	2	47	2.6	19-24.1	155-16.8	2.8	1.7	13	78	1.3	0.06	0.4	0.8	0.11	B
8	4	25	6.3	19-19.9	155-12.3	4.2	1.6	14	233	4.7	0.42	2.2	1.6	0.26	D
8	6	21	2.2	19-21.0	155-13.9	6.1		15	162	2.8	0.12	0.9	0.6	0.17	C
8	7	46	40.2	19-23.8	155-17.2?	1.1		7	130	0.9	0.40	1.4	3.2	0.12	B
8	7	54	32.1	19-19.6	155-12.4	14.2		8	211	6.3	0.15	0.9	1.4	0.04	B
8	8	1	4.6	19-29.2	155-15.7?	8.0*	2.0	8	322	7.7	1.34	8.8		0.49	D
8	8	47	55.3	19-24.0	155-16.4?	2.2*		7	189	1.6	0.05	0.4		0.04	C
8	9	49	26.4	19-26.6	155-14.7?	5.9	1.2	6	317	5.1	0.99	4.1	3.6	0.09	D
8	12	20	5.3	19-19.1	155-16.0	6.8	1.5	15	144	3.2	0.11	0.9	0.7	0.19	B
8	12	38	11.2	19-34.6	155-17.0?	8.0*	2.0	8	340	14.1	2.90	18.5		0.58	D
8	14	40	42.9	19-24.1	155-17.5	1.2	1.0	10	109	1.1	0.07	0.4	0.4	0.10	B
8	14	58	1.5	19-29.6	155-14.9?	8.0*	1.4	8	325	9.1	0.53	5.8		0.35	D
8	15	24	2.2	19-29.9	155-16.2?	8.0*	1.4	7	330	8.7	0.55	6.0		0.37	D
8	15	31	38.3	19-35.5	155-11.2?	8.0*	1.9	6	350	21.8	4.43	49.4		0.86	D
8	16	6	58.3	19-24.2	155-16.3	2.1		8	202	1.7	0.09	0.5	0.2	0.05	B
8	17	3	40.6	19-29.4	155-14.9?	8.0*	1.4	5	340	8.8	4.04	25.4		0.49	D
8	17	53	31.0	19-21.0	155-23.8?	8.1		14	93	1.7	0.10	0.8	0.6	0.14	B
8	19	44	35.9	19-26.8	155-52.1	6.9	2.6	16	195	9.9	0.17	2.7	3.1	0.15	C
8	20	14	46.7	19-23.9	155-17.8	1.3	0.5	8	131	1.5	0.04	0.2	0.2	0.05	B
8	21	23	51.5	19-30.3	155-15.6?	8.0*	1.5	7	327	9.8	1.42	9.3		0.53	D
8	23	10	37.1	19-23.9	155-16.5	3.2	0.8	10	179	1.1	0.13	0.6	1.1	0.08	B
9	1	39	28.4	19-24.2	155-17.5?	0.5	0.3	9	118	1.0	0.15	0.4	0.3	0.12	B
9	2	24	40.4	19-24.4	155-16.5	1.8	0.8	9	197	1.2	0.05	0.3	0.1	0.05	B
9	2	25	32.8	19-24.2	155-17.0?	1.6	0.5	8	104	1.3	0.06	0.5	0.3	0.10	B
9	4	39	3.6	19-18.7	155-13.3	8.0*		12	218	6.7	0.17	1.1		0.13	C
9	4	52	53.3	19-21.7	155-15.4	11.0		11	133	0.2	0.16	0.9	1.5	0.12	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 9	5	32	24.4	18-54.3	155-10.5	12.3*	3.9	25	254	41.4	0.38	2.5		0.16	D
9	5	46	13.5	19-25.5	155-19.6?	8.0*	1.2	8	320	3.5	1.16	6.9		0.37	D
9	6	47	55.4	19-24.2	155-16.6	2.2		8	178	1.5	0.04	0.3	0.1	0.04	B
9	7	6	36.8	19-23.8	155-17.3	2.0		8	128	1.2	0.03	0.3	0.1	0.03	B
9	8	6	3.6	19-24.3	155-16.8	1.9	0.8	11	124	1.2	0.07	0.5	0.3	0.09	B
9	9	37	18.4	19-25.8	155-15.7	6.1	1.0	8	277	2.8	0.86	4.1	3.4	0.18	D
9	12	21	54.0	19-20.5	155-14.7	9.2		9	165	2.6	0.15	1.1	1.6	0.11	C
9	15	37	37.3	19-19.3	155-13.7	9.0		11	202	5.5	0.18	1.2	1.8	0.12	C
9	15	40	33.3	19-24.1	155-17.9	1.8	1.3	12	79	1.3	0.03	0.2	0.2	0.07	A
9	16	21	22.3	19-18.5	155-13.4	8.0*		9	220	7.5	0.27	1.9		0.18	C
9	16	59	47.3	19-23.6	155-16.9?	2.5	0.7	7	149	0.4	1.39	6.2	6.1	0.26	C
9	18	0	4.6	19-24.3	155-17.1	3.1		7	132	1.0	0.11	0.6	1.1	0.05	B
9	21	13	35.1	19-24.1	155-15.3	1.6	0.8	9	234	3.0	0.21	0.7	0.4	0.06	C
9	21	55	14.2	19-25.4	155-16.0	4.6	0.9	8	258	2.0	0.43	1.9	1.7	0.08	C
9	23	3	15.9	19-23.6	155-13.7?	8.0*	1.6	10	276	4.4	0.64	4.5		0.52	D
10	0	1	38.3	19-18.6	155-26.0	3.2	1.8	16	107	5.6	0.10	0.8	1.1	0.19	B
10	3	14	50.1	19-20.6	155-11.2	8.7		9	207	3.7	0.28	1.5	2.2	0.07	C
10	3	23	26.6	19-23.3	155-14.5	1.4		8	162	3.0	0.10	0.5	0.4	0.08	B
10	4	34	7.2	19-15.0	155-20.8	9.7	1.9	17	167	6.6	0.09	0.9	1.0	0.15	C
10	4	49	20.6	19-31.0	155-15.3?	12.9*		7	331	11.7	1.79	19.7		0.49	D
10	9	17	17.2	19-25.0	155-16.0	0.3	1.5	13	167	1.8	0.38	0.6	0.7	0.14	C
10	14	54	25.8	19-24.0	155-16.9	2.1	1.7	13	112	1.1	0.06	0.4	1.1	0.10	B
10	15	56	29.4	19-22.8	155-24.6	6.4	1.8	15	108	5.3	0.10	0.7	0.7	0.16	B
11	1	10	55.4	19-27.4	155-32.4	8.0*		10	135	7.2	0.14	1.3		0.20	C
11	2	11	19.7	19-24.2	155-16.0	2.0	0.8	9	216	2.0	0.11	0.5	0.2	0.05	B
11	3	16	56.3	19-26.6	155- 5.9?	14.2	2.1	7	332	19.1	1.71	32.9	22.9	0.36	D
11	4	27	32.7	19-19.2	155-13.8?	6.8	2.3	20	171	5.4	0.10	0.8	1.3	0.17	C
11	5	22	4.1	19-28.3	155-51.1	4.7	2.5	15	171	9.1	0.10	0.9	0.8	0.10	C
11	5	26	26.1	19-43.5	155-14.8	14.0*		8	197	20.9	0.19	2.5		0.13	C
11	7	1	7.3	19-23.9	155-16.8	2.1	1.8	17	70	1.0	0.08	0.5	0.3	0.14	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 11	7	7	8.2	19-24.4	155-16.3	2.2*	0.7	8	213	1.6	0.02	0.1		0.02	C
11	7	24	23.2	19-29.4	155-10.8?	8.0*	2.1	10	331	13.7	1.04	6.3		0.25	D
11	8	49	7.8	19-23.9	155-17.2	2.0		8	130	1.2	0.02	0.3	0.1	0.03	B
11	9	38	22.7	19-24.1	155-17.3?	2.3	0.5	7	124	1.1	0.07	0.5	0.4	0.03	B
11	10	31	7.1	19-23.9	155-17.1?	2.2		8	134	1.1	0.07	0.5	0.2	0.07	B
11	10	45	7.2	19-23.9	155-17.7	2.1	0.6	6	132	1.6	0.04	0.3	0.2	0.03	B
11	13	3	43.6	19-23.9	155-17.0	2.0	0.9	10	143	0.9	0.06	0.5	0.3	0.09	B
11	13	37	11.9	19-24.7	155-15.1	4.3	1.1	7	267	3.4	0.14	0.5	0.6	0.01	C
11	15	11	26.4	19-28.0	155-15.2?	8.0*	1.8	9	317	6.4	0.22	4.0		0.34	D
11	15	27	40.4	19-28.2	155-15.6?	8.0*	1.3	8	316	6.3	0.29	4.5		0.42	D
11	15	53	9.6	19-23.0	155-25.9	4.6	1.6	16	71	6.9	0.09	0.8	1.3	0.20	B
11	16	25	19.9	19-24.3	155-17.2	0.5	0.3	8	129	1.0	0.10	0.4	0.2	0.09	B
11	17	12	7.0	19-23.6	155-17.6	0.8*	0.7	8	142	1.4	0.05	0.2		0.08	C
11	17	12	23.4	19-23.6	155-17.6?	1.6		8	142	1.4	0.10	0.6	1.4	0.09	B
11	17	12	38.9	19-23.6	155-17.6	0.8*		8	145	1.4	0.05	0.2		0.06	C
11	17	23	39.5	19-23.8	155-17.4?	0.7	0.8	8	134	1.3	0.48	1.6	4.2	0.17	B
11	17	29	45.9	19-23.8	155-16.9	4.2	3.0	25	36	0.7	0.05	0.5	0.4	0.18	B
11	17	54	26.4	19-23.4	155-17.5?	1.1	0.8	7	152	1.3	0.20	0.5	0.4	0.09	C
11	17	55	55.7	19-24.0	155-17.4?	2.4	0.6	8	125	1.4	0.09	0.6	0.5	0.07	B
11	18	0	44.9	19-23.5	155-17.3	2.2	0.9	7	143	0.9	0.06	0.4	0.2	0.05	B
11	18	9	5.4	19-28.7	155-16.3?	8.0*	2.2	8	319	6.5	0.34	3.9		0.34	D
11	18	29	58.6	19-24.1	155-17.5?	1.2	1.1	12	105	1.1	0.07	0.6	0.3	0.12	B
11	18	34	17.0	19-23.5	155-17.2	2.1	0.9	7	140	0.7	0.06	0.4	0.2	0.06	B
11	18	43	6.5	19-23.4	155-17.3	2.2	0.7	6	146	0.8	0.06	0.5	0.9	0.03	B
11	19	1	41.5	19-23.5	155-17.1	2.3	1.0	7	140	0.6	0.07	0.6	1.0	0.05	B
11	19	6	41.2	19-24.6	155-16.6?	0.8	0.2	7	212	0.9	0.86	2.1	0.7	0.20	C
11	19	7	2.2	19-23.3	155-17.4	2.2		7	153	1.1	0.15	1.0	2.7	0.13	C
11	19	11	13.3	19-23.7	155-17.6	0.8*		8	141	1.5	0.06	0.3		0.10	C
11	19	17	40.5	19-23.1	155-25.0?	7.6	1.9	20	60	6.2	0.06	0.6	1.3	0.14	B
11	19	20	8.8	19-23.4	155-17.0	3.3	1.7	14	63	0.3	0.06	0.3	0.7	0.08	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 11	19	21	27.5	19-23.2	155-17.4	2.2		8	158	1.1	0.12	0.5	0.4	0.08	B
11	19	26	26.9	19-23.7	155-16.9	3.4	2.2	20	44	0.5	0.05	0.4	0.5	0.14	B
11	19	26	41.9	19-23.4	155-17.3	1.8		7	146	0.8	0.07	0.6	0.3	0.06	B
11	19	32	26.7	19-23.8	155-17.0	2.5		8	143	0.8	0.04	0.4	0.8	0.05	B
11	19	43	18.3	19-23.8	155-17.1	2.2	0.6	8	138	0.9	0.03	0.3	0.1	0.04	B
11	19	44	44.3	19-23.0	155-17.6?	0.3		8	170	1.5	2.33	0.7	5.0	0.14	C
11	19	45	21.6	19-25.7	155-12.9	26.0	2.0	8	304	7.3	0.81	13.8	6.9	0.17	D
11	20	2	17.1	19-23.3	155-17.1	2.5		9	92	0.5	0.05	0.5	0.9	0.07	A
11	20	25	37.5	19-23.4	155-17.0	2.4		7	141	0.4	0.06	0.5	0.2	0.05	B
11	20	27	1.2	19-23.4	155-17.1	2.0	0.7	9	95	0.6	0.07	0.5	0.4	0.06	A
11	20	30	55.3	19-23.0	155-17.6	0.9	0.8	10	99	1.6	0.05	0.2	0.4	0.06	A
11	20	33	20.8	19-23.4	155-16.6	3.9	2.2	19	46	0.4	0.05	0.4	0.5	0.13	B
11	20	37	32.9	19-23.6	155-17.2	2.8		7	135	0.8	0.18	0.9	1.6	0.09	B
11	20	42	31.4	19-23.0	155-17.5	1.7		9	122	1.4	0.11	0.5	0.4	0.10	B
11	20	43	41.8	19-23.7	155-17.5	1.6	0.9	11	95	1.3	0.04	0.4	0.3	0.07	A
11	20	45	58.5	19-23.8	155-17.3	1.9		7	131	1.2	0.07	0.6	0.3	0.06	B
11	20	47	44.8	19-22.0	155-27.7?	8.0*	2.1	12	178	14.4	0.68	6.7		0.70	D
11	20	51	22.0	19-23.7	155-17.3	2.0	0.6	7	134	1.1	0.06	0.4	0.2	0.05	B
11	20	52	6.2	19-23.7	155-17.1	2.7	1.5	13	71	0.8	0.07	0.4	0.9	0.09	B
11	20	55	11.7	19-23.1	155-17.6?	0.8*		9	168	1.5	0.07	0.3		0.09	C
11	21	14	20.0	19-23.6	155-17.0	2.3		7	149	0.4	0.06	0.6	0.2	0.05	B
11	21	15	9.4	19-23.1	155-17.4	1.3	0.8	12	63	1.2	0.09	0.4	0.5	0.13	B
11	21	15	56.6	19-27.4	155-12.8?	2.3*	1.6	9	292	9.3	0.84	3.6		0.34	D
11	21	26	16.3	19-23.8	155-17.2	2.7		7	130	1.0	0.06	0.5	2.1	0.07	B
11	21	27	59.4	19-23.1	155-17.5	1.7	1.1	11	63	1.3	0.05	0.3	0.3	0.08	A
11	21	28	35.7	19-23.4	155-17.3	1.8		7	146	0.8	0.07	0.5	0.3	0.06	B
11	21	37	3.8	19-23.6	155-17.0	1.9	1.0	12	73	0.5	0.04	0.4	0.2	0.09	A
11	21	44	20.9	19-23.1	155-17.4	1.7	1.1	12	91	1.2	0.09	0.5	0.4	0.09	A
11	22	15	1.8	19-23.7	155-17.0?	2.1		7	138	0.6	0.06	0.5	0.2	0.06	B
11	22	16	19.8	19-23.4	155-17.3	2.2		8	147	1.0	0.09	0.5	0.3	0.07	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 11	22	17	59.5	19-23.2	155-17.6	1.7		8	160	1.4	0.10	0.6	0.4	0.08	B
11	22	26	10.9	19-23.3	155-17.5	1.9		7	157	1.3	0.13	0.9	0.7	0.09	B
11	22	26	36.3	19-23.6	155-17.2	2.2		7	139	0.8	0.04	0.3	0.8	0.04	B
11	22	26	59.6	19-23.2	155-17.1	2.4	0.8	8	155	0.7	0.07	0.5	1.1	0.06	B
11	22	28	21.0	19-23.4	155-17.9	0.6	0.6	9	84	2.0	0.23	0.4	0.4	0.10	A
11	22	29	47.7	19-23.3	155-17.2	2.5		8	149	0.7	0.06	0.4	0.9	0.07	B
11	22	31	9.5	19-23.2	155-17.6	1.7	0.7	8	163	1.5	0.14	0.7	0.6	0.10	B
11	22	31	59.8	19-23.3	155-17.5	1.7		8	154	1.3	0.13	0.7	0.6	0.10	B
11	22	34	59.4	19-23.5	155-17.1	1.9		7	141	0.6	0.06	0.5	0.2	0.05	B
11	22	35	13.8	19-23.2	155-17.6	1.7		8	160	1.4	0.13	0.7	0.6	0.10	B
11	22	37	46.5	19-23.5	155-17.2?	1.5		7	142	0.7	0.17	0.9	2.0	0.08	B
11	22	41	15.8	19-15.7	154-59.6	12.7	1.8	16	253	21.4	0.58	2.9	4.0	0.11	D
11	22	41	54.0	19-25.1	155-15.6?	17.5*		7	256	2.5	0.38	8.8		0.20	D
11	22	42	7.6	19-24.1	155-16.8	2.0	1.6	14	77	1.3	0.06	0.4	0.2	0.11	B
11	22	46	27.8	19-23.5	155-16.8	1.8	1.3	15	69	0.2	0.03	0.2	0.1	0.07	A
11	22	47	8.9	19-23.3	155-17.4	2.2		8	155	1.2	0.09	0.5	1.6	0.08	B
11	22	48	52.0	19-23.1	155-17.1	2.2	1.1	14	58	0.8	0.04	0.3	1.0	0.09	A
11	22	58	21.5	19-19.9	155- 7.6	1.0		12	168	5.6	2.16	1.2	8.2	0.18	C
11	22	59	28.6	19-23.2	155-17.4?	2.8		9	159	1.2	0.10	0.3	1.1	0.11	C
11	23	1	12.3	19-23.5	155-17.1	2.3		6	141	0.6	0.04	0.3	0.1	0.02	B
11	23	1	47.6	19-23.6	155-17.2	2.3	0.8	7	138	0.7	0.03	0.2	0.5	0.03	B
11	23	2	18.9	19-23.4	155-17.5	1.8		7	152	1.2	0.12	0.8	0.7	0.08	B
11	23	3	30.1	19-23.4	155-17.1	2.3		8	142	0.6	0.06	0.3	0.2	0.05	B
11	23	4	26.8	19-23.5	155-17.2	1.9		8	95	0.7	0.05	0.4	0.2	0.05	A
11	23	8	19.5	19-23.0	155-17.5	1.0	0.7	10	110	1.4	0.06	0.3	0.6	0.08	A
11	23	10	10.1	19-23.7	155-17.3?	0.9		8	135	1.0	0.16	0.8	2.8	0.15	B
11	23	17	59.9	19-23.4	155-17.2	1.8	1.0	11	84	0.7	0.06	0.4	0.3	0.07	A
11	23	24	38.2	19-23.6	155-17.1	2.2		7	136	0.6	0.06	0.5	0.2	0.06	B
11	23	28	14.7	19-23.4	155-17.0	2.3		8	95	0.4	0.03	0.3	0.5	0.04	A
11	23	29	51.4	19-23.2	155-17.5	1.4	0.7	12	60	1.2	0.06	0.4	0.4	0.10	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 11	23	36	6.8	19-23.4	155-17.3	1.9		8	95	0.9	0.04	0.3	0.2	0.04	A
11	23	38	17.7	19-23.2	155-17.6?	1.8		8	160	1.4	0.12	0.7	0.5	0.10	C
11	23	38	59.1	19-23.0	155-17.6?	0.6	0.7	9	111	1.5	0.07	0.4	0.7	0.09	B
11	23	42	5.1	19-23.1	155-17.5	1.3	0.8	11	57	1.3	0.07	0.4	0.5	0.09	A
11	23	42	35.7	19-23.4	155-17.1	2.3		8	92	0.5	0.04	0.4	0.7	0.04	A
11	23	42	53.9	19-23.2	155-17.5	1.2		9	92	1.2	0.06	0.3	0.4	0.07	A
11	23	44	21.4	19-23.4	155-17.3?	1.6	0.7	10	95	0.9	0.08	0.5	0.5	0.10	B
11	23	45	39.5	19-23.3	155-17.5	1.5		8	157	1.2	0.10	0.6	0.5	0.09	B
11	23	46	29.0	19-23.6	155-16.9	2.6		6	141	0.5	0.09	0.6	1.0	0.03	B
11	23	47	34.0	19-23.4	155-17.2	2.6		8	147	0.7	0.04	0.3	0.7	0.05	B
11	23	52	42.5	19-23.6	155-17.0	2.1		8	130	0.5	0.06	0.4	0.2	0.06	B
11	23	54	51.9	19-24.0	155-17.0	3.3	2.2	17	64	1.2	0.05	0.4	0.5	0.11	B
11	23	56	16.5	19-23.3	155-17.8	1.8		7	162	1.7	0.24	1.1	0.9	0.13	C
11	23	57	16.0	19-23.4	155-16.9	2.2	0.8	8	143	0.3	0.07	0.7	1.0	0.08	B
11	23	58	29.0	19-23.4	155-17.0	1.7	1.1	12	94	0.4	0.06	0.5	0.3	0.11	B
12	0	0	54.8	19-23.4	155-17.3	1.9		7	146	0.8	0.07	0.5	0.2	0.05	B
12	0	1	4.4	19-23.2	155-17.2	1.9	0.7	12	87	0.8	0.05	0.4	0.2	0.07	A
12	0	2	18.0	19-23.6	155-17.0	2.3		7	136	0.5	0.05	0.5	0.8	0.05	B
12	0	3	17.7	19-23.4	155-17.3	2.2	0.8	8	148	0.8	0.07	0.5	1.1	0.09	B
12	0	4	19.0	19-23.5	155-17.0	2.4		8	110	0.4	0.03	0.3	0.4	0.04	A
12	0	5	25.2	19-23.0	155-17.6	1.5		8	170	1.6	0.08	0.4	0.4	0.09	B
12	0	5	57.5	19-23.3	155-17.4?	2.3		8	153	1.0	0.12	0.6	0.4	0.09	C
12	0	6	18.8	19-23.4	155-17.4	1.3	0.7	10	74	1.1	0.04	0.3	0.3	0.06	A
12	0	7	26.1	19-23.5	155-17.1	2.1	1.3	14	96	0.6	0.03	0.2	0.6	0.06	A
12	0	8	50.3	19-23.4	155-16.8	2.5	1.6	16	52	0.1	0.04	0.3	0.6	0.09	A
12	0	10	2.6	19-23.3	155-17.3	1.8		8	152	0.9	0.07	0.6	0.4	0.08	B
12	0	10	26.4	19-23.3	155-17.3	2.4	0.8	8	151	0.8	0.06	0.5	1.2	0.08	B
12	0	10	43.1	19-23.6	155-17.1	2.1		7	137	0.6	0.07	0.6	0.2	0.07	B
12	0	11	36.8	19-23.4	155-17.2	1.9		7	144	0.8	0.08	0.5	0.3	0.06	B
12	0	11	50.4	19-23.4	155-17.2	2.5	0.8	9	84	0.7	0.05	0.4	0.9	0.07	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	0	12	56.7	19-23.3	155-17.5	1.9		7	155	1.2	0.19	1.1	0.9	0.11	C
12	0	13	31.8	19-23.4	155-17.6	1.5	0.7	13	67	1.3	0.06	0.3	0.3	0.11	B
12	0	14	30.2	19-18.5	155-40.2?	8.0*	3.2	18	297	29.7	7.63	51.5		4.65	D
12	0	15	20.4	19-23.1	155-17.6	1.5		8	165	1.6	0.07	0.4	0.4	0.08	B
12	0	15	58.1	19-23.4	155-17.1	2.5	0.8	7	94	0.6	0.05	0.3	0.7	0.04	B
12	0	17	0.9	19-23.1	155-17.4	1.5	1.1	13	58	1.2	0.04	0.2	0.2	0.07	A
12	0	18	40.7	19-23.5	155-17.1	2.3	0.7	8	97	0.6	0.04	0.3	0.6	0.04	A
12	0	19	16.5	19-23.5	155-17.1	2.3		5	141	0.6		0.0		0.02	D
12	0	19	45.4	19-24.8	155-13.7?	8.0*	1.6	12	268	5.8	0.34	3.1		0.65	D
12	0	21	4.3	19-23.2	155-17.6	1.6		8	161	1.4	0.08	0.4	0.4	0.10	B
12	0	21	33.0	19-23.2	155-17.3	1.4	1.0	11	98	1.0	0.05	0.3	0.3	0.08	A
12	0	23	17.8	19-23.3	155-17.3	1.9		8	153	1.0	0.06	0.4	0.3	0.06	B
12	0	24	25.3	19-23.2	155-17.6	1.8		8	163	1.4	0.11	0.6	0.4	0.09	B
12	0	24	35.4	19-23.5	155-17.1?	2.2		7	138	0.6	0.08	0.6	0.3	0.07	B
12	0	25	36.2	19-23.4	155-17.1	3.7	1.9	16	60	0.5	0.04	0.3	0.5	0.09	A
12	0	27	50.9	19-23.5	155-17.1	2.1		7	139	0.6	0.06	0.5	0.2	0.05	B
12	0	28	30.3	19-23.5	155-17.1?	2.0		7	139	0.6	0.07	0.6	0.4	0.07	B
12	0	30	9.3	19-23.3	155-17.4	2.2		8	151	1.1	0.13	0.6	0.4	0.11	C
12	0	30	32.9	19-23.3	155-17.4?	2.4		8	153	1.1	0.09	0.5	0.3	0.08	C
12	0	30	36.5	19-24.2	155-16.6	6.3		9	181	1.4	0.35	1.4	2.0	0.12	C
12	0	31	22.7	19-23.4	155-17.3?	3.2		7	150	0.9	1.49	1.8	8.6	0.10	C
12	0	31	48.3	19-23.6	155-16.9	2.1	0.7	8	140	0.4	0.06	0.5	0.2	0.07	B
12	0	31	53.8	19-23.2	155-16.9	2.8	1.8	12	65	0.4	0.06	0.4	1.0	0.09	A
12	0	34	38.0	19-25.5	155-14.6?	2.2*		7	281	4.3	0.64	3.0		0.21	D
12	0	36	5.9	19-23.5	155-17.0	2.4		7	138	0.5	0.06	0.5	0.8	0.05	B
12	0	38	19.8	19-23.4	155-17.1	1.9		8	92	0.6	0.03	0.3	0.2	0.04	A
12	0	39	27.8	19-23.6	155-16.9	2.7	2.0	16	66	0.3	0.03	0.2	0.5	0.07	A
12	0	40	34.0	19-23.2	155-17.4	1.7		9	104	1.2	0.08	0.5	0.3	0.08	A
12	0	41	2.9	19-23.5	155-17.1	2.5		7	139	0.5	0.06	0.5	0.8	0.05	B
12	0	42	13.7	19-23.2	155-17.6	1.8		8	161	1.4	0.13	0.7	0.5	0.09	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	0	43	32.8	19-23.4	155-17.1?	1.8		7	143	0.6	0.11	0.7	1.4	0.06	B
12	0	44	27.4	19-23.6	155-17.1	2.2		7	138	0.7	0.05	0.5	0.8	0.05	B
12	0	44	40.9	19-23.2	155-16.1?	2.2		7	179	1.3	0.24	1.5	3.9	0.13	C
12	0	46	2.8	19-23.2	155-17.3?	0.6	1.7	16	55	0.9	0.10	0.4	0.5	0.16	B
12	0	48	53.0	19-23.2	155-17.5	2.3		8	159	1.3	0.09	0.6	1.7	0.10	B
12	0	49	18.0	19-23.2	155-16.9?	1.5	1.9	13	64	3.1	0.22	0.7	0.8	0.14	B
12	0	51	35.0	19-23.4	155-17.4	1.8		7	151	1.0	0.11	0.7	0.6	0.07	B
12	0	52	10.4	19-23.6	155-17.3?	2.2		7	138	0.9	0.06	0.4	0.3	0.05	B
12	0	52	19.8	19-23.1	155-17.6	0.8*		7	167	1.6	0.09	0.4		0.10	C
12	0	54	13.9	19-23.4	155-16.9	2.3	1.0	8	139	0.2	0.07	0.7	1.0	0.08	B
12	0	56	44.9	19-23.2	155-17.5?	0.5	0.7	10	83	2.8	0.26	0.4	0.5	0.12	B
12	0	56	56.5	19-23.1	155-17.2?	1.6	1.7	14	58	3.4	0.13	0.5	0.6	0.16	B
12	0	59	21.7	19-23.5	155-17.1	2.1		7	139	0.6	0.06	0.5	0.2	0.05	B
12	1	1	49.4	19-23.4	155-17.2	1.9	0.7	8	93	0.8	0.05	0.4	0.2	0.04	A
12	1	2	4.8	19-23.2	155-17.3	1.2	1.0	12	91	2.8	0.04	0.2	0.2	0.06	A
12	1	3	5.7	19-23.4	155-17.5	1.6	0.7	11	72	1.2	0.05	0.3	0.3	0.08	A
12	1	3	14.9	19-23.4	155-17.2	3.3	1.5	13	99	2.4	0.08	0.6	1.2	0.15	B
12	1	5	2.1	19-23.5	155-16.9	3.0	2.0	15	66	2.4	0.05	0.3	0.8	0.09	B
12	1	7	13.9	19-23.5	155-17.0	1.8	0.7	11	102	0.5	0.05	0.4	0.2	0.08	A
12	1	8	5.9	19-23.1	155-17.1	0.8	1.0	8	100	3.1	0.04	0.2	0.3	0.05	A
12	1	9	45.5	19-23.0	155-17.6	1.1	0.8	8	112	1.5	0.06	0.3	0.6	0.07	A
12	1	10	9.7	19-23.4	155-16.9	2.4	2.1	16	49	2.5	0.03	0.3	0.6	0.08	B
12	1	12	19.0	19-22.8	155-17.5	1.6	2.0	12	82	4.2	0.30	0.7	1.2	0.21	B
12	1	14	0.2	19-23.1	155-17.4	1.3		10	84	3.0	0.06	0.2	0.3	0.06	A
12	1	14	44.0	19-23.3	155-17.3	3.5	2.3	19	52	2.9	0.07	0.6	0.7	0.21	B
12	1	16	9.7	19-23.4	155-17.3	1.1	0.7	9	97	0.9	0.04	0.3	0.3	0.06	A
12	1	18	34.9	19-23.1	155-17.3	1.7	2.1	16	58	2.7	0.12	0.5	0.5	0.13	B
12	1	21	14.0	19-23.2	155-17.5	1.2	1.8	11	79	3.2	0.11	0.4	0.5	0.09	B
12	1	22	24.8	19-23.6	155-16.4?	7.0	1.8	9	86	2.7	0.16	1.1	1.4	0.17	B
12	1	23	7.3	19-23.5	155-17.2	2.2*	1.2	10	81	3.6	0.08	0.6		0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	1	23	59.3	19-23.2	155-17.4	1.3	1.1	11	87	2.7	0.04	0.2	0.2	0.06	A
12	1	24	56.8	19-23.7	155-16.6	3.2	1.9	15	81	2.3	0.10	0.7	1.5	0.18	B
12	1	27	39.6	19-23.2	155-17.2	5.0	2.1	13	55	3.1	0.06	0.5	0.6	0.11	B
12	1	29	9.5	19-23.3	155-16.9	2.9	2.1	15	63	0.3	0.05	0.4	0.7	0.13	B
12	1	29	52.2	19-24.1	155-17.4	6.6	1.1	9	82	1.6	0.28	1.0	2.1	0.14	B
12	1	31	30.6	19-23.3	155-16.9	1.5		10	104	2.7	0.06	0.4	0.3	0.08	A
12	1	33	4.4	19-23.8	155-16.8	2.6	2.4	19	42	2.1	0.04	0.4	0.6	0.13	B
12	1	34	56.0	19-23.1	155-17.3	1.4	1.4	16	58	1.0	0.09	0.4	0.4	0.14	B
12	1	35	49.7	19-23.4	155-16.9	2.1*	1.5	13	64	2.6	0.05	0.4		0.12	B
12	1	37	41.1	19-23.3	155-17.1	1.1		6	125	2.6	0.04	0.3	0.4	0.03	B
12	1	38	51.1	19-23.2	155-17.4	1.7	1.2	12	61	1.0	0.05	0.3	0.3	0.08	A
12	1	40	5.9	19-23.6	155-16.8	1.9	1.5	15	69	2.4	0.09	0.5	0.4	0.13	B
12	1	42	46.3	19-23.4	155-16.9	3.5	1.5	14	65	2.5	0.08	0.4	1.2	0.12	B
12	1	43	54.1	19-23.8	155-17.3	7.5	1.2	7	121	1.7	1.05	1.8	6.7	0.10	C
12	1	44	31.8	19-23.3	155-17.4	1.7	0.7	9	88	1.0	0.04	0.3	0.3	0.07	A
12	1	45	12.4	19-23.3	155-17.3	1.7	1.0	7	115	2.5	0.04	0.3	0.2	0.03	B
12	1	46	27.7	19-23.5	155-17.0	1.9		8	115	0.5	0.06	0.4	0.3	0.07	A
12	1	46	50.0	19-23.1	155-17.5	0.9	0.7	8	109	1.4	0.08	0.4	0.8	0.08	A
12	1	49	0.1	19-23.3	155-17.0	2.3*	0.8	9	133	2.6	0.04	0.4		0.08	C
12	1	50	1.1	19-23.8	155-16.8	3.6	2.2	19	46	2.1	0.05	0.4	0.5	0.16	B
12	1	50	25.7	19-23.4	155-17.1	1.7		9	96	2.6	0.08	0.5	0.4	0.07	B
12	1	51	21.6	19-23.1	155-17.4?	1.7		5	162	2.9		0.0		0.05	D
12	1	52	1.5	19-23.4	155-17.3	1.6	1.2	13	88	2.5	0.07	0.3	0.3	0.08	A
12	1	53	0.8	19-23.4	155-17.1	1.6		7	130	2.4	0.09	0.8	0.7	0.07	B
12	1	55	35.6	19-23.2	155-17.3	0.9		7	100	2.8	0.03	0.2	0.2	0.03	B
12	1	56	58.0	19-23.2	155-17.5	0.9*		6	160	2.8	0.06	0.2		0.06	C
12	1	57	16.9	19-23.4	155-16.9?	1.4	2.2	19	51	2.5	0.07	0.5	1.1	0.19	B
12	1	58	32.1	19-23.5	155-17.0	1.8	0.7	8	102	2.4	0.03	0.2	0.1	0.03	A
12	1	59	8.1	19-23.4	155-17.3	1.7		6	146	2.4	0.06	0.5	0.4	0.03	B
12	2	0	3.0	19-23.3	155-17.0	3.2	1.1	12	60	2.6	0.09	0.4	1.5	0.10	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	2	1	17.6	19-23.4	155-16.8	1.8	1.8	17	51	2.4	0.10	0.5	0.4	0.14	B
12	2	2	44.1	19-23.4	155-17.3	1.7	1.0	12	76	0.8	0.07	0.5	0.4	0.10	A
12	2	5	4.9	19-23.4	155-17.1	1.8	0.7	8	143	2.5	0.05	0.3	0.2	0.04	B
12	2	5	37.8	19-23.6	155-17.1	2.0		7	137	0.6	0.06	0.5	0.2	0.06	B
12	2	6	6.8	19-23.6	155-16.8	1.3	1.2	13	111	2.4	0.10	0.6	0.5	0.16	B
12	2	7	7.3	19-23.6	155-16.7	3.9	1.9	15	73	2.4	0.05	0.3	0.6	0.08	B
12	2	7	52.9	19-23.1	155-17.4	1.3	0.7	8	104	3.0	0.03	0.2	0.2	0.03	A
12	2	8	27.8	19-23.7	155-16.7?	1.7	2.8	22	42	2.3	0.13	0.5	0.5	0.16	B
12	2	9	48.7	19-23.4	155-17.3	1.1	0.7	8	97	2.9	0.11	0.5	0.7	0.10	B
12	2	10	51.[illegible]	19-23.1	155-17.4	1.1	1.5	11	85	2.9	0.05	0.2	0.3	0.06	A
12	2	12	6.6	19-24.1	155-16.8	2.0	1.4	14	74	1.2	0.06	0.4	0.2	0.11	B
12	2	12	40.1	19-23.4	155-17.2	1.8		6	145	2.4	0.04	0.3	0.2	0.03	B
12	2	14	23.7	19-23.2	155-17.3	1.0*		6	155	2.7	0.08	0.4		0.07	C
12	2	16	8.7	19-23.3	155-17.3	1.6		6	154	2.6	0.06	0.4	0.3	0.03	B
12	2	16	15.9	19-23.7	155-16.5	3.4	2.9	19	51	2.3	0.06	0.5	0.6	0.15	B
12	2	13	52.6	19-23.6	155-17.1	0.5	1.1	11	133	2.1	0.30	0.3	0.6	0.08	B
12	2	22	5.2	19-23.5	155-17.3	2.5		7	142	0.8	0.06	0.5	0.9	0.05	B
12	2	24	13.6	19-23.8	155-16.7	1.9	1.7	16	78	0.7	0.06	0.4	0.3	0.12	B
12	2	25	41.4	19-23.4	155-17.5	2.1	0.7	9	79	1.3	0.08	0.4	0.3	0.08	A
12	2	25	53.5	19-36.3	155- 3.4?	3.0*		7	347	31.7	1.53	10.9		0.23	D
12	2	26	45.7	19-23.5	155-17.2	2.5		6	141	0.7	0.05	0.5	0.9	0.03	B
12	2	27	21.4	19-23.0	155-17.5	1.4	1.1	11	57	1.4	0.06	0.3	0.4	0.09	A
12	2	28	30.7	19-23.7	155-17.0	2.1		7	138	0.6	0.06	0.6	0.3	0.07	B
12	2	28	58.8	19-23.0	155-17.5	1.7	0.8	9	123	1.4	0.08	0.4	0.3	0.09	B
12	2	34	31.6	19-23.1	155-17.6	1.6		8	165	1.5	0.08	0.4	0.4	0.08	B
12	2	34	53.5	19-23.8	155-17.1	1.9	1.3	16	60	0.8	0.08	0.5	0.3	0.13	B
12	2	36	15.5	19-23.8	155-17.4	2.2	0.6	7	109	1.2	0.07	0.5	0.4	0.05	B
12	2	36	55.5	19-23.3	155-17.4	1.6	0.7	8	100	1.0	0.07	0.4	0.3	0.06	A
12	2	37	44.4	19-23.5	155-17.2	1.9	0.7	8	105	0.7	0.06	0.5	0.4	0.06	A
12	2	40	6.1	19-23.2	155-17.3	3.7	1.8	16	55	0.9	0.05	0.3	0.6	0.11	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	2	41	33.2	19-23.6	155-17.2?	2.0		7	138	0.7	0.07	0.5	0.3	0.07	B
12	2	46	2.5	19-23.3	155-17.2	2.4		7	96	0.7	0.03	0.3	0.6	0.03	B
12	2	48	11.3	19-23.4	155-17.5	1.6	1.0	11	75	1.2	0.06	0.3	0.4	0.10	A
12	2	59	36.6	19-23.9	155-17.0	3.1	1.2	15	63	1.0	0.07	0.4	0.9	0.11	B
12	3	0	28.1	19-23.9	155-17.1?	2.1		6	136	1.1	0.04	0.4	0.2	0.03	B
12	3	17	40.4	19-23.1	155-17.7?	1.3		8	169	1.7	0.55	1.9	3.9	0.18	C
12	3	21	24.4	19-23.6	155-17.4?	1.9		6	139	1.1	0.07	0.4	0.5	0.06	B
12	3	23	28.2	19-23.6	155-17.2	2.0		7	138	0.8	0.05	0.5	0.2	0.06	B
12	3	28	25.2	19-23.4	155-17.3	1.8		7	146	0.8	0.07	0.5	0.3	0.06	B
12	3	30	58.9	19-23.4	155-17.6	1.7		8	151	1.4	0.08	0.4	0.5	0.09	B
12	3	33	54.0	19-18.5	155-13.4	8.0*		14	203	7.0	0.14	1.0		0.13	C
12	3	45	6.7	19-23.1	155-17.6	1.7		8	166	1.6	0.12	0.6	0.5	0.08	B
12	3	52	53.8	19-24.0	155-17.3?	1.7		7	121	1.7	0.11	0.7	1.7	0.09	B
12	4	1	49.9	19-17.5	155-15.9?	20.2*		8	322	8.0	2.64	30.5		0.56	D
12	4	16	12.0	19-23.5	155-17.5	1.6	0.5	10	80	1.3	0.06	0.3	0.4	0.09	A
12	4	30	56.7	19-23.6	155-17.1	2.1		7	133	0.7	0.07	0.6	0.3	0.07	B
12	4	34	29.5	19-23.7	155-17.6	1.5		8	141	1.5	0.07	0.3	0.5	0.09	B
12	4	37	12.1	19-21.0	155-23.5?	1.1*		8	329	8.4	1.12	4.9		0.35	D
12	4	49	53.4	19-23.8	155-17.3	2.0		8	131	1.2	0.05	0.3	0.2	0.06	B
12	4	58	23.7	19-23.7	155-17.6	1.6		8	139	1.5	0.05	0.3	0.4	0.07	B
12	5	19	5.7	19-22.8	155-14.3	5.7	1.6	13	121	2.6	0.07	0.5	0.6	0.10	B
12	5	21	51.6	19-23.9	155-16.6	2.0	0.6	10	169	1.0	0.09	0.6	0.3	0.10	C
12	5	23	2.9	19-23.1	155-17.4	1.8	1.1	14	59	1.2	0.06	0.3	0.2	0.07	A
12	5	36	8.6	19-23.7	155-16.8	2.7	1.5	15	70	0.6	0.06	0.4	1.0	0.12	B
12	5	39	36.5	19-23.4	155-17.6	1.7		8	154	1.4	0.09	0.6	0.4	0.09	B
12	5	53	20.6	19-24.0	155-17.1	2.7		8	137	1.3	0.04	0.2	0.4	0.03	B
12	5	53	22.3	19-22.0	155-16.1?	0.9	2.6	18	108	1.5	0.44	4.3	5.1	0.76	C
12	5	58	43.4	19-19.1	155-17.9?	9.9*		8	296	6.7	1.61	10.6		0.46	D
12	6	3	28.0	19-23.6	155-17.2	1.9		8	111	0.8	0.05	0.4	0.3	0.05	A
12	6	14	25.4	19-33.2	155-13.4	16.8*	2.2	9	299	16.2	1.95	13.6		0.15	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	6	18	8.9	19-23.5	155-17.9	1.2		8	151	1.9	0.13	0.6	1.2	0.15	C
12	6	34	16.9	19-23.0	155-17.5	1.3	0.8	9	109	1.4	0.06	0.3	0.4	0.07	A
12	6	41	26.7	19-23.4	155-17.4?	1.5		7	149	1.0	0.22	0.6	0.5	0.11	B
12	6	49	25.1	19-23.1	155-17.6	0.8*		8	168	1.6	0.07	0.3		0.09	C
12	7	1	9.4	19-23.6	155-17.1	2.0	0.7	9	120	0.7	0.05	0.4	0.2	0.07	A
12	7	1	30.5	19-23.7	155-17.1	2.0	0.6	8	135	0.7	0.03	0.3	0.2	0.04	B
12	7	16	57.8	19-23.6	155-17.4	1.5	1.1	13	87	1.1	0.08	0.4	0.4	0.14	B
12	7	32	26.9	19-25.7	155-15.0?	8.0*		9	281	3.7	0.24	2.5		0.31	D
12	8	17	22.4	19-23.9	155-26.3	8.0*		10	157	8.6	0.11	0.9		0.13	C
12	8	33	47.2	19-22.5	155-13.3	2.6		7	161	1.3	0.10	0.7	1.4	0.06	B
12	9	32	50.1	19-23.9	155-17.3	2.2	1.4	15	52	1.3	0.05	0.3	0.9	0.08	B
12	9	55	58.0	19-24.0	155-17.2?	2.1		7	126	1.3	0.05	0.4	0.2	0.05	B
12	10	9	59.3	19-24.1	155-17.3	2.2		8	120	1.2	0.05	0.4	0.3	0.06	A
12	10	28	18.1	19-23.5	155-17.4	1.5	0.6	10	87	1.0	0.02	0.1	0.1	0.03	A
12	10	52	30.2	19-19.8	155-12.0	5.1	1.9	20	173	5.1	0.18	1.1	0.9	0.24	C
12	11	14	22.5	19-23.4	155-17.2	2.4		6	145	0.7	0.10	0.7	1.3	0.04	B
12	11	52	58.2	19-20.5	155-11.1	8.9		12	155	3.7	0.08	0.6	1.0	0.08	B
12	12	2	6.9	19-18.5	155-18.5?	16.0*	2.0	8	305	8.3	2.10	20.5		0.49	D
12	13	7	8.9	19-23.6	155-17.2	2.1		7	136	0.9	0.07	0.5	0.2	0.06	B
12	13	13	20.0	19-23.0	155-17.5	1.5	0.8	10	64	1.4	0.06	0.3	0.4	0.09	A
12	13	34	3.1	19-23.0	155-17.6	1.6		8	173	1.7	0.09	0.4	0.4	0.09	B
12	13	42	6.6	19-23.1	155-17.4	1.0	0.7	8	104	1.2	0.06	0.4	0.6	0.07	A
12	14	0	44.0	19-24.0	155-17.4?	2.4		7	124	1.3	0.13	0.8	0.4	0.09	B
12	14	16	43.1	19-24.0	155-17.0	2.6		5	146	1.1		0.0		0.01	D
12	14	40	12.1	19-23.3	155-17.5	1.7	0.7	8	157	1.2	0.06	0.4	0.3	0.05	B
12	14	48	13.4	19-23.9	155-17.3	2.1		8	124	1.3	0.05	0.4	0.3	0.05	B
12	15	27	34.8	19-23.3	155-17.1	2.3	0.9	6	149	0.6	0.04	0.3	0.6	0.02	B
12	15	41	13.3	19-23.1	155-17.3	2.4	0.9	8	159	1.0	0.05	0.4	1.0	0.05	B
12	15	55	17.9	19-23.9	155-16.6	2.7	0.7	7	171	1.0	0.20	0.9	1.7	0.08	B
12	16	5	13.6	19-23.3	155-17.1	2.3		6	148	0.6	0.04	0.3	0.6	0.02	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 12	16	10	C.9	19-23.2	155-17.7	2.9		6	162	1.7	0.17	0.9	3.1	0.07	C
12	16	13	4.6	19-23.0	155-17.4	1.6	0.8	9	105	1.2	0.09	0.5	0.4	0.07	A
12	16	53	39.9	19-23.C	155-17.5	1.3	0.8	13	58	1.4	0.07	0.3	0.4	0.10	B
12	16	55	49.7	19-23.2	155-29.3	4.1		12	105	11.9	0.10	0.7	1.1	0.16	B
12	17	32	16.6	19-23.5	155-17.3	1.8	1.7	17	52	0.8	0.07	0.4	0.3	0.11	B
12	17	42	39.4	19-23.6	155-17.1	2.3	1.3	13	96	0.7	0.05	0.4	1.1	0.09	B
12	18	58	7.3	19-23.0	155-17.5	1.3	0.8	12	59	1.4	0.05	0.2	0.3	0.07	A
12	19	19	54.1	19-23.8	155-17.2?	2.1		8	128	1.1	0.05	0.4	0.2	0.05	B
12	19	31	19.3	19-23.7	155-17.5	1.5	0.6	9	94	1.4	0.05	0.3	0.3	0.08	A
12	20	21	17.6	19-23.7	155-17.5	1.7		8	93	1.4	0.04	0.2	0.2	0.05	A
12	20	24	15.3	19-23.7	155-17.4	1.5	0.9	10	98	1.3	0.05	0.3	0.3	0.08	A
12	20	37	7.7	19-23.7	155-17.4	1.9	1.3	7	136	1.1	0.04	0.3	0.2	0.04	B
12	21	6	1.9	19-23.8	155-16.2	2.5	0.9	7	189	1.2	0.22	1.2	2.2	0.09	C
12	21	10	43.1	19-23.8	155-17.5	1.4	1.0	8	133	1.5	0.06	0.3	0.4	0.07	B
12	21	22	7.8	19-23.9	155-17.3	2.C		8	120	1.3	0.03	0.3	0.2	0.03	A
12	22	7	4.9	19-23.7	155-17.3	1.7	0.9	10	113	1.0	0.04	0.4	0.3	0.06	A
12	22	26	34.9	19-23.2	155-17.2	1.8	0.7	9	87	0.8	0.05	0.3	0.2	0.05	A
12	22	33	6.7	19-23.2	155-17.3?	8.3	1.3	8	157	1.0	0.18	0.7	3.0	0.17	C
12	22	49	32.9	19-24.C	155-15.1	C.9	0.8	11	171	3.2	0.06	C.3	0.3	0.07	B
12	22	51	1.8	19-23.4	155-17.1	2.3		6	144	C.5	0.05	0.4	0.2	0.03	B
12	23	0	19.8	19-23.7	155-17.9?	0.0	2.0	15	65	1.9	0.35	0.6	0.7	0.28	B
12	23	12	51.1	19-23.1	155-17.4	1.7	0.8	13	57	1.2	0.07	0.3	0.3	0.08	B
12	23	36	10.6	19-18.3	155-14.8	32.2	1.9	19	169	5.7	0.18	1.1	1.7	0.12	C
12	23	38	2.7	19-24.7	155-16.6?	0.2		8	214	C.9	3.00	7.5	16.4	0.54	D
13	0	7	53.9	19-23.6	155-17.4	1.7	1.2	14	84	1.2	0.06	0.4	0.3	0.11	B
13	0	33	9.6	19-23.6	155-17.4?	0.8*		7	142	1.1	0.09	0.5		0.10	C
13	1	14	54.2	19-23.9	155-17.3	2.0		8	118	1.2	0.04	0.3	0.2	0.04	A
13	1	15	17.6	19-23.9	155-17.4	2.1		8	128	1.4	0.05	0.3	0.3	0.05	B
13	1	39	57.2	19-23.7	155-17.1	2.C		8	125	0.8	0.04	0.4	0.2	0.06	B
13	1	51	16.2	19-23.7	155-16.9	2.C	0.8	7	143	C.6	0.06	0.5	0.2	0.07	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 13	1	53	23.1	19-23.2	155-17.2?	2.0	0.8	6	153	C.8	0.12	0.8	0.4	0.07	C
13	2	24	46.2	19-23.1	155-17.6	1.6	0.5	9	166	1.5	0.06	C.3	0.3	0.07	B
13	2	48	37.1	19-23.8	155-17.3?	2.3	0.9	9	129	1.1	0.07	0.4	0.3	0.08	B
13	3	2	1.3	19-23.2	155-17.4	2.2	0.8	7	160	1.1	0.12	0.6	0.4	0.07	B
13	3	21	25.0	19-23.6	155-17.1	2.0	2.0	17	49	0.6	0.07	0.5	0.3	0.13	B
13	3	26	27.2	19-23.9	155-17.2?	1.4	0.6	8	131	1.1	0.16	0.5	0.4	0.18	B
13	6	9	28.1	19-23.5	155-17.3	1.7	1.6	17	50	1.0	0.07	C.4	0.3	C.11	B
13	6	31	48.1	19-23.1	155-17.6?	0.7	1.0	11	66	1.5	0.07	0.4	0.6	0.11	B
13	6	34	53.0	19-23.0	155-17.4	1.4	0.8	9	108	1.3	0.06	0.4	0.4	0.08	A
13	6	49	39.7	19-23.1	155-17.6	1.6	0.7	8	164	1.5	0.06	0.3	0.3	0.06	B
13	7	41	53.0	19-23.4	155-17.1?	2.3		8	146	0.6	0.07	0.4	0.2	0.06	B
13	7	46	34.7	19-23.0	155-17.5	1.4	0.8	11	59	1.5	0.06	0.3	0.4	0.09	A
13	8	3	5.4	19-23.9	155-17.2?	2.1		8	130	1.2	0.07	0.4	0.2	0.06	B
13	8	5	4.5	19-23.7	155-17.2?	2.0	0.8	7	131	0.9	0.06	0.4	1.2	0.06	B
13	9	8	13.6	19-23.4	155-17.6?	5.5*		8	151	1.4	0.27	1.9		0.20	C
13	9	34	55.4	19-24.0	155-17.2	2.0		7	126	1.3	0.04	0.3	0.2	0.04	B
13	10	22	25.5	19-23.8	155-17.0	2.0	2.0	19	47	C.8	0.08	0.4	0.3	0.14	B
13	10	57	3.9	19-23.6	155-16.9	1.8		7	142	0.5	0.11	1.1	0.6	0.12	B
13	11	3	24.6	19-24.2	155-17.2	2.0		7	125	1.1	0.13	0.6	2.3	0.06	B
13	11	8	41.2	19-23.8	155-17.4	2.0	0.8	8	135	1.3	0.06	0.5	0.3	0.06	B
13	11	9	42.3	19-23.1	155-17.2	1.8	1.1	13	57	0.9	0.06	C.4	0.3	0.09	A
13	11	11	58.0	19-24.0	155-16.9	2.1	1.5	13	81	1.2	0.05	0.4	0.2	0.08	A
13	11	17	51.3	19-23.9	155-17.2	2.1	2.1	18	55	1.1	0.08	0.5	0.3	0.14	B
13	11	28	7.6	19-24.0	155-17.2	2.1		7	127	1.3	0.01	0.1	0.1	0.02	B
13	13	1	50.8	19-22.9	155-17.6	1.7		7	179	1.8	0.15	0.7	0.5	0.06	B
13	14	5	51.2	19-46.6	156- 2.0	3.2*	2.3	12	315	55.5	C.43	3.2		0.21	D
13	15	16	43.8	19-37.8	155-23.4	41.3	2.4	14	238	14.8	0.47	2.0	3.7	0.09	C
13	15	59	15.6	19-22.9	155-14.3	2.0		6	163	2.7	0.07	0.4	0.3	0.03	B
13	16	27	25.9	19-26.4	155-12.1?	8.0*	1.7	10	285	9.0	1.24	7.2		0.64	D
13	16	49	32.5	19-24.1	155-17.1	2.1		9	134	1.3	0.03	0.3	0.2	0.04	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 13	18	35	23.1	19-17.1	155-21.9	8.0*		11	143	6.0	0.12	1.1		0.14	C
13	18	36	36.0	19-22.6	155-13.4	2.4	1.0	8	176	1.6	0.11	0.7	1.6	0.07	B
13	19	36	26.0	19-23.9	155-16.7?	4.0		7	161	0.9	0.17	1.5	6.3	0.13	C
13	19	51	7.2	19-25.6	155-14.6?	1.4*		7	284	4.4	1.81	44.2		0.24	D
13	20	20	29.8	19-23.5	155-17.4	1.4	0.9	9	97	1.1	0.06	0.3	0.4	0.08	A
13	20	22	9.6	19-23.8	155-17.0	2.1		7	138	0.9	0.03	0.4	0.1	0.04	B
13	20	42	14.5	19-22.4	155-18.2	1.4	1.2	10	84	3.1	0.09	0.3	0.4	0.08	A
13	21	12	39.3	19-23.9	155-17.4?	1.5		7	128	1.3	0.23	1.0	4.5	0.13	B
13	21	38	35.8	19-23.9	155-17.4	2.0		8	130	1.3	0.04	0.3	0.2	0.05	B
13	23	23	33.8	19-24.0	155-17.3	2.0		9	124	1.4	0.04	0.3	0.2	0.05	B
13	23	48	51.9	19-23.8	155-17.3	2.0		7	131	1.0	0.06	0.5	0.2	0.06	B
14	0	10	12.6	19-23.9	155-17.2	2.0	1.3	14	96	1.2	0.05	0.4	0.2	0.10	A
14	1	32	7.6	19-23.5	155-17.0	2.6	0.4	7	137	0.5	0.07	0.6	1.0	0.07	B
14	1	33	6.7	19-23.9	155-17.2?	1.7		7	127	1.1	0.12	0.7	1.6	0.08	B
14	1	50	14.6	19-23.8	155-17.2?	2.1		7	130	1.0	0.25	0.5	1.7	0.04	B
14	2	19	50.9	19-23.8	155-17.3?	2.0		7	131	1.1	0.03	0.3	0.1	0.03	B
14	2	29	43.8	19-23.5	155-17.6	1.6	0.7	8	149	1.3	0.07	0.4	0.5	0.09	B
14	6	22	26.3	19-23.8	155-17.2	2.1		8	130	1.0	0.06	0.5	0.2	0.07	B
14	7	31	37.2	19-23.8	155-17.1?	0.4		9	132	1.0	0.82	1.9	6.0	0.29	C
14	8	1	59.1	19-34.9	155-10.8?	16.2*	2.0	7	341	21.4	4.53	42.3		0.75	D
14	9	44	28.5	19-24.1	155-25.8	8.0*	1.7	15	85	8.4	0.06	0.6		0.10	B
14	15	20	42.4	19-23.1	155-17.4	1.8	1.1	13	96	1.1	0.06	0.4	0.3	0.09	A
14	15	59	28.1	19-23.9	155-25.0	2.4	1.5	17	76	7.4	0.10	0.7	1.5	0.20	B
14	19	12	36.7	19-20.6	155-13.8	5.2		9	222	3.4	0.28	1.8	1.2	0.17	C
14	19	51	15.1	19-21.5	155-26.3	3.0	1.7	17	73	5.8	0.10	0.8	1.5	0.21	B
14	21	34	12.6	19-17.2	155-22.4	3.0	2.0	19	135	5.7	0.08	0.6	1.0	0.17	B
14	23	32	53.5	19-22.9	155-25.2	3.7	2.2	20	68	6.1	0.10	0.7	1.0	0.20	B
14	23	39	25.5	19-24.5	155-18.0	12.6		11	84	1.8	0.09	0.4	0.8	0.05	A
15	0	13	36.1	19-19.6	155-23.3	7.0		8	245	1.1	0.35	2.0	2.3	0.07	C
15	0	43	22.9	19-23.3	155-17.4	1.7		8	87	1.0	0.04	0.3	0.2	0.04	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 15	1	31	11.5	19-21.4	155- 6.3?	0.0	2.2	20	182	11.1	3.77	1.0	7.1	0.16	C
15	1	49	15.0	19-23.7	155-17.5	1.7		8	139	1.3	0.05	0.3	0.2	0.04	B
15	2	39	22.9	19-24.0	155-28.7	7.1	2.3	21	94	11.8	0.09	0.5	0.6	0.12	B
15	2	44	21.2	19-22.7	155-28.9	4.3	1.9	19	113	10.9	0.13	0.9	1.0	0.22	B
15	3	33	57.5	19-23.4	155-28.4	3.6	1.8	16	132	10.8	0.12	0.8	1.2	0.19	B
15	3	35	5.4	19-23.5	155-28.6	4.1	1.8	16	132	11.1	0.13	0.9	1.2	0.21	C
15	4	8	43.7	19-23.6	155-17.2	2.1		7	135	0.8	0.06	0.5	0.2	0.05	B
15	4	30	55.5	19-17.6	155-15.7	28.6	2.2	21	169	5.1	0.14	0.9	1.3	0.12	C
15	5	18	1.4	19-19.6	155- 9.5	7.0		11	201	4.7	0.28	2.0	1.1	0.18	C
15	5	19	59.1	19-22.6	155-18.2	1.8		7	124	2.9	0.08	0.4	0.4	0.05	B
15	5	45	13.4	19-12.9	155- 1.3	15.0*		13	237	22.5	0.47	3.5		0.23	D
15	5	50	52.7	19-19.0	155- 8.4?	3.0		14	209	6.2	0.37	2.0	1.6	0.23	C
15	7	30	28.0	19-20.6	155-20.1	0.8		11	109	4.8	0.07	0.3	0.4	0.08	A
15	8	43	46.0	19-37.1	155- 6.9	2.5*	1.8	5	345	29.4	2.37	13.6		0.17	D
15	10	32	14.1	19-24.0	155-15.7	3.6	1.5	13	161	2.2	0.07	0.3	0.7	0.07	B
15	13	4	20.9	19-23.1	155-17.4	1.8		7	105	1.2	0.06	0.4	0.4	0.06	B
15	14	23	9.7	19-17.7	155-21.5	8.0*	0.9	9	131	5.0	0.15	1.3		0.17	C
15	14	36	28.3	19-18.4	155-13.5	8.0*		8	221	7.5	0.27	2.0		0.17	C
15	15	16	34.9	19-22.3	155-18.1	1.6		7	126	3.1	0.04	0.2	0.2	0.03	B
15	16	29	11.1	19-17.3	155-12.9	8.0*	1.6	12	207	9.4	0.20	1.4		0.18	C
15	16	33	8.8	19-21.1	155-19.7	2.1*	1.3	8	92	4.5	0.08	0.6		0.12	B
15	16	44	43.4	19-22.0	155-18.8	2.3*		7	155	3.6	0.04	0.3		0.04	C
15	17	12	25.3	19-25.4	155-23.5	8.0*	1.5	12	172	6.3	0.08	0.7		0.11	C
15	17	40	35.0	19-25.0	155-23.3	5.6	1.4	12	170	6.6	0.12	0.9	1.1	0.15	C
15	18	49	25.9	19-22.5	155-23.3?	5.8	1.5	10	120	4.3	0.17	1.3	3.1	0.16	B
15	19	27	46.0	19-19.9	155-11.2	8.0*	1.2	10	225	4.8	0.19	1.2		0.09	C
15	20	19	9.6	19-22.0	155-13.1	2.8		6	155	1.4	0.14	1.1	1.9	0.06	C
15	20	47	1.5	19-21.1	155-19.1	2.3*	1.3	10	85	3.5	0.05	0.4		0.09	B
15	20	55	2.1	19-22.2	155-18.2	0.9		7	155	3.3	0.06	0.3	0.3	0.05	B
15	21	19	42.4	19-21.2	155-24.5?	8.1	1.7	14	112	2.8	0.11	0.9	0.7	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 15	21	23	11.5	19-22.3	155-18.2	1.4		11	68	3.2	0.06	0.3	0.3	0.07	A
16	0	1	55.6	19-10.5	155-30.2	38.8		13	163	14.6	0.41	1.5	4.2	0.11	C
16	2	11	20.0	19-24.2	155-16.6	19.9		12	101	1.4	0.15	0.7	1.6	0.07	A
16	7	7	2.6	19-22.5	155-15.9	27.7	2.3	24	51	0.2	0.13	0.9	1.3	0.14	B
16	8	11	18.4	19-20.3	155- 7.9	0.6		11	163	4.7	0.10	0.7	1.4	0.07	B
16	9	20	18.6	19-41.3	156- 5.0	38.1*	2.9	17	290	25.2	0.23	1.6		0.08	D
16	11	32	52.2	19-21.1	155-26.3	2.4	1.7	14	74	5.5	0.11	0.8	1.7	0.20	B
16	11	44	26.6	19-21.1	155-19.4	2.0*	1.1	8	89	3.9	0.06	0.5		0.10	B
16	12	1	25.1	19- 5.3	155-26.0	26.8	2.1	12	215	8.4	0.43	2.5	4.1	0.15	C
16	13	58	19.3	19-23.6	155-26.6?	0.0	1.6	13	74	8.5	5.23	0.7	9.9	0.17	B
16	15	59	6.5	19-21.4	155-23.1	5.6		10	162	2.3	0.14	1.1	0.9	0.14	C
16	16	0	32.7	19-20.5	155-18.9	3.2	0.9	5	92	2.8		0.0		0.00	D
16	16	38	30.4	19-21.1	155-19.3	1.9*		8	88	3.7	0.04	0.3		0.07	B
16	16	45	24.9	19-21.1	155-19.2	2.0	0.8	8	86	3.6	0.19	0.6	0.8	0.19	A
16	16	50	56.2	19-37.8	155-58.7	10.7	3.0	11	273	13.6	0.41	2.3	1.7	0.09	C
16	17	58	35.1	19-16.2	154-59.9	33.0		15	230	8.7	0.47	2.4	3.6	0.14	C
16	20	30	21.3	19-20.9	155-12.6	7.9	1.6	12	147	3.0	0.11	1.2	0.6	0.17	B
16	20	31	53.1	19- 9.6	155-35.3	6.1	2.6	17	116	10.3	0.13	0.8	0.8	0.14	B
16	21	19	56.6	19-22.6	155-22.6?	1.0		9	160	4.6	0.14	1.0	2.0	0.15	C
16	21	31	29.6	19-25.1	155-29.4	6.1	1.8	13	129	13.7	0.11	0.8	0.7	0.14	B
16	21	42	27.6	19-25.8	155-26.0	5.0	2.1	14	104	8.8	0.06	0.4	0.5	0.10	A
16	21	43	44.0	19-11.3	155-32.4	5.1	2.2	14	99	8.7	0.17	1.1	1.2	0.23	B
16	22	45	46.0	19-19.0	155-15.5	5.7	1.5	13	191	3.8	0.15	1.0	0.7	0.16	C
16	23	12	25.0	19-20.6	155-19.9	0.4	1.0	8	108	4.5	1.00	0.4	2.1	0.07	B
17	0	8	55.7	19-22.3	155-14.2	22.0	1.5	12	131	3.0	0.18	1.1	1.7	0.10	B
17	11	34	36.0	19-26.6	155-27.6	7.2	2.3	15	85	7.8	0.07	0.5	0.5	0.09	B
17	12	41	20.6	19-20.6	155-19.9	1.6*	1.3	7	110	4.6	0.06	0.4		0.07	C
17	15	43	20.5	19-19.2	155-13.1	8.0*	1.6	15	170	6.1	0.08	0.6		0.11	C
17	15	56	12.9	19-20.1	155-15.8	7.7	1.5	19	136	2.8	0.05	0.5	0.3	0.12	B
17	16	27	23.8	19-20.1	155-19.7?	2.1*	1.3	8	116	4.0	0.05	0.4		0.08	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 17	17	39	33.9	19-23.8	155-24.8	5.5		12	105	7.2	0.10	0.8	1.3	0.17	B
17	19	34	44.4	19-20.5	155-19.4	2.1*	1.3	9	102	3.7	0.04	0.3		0.07	B
17	22	41	0.3	19-13.8	155-26.3	4.7	2.0	16	146	13.0	0.10	0.7	0.6	0.13	B
17	22	42	14.8	19-23.7	155-17.1	2.6	0.5	7	133	0.8	0.04	0.3	0.7	0.04	B
17	23	51	19.7	19-12.3	155-26.1	4.2	2.3	16	141	6.0	0.10	0.8	0.8	0.18	B
18	0	58	16.6	19-24.1	155-24.0	4.8	1.5	12	195	7.3	0.13	0.8	0.9	0.12	C
18	1	23	41.0	19-22.7	155-23.1	7.1		7	175	4.7	0.29	0.7	2.3	0.07	C
18	1	50	51.2	19-20.6	155-19.8	2.0*	1.2	10	106	4.2	0.05	0.3		0.07	B
18	4	1	0.3	19-16.2	155-24.0	2.6	1.8	18	129	7.4	0.10	0.7	1.1	0.19	B
18	4	8	46.3	19-19.9	155-17.4	7.9		8	148	0.3	0.12	0.3	0.8	0.03	B
18	4	10	28.7	19-16.2	155-24.0	2.6	1.8	19	129	7.4	0.09	0.7	1.0	0.17	B
18	4	13	30.4	19-16.8	155-23.8	3.0		9	160	6.3	0.15	1.3	2.2	0.16	C
18	4	14	28.7	19-16.4	155-23.9	2.6		11	153	7.1	0.10	0.8	1.3	0.10	C
18	4	32	33.9	19-17.4	155-22.4	8.0*		10	262	5.4	0.47	2.7		0.15	D
18	4	45	41.9	19-18.9	155-21.6	8.0*		5	257	5.4	2.25	13.6		0.28	D
18	5	34	45.3	19-20.3	155-19.1	1.7		6	100	3.0	0.13	0.4	0.5	0.03	B
18	6	53	39.9	19-22.4	155-18.2	2.1*		8	126	3.0	0.05	0.4		0.06	C
18	7	6	21.6	19-51.5	155-41.4	42.5		14	271	25.8	0.70	3.3	4.9	0.10	D
18	14	30	10.1	19-23.1	155-16.5	12.8	1.8	19	67	0.7	0.05	0.7	0.5	0.14	B
18	17	52	33.1	19-22.3	155-23.1	8.0		11	116	3.9	0.07	0.6	0.5	0.09	B
19	0	46	15.9	19-18.1	155-13.4	8.0*	1.7	13	188	7.5	0.12	0.9		0.14	C
19	1	3	22.0	19-17.6	155-13.0	8.0*		9	239	5.0	0.28	1.8		0.13	D
19	4	11	3.4	19-20.3	155-13.2	8.2	1.6	12	153	4.2	0.10	0.9	1.7	0.14	C
19	4	27	44.5	19-25.2	155-23.1	8.0*	1.5	7	176	6.1	0.04	0.3		0.03	C
19	4	45	45.1	19-25.6	155-22.8	8.0*	1.4	8	168	5.1	0.11	0.9		0.10	C
19	9	10	40.3	19-19.7	155-18.6?	3.4		7	108	2.3	0.37	1.3	2.2	0.12	B
19	11	15	54.6	19-18.7	155-13.6	8.0*		7	214	7.1	0.24	2.0		0.16	C
19	14	16	7.2	19-23.1	155-24.0	8.0*	1.6	12	68	5.5	0.08	0.7		0.12	B
19	16	4	35.6	19-20.6	155- 8.0	8.7		11	156	4.2	0.10	1.2	1.8	0.11	C
19	20	5	57.0	19-19.4	155-13.9	8.0*		13	146	6.2	0.09	0.8		0.14	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 19	21	57	26.4	19-16.5	155-21.4	2.2		10	160	5.5	0.22	1.6	2.4	0.26	C
19	22	31	33.0	19-23.6	155-23.1	3.5	1.4	13	112	6.0	0.09	0.7	1.0	0.13	B
19	22	38	27.8	19-18.9	155- 7.1?	0.0	3.4	22	161	7.5	7.68	1.6	14.4	0.39	D
19	22	43	42.7	19-19.8	155- 7.7	8.0*		7	172	5.7	0.12	1.2		0.12	C
19	22	48	17.7	19-20.3	155-12.1	5.0	1.8	21	141	4.1	0.11	0.8	0.7	0.23	C
19	23	30	2.7	19-23.0	155-17.4	2.7		7	107	1.2	0.04	0.3	1.1	0.03	B
19	23	58	21.0	19-24.6	155-24.0	7.1	2.1	23	60	7.7	0.09	0.7	0.6	0.18	B
20	0	48	15.2	19-19.5	155- 7.4	6.4	2.0	11	177	6.3	0.18	1.5	0.9	0.18	C
20	1	12	44.1	19-19.1	155- 8.7	4.0	2.3	21	161	5.9	0.15	0.9	1.0	0.25	C
20	2	12	33.6	19-49.8	155-41.6	3.4	2.5	8	225	25.2	0.12	0.7	0.5	0.03	B
20	3	13	39.3	19-20.4	155-12.2	6.1	1.9	19	141	4.0	0.11	0.9	0.7	0.22	C
20	4	33	28.9	19-20.8	155-12.5	9.9		10	180	3.1	0.11	0.7	1.0	0.07	B
20	6	53	28.2	19-20.6	155-19.6	2.3*		9	103	3.9	0.06	0.4		0.08	B
20	7	58	41.9	19-20.4	155-11.8	10.7	1.0	9	203	4.1	0.13	1.0	1.0	0.07	B
20	9	56	4.4	19-19.8	155-13.3	8.0*	1.2	11	160	5.2	0.13	1.1		0.19	C
20	13	36	12.0	19-23.7	155-16.5	14.0	2.6	23	52	0.8	0.04	0.5	0.6	0.10	B
20	14	7	44.7	19-19.7	155-16.7	8.7		6	177	1.4	0.02	0.2	0.2	0.01	B
20	14	10	14.6	19-23.3	155-16.8	14.4	1.4	11	80	2.3	0.10	0.9	1.3	0.10	A
20	15	35	7.6	19-22.6	155- 3.9	3.4		9	160	5.3	0.14	1.0	1.3	0.13	C
20	16	46	2.0	19-17.3	155-27.3?	1.6	1.9	14	99	8.8	0.10	1.0	2.2	0.20	B
20	17	24	53.3	19-18.8	155-13.9	8.0*	1.4	10	209	6.0	0.17	1.2		0.15	C
20	18	33	50.7	19-23.6	155-17.0	2.0		8	141	0.5	0.06	0.5	0.3	0.08	B
20	18	37	23.5	19-23.5	155-16.8	11.8	1.3	18	68	0.1	0.07	0.8	0.6	0.14	B
20	18	57	17.5	19-23.6	155-16.5	14.2	1.5	17	122	0.6	0.06	0.6	0.7	0.09	B
20	19	12	17.2	19- 9.4	155-27.8	30.9		14	180	0.2	0.30	1.6	3.1	0.14	C
20	20	24	11.4	19-23.7	155-16.8	2.6		8	149	0.5	0.05	0.4	0.7	0.05	B
20	22	39	43.7	19-19.7	155-13.7	6.0	1.8	20	168	4.7	0.16	1.1	0.8	0.24	D
21	2	58	17.4	19-24.4	155-14.7	1.0	0.3	8	262	4.1	0.26	0.7	0.4	0.05	C
21	6	12	25.9	19-23.5	155-16.4	13.2	1.3	14	85	0.7	0.06	0.8	0.6	0.10	B
21	6	35	38.7	19-15.4	155-15.4	19.8	1.5	13	233	7.3	0.59	3.3	4.4	0.19	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 21	6	46	11.1	19-21.3	155- 7.6	2.7		12	146	8.5	0.10	0.8	1.5	0.12	B
21	9	21	40.6	19-22.4	155-25.5	5.6	1.9	10	72	5.6	0.09	0.7	0.7	0.11	B
21	10	45	41.1	19-23.4	155-24.5?	0.6		12	74	6.3	2.20	0.8	8.3	0.19	B
21	13	17	53.8	19-17.9	155-48.0	5.0	2.5	15	247	19.9	0.46	1.9	1.5	0.11	C
21	18	24	23.0	19-20.1	155-19.4	1.9		11	112	3.5	0.13	0.4	0.5	0.08	A
21	21	10	37.0	19-19.4	155- 8.6	2.8		12	178	5.5	0.21	1.4	1.4	0.22	C
21	21	19	5.5	19-21.5	155-28.1	4.5		15	84	8.7	0.08	0.7	0.9	0.15	B
21	22	39	56.4	19-22.9	155-22.3?	4.1	1.3	10	164	4.8	1.88	0.9	3.6	0.14	C
21	23	29	25.9	19-19.7	155- 7.5	2.2	2.8	19	155	5.9	0.15	0.9	1.2	0.21	C
21	23	43	6.4	19-19.3	155-12.2?	8.0*		11	280	5.8	7.19	35.3		0.24	D
22	0	13	56.0	19-20.4	155-19.3	5.3	1.5	12	102	3.4	0.07	0.4	0.6	0.09	A
22	1	2	10.4	19-20.7	155-19.4	1.9*	1.3	11	97	3.7	0.04	0.2		0.06	B
22	1	26	24.2	19-23.1	155-22.5?	2.6	1.4	12	168	5.0	1.17	0.6	2.2	0.11	C
22	2	36	57.4	19-22.9	155-22.7	8.0*		8	163	5.1	0.08	0.7		0.09	C
22	3	53	27.3	19-23.3	155-22.8	3.3		9	168	5.5	0.11	0.8	1.4	0.12	C
22	5	12	52.6	19-23.1	155-22.4?	2.7		11	168	4.9	1.34	0.7	2.6	0.13	C
22	5	25	4.8	19-23.1	155-23.7?	3.0	2.3	18	65	5.4	0.07	0.5	0.8	0.17	B
22	6	21	31.7	19-23.5	155-22.2?	0.0	1.2	9	166	6.4	6.37	0.7	12.1	0.10	C
22	6	24	10.9	19-23.3	155-21.4?	2.8		13	83	3.0	0.39	0.9	1.4	0.21	B
22	7	12	17.3	19-23.9	155-23.7?	0.0	1.5	13	120	6.8	4.10	0.4	7.8	0.09	B
22	10	9	40.1	19-21.7	155- 6.9	3.6	1.9	17	124	5.1	0.13	1.0	1.0	0.18	C
22	10	18	8.7	19-15.9	155-32.0	3.4	2.6	20	177	9.2	0.21	1.5	1.3	0.27	D
22	14	14	28.1	19-23.4	155-22.9	8.0*	1.6	11	171	5.7	0.09	0.7		0.10	C
22	16	22	4.3	19-23.4	155-22.9	8.0*	1.9	12	119	6.0	0.08	0.7		0.13	B
22	21	2	48.1	19-24.8	155-24.8	6.4	1.7	18	102	8.8	0.10	0.7	0.7	0.18	B
22	21	37	31.1	19-23.3	155-22.6?	0.8	1.3	12	162	5.1	1.58	0.6	5.9	0.13	C
23	0	5	8.0	19-24.6	155-24.4	5.9	2.1	19	91	8.4	0.09	0.7	0.6	0.14	B
23	0	53	52.9	19-20.5	155-19.7	3.5		6	108	4.1	0.36	0.7	4.8	0.04	B
23	1	17	52.5	19-17.0	155- 6.2	44.8	2.6	23	194	7.9	0.19	1.0	1.5	0.10	B
23	4	59	46.9	19-20.4	155-19.4	1.9	1.3	9	105	3.6	0.15	0.5	0.6	0.08	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 23	5	16	42.5	19-20.4	155-19.7	1.8*		9	109	4.0	0.04	0.3		0.06	B
23	5	20	49.0	19-22.6	155-26.7?	0.0		15	105	7.4	5.38	0.7	10.3	0.18	B
23	6	11	16.7	19-18.7	155-13.8	6.7		14	152	6.3	0.15	1.2	0.9	0.22	C
23	7	35	11.2	19-23.3	155-28.9	4.1		12	192	11.3	0.19	1.4	1.7	0.18	C
23	9	6	0.3	19-23.9	155-17.1?	1.0	0.5	8	133	1.1	0.30	1.1	2.4	0.11	B
23	14	19	[illegible]	19-17.[illegible]	155-12.9	8.0*		8	241	8.9	0.20	1.3		0.08	D
23	14	53	29.8	19-20.[illegible]	155-20.4?	2.7		8	118	5.1	0.19	0.5	2.6	0.08	B
23	14	59	22.8	19-20.4	155-19.6	5.0	1.4	9	107	4.0	0.07	0.4	0.6	0.09	A
23	16	46	5.4	19-22.4	155-18.4	0.9	0.9	10	132	3.3	0.07	0.3	0.4	0.07	B
23	17	41	11.7	19-18.3	155-10.0	9.0*		10	253	7.1	0.30	1.8		0.10	D
23	21	55	2[illegible]	19-21.4	155-25.7	3.9	1.7	16	72	4.8	0.12	1.0	1.4	0.20	C
23	21	56	50.4	19-22.1	155-25.4	5.7	2.1	16	69	5.4	0.10	0.7	0.9	0.17	B
23	22	7	58.6	19-22.4	155-25.6?	0.4	1.6	16	75	5.7	1.94	1.8	7.1	0.28	B
23	22	10	7.1	19-21.6	155-25.1	7.0	3.3	21	67	4.1	0.10	0.8	0.7	0.20	B
24	2	41	56.0	19-21.4	155-19.8	8.0*		5	139	4.9	0.15	1.4		0.12	C
24	2	51	40.3	19-18.6	155-14.8	5.2	1.5	13	207	5.4	0.18	1.2	0.8	0.18	C
24	2	54	10.5	19-20.4	155-19.4	5.2		12	104	3.6	0.08	0.4	0.6	0.08	A
24	5	57	25.4	19-20.9	155-12.1	6.3	1.2	9	149	3.1	0.11	0.9	1.0	0.12	B
24	7	26	15.7	19-19.0	155-15.8	10.1	1.5	9	186	3.4	0.21	1.2	1.8	0.11	C
24	13	53	46.0	19-19.6	155-15.1	9.2		12	180	4.0	0.18	1.1	1.6	0.13	C
24	14	11	4.6	19-20.3	155-17.[illegible]	8.2	1.3	8	165	0.8	0.12	0.6	1.0	0.03	B
24	14	14	1.4	19-18.0	155-50.1	4.1	2.8	12	244	23.5	0.57	2.3	2.0	0.12	C
24	16	41	6.2	19-24.4	155-17.4	8.1	1.5	6	154	0.6	1.16	2.2	6.3	0.04	C
24	17	17	34.2	19-23.1	155-23.3	8.0*	1.4	7	180	5.3	0.07	0.5		0.05	C
24	19	19	41.5	19-57.4	155-31.0	23.4	2.5	20	282	19.6	0.54	3.1	3.4	0.10	D
24	19	35	42.6	19-24.6	155-25.3	8.0*	1.6	16	72	8.9	0.05	0.5		0.10	B
24	20	27	24.5	19-22.9	155-25.4	8.0*		10	261	6.3	0.31	1.7		0.08	D
24	20	31	59.7	19-19.1	155-16.1	9.1		9	180	2.9	0.25	1.6	2.4	0.13	C
24	22	7	51.2	19-20.3	155-12.8	8.0*	0.9	6	189	6.3	0.15	1.5		0.10	C
24	22	53	17.0	19-21.6	155-13.7	13.4	1.1	7	150	2.8	0.20	0.6	1.7	0.03	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 24	22	57	57.4	19-24.2	155-17.4	8.5	1.3	9	115	1.0	0.07	0.6	0.6	0.04	A
25	4	31	39.4	19-22.7	155-18.5	0.6*	0.5	7	153	2.7	0.13	0.5		0.14	C
25	4	56	34.6	19-23.3	155-17.1?	2.8	0.8	8	95	0.6	0.03	0.2	0.4	0.02	B
25	5	14	33.0	19-21.2	155-24.9	34.7	1.7	10	247	3.4	0.93	3.2	7.2	0.07	D
25	6	36	17.3	19-22.8	155-23.2	9.3	1.5	8	221	6.3	0.23	1.6	3.5	0.09	C
25	6	51	3.1	19-20.1	155-19.3	5.0	1.9	11	109	3.4	0.08	0.4	0.6	0.08	A
25	10	4	51.4	19-24.4	155-22.0	8.7		11	94	4.3	0.07	0.5	1.5	0.10	A
25	11	42	49.1	19-26.0	155-26.8	7.6	2.4	20	70	9.3	0.09	0.6	0.6	0.15	B
25	12	1	17.2	19-24.4	155-17.2	8.4	1.4	12	70	0.6	0.02	0.2	0.2	0.03	A
25	12	41	3.9	19-19.4	155-13.1	8.0*	1.5	12	186	5.8	0.12	0.9		0.12	C
25	14	35	53.6	19-19.8	155- 8.1	8.0*	2.1	14	171	5.2	0.16	0.9		0.10	C
25	15	15	22.9	19-24.5	155-17.3	9.7	1.2	12	80	0.5	0.03	0.2	0.3	0.03	A
25	17	22	11.6	19-20.9	155- 6.4	8.0*	1.9	12	150	6.3	0.10	1.0		0.13	C
25	17	54	40.4	19-22.7	155-22.2	2.2*		7	148	4.7	0.09	0.6		0.10	C
25	19	22	9.4	19-24.0	155-17.8	8.8		13	60	1.4	0.03	0.3	0.4	0.04	A
25	19	35	30.8	18-51.1	154-54.5	8.0*	2.3	14	298	55.1	1.14	7.0		0.13	D
25	19	46	11.3	19-19.9	155-19.6	5.6	2.2	18	65	3.8	0.15	0.4	0.4	0.11	B
25	20	54	28.9	19-24.3	155-17.3	9.4	1.3	11	78	0.9	0.05	0.3	0.4	0.04	A
25	21	52	23.6	19-23.6	155-17.6	1.7	0.7	8	143	1.4	0.06	0.3	0.4	0.08	B
25	22	17	18.7	19-24.3	155-17.4	8.3	1.2	12	77	0.8	0.03	0.2	0.3	0.04	A
25	23	18	23.6	19-22.6	155- 7.4	13.0	1.4	9	207	4.2	0.10	1.4	0.4	0.05	C
25	23	32	53.9	19-23.5	155- 2.9	5.5	2.1	11	187	6.4	0.21	1.4	1.1	0.16	C
26	0	20	36.7	19-24.1	155-17.3	8.3		11	119	1.2	0.05	0.5	0.5	0.04	A
26	0	28	34.4	19-10.5	155-27.0	36.7	2.3	19	152	2.5	0.27	1.3	2.7	0.13	C
26	1	16	11.5	19-20.5	155-19.6	2.0*	1.3	11	104	3.8	0.04	0.3		0.07	B
26	1	29	36.7	19-20.2	155-11.7	8.0	1.7	15	143	4.5	0.09	0.9	1.7	0.13	B
26	2	3	3.6	19-23.8	155-17.1	8.7	1.3	12	82	0.9	0.05	0.4	0.5	0.05	A
26	2	33	27.0	19-10.5	155-16.1	37.0	2.5	19	190	14.5	0.25	1.4	2.5	0.13	C
26	4	58	11.6	19-24.6	155-24.0?	8.0*	3.0	14	136	7.8	0.38	2.9		0.60	C
26	5	24	30.3	19-24.4	155-17.6	9.4	1.3	11	73	0.5	0.05	0.4	0.5	0.04	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 26	9	48	7.5	19-10.8	155-16.9	36.6	2.4	20	185	13.5	0.22	1.2	2.2	0.11	C
26	10	12	41.2	20-13.5	155-34.4	54.9	3.5	20	287	25.3	0.93	4.4	5.9	0.13	D
26	11	57	54.9	19-20.7	155-19.1	5.3		6	92	3.1	0.10	0.2	0.9	0.01	B
26	13	42	2.3	19-23.7	155-18.1	9.7	1.3	8	145	2.2	0.12	0.9	1.0	0.03	B
26	16	49	28.1	19-18.3	155-49.1?	4.7	3.4	21	179	22.0	0.16	1.1	1.0	0.15	C
26	19	28	36.2	19-23.8	155-24.2?	0.0	2.2	15	71	6.9	5.70	0.7	10.9	0.17	B
26	20	58	41.5	19-20.5	155-13.8?	15.4		9	210	4.3	0.59	2.2	10.6	0.24	D
26	21	24	29.2	19-24.0	155- 0.9	4.9		8	149	8.4	0.19	1.6	1.8	0.21	C
26	21	31	54.2	19-23.7	155-24.9	1.4	1.3	8	211	7.1	2.63	1.5	9.4	0.15	C
26	22	42	7.8	19-23.7	155-17.3?	2.0	0.6	7	134	1.1	0.03	0.2	0.1	0.02	B
26	23	0	49.4	19-23.5	155-17.6	1.7	0.7	11	73	1.4	0.08	0.5	0.5	0.13	B
27	1	27	53.9	19-22.0	155-18.2	1.5	1.0	9	78	3.6	0.08	0.3	0.4	0.08	A
27	1	42	28.1	19-24.1	155-23.4?	0.1	2.0	12	114	6.5	5.26	0.5	10.0	0.10	B
27	2	17	15.2	19-24.0	155-23.8?	0.0		11	122	7.1	4.64	0.5	8.8	0.09	C
27	2	20	30.4	19-24.0	155-23.8	8.0*	2.6	13	70	7.1	0.07	0.6		0.12	B
27	2	20	54.1	19-24.2	155-24.3	3.7	3.2	10	74	7.5	0.12	0.9	1.7	0.20	B
27	2	22	43.5	19-23.8	155-24.1	8.0*		7	199	6.8	0.06	0.4		0.04	C
27	2	23	58.0	19-23.9	155-23.5?	0.0	1.5	11	118	6.7	4.77	0.5	9.1	0.08	B
27	2	41	59.1	19-23.4	155-27.1	5.2	1.7	13	96	8.9	0.12	1.0	1.5	0.21	B
27	5	58	36.0	19-24.2	155-24.4	8.0*		9	205	7.6	0.13	0.9		0.09	C
27	8	6	36.7	19-23.2	155-17.5	0.8*	0.7	8	103	1.2	0.07	0.3		0.09	B
27	9	3	1.8	19-24.6	155-25.3	8.0*	1.7	15	72	8.9	0.04	0.3		0.08	B
27	10	19	25.4	19-24.1	155-25.8	6.1	1.9	20	68	8.3	0.09	0.7	0.7	0.19	B
27	11	2	19.6	19-20.1	155- 6.4	8.0*		10	166	6.1	0.09	1.2		0.11	C
27	11	25	47.1	19-24.7	155-24.6	6.6	1.9	17	129	8.7	0.14	1.0	1.0	0.19	C
27	13	6	40.9	19-20.4	155-19.4	2.1*		10	103	3.6	0.04	0.3		0.07	B
27	14	39	43.2	19-19.6	155-14.1	8.1		17	144	4.5	0.09	0.7	1.5	0.14	B
27	17	34	8.5	19-21.5	155- 1.0?	7.3	2.2	15	185	4.4	0.23	1.7	1.0	0.24	C
27	17	44	13.5	19-19.4	155-25.0	7.8	1.7	7	283	3.3	0.56	3.5	1.0	0.04	D
27	18	0	56.4	19-23.7	155-17.0	2.6	1.4	13	62	0.7	0.07	0.4	1.1	0.11	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 27	22	30	33.9	19-20.3	155-13.2	8.2	1.6	17	154	4.3	0.08	0.6	1.2	0.12	C
27	22	57	26.6	19-28.1	155-35.6	8.0*	2.3	9	318	21.8	1.65	8.2		0.08	D
27	23	55	51.0	19-23.2	155-17.2	2.4		7	152	0.8	0.06	0.5	0.9	0.05	B
28	0	5	57.6	19-23.4	155-17.7?	0.0	1.5	12	89	1.5	0.39	0.7	0.8	0.32	C
28	0	14	17.1	19-20.0	155-16.7	19.4		14	130	1.2	0.46	2.0	3.7	0.17	B
28	1	5	39.4	19-22.9	155- 2.6	6.8	2.1	15	129	5.5	0.13	1.1	0.8	0.18	B
28	4	44	7.4	19-13.7	155-28.2	23.6	2.3	16	200	7.7	0.50	2.5	4.2	0.15	C
28	8	12	57.8	19-19.6	155- 5.9	6.7	2.0	14	179	5.3	0.19	1.9	0.9	0.20	C
28	8	15	26.8	19-21.9	155- 6.8?	7.3		14	132	5.3	4.65	1.9	8.8	0.40	C
28	9	15	47.8	19-18.9	155-13.3?	7.8	2.4	21	152	6.5	0.10	0.7	0.4	0.14	C
28	10	23	20.1	19-19.2	155-13.5	8.6	2.2	17	172	5.7	0.08	0.7	0.3	0.11	C
28	10	37	32.9	19-23.5	155-17.3	1.4	1.3	11	90	1.0	0.03	0.2	0.2	0.06	A
28	15	26	42.3	19-20.2	155-19.9	2.0*		10	117	4.3	0.06	0.4		0.09	B
28	18	40	57.9	19-23.4	155-17.2	2.4		5	143	0.4	0.05	0.4	0.5	0.04	B
28	22	13	2.3	19-23.7	155-16.7	3.2	1.9	17	76	0.7	0.05	0.3	0.6	0.10	B
28	22	29	0.8	19-23.7	155-17.4	1.5	0.9	8	134	1.0	0.09	0.5	0.3	0.07	B
28	22	58	11.5	19-19.0	155-13.6	8.0*	1.7	12	194	5.9	0.15	1.0		0.14	C
29	2	37	0.3	19-23.9	155-17.0	2.2	0.7	7	139	0.9	0.03	0.3	0.6	0.03	B
29	3	3	13.4	19-23.0	155-17.3	1.9	0.3	8	165	1.0	0.13	0.7	0.4	0.09	B
29	3	25	1.1	19-22.7	155-17.5?	0.9	1.0	9	102	1.6	0.16	0.3	0.3	0.08	B
29	4	46	27.1	19-23.9	155-15.5	2.0*	0.9	8	229	2.8	0.15	0.7		0.26	D
29	4	49	23.6	19-23.4	155-17.1	1.9	0.8	8	94	0.3	0.06	0.4	0.3	0.05	A
29	5	7	21.8	19-23.1	155-17.3	1.5	1.0	11	91	2.7	0.04	0.2	0.2	0.06	A
29	6	7	40.9	19-22.3	155-18.1	2.6		6	127	2.9	0.04	0.1	0.9	0.01	B
29	6	33	6.5	19-23.6	155-17.4	1.7	0.9	12	85	1.0	0.05	0.4	0.3	0.09	A
29	6	49	25.2	19-12.5	154-32.3?	22.9		8	327	64.0		50.6	43.8	1.29	D
29	8	13	8.1	19- 7.9	155-31.6	30.0		15	155	7.2	0.31	1.6	3.2	0.15	C
29	14	19	58.2	19-23.9	155-23.1	7.5	1.7	15	107	6.0	0.05	0.4	0.3	0.08	A
29	14	41	25.0	19-23.9	155-17.2	2.1	0.7	8	129	1.0	0.03	0.3	0.2	0.03	B
29	14	49	36.2	19-22.3	155-12.0?	8.1		13	131	1.3	0.08	1.2	0.6	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUN 29	15	3	54.9	19-23.6	155-22.5	4.3	1.4	15	161	5.0	0.13	0.8	1.1	0.17	C
29	15	17	14.6	19-20.7	155- 5.7	3.1		12	152	5.1	0.12	1.3	1.0	0.15	C
29	16	50	54.4	19-24.5	155-16.8	9.0	1.4	11	175	0.8	0.20	1.3	1.5	0.09	C
29	17	33	17.9	19-23.9	155-17.2	2.2	0.7	8	129	1.1	0.04	0.4	0.2	0.05	B
29	18	8	23.0	19-19.6	155-12.9	8.7	1.8	17	165	5.2	0.08	0.7	1.1	0.12	C
29	20	21	53.2	19-24.2	155-25.8?	0.0		12	144	8.6	6.50	0.8	12.4	0.15	C
30	1	56	1.9	19-20.5	155-13.0	4.6		15	183	3.7	0.18	1.1	1.0	0.21	C
30	5	36	56.4	19-22.6	155- 5.7?	0.0	1.8	17	113	7.0	6.17	0.9	11.8	0.22	B
30	10	1	51.9	19-22.8	155-17.3?	2.4		6	110	1.3	0.09	0.5	0.3	0.05	B
30	14	12	46.2	19-34.2	155-43.3	5.2	2.4	8	245	16.7	0.40	1.9	1.2	0.06	C
30	14	40	27.7	19-23.6	155-28.9	4.5	1.8	18	83	11.6	0.10	0.7	0.8	0.20	B
30	15	27	7.0	19-20.0	155-12.6	5.4	1.5	18	143	4.5	0.13	0.9	0.9	0.24	C
30	16	22	12.0	19-20.7	155-10.8	5.1		8	154	3.2	0.07	0.6	0.5	0.07	B
30	16	30	15.9	19-20.6	155-14.5	26.0		11	135	2.6	0.21	1.0	2.1	0.08	B
30	17	49	44.5	19-34.5	155-20.9	8.0*		8	184	9.7	0.18	2.3		0.16	C
30	21	25	15.4	19-22.1	155-24.2	7.1		18	86	3.8	0.09	0.7	0.6	0.17	B
30	22	18	47.3	19-20.7	155-19.5	1.7		10	99	3.8	0.12	0.3	0.5	0.06	A
30	22	33	13.1	19-23.4	155-25.4	5.7	1.9	19	63	6.9	0.08	0.6	0.7	0.17	B

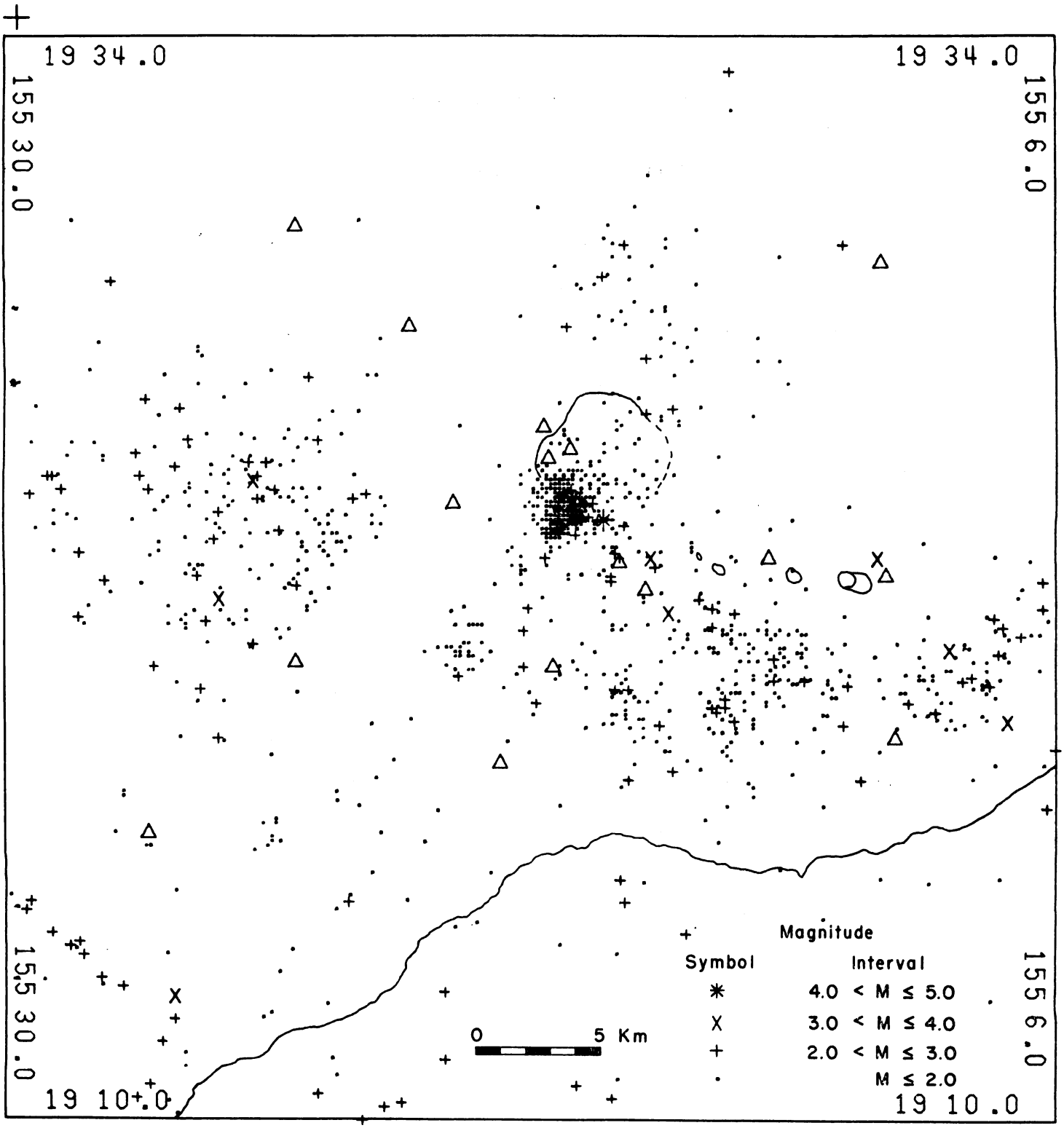

Figure 2.--Plot of epicenters in the Kilauea region. Triangles are seismometer locations. Kilauea Caldera and the major pit craters on the east rift are shown in outline. The Pacific Ocean lies in the lower right portion of the illustration.

Table 3.--Felt Earthquakes

Date	Time H	Time M	Time S	Magnitude	Felt Report
Apr. 4	22	57	44.7	2.9	Volcano
21	00	06	22.8	3.5	Kapapala
25	08	03	01.7	4.0	Eastern half of the island
25	23	56	13.1	4.5	Island-wide
28	08	09	53.3	2.5	Kapapala
May 5	05	59	17.4	2.8	Paauilo
6	21	05	05.1	3.3	Kamuela
8	05	10	59.1	3.1	Volcano
13	20	29	06.1	4.1	Northwestern parts of the island
16	19	29	56.8	2.9	Kapapala
28	01	27	39.3	2.9	Kealakekua
June 5	16	48	25.6	2.7	Volcano
11	17	29	45.9	3.0	Volcano
12	02	16	15.9	2.9	Volcano
26	10	12	41.2	3.5	Kamuela

Table 4. Seismometer stations in Hawaii operated by the U. S. Geological Survey.

STATION NAME	CODE	LAT-N	LONG-W	ELEV	TYPE	CAL	VCO	RADIO	REMARKS
AHUA	AHU	19 22.40	155 15.90	1070	3	6.0	2380		
CONE PEAK	CPK	19 23.70	155 19.70	1038	3	1.34			
DESERT	DES	19 20.20	155 23.30	815	3	1.34			
EAST KOAE	EKO	19 22.17	155 14.99	1009	3				
HALE POHAKU	HPU	19 46.85	155 27.50	3396	1	5.6	1360	RF6	
HILINA PALI	HLP	19 17.96	155 18.63	707	3	6.0	2040		
KAHUKU	KHU	19 14.90	155 37.10	1939	1	5.7	1700	RF3	
KEANAKOLU	KKU	19 53.39	155 20.58	1863	1	4.8	2380	RF7	
KIPUKA NENE	KPN	19 20.10	155 17.40	924	3	1.34			
MAUNA LOA	MLO	19 29.80	155 23.30	2010	1	6.5	1360		
MAUNA LOA X	MLX	19 27.60	155 20.70	1475	3	1.34			
MAKAOPUHI	MPR	19 22.07	155 9.85	881	1	5.7	2720	RF5	
MOKUAWEOWEO	MOK	19 29.28	155 35.98	4104	1	6.5	2040	RF3	Installed 5/26/71
MOUNTAIN VIEW	MTV	19 30.25	155 3.75	409	1	6.2	680	RF8	
NORTH PIT	NPT	19 24.90	155 17.00	1115	3	1.34			
OUTLET	OTL	19 23.38	155 16.94	1038	3	5.0			
PUU HONUAULA	PHO	19 28.90	154 53.40	215	1	6.5	2720	RF1	
PUU HULUHULU	PHH	19 22.45	155 12.66	988	3				
PUU PILI	PPL	19 9.50	155 27.87	35	1	4.4	1360	RF11	
SOUTH POINT	SPT	18 58.91	155 39.92	244	1	7.8	2040	RF7	
WAHAULA	WHA	19 19.90	155 2.92	29	1	6.0	680	RF9	
WEST PIT	WPT	19 24.70	155 17.50	1115	3	1.34			
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	0	1.0			Wood-Anderson
HALEAKALA NS	HAN	20 46.00	156 15.00	2090	0	1.0			Wood-Anderson
HILO Z	HIL	19 43.20	155 5.30	20	3	1.0			
HILO EW	HIE	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
HILO NS	HIN	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
KAMUELA	KAM	20 1.90	155 42.00	740	2	0.7			
KEALAKEKUA Z	KLK	19 31.20	155 55.30	505	2	1.0			
KEALAKEKUA EW	KLE	19 31.20	155 55.30	505	2	0.34			
KEALAKEKUA NS	KLN	19 31.20	155 55.30	505	2	0.34			
KIPAPA	KIP	21 25.40	158 .90	76	3	0.56			
UWEKAHUNA Z	UWE	19 25.40	155 17.60	1240	3	0.7			
UWEKAHUNA Z	USZ	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA EW	USE	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA PEZ		19 25.40	155 17.60	1240					15-90 Press Ewing
UWEKAHUNA PEE		19 25.40	155 17.60	1240					
UWEKAHUNA PEN		19 25.40	155 17.60	1240					

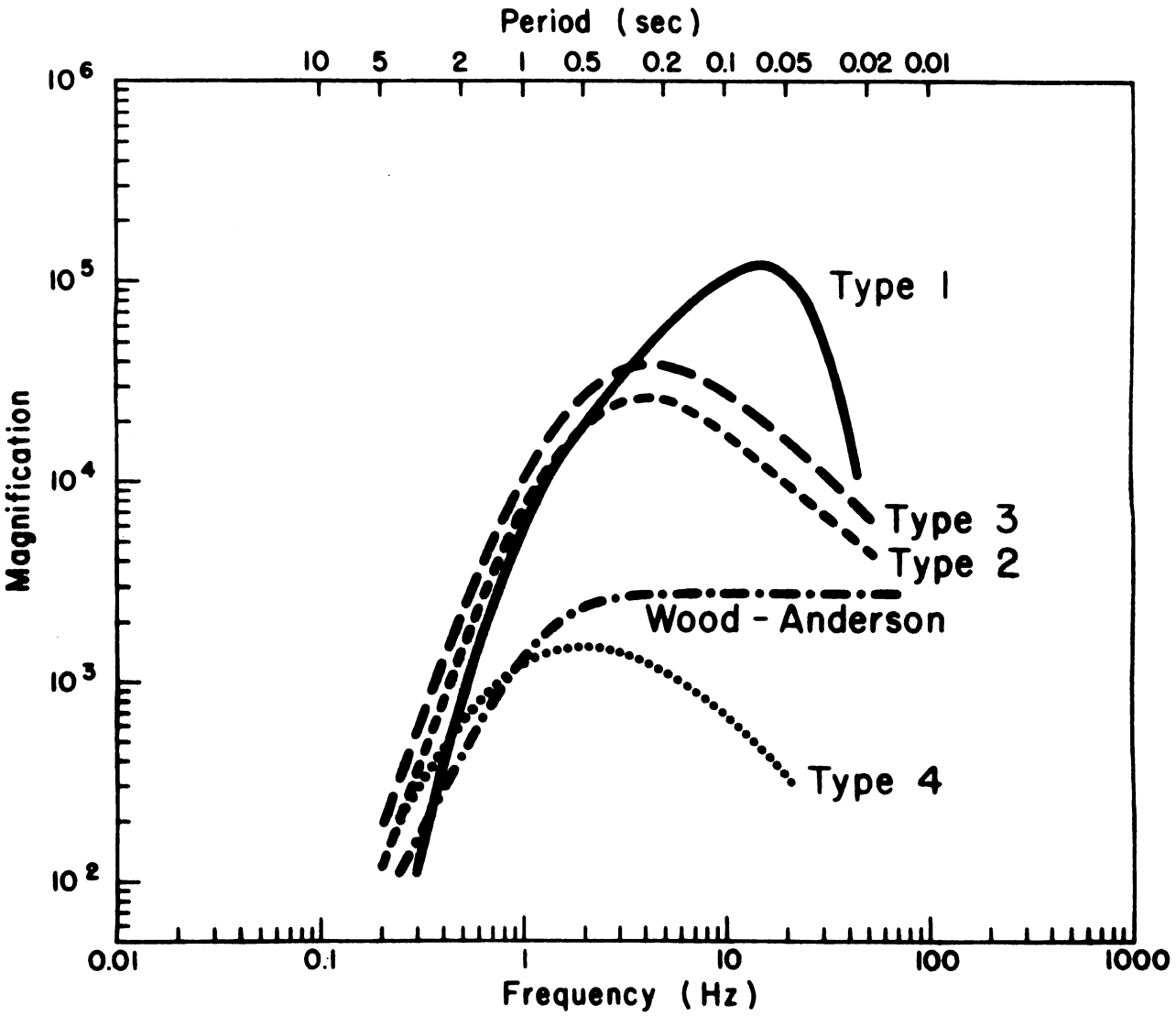

Figure 3.--System response curves for the Wood-Anderson torsion seismograph and for the four different types of seismometer-amplifier (or galvanometer) combinations in use by the Hawaiian Volcano Observatory.

Table 5.--Description of Seismic Instrumentation Types

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.

Type 2. Consists of:

a) EV-17 - Electrotech EV-17 1.0 sec. period moving magnet vertical or horizontal component seismometer.

b) 3.5 Hz galvanometer with appropriate shunt resistances for critical damping. System is poorly calibrated.

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.

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 the 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 17, Summary 61.

Table 6.--Tilt Coordinates at Uwekahuna, April, May, and June 1971

Date	N-S	E-W	Date	N-S	E-W
Apr. 4	546	370	May 23	548	369
11	546	371	30	546	367
18	547	372	June 6	549	365
25	547	370	13	550	365
May 2	547	370	20	554	375
9	548	371	27	558	374
16	547	371			

Table 7.--Tilt coordinates and changes at bases around Kilauea caldera. (See Fig. 4)

Tilt Base		Date (1971)	*Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading		Date of last reading (1971)
Uwekahuna	(U on Fig. 4)	15 June	624.8	386.6	9.06	N47.5Deg.W	27 Apr.
Tree Molds	(TM)	16 June	538.9	477.0	3.04	N14.6Deg.W	26 Apr.
Sand Spit	(SS)	15 June	1039.8	587.4	16.52	N59.7Deg.W	27 Apr.
Mehana	(M)	24 June	595.7	594.4	2.39	S66.7Deg.E	26 Apr.
Keamoku	(Kea)	16 June	579.7	433.3	7.66	N46.9Deg.W	26 Apr.
Ahua Kamokukolau	(Kam)	15 June	473.1	490.2	21.15	S19.8Deg.W	27 Apr.
Kipuka Nene	(KN)	17 June	286.9	496.7	3.44	S67.5Deg.W	28 Apr.
Hilina Pali	(HP)	17 June	457.4	493.4	0.84	N80.8Deg.W	3 Feb.
Kapapala Ranch	(Kap)	24 June	484.0	521.0	0.63	S19.2Deg.W	2 Feb.

* See Table 8, HVO Summary 61.

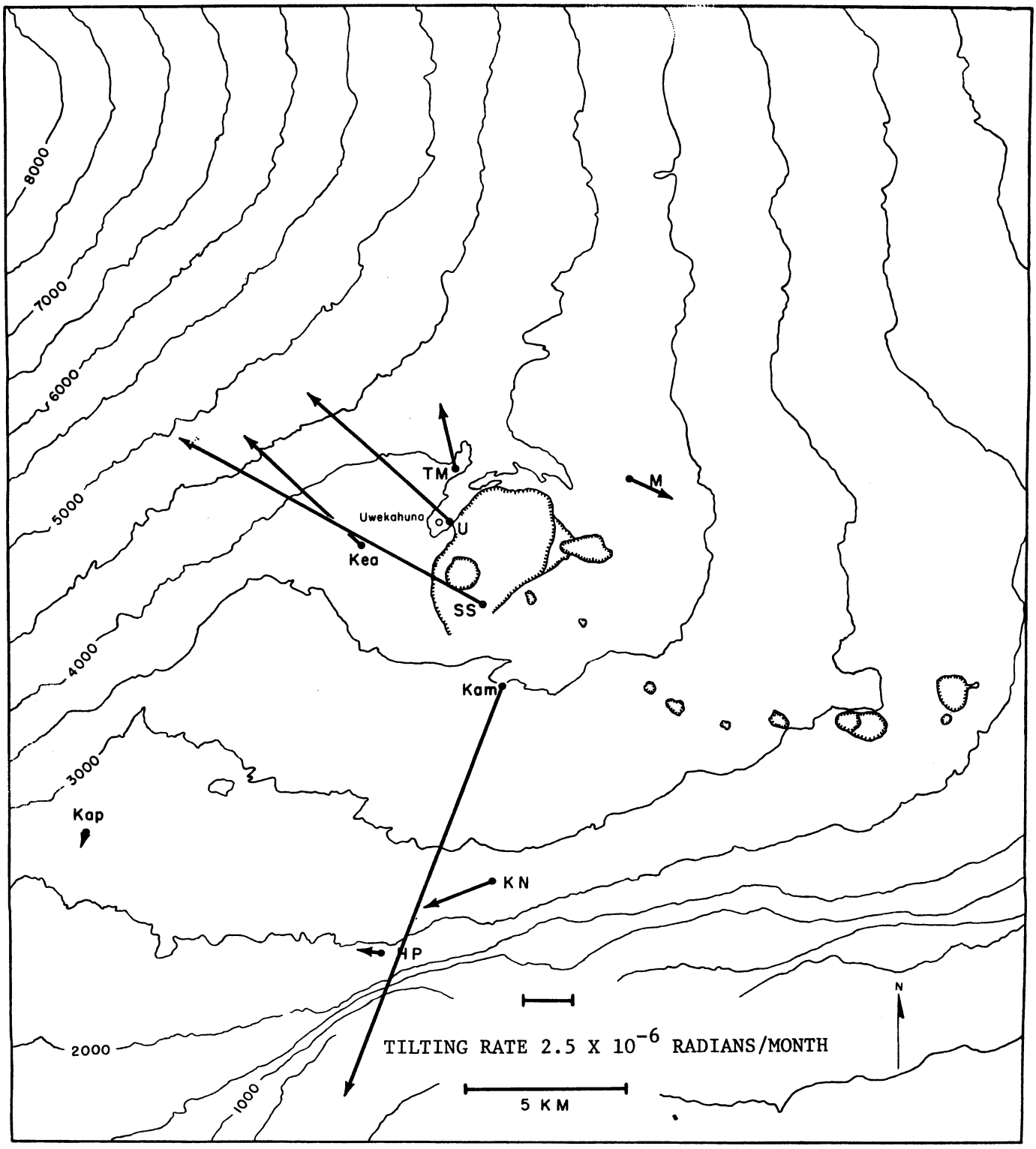

Figure 4.--Tilting of the ground around Kilauea Caldera. The vector depicting tilting at a given tilt base points in the direction of maximum relative subsidence, and its length is proportional to the rate of tilting during the measurement interval. Closed circles represent field tilt bases; open circles, short-base watertube tiltmeters. See Table 7 for explanation of abbreviations.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Hawaiian Volcano Observatory

Summary 63

July, August, and September 1971

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Declining activity at Mauna Ulu and tumescence centered in the south part of Kilauea Caldera marked the beginning of this quarter. Flow within lava tubes to Kilauea's south flank had ceased in May, and in early June the lava lake in Mauna Ulu's crater had begun to grow more sluggish and to drop in level. By July 1, the level of the lava had fallen to a point about 75 m below the crater rim. The level continued to drop at a remarkably constant rate and by the end of September stood at about 145 m below the rim. At this level, remaining lava was confined to two small, sluggish pools separated by a N-S septum. Discontinuous but persistent collapse of the crater walls added growing piles of blocky rubble to the crater floor. The lethargic volcanic behavior and the withdrawal of the lava column suggested that the eruption at Mauna Ulu was dying. As activity at Mauna Ulu waned, the summit area of Kilauea underwent considerable tumescence and several swarms of small earthquakes occurred, culminating in two brief eruptions. The first of these was a 10-hour eruption on August 14 both within and along the south rim of the summit caldera. On September 24, a second eruption broke out on the floor of the summit caldera, which, during the following 5 days, migrated into the southwest rift zone--the first activity along this rift since 1920.

The August 14 eruption was immediately preceded by strong harmonic tremor that began at 07:52. At 08:55 lava fountains burst from new ENE-trending fissures a few hundred meters SE of Halemaumau on the caldera floor. Fountaining quickly spread eastward along en echelon fissures that extended a total of about 1.8 km. The east end of this line of fissures lay on the crater rim, resulting in a two-tiered line of fountains as high as 75 m and cascades over the caldera wall. During the 10-hour eruption, about 9.5×10^6 m^3 of new lava covered an area of 2.1 km^2 on the south and east parts of the floor of the caldera.

After this eruption, Kilauea's summit began to re-inflate. This inflation continued throughout the following six weeks and was again accompanied by several seismic swarms. At about 18:50 on September 24, continuous harmonic tremor began, and at 19:20 fountaining commenced along fissures on the caldera floor just southwest of Halemaumau and soon reached 50 m in height. Some lava cascaded over the western wall of Halemaumau, but most flowed southward across the southwestern caldera floor. At about 19:50, fissures opened within Halemaumau, and these fountains reached 30 m in height. Within a few minutes cracks of the southwest rift zone began to open on the rim of the caldera; fountaining broke out there at 20:05 and began to move down the rift zone. When the line of fountains reached a length of about 150 m, it migrated downrift about 1 km, issuing thin flows that covered several thousand square meters. Meanwhile the flow on the caldera floor moved about 3 km to the south across the caldera rim and down a dry stream bed, flooding an instrument vault (Outlet Vault) and destroying seismometers, tiltmeters, and some equipment for magnetic studies. Eruptive activity declined about 23:00 and nearly stopped by midnight, although mild activity in Halemaumau persisted until the following evening.

During the early morning of September 25, the floor of Halemaumau began to subside, presumably because stored lava was draining into newly opened underground conduits. At about 09:45, new fissures opened along the southwest rift about 4 km SW of the caldera rim ($1\frac{1}{2}$ km SW of Cone Peak). Fountains issued from these fissures for about half an hour and then ceased when other fissures opened several hundred meters downrift. Thereafter a line of fountains as much as 1 km long migrated downrift, but activity gradually declined during the early afternoon after a nearly continuous line of vents had formed along a fissure about 1.6 km long. Meanwhile the floor of Halemaumau subsided a total of 45 m, reaching a depth of 90 to 100 m below the crater rim by late afternoon when the subsidence essentially ended. Because of declining activity at both Halemaumau and along the SW rift late on September 25, it seemed that the eruption might be ending. However, early on September 26, new fountains broke out several kilometers farther downrift on the southwest flank of Mauna Iki. Again the fountains migrated downrift, and by midday they had advanced about 2 km SW of Mauna Iki, marking the limit of the southwestward advance. Meanwhile fountains again broke out approximately 3 km uprift, and sporadic fountains continued for several days, migrating almost at random up and down the rift zone along an 8-km span. All activity finally ceased on September 29. During the 5-day long eruption, about 8×10^6 m^3 of the erupted lava remained on the surface of the ground, and an undetermined but large amount drained into cracks and lava tubes along the rift zone. About 4.0 km^2 of land was covered by the new flows. As the eruption ended, inflation of Kilauea's summit region began anew. It is notable that the sluggish lava pond in Mauna Ulu remained apparently unaffected during the August and September eruptions and simply continued to drop steadily to ever lower levels.

SEISMIC SUMMARY

Events recorded by the U. S. Geological Survey seismograph network in Hawaii fall into 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 1. 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 2. The location of each seismograph station is listed in Table 4, along with a description of the equipment at each station.

Table 1.--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 a source about 30 km beneath the summit region; Kilauea Summit Long-period, earthquakes characterized by low-frequency waves that originate roughly 5 km beneath the summit region; Kilauea Summit Shallow, earthquakes a few km deep in 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 and the adjacent fault systems of Kilauea's south flank; Koae, earthquakes along the northeast-trending Koae fault system south of the caldera; Lower East Rift, earthquakes from the lower east rift zone of Kilauea.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
July 1				2	10	307	7	83	39	7	WWVH radio change in format.
2				5	8	484	19	165	41	3	
3		2m		4	7	469	53	92	15	22	
4		7m		2	4	304	29	174	34	2	Strong wind.
5		11m			6	311	23	130	21	5	
6					4	238	11	79	36	3	
7		10m		2	5	302	14	60	23	10	KOH installed.
8	4m			2	5	347	15	52	38	12	
9				2	7	356	2?	82	42	10	
10				2	1	367	12	52	44	3	
11				1	3	373	20	56	32	1	
12					3	422?	7	33	25	1	
13		4m		2	12	1192	17	89	31	2?	
14					3	933	20	200	20	(?)	EKO signal switched to PHH on smoke recorder.
15					3	647	18	191	25	2?	
16		7m		3	26	624	31	217	35	(?)	
17				1	62	714	13	178	25	5	
18		10m?		2	92	492	12	40	62	4	
19		14m?			160?	537	28	195	69	1?	
20		10m?		1	124	474	38	162	54	(?)	
21		30m?		3	51	310	8	53	158	(?)	
22		20m		3	7	221	9	108	187	(?)	
23		20m		2	27	242	12	87	243	(?)	
24		20m		2	(?)	337	13	100	108	(?)	
25					37	580	19	169	187	(?)	
26		10m		1	72	385	10	21?	117	(?)	
27		10m		2	123	462	12	67	193	5	
28		15m		3	70	739	28	44	137		
29	25m	15m?			96	3852	11	218?	263	1	
30					33	828	35	125	96		
31	10m			8	46	491	16	88	74		Strong wind.

Low level tremor on the upper east rift.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Intermediate	Shallow	30 KM	Long Period	Shallow					
August 1			Strong tremor August 14-15 summit eruption; weak to sporadic tremor on the upper east rift remainder of the month.	3	42	(?)	6	31?	65		NPT - out.
2					49	394	8	94	57?	1	
3					19	373	16	37	40	4	
4				1	115	829	17	202	81	1?	
5		20m		7	174	903	32?	225	209		
6		15m			181	558	12?	86?	59?	17	
7		10m		2	106	807	5	61?	34?	2	
8		15m		1	92	2334	8	71	65	10	
9				4	70	4937	22	161	96	7	
10		15m		2	70	3683	22	67	71	7	
11		25m		2	96	2222	2	57	123	1	
12		5m		1	99	2034	6	85	204	12	
13	7m	12m		1	87	1583	8	117	199	11	
14				4	197?	230?	4?	47?	37?	5	Summit Eruption.
15				20	446	266?	7	91	61	5	
16				5	202	566	9	91	54	9	
17				4	30	449	9	57	64	3	
18				2	26	423	9	54	64	8	
19				--	50	345	3	54	51	5	
20				1	45	606	14	94	35	7	
21		5m		3?	(?)	321?	18?	130?	(?)	(?)	
22	5m			3	27	571	12	139	20	11	
23		6m		1	47	471	4	120	19	5	
24	4m	9m		3	79	759	17	153	30	2	
25		15m		1	124	541	15	79	48	1	
26		12m		1	54	535	21	81	39	12	
27		6m			243	732	11	161	29	10	
28		60m?			257	454	13	123	66	7	
29		8m		1	140	673	9	215	14	4	
30		9m		2	134	461?	11	62	29	3	
31		10m		1	54	518	8	121	18	8	

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes							
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow					
September 1					104	742	15	154	29	9	
2				3	108	996	20	230	20	2	
3				4	54	889	21	154	25	5	
4				2	25	800	17	75	22	1	
5	11m			2	38	769	20	72	20	6	
6	15m			1	115	1789	31	126	70	8	
7	15m			4	339	787	24	88	81	5	
8		10m			258	656	12	75	143		
9				3	92	642	16	88	89	9	
10		14m			172	1300	27	152	62	13	
11		5m			207	1134	30	234	69	17	
12		15m?		3	100	788	14	75	44	3	
13				2	53	597	10	120	66	6	
14				2	34	687	21	182	57	18	
15				2	44	672	208*	274	48	41	*Offshore (PPL) quakes included.
16					25	757	11	91	68	2	41-PPL quakes.
17	4m				34	1026	10?	226	162	13	79-PPL quakes.
18		10m		1	35	1031	9	171	147	5	28-PPL quakes.
19		15m			109	1279	35*	204	62	11	*Offshore (PPL) quakes included.
20				2	150	1507	40*	291	208	6	*Offshore (PPL) quakes included.
21				2	38	597	20	108	100	5	5-PPL quakes.
22				1	67	1101	18	172	124	8	
23	18m				61	1396	41	368	244	10	
24				1?	21?	1560?	804?	83?	28?	13	Summit/SW rift eruption.
25	49m				7?	1730?	1431?	32?	(?)	1	
26	(?)				(?)	1218?	97?	43?	1?	3	Several summit stations out.
27					1132?	1491?	159?	49?	13?	9	
28				1	265?	1500?	80?	73?	30?	4	Halemaumau rockslide increase.
29	45m			1	99?	2419?	122?	133?	40?	3	
30		10m		2	93?	2181?	210?	44?	10?	4	WLG-new station installed.

Strong to moderate tremor September 24-27 and weak tremor about 5 days thereafter--summit/SW rift eruption; sporadic weak tremor on upper east rift remainder of the month.

Table 2 is a chronological listing of successfully located earthquakes. For each event the following data are presented:

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

Epicenter in degrees and minutes of North latitude (LAT N) and West longitude (LONG W). Poor convergence of the epicenter solution is indicated by "?".

Depth - depth of focus in km. Assumed depth is indicated by "x".

Mag - magnitude, if determined.

NO - number of stations used in locating earthquakes.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in km to the nearest station.

ERT - standard error of the origin time in seconds.

ERH - standard error of the epicenter in km.

ERZ - standard error of the depth in km.

MD - mean deviation of the time residuals. $\left[= \sum_i R_i/NO \right]$ where R_i is the observed seismic wave arrival time less the computed time at the i^{th} station.

Q - solution quality of the hypocenter. This measure is intended to indicate the general reliability of each solution:

Q	EPICENTER	FOCAL DEPTH
A	excellent	good
B	good	fair
C	fair	poor
D	poor	poor

Q is based both on the nature of the station distribution with respect to the earthquake and the statistical measures of the solution. These two factors are each rated independently according to the following scheme:

Station Distribution

	NO	GAP	DMIN
A	≥8	≤120°	≤DEPTH or 5 km
B	≥6	≤150°	≤2 X DEPTH or 10 km
C	≥6	≤225°	≤50 km
	≥4	≤180°	
D	Others		

Statistical Measures

	ERH(km)	ERZ(km)	MD(sec)	RMAX(sec)*
A	≤1.0	≤2.0	≤0.10	≤0.25
B	≤2.5	≤5.0	≤0.20	≤0.50
C	≤5.0		≤0.30	≤0.75
D	Others			

Q is taken as the average of the ratings from the two schemes, that is, an A and a C yield a B, and two B's yield a B. When the two ratings are only one level apart the lower one is used, that is, an A and a B yield a B (Hamilton and others, 1969).

The criteria for Q are the same as used by the Office of Earthquake Research and Crustal Studies, U. S. Geological Survey.

*RMAX is the maximum residual

$DATA

SUMMARY OF SEISMIC EVENTS

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 1	16	9	9.6	19-23.9	155-17.0	2.1	0.6	8	141	1.0	0.04	0.4	0.2	0.06	B
1	17	31	54.3	19-23.6	155-17.3	2.3		7	140	0.8	0.08	0.5	1.0	0.06	B
1	18	48	37.3	19-32.9	155-16.0	42.2	1.9	15	115	12.8	0.30	0.9	3.0	0.10	B
1	20	36	49.4	19-20.4	155-11.0	9.5		10	159	3.9	0.08	0.7	1.1	0.08	B
1	21	5	28.7	19-23.0	155-24.9	3.6		14	83	5.9	0.10	0.8	1.3	0.19	B
1	21	5	40.0	19-23.1	155-23.5	7.6	1.5	18	57	5.3	0.07	0.6	0.6	0.16	B
1	21	7	8.6	19-23.0	155-23.9	7.6	1.6	15	69	5.2	0.07	0.6	0.5	0.15	B
1	21	9	9.0	19-18.8	155-15.9	9.5		8	192	3.5	0.27	1.6	2.5	0.11	C
1	21	11	13.1	19-23.2	155-24.5	6.1	1.5	16	60	6.0	0.09	0.7	0.8	0.17	B
1	23	11	37.9	19-20.5	155-11.2	8.0	1.3	10	186	3.8	0.09	0.9	1.1	0.09	B
2	1	5	15.1	19-20.1	155-18.0	5.4	1.4	11	110	1.1	0.15	0.6	1.3	0.10	A
2	2	39	38.9	19-22.6	155-22.5?	1.7		9	157	4.6	0.16	0.6	0.6	0.11	C
2	2	53	28.9	19-17.4	155-29.3	6.6	1.6	12	148	11.8	0.11	1.1	1.0	0.14	B
2	10	18	27.3	19-18.9	155-24.4	5.3		15	155	3.1	0.12	0.9	0.8	0.18	C
2	17	44	23.8	19-18.1	155-16.9	26.6		19	147	3.0	0.15	1.0	1.5	0.12	B
2	19	58	44.4	19-22.3	155-23.4	5.9	2.2	21	57	3.9	0.08	0.7	0.7	0.19	B
2	20	10	27.6	19-19.6	155- 8.1	3.5	2.0	20	156	5.6	0.15	1.0	1.0	0.21	C
2	22	49	46.1	19-24.0	155-16.9	3.9	2.2	18	68	1.1	0.04	0.3	0.4	0.10	A
2	23	1	16.6	19-10.6	155-37.6	7.6	2.5	14	130	8.0	0.19	1.1	1.1	0.16	B
2	23	38	15.3	19-20.1	155-19.6	2.3*	1.3	10	115	3.8	0.06	0.4		0.09	B
3	0	35	28.3	19-18.4	155-14.4	6.4		13	216	6.2	0.23	1.3	1.0	0.20	C
3	1	26	43.0	19-18.7	155- 7.1?	0.0		17	214	7.9	5.72	1.6	10.7	0.22	C
3	1	30	12.2	19-24.0	155-17.2	2.0	1.2	14	93	1.3	0.05	0.3	0.2	0.08	A
3	2	7	11.3	19-24.9	155-27.5	6.4		17	112	11.3	0.10	0.7	0.6	0.17	B
3	2	39	39.2	19-41.6	156- 3.8?	1.0	2.9	21	268	24.2	0.90	7.4	5.5	0.37	D
3	2	41	26.1	19-24.1	155-17.1	2.2	0.7	8	141	1.3	0.04	0.4	0.2	0.05	B
3	4	20	20.1	19-20.9	155-13.6	6.1		13	166	3.3	0.18	1.2	1.0	0.19	C
3	6	33	10.5	19-20.7	155- 8.0	9.4		10	156	4.1	0.09	0.7	1.3	0.07	B
3	7	40	55.2	19-17.9	155-13.3	11.6		11	233	8.1	0.24	1.4	1.9	0.10	C
3	7	46	32.7	19-18.9	155-13.8	5.3		12	208	6.0	0.27	1.6	1.0	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 3	8	14	41.6	19-21.2	155-19.7	16.5		12	87	4.5	0.19	1.1	2.1	0.12	B
3	9	16	15.5	19-24.2	155-24.2?	3.1	3.8	25	50	7.6	0.07	0.6	C.5	0.17	B
3	10	27	0.1	19-23.6	155-16.9	1.9	1.2	13	106	0.4	0.05	0.4	C.2	0.09	B
3	11	11	46.4	19-23.2	155-17.4?	1.2	1.0	11	102	0.8	0.17	0.4	C.3	0.13	B
3	12	6	59.6	19- 9.2	155-27.6	30.6		12	182	19.7	0.33	1.7	3.6	0.14	C
3	12	15	47.5	19-40.4	155-59.7?	C.1	3.0	17	291	47.0	0.62	7.4	2.5	0.26	D
3	12	36	14.9	19-24.2	155-23.1	6.5	1.5	17	166	6.0	0.12	0.8	C.6	0.14	C
3	16	24	27.4	19-22.2	155-23.9	5.7	1.7	14	77	3.9	0.09	0.7	1.0	0.17	B
3	17	44	9.3	19-24.0	154-56.6	40.1	2.6	17	204	10.7	0.36	1.7	2.8	0.10	C
3	18	28	25.5	19-18.7	155-13.3	30.9	2.3	22	149	6.8	0.12	0.7	1.2	0.10	B
3	20	37	59.3	19-19.1	155-15.3	6.2	1.9	21	145	4.1	0.10	0.8	C.6	0.19	C
3	22	29	23.2	19-23.9	155-17.1	2.1	0.7	8	134	1.0	0.03	0.3	C.2	0.04	B
3	22	35	58.3	19-21.4	155-24.1	8.0	1.7	15	96	2.7	0.09	0.7	0.6	0.15	B
3	23	37	50.3	19-23.9	155-17.2	2.1	0.7	8	132	1.0	0.07	0.6	C.4	0.08	B
4	0	49	45.0	19-23.9	155-16.8	2.8	2.0	17	73	1.0	0.04	0.3	0.6	0.09	B
4	3	54	21.3	19-23.3	155- 5.1?	0.0	2.5	21	138	7.4	3.33	0.7	6.3	0.15	C
4	4	29	6.9	18-53.9	155-18.3	17.8*		10	295	25.7	0.85	5.4		0.11	D
4	4	45	9.7	19-22.9	155-18.4?	0.1	3.1	23	51	2.7	1.28	1.5	2.5	0.44	C
4	4	49	22.6	19-23.8	155-17.3	2.0		8	123	0.9	0.05	0.4	0.2	0.06	B
4	4	56	13.7	19-18.9	155-11.3	2.5	2.0	20	179	6.6	0.20	1.1	1.5	0.27	C
4	5	42	14.8	19-24.3	155-24.0	6.8	1.6	17	118	7.6	0.08	0.6	C.6	0.14	B
4	6	34	28.8	19-24.0	155-23.4	5.2		12	172	6.5	0.13	1.0	1.0	0.16	C
4	6	56	5.6	19-24.2	155-23.2	5.6		13	169	6.2	0.13	1.0	1.2	0.16	C
4	7	58	35.4	19-36.9	156- 3.5	40.0	3.0	24	279	17.9	0.29	2.0	1.8	0.15	C
4	9	41	21.6	19-21.3	155-16.6	27.3		18	114	2.5	0.13	0.8	1.2	0.10	A
4	9	43	29.4	19-24.0	155-23.6	5.4		12	175	6.9	0.14	1.0	1.0	0.17	C
4	19	29	59.9	19-23.0	155-26.9	5.6	1.8	18	72	12.6	0.12	0.8	1.1	0.21	B
4	22	10	5.6	19-23.4	155-16.9	2.3	1.3	12	81	0.0	0.05	0.4	0.8	0.09	A
4	22	13	7.9	19-23.0	155-17.4	1.6	1.2	13	58	1.0	0.06	0.3	0.3	0.09	A
4	23	27	13.9	19-17.7	155-13.0	5.2	2.0	17	181	8.6	0.24	1.3	1.2	0.21	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL	5	0	16	44.5	19-18.8	155-13.3?	7.7	3.3	22	152	6.6	0.09	0.7	0.4	0.14	C
	5	0	23	25.2	19-19.3	155-13.7	8.0*	1.6	16	171	5.5	0.09	0.7		0.13	C
	5	0	36	38.0	19-18.4	155-13.6	5.7		13	176	7.4	0.19	1.2	1.0	0.17	C
	5	1	5	1.4	19-20.5	155-19.5	1.9*	1.4	12	103	3.7	0.04	0.3		0.07	B
	5	1	32	17.7	19-18.3	155-13.7	5.8		14	176	7.0	0.17	1.1	C.9	0.16	C
	5	1	41	45.9	19-16.9	155-12.5	4.5	1.9	17	211	10.3	0.35	1.7	1.7	0.25	C
	5	2	9	11.2	19-23.9	155-17.3	1.9	1.5	14	90	1.1	0.04	0.3	C.2	0.07	A
	5	3	7	30.5	19-19.4	155-13.4	7.3	1.7	17	183	5.6	0.13	1.0	C.6	0.17	C
	5	3	34	52.4	19-18.5	155-13.8	8.0*		12	174	7.0	0.19	1.5		0.22	C
	5	4	21	31.0	19-18.8	155-13.6	6.5		18	174	6.3	0.15	1.0	C.7	0.18	C
	5	4	28	47.8	19-17.5	155-13.3	6.1	2.2	18	181	8.7	0.21	1.3	1.0	0.22	C
	5	4	56	17.7	19-18.2	155-13.4	7.2	1.7	16	177	7.4	0.16	1.1	C.7	0.19	C
	5	5	45	0.1	19-18.4	155-13.6	8.0*		10	221	6.9	0.18	1.2		0.13	C
	5	8	50	24.8	19-16.0	155-12.9	4.1		13	236	11.0	0.36	1.7	1.2	0.14	C
	5	9	11	28.5	19-19.6	155-13.7	7.3	1.7	19	145	5.0	0.09	0.8	C.5	0.15	C
	5	9	54	20.0	19-23.7	155-17.3	1.6	1.3	12	87	C.9	0.05	0.3	C.2	0.09	A
	5	10	53	56.8	19-19.1	155-13.7	6.3		11	205	5.7	0.25	1.7	1.0	0.19	C
	5	11	58	39.8	18-53.8	155- 8.9	8.0*		14	268	44.1	0.47	3.1		0.14	D
	5	12	10	47.6	19-19.3	155-12.9	6.4		10	210	5.9	0.22	1.6	1.0	0.15	C
	5	13	31	10.4	19-19.1	155-13.5	7.3	2.2	21	149	5.8	0.10	0.8	0.5	0.16	C
	5	13	35	6.5	19-18.5	155-13.6	4.9		9	219	6.8	0.38	2.1	2.1	0.21	C
	5	13	37	47.0	19-19.7	155-13.4	8.0	1.6	16	178	5.1	0.12	1.0	C.5	0.13	C
	5	13	38	21.7	19-18.8	155-13.6	5.8	2.0	20	151	6.2	0.13	0.9	C.7	0.23	C
	5	14	22	28.8	19-18.8	155-13.3	8.0*		12	214	6.5	0.16	1.1		0.13	C
	5	14	54	0.8	19-17.7	155-13.5	8.0*		10	234	8.1	0.19	1.2		0.11	D
	5	17	3	59.9	19-19.0	155-13.9	9.1		10	194	5.7	0.15	1.4	1.6	0.13	C
	5	19	31	49.0	19-35.0	156- 9.9?	17.1*		11	331	26.4	4.48	26.9		0.13	D
	5	19	52	8.5	19-18.7	155-26.7?	C.0		14	153	6.5	5.66	1.0	1C.8	0.21	C
	5	19	52	42.3	19-22.4	155-17.6	5.9		8	111	2.1	0.77	1.6	5.9	0.17	B
	5	20	54	35.7	19-19.2	155-13.7	5.9		14	203	5.5	0.19	1.1	0.8	0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 5	22	47	28.0	19-23.6	155-22.7	7.0	1.9	20	59	5.3	0.06	0.5	C.5	0.15	B
5	23	45	44.0	19-18.1	155-13.1?	8.1	2.2	20	159	7.8	0.08	0.5	C.3	0.10	C
6	1	5	6.C	19-45.1	155- 3.6	17.3*		17	212	27.4	0.17	1.4		0.14	C
6	1	27	7.2	19-19.4	155- 8.0	4.2		17	177	5.8	0.19	1.3	1.4	0.25	C
6	4	50	45.5	20- 3.5	155-46.9	16.4		17	307	9.0	0.46	3.1	1.7	0.12	D
6	5	47	9.5	19-18.1	155- 6.9	2.3	1.9	12	255	9.0	0.42	1.9	1.3	0.14	C
6	7	12	57.1	19-19.4	155- 8.8	3.7	1.8	17	176	5.3	0.17	1.2	1.2	0.21	C
6	11	34	35.4	19-18.6	155-12.3	8.0*		11	229	7.2	0.43	2.9		0.24	D
6	11	38	45.0	19-24.6	155-24.0	6.6		12	194	7.7	0.14	0.9	0.8	0.12	C
6	11	55	40.5	19-23.8	155-13.0	15.6		12	171	2.5	0.21	1.7	2.3	0.16	C
6	21	53	7.4	19-18.6	155-13.3	8.3	1.7	14	154	6.8	0.08	0.8	1.7	0.11	C
7	0	15	57.3	19-24.1	155-16.5	3.1	2.3	18	109	1.4	0.05	0.4	C.5	0.12	B
7	0	53	20.2	19-23.8	155-17.2	1.7	0.7	9	124	1.1	0.05	0.5	0.3	0.07	B
7	1	16	39.3	19-24.6	155-16.9?	2.0		7	175	0.7	0.66	1.7	7.0	0.17	C
7	1	39	50.6	19-23.8	155-17.4	1.7	1.1	8	108	1.3	0.04	0.3	0.3	0.06	A
7	4	22	54.3	19-20.7	155-19.4	2.1*	1.3	10	97	3.7	0.04	0.3		0.07	B
7	7	26	3.9	19-20.6	155-19.4	2.0*		10	100	3.7	0.06	0.4		0.10	B
7	10	3	30.0	19-23.9	155-17.2?	2.0	0.6	7	130	1.1	0.03	0.3	C.2	0.03	B
7	13	18	32.4	19-24.2	155-17.4?	2.2	0.5	7	114	1.0	0.06	0.4	0.3	0.04	B
7	20	16	48.5	19-37.6	156- 5.2	38.4	4.1	27	254	21.1	0.23	1.3	2.6	0.14	C
7	20	34	49.2	19-23.5	155-17.4	1.6	0.6	11	86	1.0	0.05	0.3	C.3	0.08	A
7	21	33	12.8	19-21.2	155-25.8	5.2	2.2	24	74	4.7	0.09	0.7	C.7	0.23	B
7	21	53	51.1	19-20.3	155-13.7	8.2		16	165	4.0	0.08	0.6	1.1	0.12	C
8	3	14	34.6	19-22.0	155-11.8?	8.2	1.3	11	134	1.6	0.10	1.3	C.6	0.17	B
8	9	46	19.5	19-22.0	155-25.0	6.1	1.9	20	67	4.5	0.08	0.6	0.7	0.17	B
8	11	50	13.8	20- 0.4	155-29.1	8.0	2.6	15	214	19.7	0.23	2.0	2.6	0.22	C
8	12	50	33.1	19-23.8	155-17.2?	2.1		7	130	1.0	0.25	0.5	1.7	0.04	B
8	16	37	26.9	19-18.1	155-19.3?	8.0*	1.9	15	174	5.0	0.22	1.7		0.31	D
8	17	1	41.3	19-16.5	155-12.8	0.7	2.5	23	174	10.4	0.40	1.0	0.7	0.27	C
8	18	49	51.7	19-17.8	155-13.1?	5.9	2.8	21	155	8.6	0.11	0.9	1.7	0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 8	19	36	10.6	19-20.6	156-16.3?	17.1*	2.9	13	318	41.7	0.52	4.6		0.18	D
8	19	42	35.2	19-18.2	155-15.6	6.5	1.5	11	231	4.8	0.28	1.6	0.9	0.16	C
8	21	4	17.6	19-18.1	155-15.5	6.5	1.3	9	233	5.0	0.30	1.8	1.4	0.14	C
9	0	44	57.3	19- 8.7	155-22.5	30.3	1.9	13	237	9.4	0.44	2.4	2.8	0.11	C
9	0	45	41.0	19- 9.4	155-22.3	27.9	1.6	15	211	9.8	0.39	1.9	3.0	0.11	C
9	0	46	50.9	19- 9.2	155-20.5	24.7	1.6	10	235	13.0	0.44	2.4	3.8	0.09	C
9	3	55	37.0	19-20.9	155- 7.9	5.7		9	163	3.9	0.14	1.2	1.2	0.12	C
9	5	41	43.8	19-20.0	155-19.2	5.6		12	132	3.1	0.06	0.5	C.7	0.09	B
9	6	25	53.0	19-24.0	155-17.1	2.2		8	134	1.3	0.04	0.3	0.2	0.04	B
9	7	34	26.3	19-23.9	155-17.2	2.0		8	129	1.1	0.03	0.3	C.1	0.04	B
9	7	43	4.4	19-21.7	155-25.4?	8.0	1.7	18	68	4.6	0.12	0.7	C.8	0.15	B
9	9	55	0.1	19-18.0	155-13.3	8.0*		9	204	8.2	0.10	0.7		0.07	C
9	10	15	57.4	19-12.1	155-25.4	19.2	2.1	12	166	6.6	0.34	1.9	3.1	0.11	C
9	11	33	21.1	19-20.3	155-19.4	5.0	1.7	12	121	3.4	0.10	0.4	1.4	0.09	B
9	11	39	33.6	19-20.0	155- 9.0?	8.9		7	179	4.1	0.35	3.4	1.8	0.23	C
9	14	13	56.8	19-18.1	155-13.1	8.0*	2.0	15	160	8.2	0.07	0.6		0.11	C
9	14	25	58.1	19-17.7	155-12.6	8.0*	1.7	10	238	9.4	0.33	2.1		0.15	D
9	15	53	27.2	19-18.8	155-13.2	8.0*	1.7	13	152	6.9	0.08	0.7		0.10	C
9	17	35	45.8	19-23.9	155-17.3	1.9	0.6	8	128	1.2	0.08	0.7	C.3	0.08	B
9	17	46	22.1	19-27.5	155-15.3	8.0*	1.3	11	269	5.6	0.66	3.8		0.29	D
9	18	36	3.2	19-20.3	155-19.6	1.6	1.2	8	110	3.9	0.26	0.7	1.0	0.12	B
9	19	44	28.6	19-17.8	155-12.7	8.0*	1.7	11	195	8.7	0.22	1.6		0.16	C
9	20	20	52.2	19-27.9	155-23.5	7.3	2.1	20	73	3.4	0.09	0.7	0.6	0.19	B
9	22	16	14.3	19-18.8	155-18.6	7.0		10	134	1.5	0.08	0.7	C.4	0.08	B
9	23	44	14.2	19-18.6	155-13.1	7.9	1.7	18	155	7.3	0.12	0.7	C.8	0.11	C
10	0	6	16.5	19-19.8	155-19.7	4.9	1.4	13	125	3.8	0.15	1.0	1.1	0.19	B
10	1	22	4.1	19-21.5	155-59.2?	1.5	2.7	17	240	19.1	0.50	4.4	2.9	0.30	D
10	1	58	13.8	19-22.2	155- 6.3?	0.4	1.8	17	130	6.1	1.84	1.4	6.8	0.31	C
10	2	48	23.1	19-20.8	155- 5.9	8.0*		10	150	5.6	0.16	1.6		0.21	C
10	2	52	54.6	19-23.7	155-17.1	2.1		7	135	0.7	0.05	0.5	0.2	0.06	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 10	8	15	35.3	19-13.1	155- 4.9	38.5	2.4	20	212	13.1	0.22	1.2	1.8	0.10	C
10	9	53	40.2	19-23.3	155-17.3	1.8	0.7	8	98	0.8	0.06	0.4	0.3	0.05	A
10	16	50	40.1	18-49.5	155- 8.7	25.6		19	268	50.0	0.36	2.8	8.5	0.17	D
10	18	5	35.9	19-24.0	155-16.6	3.1	2.2	16	87	1.2	0.06	0.4	0.9	0.12	B
10	22	14	50.4	19-19.8	155- 8.0	8.0*		11	172	5.3	0.11	1.1		0.14	C
10	23	31	19.7	19-23.7	155-17.1	2.3		7	137	0.8	0.05	0.4	0.2	0.04	B
11	1	47	27.6	19-10.9	155-22.6	31.5	2.3	15	177	14.7	0.25	1.6	2.6	0.14	C
11	4	49	41.1	19-23.8	155-24.2	5.0	2.1	19	72	6.9	0.09	0.8	0.8	0.21	B
11	4	57	0.1	19-23.7	155-17.2	2.1		7	131	0.9	0.04	0.3	0.1	0.04	B
11	5	21	16.8	19-18.1	155-13.4	8.0*		12	208	7.6	0.13	0.9		0.10	C
11	5	49	18.0	19-19.8	155-12.7	8.0*	1.2	10	203	5.0	0.17	1.3		0.16	C
11	10	29	1.7	19-23.6	155-24.6	4.7		11	193	6.6	0.18	1.1	1.2	0.17	C
11	10	31	25.6	19-23.9	155-17.2?	1.7	0.5	7	131	1.1	0.12	0.7	1.5	0.07	B
11	11	55	47.5	19-21.4	155-26.0	5.2	2.0	18	73	5.2	0.09	0.8	1.0	0.21	B
11	12	35	14.6	19-23.8	155-17.2	2.2	0.6	7	131	1.1	0.07	0.5	1.0	0.05	B
11	16	54	28.7	19-23.3	155-26.0	3.0	1.6	15	126	7.5	0.14	0.9	1.6	0.19	B
11	18	45	22.4	19- 9.2	155-40.6	4.0	2.9	17	151	12.1	0.21	1.3	1.4	0.18	C
11	19	54	4.2	19-25.3	155-51.9	3.0	2.1	15	206	12.5	0.28	1.7	1.6	0.14	C
11	23	25	12.5	19-19.4	155-13.6	8.0*		17	170	5.3	0.07	0.5		0.11	C
11	23	28	26.9	19-23.6	155-23.2	6.2	2.9	24	51	6.1	0.10	0.8	0.7	0.22	B
12	2	10	19.3	19-23.9	155-17.1?	2.0	0.6	7	133	1.2	0.04	0.4	0.3	0.05	B
12	2	46	15.1	19-21.5	155-13.1	11.7	1.2	12	156	2.0	0.12	0.5	1.0	0.05	B
12	5	49	40.3	19-23.4	155-17.2	2.1	0.7	9	94	0.7	0.04	0.4	0.8	0.07	A
12	6	38	27.8	19-20.6	155-12.6	9.9	1.5	9	184	3.5	0.17	0.7	1.5	0.05	B
12	7	4	45.5	19-23.8	155-17.3	1.7	0.9	9	90	1.2	0.03	0.2	0.2	0.05	A
12	9	16	56.2	19-28.8	155-15.2?	8.0*	1.3	8	321	7.6	0.62	6.3		0.55	D
12	13	25	3.3	19-23.7	155-17.3	1.8	0.6	8	135	1.0	0.08	0.7	0.3	0.09	B
12	13	25	9.1	19-23.7	155-17.5	1.8	0.9	9	97	1.3	0.05	0.4	0.3	0.07	A
12	13	29	4.0	19-19.3	155-19.8?	4.7	1.5	7	302	8.2	1.62	36.0	68.5	0.41	D
12	14	29	16.2	19-24.7	155-13.2	11.8*	1.5	7	294	6.2	0.74	6.4		0.15	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 12	15	14	51.3	19-22.8	155-24.4	8.0*	1.6	8	211	5.2	0.15	1.0		0.09	C
12	21	11	54.8	19-23.9	155-17.1	2.5		7	136	1.0	0.06	0.5	1.1	0.05	B
12	21	42	44.6	19-22.9	155-17.3?	2.8		7	107	1.3	0.05	0.2	C.6	0.02	B
13	0	31	37.1	19-21.1	155-11.0	12.2	1.4	9	199	2.8	0.31	1.1	2.2	0.05	C
13	1	8	55.6	19-23.4	155-17.1	1.8	0.8	10	91	0.5	0.06	0.4	0.2	0.08	A
13	1	12	15.4	19-24.0	155-17.2	2.2	0.6	8	132	1.2	0.03	0.3	C.2	0.04	B
13	7	26	51.9	19-23.9	155-17.3	2.1		7	127	1.2	0.04	0.4	C.2	0.04	B
13	8	30	50.6	19-18.1	155-10.4	32.0		11	241	7.4	0.50	2.2	4.0	0.09	C
13	10	35	55.2	19-23.7	155-17.3	2.2	2.2	18	51	1.0	0.10	0.5	C.4	0.15	B
13	10	40	26.0	19-23.7	155-17.6	1.8	1.7	14	78	1.4	0.04	0.2	C.2	0.06	A
13	10	59	12.4	19-21.1	155-17.9	27.8	2.3	20	62	2.1	0.13	0.7	1.3	0.10	A
13	11	10	1.3	19-22.6	155-17.1	2.0	1.6	14	72	1.5	0.08	0.4	C.3	0.11	B
13	11	30	50.4	19-23.6	155-16.8	3.3	1.8	15	72	0.4	0.07	0.4	C.8	0.10	B
13	13	3	51.2	19-22.9	155-17.2	2.8		7	105	1.1	0.02	0.1	C.3	0.01	B
13	13	29	36.2	19-23.0	155-17.4	1.1	1.2	11	95	1.3	0.07	0.4	0.5	0.12	B
13	13	29	59.4	19-23.3	155-17.3	1.8	1.0	9	100	0.9	0.04	0.3	C.2	0.04	A
13	13	31	20.6	19-23.1	155-17.5	1.6	1.2	11	63	1.3	0.06	0.3	0.3	0.07	A
13	16	17	43.5	19- 1.4	155-55.2	18.2*		11	311	27.2	2.32	14.8		0.15	D
13	22	20	31.1	19-23.4	155-17.4	1.9	0.7	7	147	1.0	0.05	0.4	0.2	0.04	B
14	1	25	19.6	19-23.7	155-17.1	2.1		7	132	0.8	0.05	0.4	C.2	0.05	B
14	1	51	41.3	19-23.7	155-17.1?	2.2		7	133	0.7	0.08	0.6	0.3	0.05	B
14	2	9	16.6	19-23.4	155-17.4	1.5	1.2	12	70	1.1	0.06	0.4	0.4	0.11	B
14	2	29	22.5	19-23.9	155-17.3	1.9		8	123	1.3	0.03	0.3	C.2	0.04	B
14	4	4	12.4	19-19.4	155-15.1	5.3		14	185	4.3	0.18	1.1	C.9	0.20	C
14	4	36	55.7	19-49.1	155-11.3?	1.8*		7	351	45.1	3.36	13.0		0.21	D
14	5	8	34.1	19-23.2	155-17.1	1.9	0.8	13	87	0.7	0.05	0.3	C.2	0.08	A
14	5	13	41.6	19-22.3	155-19.0?	2.8*		6	236	2.8	2.50	11.4		0.32	D
14	5	14	11.8	19-23.8	155-17.1	2.0	2.1	16	60	0.9	0.08	0.5	C.3	0.13	B
14	5	16	20.7	19-24.0	155-16.9	2.8		4	153	1.2		0.0		0.00	D
14	5	21	12.5	19-22.3	155-17.3?	2.6*		7	195	2.0	0.48	3.1		0.28	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 14	6	13	55.1	19-23.5	155-17.0	2.3		6	134	0.2	0.03	0.3	C.1	0.02	B
14	7	8	22.6	19-23.4	155-17.2	2.4		6	147	0.4	0.03	0.2	0.3	0.02	B
14	8	43	38.2	19-23.6	155-17.0	2.1	2.4	19	64	0.5	0.06	0.5	C.9	0.15	B
14	9	8	34.7	19-18.0	155-10.3?	4.7		14	262	7.5	0.64	3.0	1.2	0.21	D
14	9	58	21.1	19-23.9	155-17.2	1.9	0.6	9	129	1.0	0.03	0.3	0.2	0.05	B
14	10	54	59.6	19-30.9	155-40.9	7.9	2.4	14	232	9.9	0.26	1.4	C.8	0.13	C
14	18	17	1.5	19-24.0	155-17.0	2.1	0.6	8	146	1.1	0.03	0.4	C.2	0.05	B
14	22	4	44.6	19-18.4	155-48.9?	1.1	2.8	21	240	21.7	0.74	1.7	5.0	0.14	C
14	22	24	22.6	19-20.1	155-19.5	5.6	2.3	21	69	3.6	0.06	0.5	C.5	0.14	B
15	2	7	39.6	19-20.7	155-19.7	2.1*	1.3	12	101	4.2	0.04	0.2		0.06	B
15	7	52	16.1	19-23.0	155-25.0	5.3	2.5	19	79	11.3	0.08	0.6	C.9	0.18	B
15	11	36	0.4	19-25.2	155-23.0	8.0*	1.6	18	72	5.9	0.07	0.7		0.15	B
15	17	23	57.8	19-24.3	155-17.1	1.5	1.1	10	137	1.1	0.12	1.0	C.6	0.16	B
15	17	58	37.8	18-56.1	155-25.2	35.3		12	261	25.2	0.82	3.7	7.0	0.12	D
15	19	7	56.6	19-44.8	156-11.9	45.5	3.0	22	272	38.3	0.58	2.9	4.3	0.10	D
15	20	56	45.6	19-18.6	155- 8.6	2.9	1.8	18	185	6.7	0.19	1.2	1.2	0.23	C
15	22	19	5.1	19-22.3	155-22.9	8.0	1.5	14	109	4.0	0.08	0.6	C.5	0.12	B
15	22	47	37.5	19-24.3	155-23.8?	8.0	1.6	22	62	7.2	0.07	0.6	0.5	0.17	B
16	1	15	42.9	19-27.4	155-14.3?	8.4	1.5	18	87	6.5	0.07	0.5	C.4	0.12	B
16	4	37	27.6	19-23.9	155-25.4	7.9	2.3	21	61	7.8	0.09	0.6	C.6	0.15	B
16	8	27	17.2	19-24.9	155-16.5	1.1	1.0	9	177	0.9	0.12	0.6	C.4	0.09	B
16	11	8	35.9	19-23.4	155-17.2	2.0		8	146	0.4	0.05	0.4	C.2	0.06	B
16	15	35	40.1	19-22.0	155-13.9	10.2	1.5	10	148	2.5	0.26	1.7	3.0	0.18	B
16	17	38	23.8	19-21.0	155- 7.9?	0.0	2.2	21	136	8.8	2.87	0.6	5.4	0.14	C
16	20	44	39.1	19-13.8	155- 7.4	39.0		17	209	13.7	0.23	1.2	1.8	0.09	C
17	3	13	14.1	19-21.9	155-25.0	4.5	1.9	19	69	9.9	0.09	0.7	1.0	0.19	B
17	4	5	16.4	19-25.3	155-16.7	1.7	1.4	13	122	0.8	0.09	0.5	C.3	0.11	B
17	8	24	26.1	19-23.2	155-28.9	8.1	2.6	22	65	11.2	0.14	0.6	1.0	0.13	B
17	10	15	25.4	19-23.2	155-17.2	3.9	1.3	14	55	0.6	0.06	0.4	0.7	0.10	A
17	12	33	32.0	19-21.4	155-24.0	7.9	1.9	21	52	2.5	0.10	0.7	C.7	0.18	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 17	22	36	1.0	19-21.2	155-25.7	5.0	1.8	22	74	4.7	0.08	0.6	0.7	0.18	B
18	1	28	10.6	19-19.2	155-13.9	8.0*	1.7	18	171	5.4	0.08	0.6		0.12	C
18	4	20	11.4	19-20.4	155- 9.1	4.6	2.1	21	144	3.4	0.11	0.8	0.6	0.17	B
18	8	1	32.1	19-24.2	155-17.0?	1.9	1.2	8	154	1.2	0.20	1.6	0.9	0.21	C
18	8	6	11.0	19-18.7	155- 9.0	3.1	1.9	18	165	6.5	0.17	1.0	1.1	0.20	C
18	12	11	58.3	19-23.4	155-17.1	2.3		6	144	0.2	0.05	0.5	0.7	0.03	B
18	17	25	57.0	19-19.0	155-15.6	7.1	1.8	17	145	3.7	0.07	0.5	0.4	0.12	B
18	17	38	23.9	19-23.4	155-17.2	2.1	0.7	9	84	0.5	0.04	0.3	0.2	0.05	A
18	18	29	48.9	19-20.0	155-12.6	8.9	1.1	12	161	4.6	0.11	0.9	1.7	0.11	C
18	21	28	3.4	19-22.8	155-17.5	1.0	0.8	12	63	1.5	0.06	0.3	0.4	0.10	A
18	21	39	9.2	19-20.1	155- 8.9	7.5	1.4	9	164	3.9	0.15	1.5	0.8	0.16	C
18	21	40	32.9	19-24.0	155-17.1	1.9	0.5	7	136	1.2	0.07	0.4	1.0	0.05	B
19	1	16	18.1	19-19.8	155-12.0	9.3	1.5	13	210	5.0	0.16	0.9	1.5	0.09	C
19	1	30	28.9	19-23.9	155-16.8	2.2	1.6	15	73	1.0	0.05	0.4	1.5	0.11	B
19	1	33	6.3	19-23.9	155-17.0?	0.0	2.4	13	64	1.0	0.59	0.9	1.1	0.22	B
19	1	38	43.3	19-21.0	155-19.1?	6.0*		6	271	5.1	4.05	19.7		0.40	D
19	1	45	40.4	19-19.6	155-12.4	8.9	1.4	14	209	5.2	0.17	1.0	1.7	0.09	C
19	2	34	49.4	19-24.1	155-17.0	2.1	0.6	9	107	1.3	0.03	0.3	0.1	0.04	A
19	3	4	14.8	19-23.9	155-17.1	2.0	0.6	8	135	1.0	0.03	0.3	0.1	0.03	B
19	3	19	28.7	19-20.0	155-12.2	9.3	1.2	10	204	4.6	0.11	0.7	1.1	0.07	B
19	3	27	17.5	19-23.7	155-17.2?	1.1	0.5	7	128	1.8	0.14	0.7	1.4	0.13	B
19	4	14	32.0	19-19.7	155-14.1	8.0*	1.6	15	159	5.7	0.10	0.8		0.14	C
19	4	49	6.8	19-18.7	155-18.5	24.1	1.8	14	119	1.3	0.36	1.9	2.8	0.11	B
19	5	8	12.6	19-20.9	155-11.1	9.2		6	200	3.2	0.22	1.2	2.2	0.03	C
19	5	50	25.8	19-23.9	155-16.9	2.0	0.9	13	110	1.0	0.07	0.5	0.3	0.11	B
19	5	50	29.8	19-24.1	155-16.3	2.8	2.3	10	112	1.7	0.09	0.7	1.4	0.14	B
19	6	1	54.2	19-19.8	155-13.5	8.0*	1.5	15	160	4.9	0.10	0.7		0.15	C
19	6	26	38.8	19-23.0	155-17.5	2.4	0.7	7	169	1.2	0.10	0.6	1.8	0.06	B
19	6	28	19.7	19-23.4	155-17.0	2.8		9	88	0.2	0.08	0.5	1.0	0.08	A
19	7	34	50.3	19-20.5	155-19.1	4.3	1.3	12	96	3.0	0.16	0.5	1.3	0.09	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 19	8	26	19.6	19-23.9	155-16.0?	2.1	1.3	12	152	2.0	0.09	0.4	0.7	0.07	C
19	8	59	8.6	19-23.1	155-17.1	3.5	1.5	15	62	0.6	0.05	0.3	C.6	0.09	A
19	12	23	24.5	19-23.7	155-16.4	11.6	1.4	10	176	1.1	1.71	5.1	11.9	0.22	D
19	12	46	21.0	19-23.6	155-17.1	2.2	0.7	10	101	0.4	0.03	0.2	0.1	0.04	A
19	13	22	28.0	19-19.5	155-25.9	4.7		14	110	4.7	0.08	0.6	C.8	0.14	B
19	17	13	45.9	19-23.5	155-17.1	10.0		9	80	0.3	0.27	1.5	2.2	0.14	B
19	19	26	33.2	19-23.2	155-17.3	1.3	0.9	9	157	0.7	0.09	0.5	0.5	0.11	C
19	19	39	17.6	19-22.1	155-24.3	3.6	1.5	17	85	4.0	0.08	0.6	C.9	0.16	B
19	21	24	35.4	19-19.8	155- 9.9	4.9		12	168	4.2	0.15	1.1	1.3	0.14	C
19	22	48	40.7	19-24.6	155-17.1	10.4		11	82	0.7	0.04	0.2	0.3	0.03	A
19	23	56	34.9	18-59.2	155-24.7	13.6*		19	236	26.7	0.25	1.9		0.13	D
20	0	20	50.3	19-23.3	155-14.8	2.7		10	163	2.5	0.07	0.3	1.8	0.06	B
20	1	54	38.6	19-22.9	155-14.7	2.1		9	145	2.2	0.09	0.4	C.3	0.06	B
20	2	41	18.4	19-23.1	155-15.1	2.8	1.1	11	148	2.0	0.07	0.5	3.9	0.10	B
20	4	59	14.6	19-53.1	155-26.1	7.7	2.5	14	246	9.7	0.61	4.1	1.0	0.19	D
20	9	33	16.3	19-19.1	155-15.8	6.1		15	162	3.4	0.11	0.8	C.6	0.17	C
20	11	18	16.6	19-13.7	155-22.3	0.5*		12	204	10.2	0.20	1.1		0.17	C
20	11	21	11.1	19-13.9	155-22.3	0.7*	2.6	19	156	9.9	0.10	0.7		0.15	C
20	13	38	5.1	19-21.7	155-25.6?	7.7		11	118	4.9	0.11	0.8	0.7	0.13	B
20	15	39	35.2	19-13.9	155-22.5	0.7*	1.9	11	187	11.8	0.11	0.8		0.12	C
20	20	19	23.9	19- 6.7	155-27.5	14.0*	2.3	18	188	22.6	0.15	1.4		0.17	C
20	20	40	28.0	19-20.1	155-19.1	6.4	1.7	14	104	3.0	0.20	0.6	1.6	0.11	B
20	20	51	52.7	19-19.6	155-11.5	6.C	1.6	16	168	5.4	0.13	1.0	0.8	0.20	C
20	21	5	33.2	19-15.0	155-22.9	3.3		11	167	9.3	0.09	0.8	1.5	0.12	C
20	21	8	9.4	19-14.8	155-22.7	8.0*		9	172	9.3	0.05	0.7		0.05	C
20	22	35	15.0	19-18.9	155-15.8	9.1		12	190	3.6	0.23	1.3	2.1	0.14	C
20	23	57	48.8	19-11.2	155-31.7	6.4		13	97	7.4	0.11	0.9	C.9	0.13	B
21	0	43	19.5	19-25.3	155-15.2	26.0		12	93	4.2	0.16	0.9	1.6	0.08	A
21	1	32	32.0	19-20.7	155-13.0	7.8	1.5	17	178	3.3	0.10	0.8	C.4	0.13	C
21	4	30	13.3	20- 0.4	155-25.5	3.2*		9	325	25.2	0.39	3.0		0.11	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 21	5	18	25.6	19-21.0	155- 6.3	8.0*		8	180	6.2	0.09	1.7		0.08	C
21	5	51	44.7	19-23.6	155-17.8	1.3		7	103	1.6	0.04	0.2	0.3	0.04	B
21	8	26	4.4	19-20.6	155-19.2	2.1*		13	97	3.3	0.08	0.5		0.12	B
21	8	29	42.9	19-19.2	155-15.9?	8.7		10	180	3.0	0.25	1.5	2.5	0.13	C
21	8	57	52.6	19-25.1	155-25.0	6.6	1.9	13	91	9.2	0.06	0.5	0.6	0.10	B
21	11	36	7.9	19-29.7	155-17.7?	2.5	1.2	6	327	7.9	1.40	3.8	3.4	0.15	D
21	12	11	22.8	19-27.9	155-16.0?	8.0*	1.6	7	314	5.4	0.28	4.8		0.36	D
21	12	27	54.0	19-24.9	155-16.3?	2.8	0.9	7	237	1.2	1.17	4.9	4.7	0.21	D
21	14	48	55.6	19-27.0	155-12.1	8.0*	1.3	10	143	8.5	0.15	1.3		0.18	C
21	19	21	36.5	19-15.8	155-17.6	5.8	2.0	15	163	4.4	0.09	0.6	0.5	0.10	C
21	19	25	11.0	19-23.5	155-14.6?	0.8	1.9	16	96	3.0	2.75	0.6	10.5	0.17	B
21	19	26	44.1	19-23.4	155-14.8	3.3	1.4	11	109	2.6	0.08	0.4	1.5	0.08	A
21	20	19	57.9	19-44.2	155-56.7?	0.0		12	271	24.1		52.6	57.0	0.57	D
21	20	31	5.7	19-21.1	155-18.9	2.9	1.0	8	85	3.1	0.09	0.3	2.5	0.05	B
21	20	32	20.0	19-23.5	155-14.4	1.3	0.5	9	164	3.3	0.11	0.5	0.4	0.10	B
21	20	40	10.8	19-21.0	155- 6.3	8.0*	1.8	15	146	6.3	0.10	1.0		0.12	C
21	21	30	4.1	19-23.8	155-14.6	1.4	0.3	8	186	3.4	0.10	0.4	0.4	0.06	B
21	22	48	20.9	19-23.5	155-15.1	1.1	0.9	6	177	2.5	0.02	0.1	0.1	0.01	B
21	22	57	28.3	19-24.0	155-14.4	2.2*		9	182	3.9	0.07	0.4		0.07	C
21	23	6	10.1	19-18.0	155-22.7?	12.3		6	256	4.3	1.75	10.1	10.6	0.12	D
21	23	37	17.9	19-23.1	155-15.1	2.5		10	145	1.8	0.07	0.5	2.1	0.09	B
22	0	56	12.1	19-19.0	155- 7.9	6.7	1.6	13	185	6.7	0.19	1.4	0.8	0.20	C
22	1	11	54.0	19-23.3	155-14.8	2.1*	1.0	9	166	2.6	0.05	0.3		0.06	C
22	2	8	37.0	19-50.3	155-51.8?	42.9*	3.6	20	268	102.3	0.26	2.1		0.13	D
22	2	50	38.7	19-24.1	155-17.6	9.0	0.9	10	104	1.1	0.08	0.4	0.7	0.03	A
22	4	14	38.6	19-20.1	155-14.3	8.6	1.0	12	179	3.7	0.15	1.0	1.6	0.14	C
22	4	45	24.4	19-20.1	155-13.2	8.7	1.4	16	156	4.4	0.11	0.8	1.4	0.14	C
22	5	30	4.8	19-23.2	155-15.0	2.2*	0.6	10	152	2.2	0.06	0.5		0.09	C
22	5	35	19.0	19-23.5	155-14.9	4.0	1.4	10	160	2.7	0.07	0.3	0.8	0.04	B
22	5	53	50.7	19-19.5	155-11.9	9.1	1.2	14	169	5.6	0.10	0.8	1.4	0.09	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 22	7	21	4.7	19-19.0	155- 8.0	8.0*	2.2	10	185	6.6	0.22	1.8		0.22	C
22	7	22	16.3	19-21.6	155- 5.5	8.0*	1.8	9	130	5.4	0.16	1.5		0.20	C
22	10	12	29.9	19-22.8	155-14.6	4.7	1.2	12	146	2.2	0.12	0.5	1.0	0.08	B
22	17	26	17.6	19-23.3	155-14.4	2.6	1.1	11	162	3.1	0.07	0.3	2.5	0.07	C
22	18	29	44.9	19-19.7	155-14.3	8.0*	1.6	15	158	5.5	0.06	0.5		0.09	C
22	19	3	47.7	19-20.8	155-27.1	4.8		13	100	6.7	0.09	0.8	1.2	0.18	B
22	20	38	26.3	19-23.1	155-14.5	1.6		8	164	2.8	0.11	0.5	0.4	0.08	B
22	21	39	30.0	19-20.1	155-15.2	12.0	0.9	9	168	3.2	0.10	0.4	0.8	0.03	B
22	21	43	35.7	19-22.7	155-26.1?	6.0		15	67	6.7	0.09	0.7	0.8	0.15	B
22	21	49	15.0	19-21.3	155- 7.7	7.4		8	145	3.9	0.13	1.4	0.8	0.12	B
22	22	7	14.8	19-23.2	155-14.9	2.0		11	153	2.3	0.11	0.4	0.4	0.08	B
22	22	52	28.6	19-20.1	155-19.7?	1.3	0.8	8	117	4.0	0.34	0.9	5.2	0.08	B
22	23	24	36.9	19-24.1	155-15.5?	1.8	0.8	7	236	2.8	0.54	1.8	1.1	0.10	C
23	0	59	31.4	19-23.2	155-14.9	2.7		9	158	2.3	0.14	0.6	2.7	0.08	C
23	2	8	54.9	19-20.3	155-12.0	9.1	1.0	12	202	4.2	0.18	1.1	1.7	0.10	C
23	2	49	30.4	19-22.8	155-15.0	2.0		7	151	1.8	0.08	0.4	0.2	0.05	B
23	3	1	33.0	19-23.3	155-14.9	4.7	1.4	12	108	2.4	0.16	0.6	1.7	0.15	B
23	3	4	26.3	19-23.7	155-14.7	0.9	0.3	9	183	3.3	0.10	0.5	0.4	0.09	B
23	4	15	21.2	19-19.9	155-11.5	8.0*	0.6	11	217	4.9	0.14	1.0		0.10	C
23	5	34	31.2	19-23.5	155-24.7	8.9	1.6	15	77	6.6	0.06	0.6	0.9	0.13	B
23	6	24	23.3	19-23.5	155-14.7	1.9		7	173	2.9	0.32	1.0	1.0	0.09	C
23	6	30	59.6	19-24.2	155-14.6?	1.2	0.9	10	127	4.0	0.14	0.5	0.6	0.13	B
23	7	41	9.4	19-22.9	155-16.2	0.9		10	118	1.1	0.10	0.6	0.7	0.16	B
23	7	43	53.8	19-22.9	155-14.4	3.6		6	165	2.9	0.13	0.5	1.4	0.03	B
23	8	10	45.2	19-23.6	155-14.9?	1.0	0.9	5	182	2.7		0.0		0.02	D
23	15	19	17.1	19-23.7	155-14.7	4.1	1.4	11	118	3.1	0.04	0.2	0.5	0.03	A
23	15	56	32.3	19-23.5	155-14.8	2.3*	1.0	10	171	2.8	0.06	0.4		0.07	C
23	16	39	6.6	19-23.9	155-16.2	3.4	0.8	8	196	1.6	0.18	0.8	1.5	0.08	B
23	16	53	20.6	19-20.1	155-19.7	2.0*	1.3	11	181	4.0	0.09	0.5		0.09	C
23	17	3	56.3	19-20.0	155-19.6	2.4*	1.4	9	120	3.9	0.05	0.3		0.07	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 23	17	41	31.8	19-23.6	155-14.8	1.3	1.3	10	164	2.9	0.07	0.3	C.3	0.08	B
23	18	43	19.2	19-24.3	155-25.0	8.0*	1.6	13	132	8.1	0.10	0.8		0.14	C
23	20	21	39.1	19-23.6	155-14.6	1.5	0.6	8	183	3.2	0.06	0.3	C.2	0.03	B
23	20	31	57.9	19-23.6	155-14.8	2.3*	1.0	11	163	2.9	0.07	0.5		0.11	C
23	20	42	55.2	19-23.2	155-14.6	5.3	1.7	16	107	2.7	0.08	0.4	C.8	0.10	A
23	21	1	54.1	19-23.4	155-15.0	1.9	1.0	10	156	2.4	0.11	0.5	0.4	0.08	B
23	21	9	44.6	19-23.6	155-14.7	1.6		7	182	3.1	C.15	0.5	C.5	0.05	B
23	21	37	45.6	19-21.5	155-13.0	11.6	0.8	11	138	1.9	0.09	0.6	C.9	0.06	B
23	22	41	43.1	20- 1.0	155-45.5	8.4*	2.6	15	318	40.8	1.51	9.0		0.11	D
23	22	46	30.7	19-23.5	155-14.8	2.2*		9	173	2.8	0.07	0.4		0.08	C
23	22	50	59.3	19-20.2	155-19.6	6.4	2.7	16	114	3.9	0.07	0.4	0.4	0.09	A
23	23	13	42.8	19-24.2	155-16.2	2.2*	1.0	12	107	1.9	0.03	0.2		0.06	B
23	23	19	39.6	19-23.6	155-17.0	2.3		6	136	0.4	0.05	0.4	0.2	0.03	B
24	0	9	49.0	19-23.2	155-14.7	2.1*		9	164	2.6	0.07	0.5		0.08	C
24	0	19	3.9	19-13.6	155-20.6?	8.8	1.9	17	206	8.7	0.24	1.2	C.8	0.14	C
24	0	40	38.3	19-23.5	155-14.6	1.6	1.0	12	113	3.0	C.07	0.3	C.3	0.07	A
24	0	56	49.1	19-21.6	155- 7.1	11.3	0.8	10	137	4.7	0.12	0.8	1.4	0.06	B
24	1	12	27.6	19-11.2	155-41.4	7.3		11	204	10.2	0.21	1.3	C.9	0.11	C
24	1	25	33.5	19-23.5	155-15.8	19.5		14	100	2.1	0.13	0.6	1.2	0.05	A
24	1	34	18.1	19-24.1	155-15.4	1.2	0.8	10	168	3.0	0.15	0.6	C.5	0.11	C
24	1	44	14.6	19-16.7	155-24.3	2.5	1.8	14	185	6.7	0.18	1.0	2.4	C.19	C
24	1	58	2.1	19-23.3	155-15.0?	1.7	1.0	11	153	2.3	0.08	0.5	4.4	0.11	C
24	2	10	10.0	19-23.7	155-14.6	2.3*		11	168	3.3	0.05	0.3		0.07	C
24	2	45	55.1	19-19.4	155-13.6	9.1	1.6	15	199	5.2	0.13	0.8	1.2	0.10	C
24	2	57	39.4	19-24.1	155-16.4	2.0	0.6	8	189	1.6	0.08	0.5	0.2	0.07	B
24	3	27	19.8	19-22.9	155-14.3	1.4	1.1	10	153	2.8	0.07	0.3	C.3	0.07	B
24	6	42	18.1	19-22.8	155-14.1	4.1	1.2	13	115	5.1	0.13	0.6	1.6	0.12	B
24	6	45	3.3	19-23.5	155-14.7	2.0*		9	175	2.9	0.06	0.3		0.06	C
24	7	46	28.9	19-23.4	155-14.5	1.7	0.0	9	175	3.0	0.09	0.4	0.4	0.06	B
24	10	23	54.2	19-23.9	155-16.0	2.2*	0.7	9	207	1.9	0.14	0.8		0.10	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 24	10	51	37.7	19-23.7	155-14.7	5.1		7	259	3.2	0.27	0.9	1.3	0.03	C
24	12	33	18.0	19-40.1	155- 3.5	2.8	2.2	8	251	18.2	0.39	2.0	1.7	0.08	C
24	12	42	1.3	19-24.1	155-16.3	2.2*	1.0	14	155	1.7	0.06	0.4		0.14	C
24	13	11	50.5	19-20.9	155-12.2	8.6		7	184	3.0	0.03	0.3	0.4	0.01	B
24	13	41	10.6	19-18.6	155-15.2	13.8	1.5	8	226	4.7	0.11	0.6	0.9	0.02	C
24	13	45	51.6	19-23.9	155-14.8	1.5	0.7	9	185	3.3	0.15	0.5	0.4	0.07	B
24	14	37	25.9	19-23.1	155-14.4	4.4		8	172	2.8	0.35	1.2	2.6	0.11	C
24	15	39	12.4	19-21.9	155-29.1	4.6	1.8	15	100	10.7	0.08	0.7	C.8	0.15	B
24	16	57	47.1	19-21.9	155-29.3	5.2	1.9	16	93	11.0	0.08	0.7	0.7	0.17	B
24	17	15	33.4	20- 3.2	155-47.9	8.0*	2.8	20	284	10.6	0.53	3.3		0.11	D
24	19	51	27.1	19-17.2	155-13.3	8.0*	1.5	10	243	9.0	0.23	1.5		0.10	D
24	22	4	52.7	19-24.3	155-15.4	1.6	0.6	8	240	3.0	0.30	1.0	C.5	0.07	C
24	23	22	59.8	19-23.4	155-17.2	2.2	0.7	8	94	0.4	0.04	0.4	C.6	0.06	A
24	23	26	38.0	19-20.0	155-11.9	9.4		10	208	4.7	0.11	0.8	1.0	0.06	B
25	0	27	6.9	19-20.7	155-19.9	8.5	0.9	10	106	4.5	0.12	0.6	1.3	0.08	A
25	2	37	25.1	20- 6.9	155-25.9?	C.5	1.4	11	306	37.1	1.79	12.0	33.2	0.14	D
25	4	46	42.6	19-17.6	155-27.6	4.3	1.9	13	165	9.0	0.11	0.8	0.8	0.15	C
25	6	17	47.5	19-23.5	155-15.0	1.7		9	161	2.7	0.16	0.5	C.5	0.08	B
25	6	28	47.3	19-23.2	155-14.9	4.7	1.1	11	152	2.3	0.18	0.7	1.6	0.11	C
25	7	2	32.6	19-20.2	155- 7.7	9.4	1.0	8	164	5.1	0.13	0.9	1.8	0.07	B
25	10	25	25.8	19-20.0	155-11.8	7.0	2.0	18	162	4.8	0.12	0.9	C.6	0.19	C
25	10	36	27.1	19-20.1	155-11.7	5.9	2.0	17	160	4.6	0.14	1.1	0.8	0.22	C
25	11	29	21.5	19-16.0	155-17.2	3.8	1.7	17	193	4.3	0.21	1.1	1.2	0.18	C
25	13	36	30.1	19-20.6	155-25.5	3.1	2.2	16	131	11.8	0.09	0.7	1.0	0.15	B
25	15	28	18.1	19-23.4	155-15.0	2.2	1.7	17	79	2.4	0.11	0.4	0.4	0.12	B
25	15	29	3.5	19-23.5	155-14.9	2.2*	1.0	12	110	2.6	0.03	0.2		0.06	B
25	16	38	58.8	19-23.2	155-14.9	4.7	1.4	12	106	2.3	0.13	0.6	1.3	0.10	B
25	17	10	13.8	19-22.9	155-16.5	2.3	1.2	10	73	1.1	0.08	0.5	C.3	0.13	B
25	18	25	34.9	19-23.5	155-14.7	1.5	1.0	10	175	2.9	0.06	0.3	C.2	0.06	B
25	23	28	28.9	19-22.3	155-25.3	4.4	1.6	17	98	5.3	0.09	0.7	C.9	0.18	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 25	23	47	30.0	19-20.7	155-14.2	4.8		13	197	2.8	0.21	1.2	C.9	0.18	C
26	2	13	11.0	19-18.4	155-24.8?	8.2	2.6	15	158	4.2	0.08	0.7	C.4	0.11	C
26	2	19	1.2	19-19.9	155-19.5	4.0	2.1	18	96	3.7	0.08	0.6	C.7	0.14	B
26	2	20	57.6	19-18.1	155-25.6	3.1	2.0	17	178	14.7	0.12	0.8	C.8	0.14	C
26	4	24	45.8	19-23.1	155-25.6	4.2		14	155	6.8	0.11	0.8	1.2	0.15	C
26	5	1	55.7	19-26.0	155-28.6	7.5		12	149	11.7	0.06	0.5	C.4	0.08	B
26	6	38	23.5	19-25.7	155-56.3	7.5	2.6	16	248	10.3	0.49	4.8	3.2	0.16	D
26	9	30	57.2	19-23.2	155-16.8	4.5	2.2	15	67	0.5	0.08	0.5	C.7	0.13	B
26	11	2	21.3	19-23.3	155-14.7	2.0	1.0	10	164	2.6	0.13	0.4	0.4	0.07	B
26	11	4	6.4	19-22.8	155-14.6	1.4	0.4	8	148	2.2	0.07	0.4	C.3	0.07	B
26	14	47	28.4	19-24.4	155-17.6	2.5	0.5	9	109	0.6	0.21	0.6	1.2	0.07	A
26	14	52	56.8	19-24.0	155-16.5	2.0		7	179	1.3	0.13	0.8	C.4	0.09	B
26	15	5	39.9	19-18.4	155-13.3	8.0*		10	228	7.2	0.14	0.9		0.08	D
26	15	8	50.5	19-26.5	155-25.5	8.3	3.1	17	117	7.1	0.08	0.7	1.3	0.12	B
26	18	18	30.1	19-24.2	155-16.6	2.1		10	145	1.5	0.03	0.2	C.1	0.04	B
26	18	27	38.5	19-27.9	155-16.0?	8.0*	1.6	8	314	5.5	0.21	3.7		0.31	D
26	18	56	42.4	19-23.5	155-17.3	1.1	0.6	10	93	0.8	0.05	0.3	0.3	0.08	A
27	0	40	18.9	19-28.5	155-16.3?	8.0*	1.3	8	318	6.2	0.29	4.4		0.36	D
27	4	14	35.7	19-23.5	155-16.7	2.6	1.1	12	80	0.4	0.05	0.4	C.8	0.08	A
27	4	55	17.0	19-15.6	155-10.8?	0.0	1.6	16	262	12.9	9.16	3.2	16.4	0.26	D
27	6	31	53.2	19-22.6	155-14.3	2.2*	1.2	8	150	2.2	0.05	0.4		0.06	C
27	8	41	13.1	19-24.1	155-15.6	2.5		6	234	2.8	0.11	0.5	1.8	0.02	C
27	9	16	20.9	19-25.1	155-24.5	3.8	1.5	12	119	8.2	0.09	0.7	1.1	0.15	B
27	11	41	54.9	19-23.7	155-16.9	2.2		7	143	0.5	0.05	0.5	0.2	0.06	B
27	14	21	20.2	19-20.7	155-13.2	9.6	1.6	13	199	3.4	0.16	1.0	1.3	0.10	C
27	18	32	36.7	19-23.2	155-14.9	3.1		8	160	2.3	0.21	0.8	2.7	0.07	C
27	18	48	39.0	19-19.9	155-16.0	7.1		13	182	2.5	0.12	0.8	C.5	0.13	C
27	19	46	49.1	20- 0.2	155-44.0	13.0	2.4	14	254	4.7	1.04	9.3	5.9	C.08	D
27	20	25	47.4	19-19.6	155-14.7	12.7	1.6	10	212	4.2	0.27	0.9	1.9	0.05	B
27	20	28	59.4	19-24.3	155-15.8	2.1*	1.2	12	115	2.3	0.06	0.4		0.11	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 27	20	54	28.0	18-57.8	155-16.5?	8.0*	2.2	12	253	37.4	0.73	5.1		0.18	D
27	21	53	24.9	19-23.2	155-14.3	C.2	0.5	9	169	3.1	0.34	0.2	0.7	0.04	B
27	22	27	32.1	19-24.1	155-15.5?	1.8	0.2	8	231	2.8	0.22	0.8	C.4	0.07	C
28	0	26	54.7	19-23.4	155-15.1	0.8	1.2	11	107	2.3	0.35	0.1	C.7	0.05	A
28	3	17	35.7	19-23.7	155-17.2	2.3		7	130	0.7	0.05	0.4	C.2	0.04	B
28	4	39	55.8	19-23.1	155-14.6	5.3	1.8	15	106	2.7	0.07	0.4	C.7	0.08	A
28	4	43	6.6	19-23.7	155-14.7	1.3	1.C	10	183	3.3	0.09	0.4	C.3	0.08	B
28	4	58	44.8	19-23.6	155-17.6	1.8	0.9	13	80	1.2	0.06	0.3	0.3	0.08	A
28	6	34	50.9	19-23.4	155-14.6	1.8		8	170	2.9	0.15	0.5	0.5	0.06	B
28	6	35	41.2	19-23.8	155-14.6	1.7		8	186	3.4	0.11	0.5	C.4	0.09	B
28	6	58	55.1	19-23.5	155-14.6	3.8	1.6	13	110	3.0	0.07	0.3	0.9	0.07	A
28	7	8	25.0	19-23.5	155-14.7	2.1*	1.0	8	177	3.0	0.04	0.3		0.04	C
28	7	37	5.8	19-23.4	155-14.8	5.3	1.6	14	109	2.7	0.09	0.4	C.8	0.08	B
28	8	29	1.7	19-23.6	155-14.4	2.1*		8	184	3.3	0.05	0.3		0.04	C
28	8	59	25.9	19-23.0	155-26.3	4.9	2.0	18	73	7.4	0.08	0.7	C.8	0.20	B
28	10	17	29.2	19-29.7	155-12.8	12.3	1.7	12	273	11.6	0.71	4.8	3.2	0.21	D
28	12	7	15.5	19-20.1	155-15.0	10.7		10	147	3.2	0.06	0.4	C.6	0.04	B
28	12	14	16.6	19-19.6	155- 5.6?	C.6	2.5	16	178	4.6	1.19	1.0	4.4	0.17	C
28	12	24	18.6	19-19.7	155-13.2	8.0*	1.6	12	162	5.1	0.12	1.0		0.17	C
28	12	25	4.1	19-22.3	155-13.9	4.5	1.3	10	143	2.1	0.19	1.0	1.8	0.14	B
28	13	9	7.5	19-23.3	155-14.3	2.7	1.1	9	113	3.2	0.09	0.4	2.2	0.07	B
28	14	59	34.6	19-24.1	155-24.0	8.0*	1.5	11	120	7.3	0.10	0.8		0.13	B
28	15	32	20.6	19-20.3	155-14.4	25.2	2.3	18	137	3.2	0.14	0.9	1.4	0.10	B
28	17	10	54.9	19-23.2	155-14.5	1.7		8	169	2.9	0.06	0.3	C.3	0.04	B
28	17	20	50.5	19-26.4	155-24.1	2.3	1.4	13	106	6.4	0.08	0.6	1.2	0.15	B
28	19	28	20.9	19-22.3	155-13.2	5.0	1.1	10	157	1.0	0.14	0.8	1.2	0.10	C
28	20	1	27.6	19-20.0	155-16.5	6.8	1.3	15	135	1.6	0.08	0.7	0.5	0.13	B
28	20	15	9.7	19-22.1	155- 5.7	2.8	3.4	17	121	6.4	0.11	0.8	1.0	0.15	B
28	21	27	21.5	19-29.3	155-27.8	C.4*	1.9	10	186	8.0	0.13	1.1		0.13	C
28	21	30	49.8	19-22.4	155-23.1	5.7	1.8	21	54	4.0	0.09	0.8	0.8	0.21	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 28	22	11	34.0	19-23.8	155-17.5?	1.9	0.6	7	133	1.2	0.05	0.3	0.3	0.05	B
28	22	53	53.1	19-20.5	155-14.5	8.5	1.3	13	191	2.8	0.14	0.9	1.2	0.11	C
28	23	22	28.7	19-23.6	155-15.4	1.7		8	163	2.4	0.13	0.6	0.5	0.10	B
29	0	17	16.5	19-23.6	155-15.0	2.9	1.0	10	172	2.8	0.11	0.4	1.8	0.06	B
29	1	14	34.9	19-21.3	155-17.0	23.0	1.7	17	101	2.3	0.14	0.9	1.3	0.11	B
29	1	30	6.9	19-24.5	155-17.4	8.2	1.2	10	99	0.4	0.10	0.9	0.9	0.07	A
29	1	30	58.4	19-23.3	155-16.2	8.4	1.3	13	85	1.4	0.06	0.4	0.7	0.08	A
29	2	22	24.5	19-22.3	155-23.3	6.6	1.8	13	62	3.8	0.08	0.8	0.7	0.15	B
29	2	49	44.2	19-24.3	155-17.3	0.8	0.9	12	92	0.9	0.05	0.3	0.3	0.09	A
29	3	31	52.7	19-22.1	155-23.6	4.5	1.9	19	73	7.5	0.11	0.8	1.1	0.24	B
29	4	6	19.9	19-23.8	155-17.1	2.1	0.6	9	136	0.8	0.03	0.3	0.1	0.04	B
29	4	46	57.0	19-26.2	155-14.6?	8.0*	1.6	12	255	4.8	0.34	3.0		0.62	D
29	5	23	58.9	19-23.1	155-14.4	0.9	1.1	9	168	2.9	0.04	0.2	0.2	0.04	B
29	5	42	42.4	19-23.4	155-14.6?	0.1		9	173	3.0	1.53	0.7	3.2	0.14	C
29	5	51	36.9	19-24.1	155-17.1	2.1		8	134	1.3	0.05	0.5	0.2	0.06	B
29	6	0	32.1	19-23.9	155-17.7?	1.6	0.3	8	130	1.5	0.06	0.2	0.4	0.07	B
29	6	3	47.6	19-22.9	155-14.3	1.9	1.1	7	156	2.6	0.10	0.4	0.4	0.04	B
29	6	9	28.0	19-23.5	155-14.8	2.2*	0.8	8	173	2.8	0.04	0.2		0.03	C
29	6	35	1.4	19-29.5	155-16.8?	8.0*	1.4	8	324	7.7	0.56	5.7		0.49	D
29	7	14	39.4	19-22.7	155-14.2	1.6		6	176	2.6	0.15	1.0	0.6	0.07	B
29	7	18	56.3	19-23.4	155-17.4?	3.2		7	149	0.7	2.49	4.8	13.2	0.14	C
29	7	23	58.4	19-23.9	155-16.2	1.8		8	150	1.6	0.11	0.6	0.4	0.11	B
29	7	46	21.1	19-23.3	155-17.2?	2.4		7	151	0.5	0.06	0.5	0.8	0.05	C
29	9	6	29.4	19-25.9	155- 1.7	30.3		19	215	8.7	0.27	1.4	2.1	0.08	C
29	9	20	15.0	19-23.2	155-17.3	1.4	1.0	9	92	2.8	0.02	0.1	0.1	0.03	A
29	9	22	56.1	19-23.6	155-17.2	1.8	0.9	11	96	0.6	0.05	0.4	0.2	0.07	A
29	9	42	18.7	19-23.8	155-17.4	1.2	0.5	10	117	1.1	0.06	0.4	0.4	0.11	B
29	9	59	13.0	19-23.6	155-14.8	3.7	1.8	10	114	2.9	0.07	0.3	1.0	0.06	A
29	10	1	25.7	19-23.3	155-14.7	4.1	1.1	10	108	2.7	0.14	0.6	1.4	0.09	B
29	10	2	38.1	19-23.2	155-14.8	4.3	1.6	12	107	2.5	0.11	0.5	1.3	0.09	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 29	12	56	3.2	19-24.2	155-17.9	1.8	0.5	12	81	1.2	0.04	0.2	C.2	0.07	A
29	13	13	25.6	19-23.5	155-17.4	1.5	0.6	12	88	0.8	0.05	0.3	0.3	0.08	B
29	13	27	36.5	19-25.3	155-15.6?	0.2	1.3	9	172	2.5	2.55	1.0	4.9	0.13	C
29	14	42	36.9	19-56.4	155-40.5?	C.8		13	189	10.6	6.64	2.4	23.3	0.09	C
29	14	57	47.3	19-23.4	155-17.1	2.3		6	142	0.3	0.04	0.4	0.5	0.03	B
29	15	4	58.1	19-22.6	155-14.6	4.4	1.2	11	122	1.9	0.09	0.5	C.9	0.08	B
29	15	14	23.8	19-31.3	155-10.4?	2.0*	1.7	7	337	16.5	1.70	7.0		0.23	D
29	15	44	58.0	19- 6.1	155-28.1	37.1	2.5	10	193	6.2	0.58	2.6	5.6	0.15	C
29	17	9	4.0	19-24.4	155-17.0	0.7	0.8	10	118	0.8	0.08	0.3	C.2	0.10	A
29	17	27	52.8	19-24.1	155-16.4	2.2	1.1	11	95	1.5	0.08	0.5	3.4	0.11	B
29	17	38	30.7	19-28.4	155-17.2	5.6	1.1	8	317	5.5	1.17	6.9	5.3	0.24	D
29	17	41	47.0	19-22.8	155-14.5?	1.2	1.1	7	151	2.3	0.10	0.6	C.6	0.08	C
29	18	3	35.9	19-24.0	155-17.5	2.0	0.5	8	118	1.2	0.07	0.6	C.3	0.08	A
29	19	3	5.7	19-30.1	155-16.1?	8.0*	1.9	8	327	9.1	0.69	6.4		0.43	D
29	19	17	22.9	20- 6.6	155-49.9	8.0*	3.3	17	147	16.2	0.08	0.9		0.11	C
29	19	34	40.8	19-28.3	155-16.1?	8.0*	1.3	8	317	6.0	0.23	4.0		0.34	D
29	19	48	59.8	19-18.6	155-13.6	8.0*	1.3	13	224	6.7	0.21	1.3		0.13	C
29	19	53	9.3	19-23.8	155-17.3?	3.3		8	128	1.0	0.14	0.4	1.6	0.12	B
29	20	43	37.9	19-23.6	155-17.1	3.5	1.5	14	56	0.6	0.06	0.4	0.7	0.12	B
29	20	44	57.3	19-23.2	155-17.2	1.8	1.1	10	89	0.6	0.07	0.4	C.3	0.07	A
29	21	21	6.4	19-23.1	155-14.8	2.2*		8	157	2.4	0.06	0.5		0.07	C
29	21	24	38.1	19-23.4	155-15.2	4.0		8	159	2.2	0.21	0.7	2.0	0.06	B
29	22	3	5.6	19-23.5	155-15.5	1.5	0.9	8	219	2.1	0.26	1.1	C.7	0.13	C
29	22	20	33.4	19-23.6	155-17.0	2.3	0.7	7	137	0.3	0.08	0.6	C.3	0.07	B
29	22	50	13.6	20- 8.4	155-50.6	21.4*		8	326	56.6	2.58	15.6		0.08	D
29	23	12	46.1	19-24.0	155-17.3?	2.C		7	124	1.3	0.03	0.3	C.2	0.03	B
29	23	15	2.9	19-23.5	155-15.1	0.2	1.7	13	109	2.4	0.29	0.4	C.6	0.11	B
29	23	36	15.C	19-23.5	155-14.4?	C.0	1.0	9	180	3.3	0.85	0.4	1.7	0.09	C
3C	0	3	48.3	19-18.5	155-13.9	8.C*		9	224	6.5	0.19	1.2		0.11	C
30	0	12	53.1	19-17.3	155-15.0	7.2	2.2	19	160	6.5	0.13	0.9	C.6	0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
JUL 30	0	27	51.5	19-16.1	155-13.6	6.2	1.4	15	211	9.5	0.35	1.9	1.4	0.21	C
30	0	57	42.4	19-23.3	155-17.3	1.9		9	87	0.7	0.04	0.3	0.2	0.05	A
30	1	0	10.6	19-24.0	155-17.2?	2.0		7	130	1.2	0.02	0.3	C.1	0.03	B
30	1	31	8.8	19-24.0	155-17.2?	2.0		7	129	1.2	0.02	0.2	C.1	0.03	B
30	1	39	44.1	19-23.7	155-17.5	1.7	1.3	13	85	1.1	0.05	0.4	0.2	0.08	A
30	1	53	30.9	19-23.7	155-15.1	3.9		7	177	2.9	0.05	0.2	C.6	0.01	B
30	4	3	28.3	19-23.7	155-17.1?	2.3		7	134	0.7	0.05	0.3	0.2	0.03	B
30	4	6	26.0	19-11.4	155- 5.9	41.4		13	231	16.4	0.43	2.1	3.4	0.10	C
30	4	14	36.4	19-23.3	155-17.2	1.8	1.0	8	85	0.5	0.04	0.3	C.2	0.04	A
30	4	56	2.1	19-17.4	155-14.6	7.7	1.7	14	224	6.9	0.32	1.9	C.7	0.21	C
30	5	24	24.6	19-24.3	155-11.9?	8.0*	1.8	11	288	7.4	0.49	3.3		0.39	D
30	5	46	30.4	19-24.6	155-17.0	8.2		10	84	0.6	0.05	0.4	0.5	0.04	A
30	10	19	18.0	19-23.4	155-17.4	1.8	1.3	12	83	0.8	0.06	0.4	C.3	0.08	A
30	11	20	33.5	19-17.3	155-23.2?	1.9	2.3	15	179	5.4	0.44	0.9	1.3	0.16	C
30	12	1	13.6	18-52.6	155-18.6	8.5		13	258	39.2	0.53	5.6	7.1	0.12	D
30	17	23	32.0	19-23.9	155-16.8	3.6	2.6	16	73	1.8	0.05	0.4	0.6	0.12	B
30	17	30	9.3	19-23.2	155-17.5	2.3	0.8	10	118	1.1	0.08	0.4	1.2	0.09	A
30	19	9	13.4	19-24.0	155-17.?	2.1	0.7	7	129	1.3	0.03	0.3	C.1	0.04	B
30	21	41	35.9	19-23.8	155-17.1	2.0	1.0	10	137	0.9	0.03	0.3	C.1	0.05	B
30	22	45	50.1	19-27.2	155-43.4?	7.3		11	288	13.1	0.92	5.4	1.4	0.10	D
31	0	44	33.4	19- C.9	155-20.1?	C.1	2.4	15	223	31.7	7.88	4.4	33.2	0.25	D
31	5	42	8.0	19-20.3	155-25.3	4.0	1.9	19	103	3.5	0.10	0.8	C.9	0.22	B
31	7	49	13.8	19-19.9	155-12.9	6.0		15	160	4.7	0.17	1.1	1.1	0.23	C
31	8	35	40.8	19-18.4	155-13.2	8.0*	1.8	14	204	7.2	0.13	0.9		0.12	C
31	11	37	59.9	19-21.4	155-15.2	7.7	3.0	23	126	0.8	0.07	0.6	0.3	0.15	C
31	17	3	30.8	19-18.5	155-13.2	8.0	2.0	16	200	7.1	0.16	1.1	C.5	0.13	C
31	17	31	47.9	19-31.7	155-12.1	7.8	1.8	17	120	14.9	0.07	0.5	1.3	0.08	A
31	18	10	16.8	19-14.3	155-11.7	6.4	2.0	17	215	13.9	0.17	0.9	0.6	0.11	C
AUG 1	1	38	23.3	19-29.3	155-51.9	7.9	3.6	22	142	6.9	0.08	1.2	1.8	0.11	B
1	1	40	25.3	19-25.3	155-24.3	8.0*	2.1	10	201	7.6	0.22	1.4		0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 1	4	59	51.2	19-13.3	155-10.3	4.1	2.5	15	228	17.0	0.49	2.2	1.8	0.20	C
1	8	25	58.8	19-19.6	155-11.6	3.7	2.2	19	168	5.5	0.18	1.1	1.4	0.28	C
1	9	55	31.7	19-21.6	155-14.1	8.5	1.0	9	131	2.1	0.13	1.4	1.7	0.14	B
1	12	8	19.4	19-18.9	155-13.9	8.0*	1.7	9	218	5.9	0.18	1.2		0.12	C
1	15	49	4.1	19-18.6	155-12.8	8.0*	2.4	12	181	7.1	0.12	0.9		0.11	C
1	18	57	49.5	19-19.5	155-16.5	8.7	1.5	11	182	1.9	0.15	0.9	1.3	0.08	C
1	19	4	54.4	19-18.0	155-12.9	8.0*	1.9	14	190	8.1	0.12	0.8		0.11	C
1	19	10	44.4	19-18.3	155-13.2	8.0*	1.7	13	185	7.4	0.11	0.8		0.11	C
1	19	13	27.9	19-18.8	155-15.4	9.1		13	169	4.2	0.14	0.8	1.4	0.11	C
1	22	6	42.0	19-22.8	155-14.5	3.1		7	157	2.3	0.09	0.4	0.8	0.03	B
1	23	37	26.1	19-17.6	155-13.3	5.5	2.1	18	163	8.6	0.16	1.0	0.9	0.22	C
2	0	57	0.0	19-21.1	155- 4.9	4.0	2.0	15	135	4.1	0.12	1.2	1.1	0.18	B
2	2	30	5.1	19-21.7	155-24.5	7.1	1.8	10	127	3.5	0.07	0.7	0.6	0.09	B
2	5	20	50.0	19-21.4	155-25.1	7.9	2.5	19	66	3.9	0.11	0.7	0.7	0.17	B
2	7	58	39.0	19-19.3	155-14.8	5.1	1.4	10	163	4.8	0.19	1.1	1.4	0.18	C
2	14	7	59.8	20- 7.9	155-51.6	8.0*	2.9	21	291	20.1	0.58	3.6		0.11	D
2	14	9	31.0	20- 9.9	155-51.0	8.0*	2.9	11	314	59.1	1.55	9.3		0.10	D
2	18	29	31.9	19-26.6	155-26.2	7.5	1.7	13	214	7.8	0.14	0.9	0.4	0.09	B
2	20	23	0.7	19-16.4	155-13.9	5.2		13	231	9.1	0.49	2.4	1.6	0.20	C
2	21	43	36.3	19-48.7	155-51.1	4.4	2.8	19	248	33.2	0.58	1.8	4.4	0.08	C
3	1	50	30.7	20- 4.1	155-16.6?	5.2	2.1	15	248	21.0	1.50	2.4	8.6	0.12	D
3	7	45	35.4	19-14.2	155-12.3	4.9	1.9	13	215	13.1	0.28	1.4	1.1	0.17	C
3	9	26	44.1	19-25.7	155-51.2	8.0*	2.2	12	220	12.4	0.30	3.6		0.13	C
3	12	43	3.0	19-19.2	155-15.6	5.3	1.4	10	202	3.6	0.28	1.8	1.3	0.23	C
3	13	28	6.4	19-14.6	155-11.3	8.1	2.0	17	184	14.3	0.19	1.2	3.2	0.11	C
3	13	29	36.1	19-15.6	155-11.2	8.0*	1.9	9	231	12.9	0.37	2.5		0.15	D
3	14	9	14.9	19-18.5	155-13.1?	5.6	3.8	22	150	7.1	0.20	1.2	1.0	0.32	C
3	14	48	48.6	19-17.6	155-12.7	8.0*	1.9	10	197	8.9	0.18	1.3		0.15	C
3	15	33	34.9	19-18.7	155-13.4	8.0*	1.6	12	178	6.6	0.11	0.8		0.12	C
3	16	7	27.5	19-18.7	155-13.9	8.0*	1.5	12	178	6.2	0.12	0.9		0.14	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 3	17	22	2.1	19-23.6	155-17.4	1.7	0.6	11	101	1.0	0.05	0.4	C.3	0.08	A
4	1	36	44.7	20- 7.1	155-51.2	8.0*	4.2	22	145	18.7	0.07	0.9		0.11	C
4	6	33	29.2	19-23.4	155-17.0	2.6	0.8	9	98	0.2	0.01	0.1	0.2	0.02	A
4	9	16	14.3	19-19.6	155-10.7	8.0*		13	171	6.3	0.12	1.1		0.15	C
4	10	57	30.1	19-20.2	155-14.3	5.9		13	197	3.5	0.25	1.7	1.0	0.21	C
4	12	34	10.4	19-22.9	155-16.4	3.4	1.0	12	113	1.2	0.10	0.5	1.1	0.10	A
4	19	56	45.9	19-16.2	155-23.4?	0.0		13	166	7.3	1.44	2.0	21.5	0.27	C
4	20	30	19.3	19-19.6	155- 9.4?	0.0		16	173	7.8	6.25	1.1	11.9	0.23	C
4	20	53	31.8	19-20.8	155- 6.3	8.0*		13	152	6.1	0.11	1.1		0.12	C
4	21	36	2.6	19-23.3	155-14.3?	0.0		9	174	3.2	0.58	0.3	1.2	0.06	C
4	21	44	56.9	19-21.4	155-19.3	2.2*		10	96	4.2	0.06	0.4		0.10	B
4	23	48	59.0	19-19.0	155-13.2	8.0*		13	221	6.4	0.17	1.1		0.11	C
5	2	19	45.2	19-18.2	155-13.3	6.3		11	230	7.4	0.43	2.4	1.6	0.23	D
5	2	21	34.1	19-48.4	155- 1.9	42.6	1.5	19	231	11.2	0.37	1.5	3.3	0.08	C
5	3	4	34.9	19-25.1	155-17.0	2.7	0.7	9	175	0.4	0.05	0.4	0.5	0.05	B
5	3	38	22.5	19-18.4	155-15.3	13.3		10	179	4.8	0.07	0.8	C.8	0.06	B
5	5	43	50.6	19-26.0	155-17.9	6.0	1.0	8	287	1.2	0.58	2.0	2.9	0.12	C
5	7	52	54.5	19-21.3	155-26.1	5.7	2.0	18	73	5.3	0.12	0.9	1.1	0.18	B
5	10	9	13.6	19-25.5	155-16.2	1.6	0.9	10	189	1.8	0.14	0.6	0.4	0.09	B
5	11	16	11.0	20-40.3	156- 5.4?	6.7	2.3	21	196	19.8	2.80	17.1	69.2	0.22	D
5	13	17	14.5	19-25.3	155-23.6	6.3	1.7	16	132	6.5	0.10	0.7	0.7	0.16	B
5	15	35	20.5	19-29.5	155-50.6	1.3*	2.0	14	310	35.8	0.06	1.0		0.09	D
5	16	55	29.9	19-25.4	155-27.5	7.4	1.7	16	152	10.9	0.12	0.8	C.6	0.14	C
5	16	56	10.6	19-28.5	155-42.9?	13.2*		13	289	27.1	0.34	2.2		0.22	D
5	17	46	34.2	19-27.7	155-13.2?	8.0*	1.7	9	318	8.5	1.77	11.1		0.49	D
5	18	14	28.6	19-16.1	155-18.2	30.0	2.8	22	155	3.4	0.15	1.0	1.5	0.14	C
5	18	21	47.9	19-15.9	155-18.1	29.0	2.4	22	157	4.0	0.15	1.0	1.5	0.14	C
5	18	46	24.1	19-22.7	155-22.2	2.6		12	147	4.7	0.06	0.4	0.6	0.08	B
5	18	55	3.5	19-22.5	155-22.5	4.1	1.6	16	148	4.4	0.08	0.7	0.7	0.16	B
5	19	4	35.6	19-24.2	155-17.7	1.9	0.4	8	112	1.0	0.04	0.3	0.2	0.05	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 5	19	33	33.7	19-18.4	155-15.9	5.9	2.3	18	149	4.0	0.17	1.2	C.9	0.25	C
5	20	30	53.6	19-23.8	155-21.4	6.4		12	137	3.0	0.06	0.4	C.4	0.06	B
5	21	46	32.3	19-22.6	155-22.5	6.2	1.4	17	108	4.6	0.09	0.7	C.7	0.16	B
5	21	51	22.9	19-22.6	155-22.1	2.7		12	145	4.7	0.08	0.6	C.8	0.11	B
5	23	20	34.2	19-22.9	155-14.3?	2.0	1.7	17	112	2.7	0.05	0.4	1.0	0.12	B
5	23	45	4.2	19-23.4	155-14.6	1.5		9	173	2.9	0.08	0.4	C.4	0.06	B
5	23	58	34.2	19-23.4	155-16.4	12.2	1.5	16	67	0.9	0.09	0.7	C.8	0.12	B
6	0	4	37.8	19-25.0	155-17.0?	2.1	1.3	15	74	C.2	0.07	0.6	C.8	0.14	B
6	0	49	13.3	19-24.2	155-17.8	1.8	1.1	12	67	1.0	0.02	0.1	C.1	0.04	A
6	1	8	32.4	19-40.4	156- 3.3?	8.0*	3.3	13	314	65.7	3.39	82.4		0.67	D
6	1	9	48.9	19-23.3	155-14.7	2.1*		9	168	2.7	0.07	0.5		0.08	C
6	1	11	47.5	19-23.1	155-14.9	3.2		8	155	2.2	0.19	0.7	2.0	0.06	B
6	1	12	53.8	19-23.3	155-14.8	2.8	1.0	10	163	2.5	0.09	0.4	1.9	0.06	B
6	1	19	33.6	19-20.4	155-25.0	8.5	1.7	15	132	3.0	0.10	0.9	0.6	0.15	B
6	2	19	55.4	19-18.9	155-10.8?	0.0		16	230	7.3	7.27	1.8	13.5	0.26	D
6	7	6	12.9	19-23.4	155-14.8	2.6		9	169	2.7	0.05	0.2	1.4	0.04	B
6	9	36	11.2	19-20.4	155-15.9?	6.8	1.2	10	135	2.6	0.28	1.2	2.5	0.19	C
6	11	3	28.6	19-25.2	155-21.8	6.7	1.6	15	147	4.5	0.12	0.8	C.7	0.15	B
6	11	54	25.7	19-23.8	155-14.7	1.6		8	188	3.3	0.08	0.3	0.3	0.05	B
6	12	27	13.3	19-23.5	155-14.8	1.9		9	175	2.8	0.09	0.3	C.3	0.04	B
6	13	18	1.5	19-18.9	155-13.7	8.0*	1.6	12	174	6.0	0.10	0.7		0.12	C
6	13	23	27.3	19-23.1	155-14.4	1.7	1.1	9	168	2.9	0.10	0.4	C.4	0.08	B
6	14	5	5.4	19-21.0	155-11.5	10.9		10	148	3.3	0.07	0.5	C.8	0.04	B
6	15	36	21.3	19-23.6	155-14.9	3.6	1.0	11	113	2.8	0.09	0.4	1.4	0.08	A
6	17	37	10.4	19-22.0	155-29.3	7.6	2.2	21	73	11.0	0.15	0.7	1.0	0.14	B
6	17	48	19.1	19-12.3	155-26.4?	3.2*		7	341	24.0	5.13	94.9		0.57	D
6	18	19	1.9	19-19.6	155-16.5	9.4	1.4	9	163	1.8	0.12	0.8	1.1	0.06	B
6	19	9	11.6	19-20.8	155-10.8	8.0		10	153	3.1	0.02	0.2	C.3	0.02	B
6	21	40	24.4	19-23.6	155-14.7	1.4	1.0	10	178	3.1	0.08	0.3	C.3	0.07	B
6	22	23	39.5	19-24.3	155-17.6	0.8	0.7	13	99	0.8	0.06	0.3	0.3	0.09	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 6	22	36	11.4	19-43.9	156-10.4	43.6*	2.3	14	307	35.3	0.32	2.3		0.08	D
6	23	3	51.3	19-13.4	155-11.2	8.0*	1.6	13	206	15.5	0.18	1.1		0.13	C
7	0	30	29.0	19-20.8	155-11.7	8.2	1.1	12	151	3.6	0.05	0.5	C.8	0.07	B
7	0	55	29.8	19-17.8	155-13.3	8.0*	1.4	11	234	8.2	0.31	1.9		0.18	D
7	1	17	55.7	19-42.8	155-45.7	14.9*	2.3	11	152	27.2	0.11	1.0		0.14	C
7	3	36	51.8	19-19.0	155-15.9	9.3	1.6	13	187	3.4	0.21	1.1	1.9	0.12	C
7	6	13	1.5	19-24.6	155-16.1	0.9	0.9	14	117	1.7	0.09	0.3	C.4	0.10	B
7	11	55	37.9	19-25.8	155-22.7	8.0*	1.4	13	166	4.9	0.09	0.7		0.10	C
7	13	24	46.4	19-23.2	155-14.2	3.3		11	112	3.1	0.05	0.3	C.8	0.05	A
7	13	25	20.7	19-27.2	155-43.0	4.8	2.2	13	153	22.8	0.16	1.0	2.0	0.07	B
7	14	37	22.9	19-21.3	155- 8.7?	4.1	2.0	20	147	2.5	0.23	1.8	1.8	0.35	C
7	15	26	38.3	19-18.1	155-19.6	4.3	1.1	13	160	1.7	0.15	1.0	1.0	0.18	C
7	15	58	49.4	19-30.2	155-15.4	2.9*	1.3	8	328	9.7	0.27	1.4		0.08	D
8	0	18	35.3	19-28.4	155-17.2?	5.2	0.8	8	318	5.6	1.21	7.3	7.5	0.25	D
8	1	4	11.5	19-23.2	155-17.3	1.8	1.0	10	88	0.7	0.05	0.3	0.2	0.07	A
8	3	36	21.8	19-24.2	155-17.0	2.0	1.0	8	148	1.3	0.03	0.3	C.1	0.04	B
8	4	27	13.6	19-24.2	155-16.7	2.1	-0.0	11	125	1.4	0.04	0.3	0.2	0.06	B
8	5	24	33.3	19-23.4	155-17.1	1.9	0.7	10	84	0.3	0.04	0.3	C.2	0.07	A
8	6	44	40.5	19-23.3	155-12.8	7.3	1.4	11	177	1.5	0.51	1.4	3.4	0.17	C
8	6	55	21.4	19-20.1	155-15.1	6.3	1.7	20	160	3.1	0.10	0.8	C.6	0.20	C
8	7	9	40.4	19-28.1	155-11.4	8.0*	1.7	12	169	11.5	0.21	1.7		0.22	C
8	7	25	2.5	19-24.1	155-16.6?	1.9	0.6	9	182	1.5	0.10	0.7	C.3	0.10	C
8	7	36	54.7	19-20.4	155-19.0	2.0*		8	96	2.9	0.03	0.2		0.04	B
8	9	11	47.6	19-24.2	155-16.2	1.9		9	210	2.0	0.06	0.3	0.1	0.04	B
8	9	55	8.2	19-26.8	155-15.1?	8.0*	1.6	10	264	4.9	0.44	3.0		0.39	D
8	12	26	14.6	19-18.9	155-22.7?	8.0*	2.5	12	254	7.3	2.98	17.2		1.13	D
8	12	32	57.3	19-20.7	155-11.5	9.9	1.1	10	199	3.8	0.13	1.0	1.1	0.08	B
8	13	15	18.4	19-23.8	155-16.5	2.0	2.3	18	83	1.0	0.06	0.3	0.3	0.11	B
8	13	27	31.2	19-23.8	155-17.1	2.1	0.6	7	138	0.7	0.03	0.3	0.1	0.04	B
8	13	40	51.6	19-24.1	155-17.1?	2.6*	0.7	6	141	1.3	0.13	0.9		0.09	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 8	13	42	20.7	19-23.8	155-17.2?	2.1		7	131	0.9	0.05	0.4	0.9	0.04	B
8	14	0	50.9	19-24.0	155-14.5	1.5		7	266	3.8	0.25	0.8	0.5	0.04	C
8	16	33	8.4	18-55.1	155-16.5	26.0*	2.4	19	252	41.6	0.30	2.3		0.18	D
8	17	31	19.6	19-23.4	155-17.0	2.2	0.7	8	110	0.1	0.05	0.4	0.2	0.05	A
8	20	5	10.1	19-22.7	155-17.4	2.4		9	100	1.5	0.04	0.3	0.9	0.04	A
8	20	27	12.7	19-24.0	155-17.2	2.1		8	132	1.2	0.02	0.3	0.1	0.04	B
8	20	52	15.3	19-20.2	155-11.1	15.1*	1.7	7	342	8.0	0.94	8.9		0.14	D
8	22	31	47.9	19-22.5	155-17.1	3.3	1.5	14	81	1.7	0.06	0.3	0.9	0.08	A
8	23	4	27.2	19-23.9	155-17.4	2.0	0.6	9	88	1.2	0.03	0.3	0.1	0.04	A
8	23	14	12.3	19-23.9	155-17.1	2.1	0.6	8	131	1.1	0.03	0.3	0.2	0.03	B
8	23	16	41.3	19-24.3	155-24.0	6.5	1.5	16	181	7.6	0.13	0.9	0.7	0.16	C
8	23	19	11.8	19-23.6	155-17.5	2.0	0.8	7	144	1.1	0.11	0.6	0.4	0.08	B
9	0	44	13.7	19-22.9	155-17.4	1.9		8	171	1.2	0.12	0.5	0.3	0.07	B
9	0	53	16.3	19-22.6	155-17.4	2.8		10	104	1.7	0.04	0.2	0.6	0.03	A
9	1	4	13.3	19-23.9	155-17.3?	2.1		7	120	1.2	0.04	0.4	0.2	0.04	B
9	1	7	20.7	19-24.0	155-16.9	2.0	1.1	14	69	1.1	0.04	0.2	0.1	0.07	A
9	1	31	30.8	19-24.1	155-16.9	2.7		8	114	1.4	0.07	0.4	0.8	0.05	A
9	1	32	4.7	19-24.1	155-16.9	2.1	0.5	12	110	1.3	0.04	0.3	0.1	0.07	A
9	1	55	38.9	19-24.6	155-16.7	3.2	1.5	13	107	0.9	0.06	0.3	0.7	0.08	A
9	2	14	44.5	19-24.3	155-17.5	1.2	0.8	10	106	0.8	0.05	0.3	0.3	0.09	A
9	2	49	49.8	19-23.1	155-16.6?	2.2	1.9	16	67	0.7	0.16	0.7	0.6	0.19	C
9	2	55	53.4	19-23.7	155-16.5	3.5	2.5	13	82	2.5	0.06	0.3	0.8	0.09	A
9	2	59	15.7	19-22.8	155-17.3	2.2		9	110	1.2	0.05	0.2	0.2	0.04	A
9	3	1	58.2	19-23.9	155-16.9	2.0	2.0	17	70	1.0	0.07	0.4	0.3	0.11	B
9	3	57	32.5	19-26.8	155-15.6?	8.0*	1.5	8	303	4.3	0.17	2.5		0.22	D
9	4	4	58.1	19-24.3	155-17.0?	0.6	0.3	8	146	1.1	0.10	0.4	0.2	0.10	B
9	4	12	25.4	19-22.7	155-14.2	3.7	1.2	13	121	2.6	0.12	0.6	1.6	0.11	B
9	4	20	50.3	19-23.5	155-16.7	2.0	0.7	14	74	0.5	0.05	0.3	0.2	0.10	A
9	5	49	55.1	19-22.8	155-17.3?	3.4		6	110	1.3	0.05	0.3	1.3	0.03	B
9	6	20	35.3	19-28.1	155-15.7?	8.0*	1.3	8	316	6.0	0.23	4.2		0.38	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 9	6	25	39.8	19-26.4	155-22.6?	8.0*	2.0	11	207	4.1	2.97	16.5		1.03	D
9	6	28	15.6	19-29.5	155-15.8?	8.0*	0.5	8	323	8.1	0.42	5.2		0.37	D
9	6	30	22.5	19-23.9	155-17.2?	2.1		7	128	1.0	0.03	0.2	C.1	0.02	B
9	6	32	22.7	19-29.4	155-16.4?	8.0*	1.4	8	324	7.8	0.61	5.7		0.44	D
9	6	34	9.3	19-28.1	155-16.3?	8.0*	1.3	8	316	5.5	0.27	3.5		0.33	D
9	6	36	19.2	19-23.0	155-17.4	1.9	0.8	7	168	1.1	0.15	0.7	0.5	0.07	B
9	6	42	3.0	19-28.4	155-15.7?	8.0*	1.0	8	318	6.5	0.26	4.3		0.34	D
9	6	53	49.9	19-28.3	155-15.8?	8.0*	1.0	8	317	6.2	0.26	4.3		0.35	D
9	6	54	38.9	19-23.9	155-16.7?	C.8*		7	165	1.0	0.18	0.9		0.21	C
9	7	9	48.1	19-22.6	155-17.6	1.1		10	107	1.9	0.06	0.3	C.4	0.08	A
9	7	48	8.4	19-24.1	155-17.4	2.0	0.7	8	116	1.2	0.03	0.3	0.2	0.04	A
9	8	4	15.4	19-23.4	155-17.1	2.6	0.7	6	142	0.2	0.04	0.3	0.5	0.02	B
9	8	5	55.9	19-23.4	155-17.1	2.5		7	96	0.3	0.03	0.3	C.4	0.03	B
9	9	15	57.1	19-24.1	155-17.1?	2.1		7	135	1.3	0.04	0.4	0.2	0.04	B
9	9	31	21.0	19-24.0	155-16.6?	0.9	0.0	6	178	1.4	1.06	4.6	36.9	0.17	C
9	9	44	24.2	19-22.8	155-17.2	2.8	1.0	9	95	1.2	0.05	0.4	1.8	0.08	A
9	9	45	51.2	19-23.9	155-17.4	2.0	0.7	9	89	1.3	0.03	0.3	C.2	0.05	A
9	10	9	54.9	19-23.8	155-16.6?	0.9	0.0	7	171	1.1	0.26	1.9	8.9	0.16	C
9	10	32	44.7	19-23.5	155-17.2	2.3		6	139	0.5	0.02	0.2	C.3	0.02	B
9	10	54	0.6	19-20.8	155-22.4?	11.3	0.9	8	166	2.0	2.10	5.1	39.0	0.45	D
9	11	1	34.3	19-24.9	155-16.8?	2.8*		7	212	C.3	0.82	3.9		0.29	C
9	11	21	27.8	19-23.4	155-17.2?	2.0		7	147	0.4	0.08	0.5	0.3	0.06	B
9	11	25	54.C	19-24.2	155-16.7	1.3	1.7	16	88	1.4	0.05	0.3	C.2	0.09	B
9	11	53	29.0	19-22.9	155-17.4	2.3	0.9	8	110	1.2	0.04	0.2	C.1	0.03	A
9	12	17	16.2	19-22.9	155-17.3	3.1		9	95	1.1	0.08	0.3	1.0	0.04	A
9	12	26	59.8	19-23.8	155-16.8	3.6	2.0	15	72	0.9	0.07	0.3	C.7	0.10	B
9	12	59	42.6	19-24.2	155-17.3	2.8	1.2	9	91	1.1	0.12	0.5	1.0	0.07	A
9	13	6	56.1	18-24.8	155-29.1	8.0*	3.0	18	319	65.8	2.35	14.1		0.14	D
9	13	24	59.5	19-21.8	155-12.2	11.0	1.0	9	155	1.4	0.13	0.5	1.0	0.04	B
9	13	50	26.1	19-19.4	155-11.5	8.0*		14	224	5.9	0.16	1.0		0.11	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG	9	13	55	36.7	19-23.9	155-16.9	3.2	1.8	15	71	1.0	0.06	0.3	C.7	0.09	A
	9	14	3	8.6	19-23.2	155-17.1	2.3	0.8	8	86	0.4	0.02	0.2	C.4	0.03	A
	9	14	5	25.5	19-23.5	155-17.5	1.5	0.9	11	85	1.0	0.05	0.3	0.2	0.08	A
	9	14	18	48.3	19-23.9	155-18.1	1.3	1.1	13	59	1.7	0.05	0.2	C.2	0.09	A
	9	14	25	39.5	19-22.9	155-17.3	2.1	0.8	8	109	1.2	0.03	0.3	0.7	0.04	A
	9	14	25	50.9	19-25.0	155-16.9	1.4	2.5	18	74	0.3	0.09	0.5	C.3	0.16	B
	9	14	58	45.1	19-23.8	155-17.3	2.0		8	124	1.0	0.02	0.2	C.1	0.03	B
	9	15	12	31.4	19-32.2	155-12.2?	13.9*	1.9	7	336	15.8	3.87	30.5		0.63	D
	9	15	18	49.8	19-24.6	155-17.1?	3.3*		7	141	0.6	0.08	0.6		0.08	C
	9	15	59	6.2	19-20.2	155-18.7	4.2	1.5	13	92	2.3	0.15	0.6	1.8	0.11	B
	9	16	4	14.2	19-23.4	155-17.1	2.5		6	142	0.3	0.02	0.2	C.3	0.01	B
	9	16	15	50.9	19-25.6	155-16.7	2.1	0.5	10	126	1.5	0.08	0.4	C.2	0.07	B
	9	17	41	36.7	19-23.4	155-17.2	2.2		6	146	0.4	0.03	0.2	C.1	0.02	B
	9	18	2	58.1	19-13.1	155-10.1	8.2	2.8	19	198	16.5	0.23	1.3	2.5	0.12	C
	9	18	32	19.9	19-20.4	155- 8.4	9.4		13	161	4.0	0.10	0.8	1.4	0.10	C
	9	18	59	40.4	19-17.7	155-21.8	8.0*		10	247	5.4	0.24	1.4		0.08	D
	9	19	13	14.1	19-23.9	155-15.8	2.0	1.2	12	157	2.2	0.05	0.2	C.2	0.05	B
	9	19	45	4.6	19-20.3	155-18.6?	8.0*	1.9	9	271	6.1	0.57	21.4		0.75	D
	9	19	45	46.1	19-20.7	155-13.8	7.4		15	144	3.3	0.08	0.7	C.5	0.14	B
	9	19	46	45.1	19-24.5	155-16.9	1.1	0.7	10	135	0.8	0.06	0.4	C.3	0.10	B
	9	20	45	22.4	19-24.3	155-17.2?	C.4	0.4	9	129	0.9	0.09	0.4	C.2	0.10	B
	9	20	47	28.3	19-24.2	155-17.8	1.7	0.7	9	85	1.1	0.02	0.1	C.1	0.03	A
	9	20	53	31.7	19-25.7	155-16.8	2.0	0.8	12	127	1.6	0.08	0.4	0.2	0.09	B
	9	21	10	39.5	19-19.8	155-12.6	8.2		14	163	4.9	0.12	0.9	1.9	0.16	C
	9	21	17	30.3	19-23.3	155-14.5	1.5	1.0	11	110	2.9	0.12	0.6	C.6	0.13	B
	9	22	12	30.5	19-23.8	155-17.2	2.2	0.7	9	128	1.0	0.03	0.2	C.1	0.04	B
	9	22	22	24.0	19-28.9	155-15.7?	8.0*	1.5	8	321	7.2	0.30	4.7		0.38	D
	9	22	23	45.1	19-23.7	155-17.4	1.8	0.7	8	137	1.1	0.07	0.5	0.3	0.07	B
	9	23	43	28.4	19-20.6	155-25.3	8.0	1.8	17	130	3.5	0.12	0.8	C.6	0.16	B
	9	23	55	49.7	19-21.2	155-17.3	27.8		16	106	3.3	0.16	0.9	1.4	0.10	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 10	1	3	23.9	19-23.7	155-17.4	1.9	0.7	11	90	1.0	0.03	0.2	C.1	0.05	A
10	1	10	32.6	19-23.8	155-17.4	1.7	0.7	9	87	1.1	0.04	0.3	C.2	0.05	A
10	1	34	44.5	19-18.7	155-15.4	9.4		15	200	4.4	0.19	1.0	1.5	0.12	C
10	1	50	18.0	19-23.9	155-17.1	2.0		7	132	1.0	0.05	0.4	1.0	0.05	B
10	1	51	39.0	19-23.2	155-17.3	1.6		7	155	2.8	0.04	0.2	0.1	0.02	B
10	2	29	14.7	19-22.6	155-17.6	1.5		8	123	1.8	0.07	0.3	C.4	0.07	B
10	2	32	57.5	19-23.7	155-16.8	2.0	0.8	13	72	0.7	0.05	0.4	0.2	0.10	B
10	3	14	45.9	19-19.2	155-13.1	0.3	1.6	14	234	6.0	0.59	2.1	2.9	0.21	D
10	3	29	20.0	19-23.7	155-17.2	1.8	1.1	13	53	1.9	0.07	0.3	0.3	0.08	A
10	3	30	16.3	19-23.7	155-17.4?	2.0	0.6	7	137	1.1	0.04	0.2	C.3	0.05	B
10	3	33	11.3	19-23.9	155-17.2	2.0	0.7	8	125	1.0	0.02	0.2	C.1	0.03	B
10	3	46	50.1	19-23.7	155-26.2?	0.0	1.6	14	140	8.2	8.68	0.9	16.5	0.20	C
10	4	2	8.2	19-24.0	155-16.7	2.8	1.8	15	83	1.3	0.06	0.3	C.8	0.10	A
10	4	6	39.3	19-23.9	155-16.9	2.1	1.5	15	66	1.0	0.05	0.3	0.2	0.09	A
10	4	11	58.6	19-23.7	155-16.8	2.7	2.0	15	73	0.7	0.06	0.4	1.1	0.12	B
10	4	25	25.2	19-24.1	155-24.6	9.7	2.8	21	69	7.6	0.08	0.8	1.1	0.17	B
10	4	34	9.7	19-23.5	155-17.1	2.4		6	142	0.4	0.04	0.3	0.5	0.02	B
10	4	37	51.8	19-24.4	155-17.7	1.6	1.4	11	66	1.9	0.11	0.5	C.5	0.12	B
10	4	57	33.5	19-23.6	155-17.0	2.1		7	139	0.5	0.05	0.4	0.2	0.05	B
10	4	57	46.9	19-24.2	155-22.8	6.1	1.4	14	168	5.5	0.10	0.6	C.7	0.12	C
10	5	8	45.2	19-17.2	155-18.0	18.8		14	243	1.8	0.48	2.6	3.3	0.16	D
10	5	42	17.4	19-20.4	155-17.6	29.3		16	87	0.8	0.19	1.3	1.7	0.12	B
10	6	9	58.2	19-23.1	155-15.2	3.2	1.0	7	229	1.8	0.46	1.6	2.9	0.07	C
10	6	19	46.6	19-25.9	155-16.0?	3.2*	1.2	10	231	2.5	0.34	2.0		0.36	D
10	6	37	10.5	19-23.6	155-17.0	2.3		7	139	0.4	0.06	0.6	C.9	0.05	B
10	7	11	54.0	19-24.8	155-16.7	1.2	0.9	10	172	0.6	0.08	0.4	0.2	0.07	B
10	7	32	36.3	19-22.7	155-23.6	8.0*		11	190	4.7	0.09	0.7		0.09	C
10	7	43	33.1	19-24.2	155-16.0	1.2	1.1	11	169	2.2	0.18	0.7	0.6	0.15	C
10	8	12	26.3	19-20.5	155-14.1?	8.0*	3.0	6	302	9.9	2.09	12.7		0.88	D
10	8	15	59.6	19-21.1	155-18.8	2.1*		9	165	3.1	0.05	0.3		0.05	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 10	9	33	49.7	19-20.0	155-14.9	9.2	1.1	11	194	3.5	0.15	0.9	1.3	0.09	C
10	9	42	53.3	19-24.3	155-16.6	2.2	1.6	13	97	1.4	0.05	0.3	C.9	0.08	A
10	9	59	31.9	19-21.8	155-18.8	2.1*	1.1	12	82	3.9	0.04	0.3		0.09	B
10	10	23	39.8	19-24.0	155-17.2	2.1	0.8	9	96	1.2	0.03	0.3	C.1	0.05	A
10	10	32	27.9	19-26.0	155-24.3	8.0*	2.0	12	204	7.0	0.17	1.1		0.14	C
10	10	45	53.3	19-24.0	155-17.2	2.1		6	128	1.2	0.02	0.2	C.1	0.01	B
10	10	50	33.3	19-23.5	155-16.6	2.2	1.6	13	76	0.6	0.06	0.3	0.2	0.08	A
10	11	0	40.7	19-19.0	155-15.9	9.4	1.6	14	162	3.4	0.11	0.7	1.1	0.10	B
10	11	18	45.1	19-22.3	155-17.5	2.1*	1.0	12	111	2.3	0.06	0.5		0.12	B
10	11	23	1.7	19-23.5	155-17.1	2.6		7	140	0.4	0.04	0.3	0.4	0.03	B
10	11	30	30.9	19-23.0	155-16.8	2.2	0.8	12	103	0.7	0.08	0.4	C.3	0.09	B
10	11	32	56.5	19-23.8	155-17.2	1.8	0.6	10	129	0.8	0.03	0.3	0.2	0.06	B
10	11	41	57.9	19-21.8	155-16.3	3.4		7	128	1.3	0.09	0.4	C.9	0.05	B
10	11	54	3.8	19-33.0	155-12.2?	14.4*		7	337	17.1	4.15	33.6		0.67	D
10	12	22	32.5	19-23.9	155-16.8	3.3	2.1	16	72	0.9	0.06	0.4	0.8	0.11	B
10	12	31	11.9	19-23.7	155-17.0	2.2		7	138	0.6	0.05	0.5	C.2	0.05	B
10	12	31	11.9	19-23.7	155-16.9	2.2		7	146	0.7	0.05	0.5	0.2	0.05	B
10	12	37	53.1	19-24.1	155-17.0	2.1		8	147	1.3	0.04	0.4	C.2	0.05	B
10	12	39	16.9	19-23.8	155-16.6	1.9	2.5	18	69	1.0	0.09	0.6	C.4	0.18	B
10	12	40	45.9	19-23.4	155-17.8	1.3	0.6	7	154	1.4	0.07	0.3	0.5	0.05	B
10	12	41	12.8	19-23.8	155-17.3	1.9	1.2	11	96	1.0	0.04	0.3	C.2	0.06	A
10	12	55	11.4	19-23.6	155-17.3	1.7	0.6	8	104	0.7	0.06	0.4	C.4	0.09	A
10	13	4	57.7	19-23.6	155-14.9	3.1		7	174	2.8	0.10	0.4	1.6	0.03	B
10	13	20	41.8	19-23.8	155-17.0	2.5	0.7	8	139	0.7	0.03	0.2	C.4	0.02	B
10	13	27	51.3	19-23.6	155-17.0	1.8	1.0	12	105	0.3	0.06	0.5	C.3	0.12	B
10	13	40	50.3	19-23.9	155-17.2	2.2	0.6	8	131	1.0	0.01	0.1	0.0	0.01	B
10	14	9	9.6	19-27.2	155-16.3	5.6		7	307	3.9	2.75	10.0	7.5	0.14	D
10	14	10	41.0	19-23.7	155-17.2	1.3	0.9	7	128	1.9	0.03	0.2	0.3	0.04	B
10	14	24	20.1	19-24.1	155-14.9	0.8	0.9	10	192	3.6	0.13	0.5	0.5	0.10	C
10	15	24	33.7	19-14.1	155- 6.7	42.8	2.4	22	204	12.6	0.26	1.4	2.1	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 10	15	29	32.2	19-24.0	155-16.9	2.1	1.2	11	109	1.1	0.04	0.4	0.2	0.07	A
10	16	8	22.0	19-24.1	155-17.8	1.9	0.5	8	126	1.3	0.05	0.3	C.3	0.05	B
10	16	44	8.9	19-26.4	155-17.9?	2.5*		7	299	2.0	1.23	5.6		0.36	D
10	16	44	54.3	19-23.9	155-17.0	2.1	0.6	7	144	0.9	0.04	0.3	C.2	0.05	B
10	17	28	35.2	19-23.7	155-17.3?	2.1		7	132	0.9	0.06	0.5	C.2	0.05	B
10	17	41	59.5	19-24.1	155-14.8	1.6		8	193	3.7	0.06	0.2	C.2	0.02	B
10	18	28	54.1	19-23.9	155-17.3	2.0	0.6	8	122	1.2	0.02	0.2	C.1	0.03	B
10	18	36	6.3	19-23.4	155-17.1	2.1	0.7	9	99	0.3	0.04	0.3	0.2	0.05	A
10	18	54	0.2	19-23.8	155-17.9?	2.0	0.6	8	138	1.8	0.64	1.8	5.0	0.14	B
10	19	15	2.1	19-23.7	155-17.7	1.4	0.7	8	138	1.4	0.05	0.2	C.4	0.06	B
10	20	3	27.3	19-23.8	155-17.2	2.0	1.4	13	95	0.9	0.03	0.2	C.1	0.06	A
10	20	10	9.6	19-23.6	155-17.4	1.7	0.6	10	86	1.0	0.04	0.2	0.2	0.07	A
10	20	28	23.0	19-20.4	155-11.1	9.8		8	214	4.0	0.16	0.9	1.6	0.04	B
10	20	39	56.6	19-24.1	155-16.4	2.0	0.4	7	192	1.6	0.08	0.4	0.2	0.05	B
10	20	55	4.3	19-20.0	155-19.0?	6.8	1.5	13	103	2.9	0.21	0.6	1.7	0.11	B
10	21	20	3.5	19-24.1	155-17.3	1.9	1.1	10	123	1.3	0.04	0.4	C.2	0.06	B
10	21	20	41.1	19-23.7	155-16.4?	1.8	0.2	8	132	1.0	0.11	0.8	0.5	0.14	B
10	21	28	6.2	19-19.3	155-13.4	14.0	1.1	10	205	5.8	0.14	0.9	1.2	0.05	B
10	21	41	60.0	19-23.4	155-17.5?	0.6	0.9	10	100	0.9	0.14	0.8	C.9	0.20	B
10	22	8	1.8	19-23.9	155-16.1	2.2*	0.5	7	202	1.8	0.10	0.6		0.05	C
10	22	8	35.8	19-23.9	155-17.3?	2.0		7	205	1.2	0.01	0.1	0.0	0.01	C
10	22	18	10.3	19-23.7	155-17.6?	1.9*		6	139	1.3	0.13	0.6		0.06	C
10	22	31	33.1	19-18.8	155-16.7	31.4	1.8	23	143	2.6	0.15	0.9	1.4	0.13	B
10	22	35	26.3	19-23.9	155-17.1	2.0	1.1	10	106	1.0	0.03	0.3	C.1	0.05	A
10	22	40	4.9	19-18.3	155-17.4	27.9	2.0	19	166	2.3	0.19	1.2	1.8	0.12	C
10	22	44	41.7	19-23.9	155-16.7?	1.9	0.9	9	164	1.0	0.27	1.3	2.1	0.23	C
10	22	56	58.0	19-28.6	155-11.6	25.3	2.0	8	327	11.7	0.91	16.3	11.2	0.19	D
10	22	59	15.6	19-21.0	155- 8.6	5.3	1.5	17	152	3.0	0.12	0.9	C.9	0.19	C
10	23	39	14.6	19-23.4	155-17.6	1.4	0.5	8	152	1.2	0.09	0.4	C.6	0.10	B
10	23	43	9.0	19-25.4	155-17.2	6.4	2.0	14	168	0.7	0.11	0.5	C.7	0.09	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 10	23	52	28.2	19-25.6	155-11.9	13.4*	1.7	7	312	8.9	1.38	10.3		0.17	D
11	0	3	54.3	19-24.3	155-16.7	1.6	1.1	10	177	1.3	0.07	0.5	0.2	0.06	B
11	0	8	57.1	19-23.7	155-17.3	1.4	1.2	12	91	0.8	0.11	0.7	C.5	0.18	B
11	0	33	43.3	19-24.0	155-16.6	2.0	1.2	13	127	1.2	0.08	0.5	0.3	0.11	B
11	0	55	17.9	19-24.2	155-17.5	0.7	0.6	8	111	1.0	0.09	0.4	C.9	0.10	A
11	0	59	21.6	19-23.8	155-17.0	2.3		7	143	0.7	0.07	0.4	C.8	0.05	B
11	1	5	6.8	19-24.1	155-17.6	0.4	1.2	13	76	1.1	0.09	0.2	C.2	0.07	A
11	1	28	54.3	19-24.6	155-15.5?	0.0	1.5	12	170	2.7	0.33	0.6	C.6	0.13	C
11	1	44	59.8	19-25.0	155-17.9	4.2	1.0	10	163	0.9	0.15	0.5	C.8	0.04	B
11	1	54	15.4	19-24.1	155-15.5	1.4	1.4	9	180	2.9	0.08	0.4	0.3	0.06	B
11	2	5	31.6	19-25.6	155-17.7	5.0	0.5	7	270	0.3	0.37	1.2	1.7	0.03	C
11	2	13	59.1	19-23.9	155-16.0	2.9	1.1	11	151	1.9	0.08	0.4	1.2	0.07	B
11	2	25	10.3	19-28.8	155-14.4?	8.0*	1.9	10	270	8.4	0.93	10.6		0.65	D
11	2	36	34.9	19-23.7	155-17.1	2.3		7	136	0.6	0.05	0.4	C.2	0.04	B
11	2	44	26.9	19-24.1	155-16.5	1.9	0.9	10	145	1.5	0.03	0.2	C.1	0.05	B
11	2	48	11.8	19-21.3	155-19.4	2.4*	1.2	11	84	4.1	0.05	0.4		0.09	B
11	2	50	47.9	19-31.0	155-59.7	6.6	3.0	16	280	7.6	0.35	2.0	C.9	0.18	C
11	3	3	59.9	19-25.1	155-17.8	4.9	1.5	11	78	0.7	0.10	0.5	C.7	0.06	A
11	3	6	7.1	19-21.1	155-18.9	4.1	0.4	8	86	3.2	0.15	0.3	1.9	0.05	A
11	3	12	12.1	19-23.9	155-15.8	3.0		7	215	2.2	0.16	0.7	1.7	0.05	B
11	3	13	8.6	19-23.8	155-17.4?	2.1		7	132	1.2	0.04	0.2	C.3	0.04	B
11	3	19	52.6	19-23.8	155-17.1	2.4	1.7	14	96	0.8	0.06	0.3	C.8	0.09	A
11	3	41	11.8	19-24.7	155-17.3	2.0	0.6	9	80	0.4	0.15	0.7	1.0	0.07	A
11	3	44	24.4	19-23.4	155-17.2	1.9	0.7	8	98	0.4	0.04	0.3	0.2	0.05	A
11	3	48	52.8	19-24.1	155-16.1	1.7		8	208	2.0	0.11	0.5	C.3	0.06	B
11	4	22	14.9	19-23.7	155-17.1	3.6	2.9	18	73	0.6	0.06	0.5	0.6	0.17	B
11	4	43	46.1	19-23.8	155-17.1	2.0	0.7	7	137	0.8	0.05	0.4	0.2	0.06	B
11	5	27	19.6	19-24.0	155-17.8	1.8	0.3	8	129	1.5	0.07	0.4	0.3	0.06	B
11	5	48	1.9	19-20.6	155-18.0?	0.3	1.2	9	202	1.5	4.33	0.0	86.2	1.12	D
11	6	44	37.6	19-19.1	155-10.3	8.0*	1.0	10	253	5.7	0.20	1.1		0.07	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 11	6	49	52.8	19-24.2	155-17.8	1.8	0.7	9	117	1.0	0.04	0.2	0.2	0.05	A
11	6	57	30.9	19-28.5	155-16.7?	8.0*	1.2	8	319	6.0	0.31	3.7		0.36	D
11	7	24	48.1	19-28.0	155-15.6?	8.0*	1.8	8	315	5.9	0.20	3.9		0.31	D
11	7	27	43.0	19-28.0	155-15.4?	8.0*	2.8	8	315	6.1	0.22	4.1		0.37	D
11	7	29	58.0	19-29.6	155-16.3?	8.0*	1.7	8	324	8.1	0.48	4.8		0.37	D
11	7	32	55.1	19-28.7	155-17.5?	8.0*	1.6	9	301	6.0	0.48	4.6		0.41	D
11	7	42	22.6	19-24.0	155-15.4	1.2		7	235	3.0	0.20	0.7	0.5	0.07	C
11	7	46	33.8	19-28.4	155-16.0?	8.0*	1.2	8	318	6.2	0.28	3.7		0.35	D
11	7	51	28.9	19-24.2	155-17.6	2.0		8	115	1.0	0.07	0.5	0.4	0.09	A
11	8	35	47.4	19-24.3	155-17.6	2.6		5	106	0.7		0.0		0.02	D
11	8	47	44.8	19-24.5	155-16.7	4.2		8	193	0.9	0.48	1.6	2.5	0.08	C
11	8	48	22.2	19-24.3	155-15.8	2.2*		6	231	2.5	0.10	0.6		0.03	D
11	8	51	58.0	19-28.3	155-15.7?	8.0*	1.3	7	317	6.3	0.36	4.2		0.31	D
11	9	14	16.3	19-23.7	155-17.1	2.2		7	132	0.7	0.02	0.2	0.1	0.02	B
11	9	14	41.0	19-25.4	155-17.0	4.1		7	279	0.9	0.42	1.2	2.1	0.09	C
11	9	28	25.8	19-23.5	155-15.1	2.7	0.7	6	240	2.5	0.08	0.3	1.0	0.01	C
11	9	43	13.9	19-21.7	155-32.5	10.1	2.0	15	120	13.6	0.05	0.5	1.1	0.08	A
11	9	49	50.4	19-28.3	155-16.3?	5.0	1.4	8	317	5.9	1.18	7.4	10.0	0.26	D
11	9	54	54.6	19-24.2	155-16.4	3.1	0.7	7	194	1.6	0.06	0.3	0.5	0.02	B
11	10	0	37.2	19-37.8	155- 7.6	3.2*	1.8	6	346	28.8	1.02	8.4		0.13	D
11	10	36	9.7	19-23.8	155-17.5	1.7		8	135	1.2	0.05	0.3	0.3	0.07	B
11	10	44	2.1	19-21.9	155-23.9	6.9	1.6	8	201	3.3	0.37	2.1	3.5	0.13	C
11	10	48	32.1	19-20.4	155-16.9	8.0		7	165	1.1	0.13	0.6	1.1	0.03	B
11	10	53	27.2	19-24.1	155-16.0	1.9	0.7	8	166	2.1	0.06	0.3	0.2	0.05	B
11	11	30	1.6	19-24.2	155-17.2	1.0	0.4	8	126	1.1	0.08	0.4	0.7	0.11	B
11	11	36	8.7	19-25.2	155-17.6	4.6	1.1	8	172	1.0	0.10	0.5	0.6	0.04	B
11	13	56	38.1	19-16.5	155- 7.1	8.0*		8	241	9.6	0.74	5.1		0.25	D
11	14	7	57.3	19-23.8	155-15.9?	2.5	0.8	7	208	2.0	0.58	2.8	7.7	0.18	C
11	14	12	42.9	19-31.2	155-14.8?	8.5	1.6	7	331	12.3	0.83	7.3	11.1	0.12	D
11	15	20	29.7	19-24.2	155-17.8	1.8	0.7	9	86	1.0	0.03	0.2	0.2	0.06	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 11	15	28	32.4	19-22.1	155-21.8	9.1		7	134	4.4	0.52	2.3	5.6	0.15	C
11	15	30	56.4	19-24.2	155-16.4	2.0	0.7	7	194	1.6	0.10	0.5	0.3	0.05	B
11	15	35	47.3	19-24.3	155-17.8	1.7	0.4	7	118	1.0	0.07	0.3	0.4	0.06	B
11	15	36	22.5	19-25.4	155-17.7	4.5	0.8	7	260	1.4	0.35	1.2	1.4	0.02	C
11	16	14	38.4	19-29.5	155-14.6	14.1	1.7	8	325	9.2	0.81	7.6	6.6	0.17	D
11	16	24	7.4	19-24.1	155-15.5	4.7	1.8	11	176	2.9	0.18	0.7	1.3	0.10	B
11	16	26	2.2	19-23.6	155-17.0	2.4		6	140	0.5	0.01	0.1	0.1	0.00	B
11	16	34	7.6	19-22.7	155- 4.1	3.2	2.2	16	155	5.5	0.17	1.0	1.2	0.22	C
11	17	38	9.5	19-24.2	155-15.8?	1.3		6	224	2.4	0.24	1.3	5.0	0.09	C
11	18	5	37.9	19-25.2	155-17.7	4.5	1.2	10	83	0.5	0.06	0.3	0.4	0.04	A
11	18	22	53.4	19-25.4	155-17.6	4.6	1.0	9	95	0.1	0.04	0.2	0.3	0.02	A
11	18	26	45.0	19-27.2	155-17.8	12.6*		5	327	4.6	0.39	4.1		0.07	D
11	19	10	54.7	19-28.0	155-15.9?	8.0*	1.3	7	320	5.6	0.22	3.6		0.29	D
11	20	26	8.3	19-24.1	155-16.8	3.0	0.8	8	168	1.4	0.13	0.6	1.1	0.05	B
11	20	39	57.5	19-24.1	155-14.6	1.3		6	267	3.9	0.38	1.2	0.9	0.04	C
11	20	42	53.9	19-17.0	155-16.5	12.5		8	284	6.0	0.65	2.9	3.3	0.05	D
11	21	0	47.6	19-19.7	155-24.7	8.0*	2.4	8	190	11.5	0.38	3.8		0.29	C
11	21	2	6.2	19-20.4	155-17.2	29.3	2.1	20	122	0.7	0.10	0.6	1.0	0.08	B
11	21	4	19.6	19-22.7	155-10.2?	8.0*	1.6	7	320	9.1	1.42	11.0		0.38	D
11	21	16	39.9	19-23.7	155-16.9	2.4	0.7	7	143	0.6	0.03	0.3	0.4	0.02	B
11	21	23	45.7	19-23.8	155-17.1	2.1	0.6	7	132	0.8	0.03	0.3	0.1	0.04	B
11	21	28	4.6	19-23.3	155-17.2	2.2	0.6	6	151	0.5	0.07	0.5	0.2	0.03	B
11	21	33	44.2	19-23.6	155-14.7	4.2		6	257	3.1	0.31	1.0	1.7	0.03	C
11	21	37	14.4	19-19.6	155-19.7?	9.8*	1.6	6	317	8.4	6.15	31.1		0.07	D
11	21	53	6.1	19-23.8	155-17.8	7.8	1.5	6	138	1.6	0.71	0.9	4.1	0.03	B
11	21	56	12.4	19-23.7	155-17.2	14.3	1.7	11	57	0.8	0.08	0.6	0.8	0.06	A
11	22	16	10.0	19-25.5	155-17.5	4.9	1.1	7	196	0.2	0.10	0.4	0.6	0.02	B
11	22	24	3.2	19-24.2	155-16.0	2.1		7	216	2.2	0.12	0.6	0.3	0.05	B
11	22	25	13.6	19-25.3	155-15.9	1.9		8	218	2.1	0.04	0.2	0.1	0.02	B
11	22	46	24.4	19-22.1	155- 6.0	3.2	2.0	17	129	6.8	0.09	0.7	0.7	0.13	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 11	23	9	12.6	19-17.0	155-12.7	8.0*		8	260	10.0	0.26	1.5		0.06	D
11	23	29	26.9	19-25.6	155-17.5	7.6		7	278	0.4	0.47	2.1	1.9	0.09	C
11	23	40	53.5	19-21.4	155-18.3?	4.3*		5	287	4.3	1.28	6.3		0.10	D
11	23	45	24.2	19-25.3	155-19.9	12.0	1.5	8	233	2.9	1.63	5.5	11.0	0.16	D
11	23	57	38.2	19-24.1	155-17.7	2.0	0.4	6	125	1.2	0.07	0.6	C.4	0.05	B
12	0	6	10.6	19-24.0	155-17.2	2.0		7	130	1.2	0.04	0.4	C.2	0.05	B
12	0	7	43.6	19-24.3	155-17.9	1.7	0.4	9	83	1.1	0.04	0.2	0.2	0.06	A
12	0	15	20.9	19-24.3	155-16.3	2.0		8	208	1.7	0.07	0.4	C.2	0.04	B
12	0	20	29.9	19-24.9	155-17.3	16.1	1.6	7	141	1.2	0.20	1.1	1.7	0.04	B
12	0	25	16.8	19-23.5	155-17.0	3.0		6	157	0.3	0.23	1.3	2.3	0.10	C
12	0	26	54.6	19-22.4	155-20.3	C.1	1.1	9	150	2.7	0.53	0.9	1.0	0.11	B
12	0	27	39.4	19-24.1	155-15.9	1.9	1.1	13	160	2.2	0.10	0.5	C.3	0.10	C
12	0	30	42.9	19-23.3	155-15.1	2.2		9	234	2.2	0.21	1.0	2.5	0.09	C
12	0	31	50.2	19-14.2	155-20.0?	8.0*	2.2	14	231	11.8	1.51	9.9		0.98	D
12	0	33	33.6	19-24.2	155-16.4	2.1		7	194	1.6	0.04	0.3	C.1	0.02	B
12	0	36	52.9	19-23.7	155-14.8	3.0	1.0	8	184	3.2	0.07	0.3	1.3	0.03	B
12	0	42	49.3	19-24.1	155-17.5?	2.0		7	116	1.1	0.45	2.1	3.5	0.22	C
12	0	43	45.4	19-22.3	155-23.6?	8.2	1.6	11	190	4.0	0.32	0.8	2.6	0.09	C
12	0	47	22.3	19-23.7	155-14.8	1.5		8	183	3.1	0.05	0.2	C.2	0.04	B
12	0	54	47.4	19-27.3	155-13.9?	7.3		8	312	7.0	0.87	4.9	6.3	0.17	D
12	0	58	33.4	19-25.6	155-17.5	4.5	C.8	7	278	0.4	0.38	1.3	1.6	0.04	C
12	1	1	30.1	19-23.7	155-15.1	2.1		6	252	2.7	0.15	0.7	3.1	0.02	C
12	1	3	56.4	19-23.8	155-15.1	1.9	0.9	9	176	2.9	0.16	0.5	0.4	0.06	B
12	1	6	48.4	19-23.4	155-15.6	2.9		7	208	1.8	0.24	0.9	1.9	0.05	B
12	1	18	25.8	19-26.2	155-17.8	5.9		6	294	1.5	1.34	3.7	5.6	0.04	D
12	1	21	8.2	19-23.2	155-15.8	2.2		7	198	1.5	0.23	1.1	C.5	0.08	C
12	1	22	16.6	19-23.8	155-15.1	1.5	0.2	8	241	2.9	0.26	0.9	C.4	0.07	C
12	1	37	17.7	19-23.4	155-15.0	1.0	0.9	9	165	2.5	0.05	0.2	0.3	0.05	B
12	2	29	3.3	19-23.5	155-17.4	3.0		6	142	0.8	0.08	0.4	C.9	0.03	B
12	2	29	6.8	19-23.8	155-16.9	2.1	1.2	11	109	0.8	0.03	0.2	C.1	0.05	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 12	2	33	42.4	19-23.5	155-17.1	2.3	0.3	6	137	0.3	0.06	0.5	C.2	0.04	B
12	2	38	7.4	19-23.4	155-15.0	1.0	0.9	9	164	2.4	0.04	0.2	C.2	0.04	B
12	2	49	51.9	19-23.9	155-16.1	1.9	0.1	7	204	1.8	0.17	0.8	C.5	0.10	B
12	2	50	39.9	19-23.9	155-16.6	2.5	-0.0	6	173	1.2	0.11	0.7	1.4	0.05	B
12	2	52	17.0	19-20.9	155-12.8	14.2	1.2	6	193	4.7	0.27	0.9	2.0	0.02	B
12	2	52	31.9	19-24.1	155-16.4	1.8	0.6	8	192	1.7	0.11	0.7	C.3	0.08	B
12	3	4	4.8	19-24.2	155-16.3	1.9	0.6	9	161	1.9	0.06	0.4	C.2	0.06	B
12	3	26	33.8	19-24.1	155-14.4	1.2		7	271	4.1	0.20	0.6	C.3	0.03	C
12	3	53	11.0	19-21.3	155- 8.6	10.4	1.1	9	160	2.6	0.07	0.8	C.7	C.03	B
12	4	2	17.8	19-25.7	155-17.3	6.4	1.0	7	290	0.8	1.41	3.6	6.1	0.04	D
12	4	4	49.3	19-24.1	155-15.8	1.7	1.0	10	162	2.4	0.15	0.7	C.5	C.13	C
12	4	12	28.0	19-24.2	155-16.4?	1.1		7	193	1.7	0.44	2.1	9.3	0.16	C
12	4	13	11.8	19-23.5	155-16.6	2.8	0.1	7	160	0.7	0.04	0.3	C.4	0.02	B
12	4	20	25.8	19-23.2	155-14.8?	C.6	2.6	17	86	2.4	0.32	0.5	C.6	0.14	B
12	4	22	58.6	19-23.3	155-15.C	1.1	1.6	11	152	2.2	0.04	0.2	C.2	0.05	B
12	4	24	52.6	19-23.6	155-15.5	1.2	-0.0	8	161	2.3	0.13	0.6	C.5	0.10	B
12	4	29	17.3	19-23.7	155-17.6	1.6	0.5	8	139	1.3	0.04	0.2	C.3	0.04	B
12	4	29	47.3	19-24.0	155-17.4?	0.9		8	119	1.3	0.24	0.8	2.6	0.15	B
12	5	8	24.1	19-24.1	155-16.4	2.0	0.6	8	192	1.7	0.12	0.6	C.3	0.07	B
12	5	9	54.4	19-23.7	155-17.3	2.0	0.6	8	122	0.9	0.02	0.2	C.1	0.03	B
12	5	18	27.0	19-23.5	155-16.8	3.6		7	147	0.3	0.11	0.4	C.9	0.04	B
12	5	37	59.6	19-20.6	155- 7.4?	7.4	1.5	17	160	5.0	4.51	2.0	8.4	0.43	D
12	5	38	36.6	19-24.0	155-16.6	1.5	1.2	9	139	1.4	0.04	0.3	C.2	0.06	B
12	5	46	33.3	19-24.9	155-17.9	3.5		8	153	0.8	0.26	0.9	1.6	0.05	B
12	5	57	20.7	19-24.3	155-16.6?	0.3	C.9	12	138	1.4	0.88	0.4	1.8	0.12	B
12	6	2	34.2	19-24.0	155-16.5	1.8	0.6	10	135	1.4	0.06	0.5	C.3	0.10	B
12	6	14	52.5	19-23.6	155-16.7	2.2	0.7	6	157	0.6	0.07	0.6	C.3	0.03	B
12	6	15	10.2	19-24.6	155-16.1	2.5	0.7	8	196	1.7	0.23	0.9	1.8	0.08	B
12	6	30	12.6	19-23.8	155-16.4	2.2		7	179	1.2	0.11	0.7	C.4	0.08	B
12	6	30	59.1	19-19.8	155-13.0	2.4	1.8	16	217	6.7	0.35	1.6	1.6	C.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 12	6	53	29.7	19-24.1	155-16.6?	C.9		8	139	1.4	0.27	0.6	C.6	0.17	B
12	7	1	26.1	19-22.9	155-17.3	3.0	0.9	7	106	1.1	0.04	0.2	0.5	0.02	B
12	7	23	14.3	19-23.9	155-14.8	1.3		8	255	3.5	0.22	0.7	C.4	0.06	C
12	8	12	42.1	19-23.6	155-16.9	2.6		7	142	0.4	0.05	0.4	C.6	0.04	B
12	9	6	17.8	19-23.2	155-16.6	3.7	2.6	16	73	0.7	0.06	0.5	C.7	0.13	B
12	9	28	52.8	19-25.0	155-18.0	4.3	1.3	11	86	1.0	0.07	0.3	C.6	0.04	A
12	9	35	14.3	19-23.8	155-15.0	2.8	0.7	7	181	3.0	0.10	0.4	2.7	0.04	C
12	9	44	14.9	19-23.4	155-15.2	C.7	0.9	10	153	2.2	1.09	0.5	2.3	0.14	C
12	9	45	8.7	19-24.1	155-16.7	2.5	1.1	11	126	1.3	0.08	0.4	1.0	0.08	B
12	9	48	41.3	19-22.5	155-15.3	2.6	1.0	8	126	1.1	0.16	1.1	2.9	0.11	B
12	10	8	52.8	19-24.5	155-15.3	2.1*		7	246	3.0	0.13	0.6		0.04	D
12	10	17	54.6	19-23.4	155-15.1	0.9	0.9	11	155	2.4	0.07	0.3	C.3	0.08	C
12	10	55	57.5	19-23.4	155-16.2	17.1	1.6	11	128	1.2	0.11	0.7	1.1	0.06	B
12	11	28	3.8	19-24.4	155-15.4	2.6	0.9	7	250	2.9	0.09	0.4	C.9	0.01	C
12	11	51	47.8	19-17.6	155-16.6?	17.2*		7	318	8.1	3.17	34.4		0.57	D
12	12	44	13.5	19-23.6	155-16.5	2.8		8	122	0.8	0.03	0.2	C.4	0.03	B
12	12	59	17.7	19-24.3	155-16.2	2.1	0.6	8	170	1.7	0.09	0.5	0.4	0.06	B
12	13	31	46.3	19-24.3	155-16.0	5.8	1.0	8	173	2.1	0.62	1.7	4.1	0.15	C
12	13	32	12.6	19-23.8	155-16.1	3.0	0.9	9	196	1.6	0.20	0.9	1.8	0.11	C
12	14	41	41.9	19-24.0	155-15.3	5.4	1.2	11	165	3.0	0.29	1.1	2.5	0.16	C
12	14	45	49.1	19-23.9	155-16.7	2.2		9	128	1.0	0.15	0.8	C.5	0.11	B
12	14	56	17.2	19-23.5	155-16.9	4.2	0.6	9	144	0.3	0.30	0.9	2.1	0.10	B
12	15	18	47.7	19-23.7	155-15.1	2.2*	1.0	10	162	2.8	0.04	0.3		0.07	C
12	15	34	54.9	19-24.1	155-17.9	1.5	0.6	6	128	1.3	0.15	0.3	1.4	0.04	B
12	15	42	25.4	19-24.0	155-18.2	1.8	C.7	9	124	1.8	0.07	0.5	C.4	0.10	B
12	16	8	14.7	19-24.2	155-16.1	2.0	0.5	7	167	2.0	0.02	0.1	C.1	0.02	B
12	16	9	24.2	19-23.8	155-16.6	2.7	0.3	6	170	1.1	0.09	0.5	1.0	0.03	B
12	16	14	4.5	19-22.9	155-16.5	1.3		7	112	1.1	0.11	0.7	C.7	0.13	B
12	16	14	39.4	19-23.9	155-15.1	3.3		9	182	3.2	0.25	0.9	3.6	0.12	C
12	16	28	58.3	19-24.1	155-15.9	1.6	0.7	7	217	2.2	0.17	0.8	C.4	0.07	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 12	16	41	2.5	19-20.8	155-14.3	12.4	1.2	8	184	2.6	0.13	0.7	1.1	0.03	B
12	16	42	29.0	19-25.5	155-14.6?	3.2*		8	284	4.4	0.84	3.8		0.29	D
12	18	40	13.1	19-24.1	155-17.9	1.8	0.8	10	81	1.4	0.08	0.5	C.4	0.14	B
12	18	44	9.6	19-23.4	155-14.9	4.3	0.9	10	166	2.5	0.25	0.8	2.1	0.12	C
12	18	59	9.8	19-23.7	155-15.0	5.1	1.6	11	164	2.9	0.15	0.5	1.2	0.07	B
12	20	2	9.4	19-25.4	155-17.7	4.1	0.6	8	146	0.2	0.07	0.3	C.4	0.03	B
12	20	42	26.9	19-20.4	155-12.1	12.0	1.4	10	213	3.8	0.16	0.7	1.2	0.04	B
12	20	53	19.7	19-18.7	155-13.7?	7.4	2.4	18	177	6.4	0.15	1.0	C.6	0.17	C
12	20	59	25.9	19-24.8	155-17.4	3.5	0.6	7	89	0.3	0.30	1.4	2.1	0.12	B
12	21	13	20.2	19-24.2	155-17.6	1.8	0.8	10	98	1.0	0.02	0.2	C.1	0.04	A
12	21	33	34.7	19-14.9	155-10.4	7.6	2.1	16	215	13.3	0.16	0.9	C.5	0.10	C
12	21	34	39.4	19-23.7	155-15.1	1.3	0.3	8	174	2.9	0.10	0.4	0.4	0.06	B
12	21	34	55.7	19-24.6	155-16.4	1.9	0.4	9	176	1.2	0.06	0.4	0.2	0.06	B
12	21	42	19.6	19-25.2	155-17.7	4.8	1.1	9	88	0.4	0.05	0.2	C.3	0.02	A
12	22	0	35.6	19-17.2	155-13.2?	0.0	2.2	18	189	9.0	7.15	1.4	13.4	0.25	C
12	22	9	26.9	19-23.8	155-17.0	1.7	0.7	8	110	0.8	0.10	0.8	C.5	0.14	B
12	22	32	21.8	19-25.0	155-17.6	3.7	0.2	6	119	0.6	0.37	1.1	2.2	0.04	B
12	22	34	16.3	19-23.4	155-16.1	1.5	0.3	9	136	1.5	0.12	0.7	C.5	0.15	B
12	22	36	5.1	19-24.0	155-15.0?	1.0		10	171	3.3	0.11	0.5	C.4	0.11	C
12	23	10	39.2	19-23.6	155-15.5	1.5		9	158	2.2	0.10	0.5	C.4	0.09	B
12	23	20	31.9	19-23.1	155-17.7?	2.3		7	170	1.5	1.94	5.3	5.8	0.21	D
12	23	43	35.4	19-24.3	155-17.3	2.8	0.1	6	125	0.9	0.05	0.2	0.4	0.01	B
12	23	47	24.2	19-24.5	155-18.0	2.1	0.7	9	76	0.9	0.04	0.3	C.8	0.04	A
12	23	55	34.6	19-23.6	155-16.0	2.6	-0.1	7	194	1.6	0.12	0.7	1.5	0.05	B
13	0	1	2.7	19-24.1	155-16.5	2.0	0.0	7	185	1.5	0.06	0.5	6.2	0.06	C
13	0	1	26.9	19-24.3	155-16.2	2.0	0.6	7	210	1.8	0.05	0.3	0.1	0.02	B
13	0	12	58.3	19-23.7	155-14.7	1.5	0.5	9	180	3.2	0.10	0.4	C.4	0.07	B
13	0	22	31.4	19-23.6	155-14.8	2.2*		8	177	2.9	0.05	0.3		0.05	C
13	0	54	8.4	19-23.5	155-17.0	2.3	0.5	8	137	0.3	0.05	0.4	0.8	0.05	B
13	0	54	40.3	19-23.5	155-14.7	1.3	0.8	9	175	3.0	0.11	0.5	C.4	0.09	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 13	1	13	38.0	19-23.7	155-14.6	1.8		9	183	3.3	0.25	0.7	C.7	0.09	B
13	1	15	0.7	19-23.6	155-14.7	1.6	0.6	8	176	3.0	0.06	0.3	C.3	0.04	B
13	1	15	42.6	19-23.1	155-14.7	6.4	2.0	14	150	2.4	0.06	0.4	C.5	C.08	B
13	1	16	42.7	19-23.1	155-14.5	1.8		7	164	2.7	0.09	0.5	0.4	0.05	B
13	1	17	6.8	19-22.9	155-14.8	4.5		10	150	2.2	0.24	0.8	1.9	0.11	B
13	1	18	23.3	19-23.3	155-14.9	5.1	1.4	11	155	2.4	0.18	0.7	1.6	0.10	C
13	1	20	6.5	19-23.8	155-14.7	1.2		8	187	3.3	0.06	0.3	C.2	0.05	B
13	1	20	23.1	19-23.6	155-14.8	1.5	0.0	8	176	2.9	0.08	0.3	0.2	0.03	B
13	1	20	44.1	19-23.4	155-14.7	1.8	C.6	10	158	2.7	0.10	0.3	C.3	0.06	B
13	1	21	27.1	19-23.7	155-14.6	1.3	0.3	8	186	3.3	0.09	0.4	0.3	0.06	B
13	1	24	31.4	19-23.3	155-15.1	4.7	1.2	11	151	2.2	0.16	0.6	1.4	0.09	C
13	1	27	21.3	19-23.4	155-15.3	3.8	1.2	11	150	2.1	0.12	0.5	1.3	0.10	B
13	1	29	36.4	19-23.7	155-14.8	1.0	1.1	10	165	3.1	0.08	0.3	C.3	0.09	B
13	1	31	40.9	19-23.6	155-14.8	1.0		8	166	3.0	0.08	0.3	C.4	0.08	B
13	1	31	54.1	19-23.6	155-14.8	C.8	0.7	10	164	3.0	0.09	0.4	C.4	0.09	B
13	1	37	13.3	19-23.4	155-14.9	1.6		8	166	2.5	0.35	1.3	1.3	0.11	C
13	1	43	12.8	19-23.5	155-14.9	1.6	0.5	8	246	2.7	0.35	1.1	C.7	0.07	C
13	1	44	23.1	19-20.2	155-19.7	2.4*		11	175	4.0	0.09	0.5		0.09	C
13	1	53	22.4	19-23.9	155-16.0?	2.2*		7	203	1.8	0.09	0.6		0.07	C
13	1	59	39.4	19-23.7	155-16.1?	1.2		7	193	1.6	0.14	0.8	0.5	0.10	C
13	2	3	25.4	19-23.9	155-16.4	0.8*	0.3	8	184	1.3	0.14	0.6		0.15	C
13	2	8	22.3	19-23.7	155-14.9	1.0	0.9	10	165	3.0	0.08	0.3	0.4	0.09	B
13	2	10	15.0	19-22.8	155-22.0	4.9		9	144	4.3	0.16	0.5	2.1	0.08	B
13	2	11	59.5	19-25.2	155-17.5	4.2	1.0	9	136	0.4	0.08	0.4	0.5	0.04	B
13	2	24	25.4	19-23.8	155-16.9	2.7	0.7	6	146	0.7	0.02	0.1	C.2	0.01	B
13	2	45	58.6	19-19.1	155-11.2	9.9	1.7	13	251	6.0	0.26	1.3	1.7	0.07	C
13	3	6	22.7	19-23.4	155-14.7	1.8	0.3	9	170	2.8	0.19	0.7	C.6	0.09	B
13	3	39	46.9	19-23.5	155-14.7	1.4	0.7	9	175	2.9	0.11	0.5	C.4	0.09	C
13	4	6	28.0	19-24.0	155-17.2?	2.1		8	127	1.2	0.05	0.4	0.2	0.08	B
13	4	24	24.3	19-22.8	155-37.5?	8.0*		6	349	35.2	7.2C	0.0		1.39	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 13	4	37	15.1	19-24.1	155-16.3	1.7	1.1	11	146	1.7	0.05	0.3	C.2	0.07	B
13	4	59	13.1	19-24.3	155-14.2	1.1	0.8	7	281	4.6	0.38	1.0	0.6	0.05	C
13	5	31	0.2	19-24.1	155-16.3	1.9	0.7	9	147	1.7	0.05	0.3	C.2	0.06	B
13	6	2	47.0	19-23.7	155-16.9	2.4	0.6	7	143	0.5	0.08	0.6	1.0	0.05	B
13	6	46	59.4	19-23.7	155-16.8	2.2	0.3	7	149	0.6	0.02	0.2	C.4	0.03	B
13	6	53	47.4	19-23.1	155-14.7	4.6	1.8	12	152	2.4	0.13	0.6	1.2	0.08	C
13	6	55	41.7	19-23.7	155-14.2	2.5*	0.9	7	275	3.8	0.37	1.6		0.05	D
13	6	56	14.7	19-19.2	155-16.1?	5.6	0.9	8	259	2.8	1.44	4.5	7.2	0.23	D
13	7	13	13.8	19-24.6	155-20.5?	8.0*		7	314	5.3	0.71	6.3		0.29	D
13	7	24	56.3	19-23.6	155-17.3	1.9	1.4	13	88	0.8	0.07	0.4	C.3	0.10	B
13	8	2	51.0	19-23.3	155-17.9?	C.9	0.6	8	165	1.8	0.27	1.6	21.6	0.24	C
13	8	12	15.4	19-27.3	155-17.6	7.6	1.2	9	276	3.5	0.21	1.2	C.4	0.06	C
13	8	20	45.8	19-24.2	155-17.4	C.6	0.6	11	85	1.0	0.08	0.3	C.2	0.10	B
13	8	47	1.1	19-23.9	155-17.3	2.1		8	120	1.1	0.04	0.4	C.3	0.06	A
13	10	0	45.2	19-23.9	155-16.4?	2.2*		7	181	1.3	0.11	0.7		0.07	C
13	10	39	28.8	19-23.4	155-16.8	5.7		7	112	0.2	0.26	C.8	1.7	0.05	B
13	11	21	31.7	19-24.5	155-17.4	2.3		8	99	0.4	0.08	0.5	1.0	0.06	A
13	11	41	34.9	19-24.0	155-17.4	2.C		7	121	1.3	0.06	0.5	C.3	0.05	B
13	11	46	20.6	19-23.6	155-14.6	0.8		8	168	3.1	0.08	0.3	C.4	0.07	B
13	12	9	26.9	19-23.8	155-16.7	2.4		7	159	0.9	0.03	0.3	C.4	0.02	B
13	13	25	58.8	19-42.6	156- 6.5?	18.7*	2.9	24	247	28.4	0.44	3.3		0.32	D
13	13	55	53.9	19-23.8	155-17.0	2.0	1.8	16	63	0.7	0.08	0.4	0.3	0.12	B
13	14	28	29.2	19- 9.8	155-45.2	4.9	2.2	12	229	17.0	0.53	3.2	1.6	0.18	D
13	15	23	56.5	19-20.1	155- 9.2	5.9	1.7	15	165	3.9	0.13	1.1	C.8	0.18	C
13	17	1	31.7	19-23.6	155-11.1	26.3	2.2	20	108	3.5	0.15	1.0	1.5	0.13	B
13	17	12	40.8	19-24.3	155-15.4	1.8	0.8	8	248	3.1	0.11	0.4	C.2	0.03	C
13	19	29	43.9	19-23.8	155-15.3	1.5	0.2	8	172	2.8	0.11	0.4	0.3	0.06	B
13	19	50	51.6	19-18.2	155-13.9	5.2	1.6	16	187	7.1	0.17	1.0	C.9	0.17	C
13	20	14	8.4	19-23.2	155-14.9	2.0	1.0	11	153	2.4	0.11	0.4	0.4	0.08	B
13	20	47	11.2	19-10.5	155-19.2	31.5	2.3	12	202	13.8	0.39	2.1	4.2	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 13	20	52	46.9	19-12.4	155-18.9	41.0	2.4	19	214	10.2	0.33	1.6	2.5	0.10	C
13	20	53	52.7	19-11.5	155-19.7?	55.2	2.7	20	175	12.1	1.03	4.2	8.9	0.32	D
13	20	54	55.9	19-24.8	155-17.5	4.7		10	86	0.2	0.19	0.8	1.3	0.09	A
13	20	59	55.9	19-23.1	155-16.6	2.5		8	116	0.8	0.09	0.8	1.7	0.10	B
13	21	1	49.8	19-24.3	155-15.3	C.9	0.8	11	174	3.2	0.20	0.7	C.8	0.13	C
13	21	9	42.6	19-23.5	155-14.7	1.4	0.0	8	177	3.0	0.09	0.4	0.4	0.06	B
13	21	17	26.7	19-12.0	155-32.8?	4.1		14	141	9.3	0.24	1.6	2.2	0.17	B
13	21	33	6.8	19-24.1	155-16.9?	2.1	-0.2	10	120	1.2	0.06	0.6	C.3	0.11	B
13	21	54	56.0	19-23.5	155-14.8	1.4	0.5	10	173	2.8	0.11	0.4	0.4	0.09	C
13	22	14	12.2	19-21.8	155-16.1	4.6		8	124	1.1	0.33	1.1	2.4	0.12	B
13	22	20	1.9	19-23.6	155-14.7	1.2		9	176	3.0	0.11	0.5	0.5	0.10	C
13	22	25	28.5	19-22.4	155-28.9?	7.4	2.1	18	89	10.6	0.12	0.8	C.9	0.20	B
13	22	29	3.5	19-23.4	155-14.8	2.1*		9	169	2.7	0.05	0.3		0.05	C
13	22	34	48.6	19-23.3	155-15.1	2.3*	1.0	11	151	2.2	0.06	0.4		0.10	C
13	22	36	51.5	19-24.3	155-17.3	0.8	0.7	12	84	0.8	0.06	0.3	C.3	0.09	A
13	22	42	6.1	19-23.5	155-14.7	1.4		9	171	2.8	0.09	0.4	C.4	0.08	B
13	22	45	29.2	19-24.1	155-17.9	1.6		8	122	1.2	0.07	0.5	C.4	0.07	B
13	23	2	9.1	19-23.5	155-17.1	2.5	0.5	6	141	0.4	0.03	0.2	C.4	0.02	B
13	23	7	56.7	19-24.1	155-18.0	1.7		8	125	1.4	0.05	0.4	C.3	0.07	B
13	23	22	46.0	19-18.0	155- 6.7	8.0*	1.7	11	257	9.3	0.56	3.3		0.19	D
13	23	49	49.3	19-23.9	155-15.8	3.4	1.2	12	157	2.2	0.10	0.4	1.0	0.08	B
13	23	53	24.3	19-23.4	155-14.7	1.5		9	173	2.9	0.10	0.5	0.4	0.08	B
14	0	42	27.1	19-23.7	155-14.8	C.9	C.9	11	166	3.1	0.08	0.3	C.3	0.10	B
14	1	24	4.6	19-24.0	155-14.7	0.9	0.9	11	175	3.6	0.13	0.5	C.6	0.11	C
14	1	24	31.6	19-18.4	155-14.6	5.9	1.6	14	210	5.9	0.20	1.2	0.8	0.18	C
14	1	29	40.4	19-18.9	155-17.7	6.2		13	157	2.3	0.18	1.2	1.0	0.21	C
14	1	32	29.8	19-23.9	155-14.8?	C.8	0.9	11	172	3.4	0.15	0.6	0.6	0.14	C
14	1	52	44.3	19-23.5	155-15.6?	1.4	0.3	9	148	2.2	0.11	0.5	C.5	0.12	B
14	2	1	1.9	19-23.6	155-17.1?	2.3		7	134	0.5	0.06	0.4	0.2	0.05	B
14	2	47	4.7	19-24.1	155-15.8	1.7	1.2	15	112	2.4	0.14	0.6	C.5	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 14	2	58	34.1	19-23.9	155-16.6	1.9	0.6	11	125	1.1	0.06	0.4	C.3	0.10	B
14	3	46	39.9	19-24.3	155-16.4	2.0	0.6	10	150	1.6	0.05	0.4	C.2	0.05	B
14	4	3	50.7	19-23.3	155-17.2	2.3		9	68	0.5	0.06	0.3	C.2	0.06	A
14	4	20	13.3	19-24.3	155-17.7	1.1	1.1	12	92	0.8	0.07	0.4	0.4	0.12	B
14	4	23	55.0	19-23.5	155-14.8	5.1	1.6	15	109	2.8	0.10	0.5	1.1	0.12	B
14	4	27	29.5	19-23.3	155-16.2	1.5	0.5	9	127	1.4	0.11	0.8	C.5	0.17	B
14	4	40	33.9	19-24.0	155-17.6	1.7	1.2	13	70	1.3	0.06	0.4	C.3	0.11	B
14	4	49	29.5	19-17.8	155-13.8	8.0*	0.8	8	231	7.6	0.19	1.2		0.09	D
14	4	51	15.4	19-23.9	155-17.1	1.9	1.1	13	99	0.9	0.04	0.3	0.2	0.07	A
14	5	19	32.9	19-18.8	155-15.4	11.9		9	197	4.2	0.20	0.9	1.6	0.06	B
14	5	23	3.2	19-23.4	155-14.4	C.9		7	164	3.1	0.11	0.4	0.6	0.07	B
14	5	25	52.4	19-23.4	155-17.1	2.4		8	92	0.3	0.04	0.3	C.5	0.04	A
14	5	34	55.9	19-23.7	155-14.8	1.0		11	167	3.1	0.08	0.3	C.3	0.10	B
14	5	53	41.5	19-24.2	155-16.1	1.8		8	209	2.0	0.09	0.4	C.2	0.05	B
14	6	36	38.3	19-19.1	155-14.1	8.0*		15	191	5.4	0.14	1.0		0.17	C
14	6	44	4.6	19-24.0	155-14.8	1.1	1.5	16	70	3.5	0.12	0.5	C.5	0.15	B
14	7	11	25.1	19-22.3	155-27.3?	0.0	2.0	17	112	8.1	5.81	0.8	11.0	0.21	B
14	7	24	49.2	19-23.9	155-14.9	4.8		10	185	3.2	0.22	0.7	1.4	0.07	B
14	7	29	35.6	19-22.8	155-14.8	3.3	1.1	12	142	2.0	0.09	0.5	1.1	0.09	B
14	7	44	30.7	19-23.6	155-25.5?	9.3	2.0	17	84	7.3	0.06	0.5	1.8	0.12	B
14	7	50	29.1	19-21.8	155-19.6?	8.0*		6	305	5.5	1.05	12.4		0.38	D
14	7	50	58.8	19-19.0	155-16.8?	8.0*		6	326	5.8	2.76	22.5		0.63	D
14	7	52	26.1	19-23.8	155-17.1	1.6		7	136	2.1	0.05	0.4	C.4	0.04	B
14	7	57	32.2	19-24.0	155-16.3	1.5	1.3	13	101	1.7	0.10	0.5	C.4	0.16	B
14	8	1	34.6	19-23.7	155-16.7	1.7		9	116	2.3	0.10	0.4	0.5	0.06	A
14	8	4	32.4	19-23.5	155-17.2?	2.3		13	95	0.4	0.08	0.5	1.1	0.13	B
14	8	5	58.1	19-24.0	155-16.4	2.1	1.3	12	137	1.4	0.10	0.5	C.4	0.11	B
14	8	7	41.3	19-23.9	155-17.3	1.8		10	120	1.2	0.04	0.3	0.2	0.07	A
14	8	9	8.1	19-24.0	155-17.2?	2.1		8	129	1.5	0.10	0.7	C.5	0.10	B
14	8	9	35.0	19-23.7	155-16.8	2.5*		7	133	3.5	0.11	0.8		0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 14	8	21	48.1	19-23.5	155-15.2?	3.1		13	97	2.4	0.17	1.6	2.1	0.36	C
14	8	25	24.9	19-24.0	155-17.8	6.9		7	187	1.4	0.29	3.0	1.3	0.13	C
14	8	27	37.1	19-16.2	155-14.9?	8.0*		13	194	8.4	0.95	7.4		1.28	D
14	8	41	41.3	19-24.3	155-16.6	1.6		9	98	1.4	0.16	0.9	C.7	0.20	B
14	8	43	28.9	19-24.4	155-16.3	1.3		7	170	1.5	0.21	1.1	C.7	0.13	C
14	8	46	35.0	19-23.6	155-12.1?	8.0*		6	266	7.0	0.95	10.0		0.96	D
14	8	50	24.6	19-24.5	155-16.1	1.4		9	130	1.8	0.17	0.8	C.8	0.17	B
14	8	50	56.4	19-26.7	155-16.4	3.2		6	274	3.5	0.62	2.7	3.6	0.07	D
14	8	51	47.5	19-23.8	155-17.3?	0.3		8	123	1.8	0.53	0.8	1.2	0.19	C
14	8	52	25.1	19-24.2	155-15.7?	0.0		15	71	2.6	0.64	1.0	1.2	0.28	C
14	8	53	37.1	19-24.6	155-16.9?	1.9		8	127	0.6	0.07	0.7	C.5	0.08	B
14	8	55	16.9	19-23.6	155-17.6?	0.0		9	104	2.1	0.42	0.6	1.0	0.16	B
14	20	52	1.3	19-23.9	155-16.5?	1.8		8	176	1.2	0.13	0.9	C.4	0.11	C
15	1	22	40.7	19-14.0	155-22.2?	0.0		20	156	9.6	7.63	1.4	14.4	0.28	D
15	2	30	2.8	19-19.9	155-14.3?	10.3		10	179	3.9	0.17	1.5	2.4	0.13	C
15	4	5	46.3	19-22.6	155-27.7	6.7	2.3	19	86	8.9	0.13	0.8	C.9	0.21	B
15	4	46	46.3	19-24.0	155-17.0?	1.4		8	145	1.2	0.09	0.7	0.5	0.13	B
15	7	52	44.3	19-17.8	155-12.9	8.0*		9	270	8.6	0.58	3.2		0.13	D
15	10	18	31.0	19-22.0	155-24.5?	8.9	1.6	8	219	3.9	0.47	1.4	3.3	0.10	C
15	12	1	20.8	19-19.4	155-15.8	11.7	1.6	8	177	3.1	0.09	0.4	0.8	0.03	B-
15	13	57	2.0	19-21.4	155-29.6	4.6	1.9	16	96	11.2	0.10	0.7	C.8	0.17	B
15	15	36	7.9	19-19.3	155-15.2?	42.3	4.9	28	142	4.2	0.20	1.8	1.4	0.28	C
15	15	48	20.9	19-20.0	155-16.3	30.8	2.6	25	136	1.9	0.11	0.7	1.0	0.10	B
15	15	52	34.4	19-19.6	155-17.2	26.4		14	149	1.0	0.27	1.4	2.3	0.12	B
15	15	57	56.1	19-27.5	155-19.2	8.0*		8	163	8.3	0.20	1.6		0.19	C
15	15	58	18.2	19-19.9	155-16.5	27.2		11	136	1.6	0.23	1.1	2.3	0.10	B
15	16	8	52.8	19-19.2	155-16.6	28.9	2.1	16	150	2.1	0.26	1.3	2.3	0.11	B
15	16	15	11.9	19-20.1	155-16.5	28.4		18	133	1.5	0.23	1.4	2.3	0.16	C
15	16	16	22.4	19-19.1	155-16.6	29.4		17	154	2.4	0.25	1.3	2.2	0.12	C
15	17	17	27.0	19-25.3	155-23.9	21.8	1.9	15	77	7.0	0.10	0.7	1.2	0.10	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 15	18	36	18.0	19-19.6	155-16.5	30.9		21	138	1.8	0.11	0.6	1.1	0.08	B
15	21	31	58.5	19-20.1	155-17.1	27.4	1.5	11	124	0.6	0.20	1.0	1.9	0.08	B
15	22	18	37.4	19-18.9	155-11.6?	8.5	3.9	24	150	6.7	0.53	4.7	10.1	0.52	C
15	22	47	29.2	19-18.3	155-13.1	8.0*	1.1	11	185	7.5	0.09	0.7		0.09	C
15	22	58	40.4	19-18.4	155-13.1	8.0*	1.2	9	225	7.3	0.20	1.3		0.10	C
15	23	28	46.8	19-18.5	155-13.2	8.0	2.2	18	155	7.2	0.09	0.6	0.4	0.12	C
15	23	31	55.1	19-20.1	155-20.0	1.7*	0.8	8	123	4.5	0.06	0.4		0.08	C
15	23	35	0.7	19-17.8	155-13.2	8.0*		11	235	8.3	0.22	1.4		0.13	D
16	0	50	41.4	19-18.3	155-13.2	8.1	1.7	15	180	7.3	0.10	0.8	1.9	0.10	C
16	0	55	28.6	19-18.2	155-13.1	8.0*	1.2	8	230	7.8	0.21	1.3		0.10	D
16	1	5	14.0	19-19.1	155-13.4?	0.2	1.5	16	173	6.1	4.13	1.7	27.0	0.34	D
16	1	56	49.9	19-18.1	155-13.2	8.0*	1.2	9	230	7.8	0.23	1.4		0.11	D
16	2	4	31.8	19-18.0	155-12.9	8.0*		9	234	8.2	0.19	1.2		0.09	D
16	2	6	27.9	19-18.6	155-13.8	8.0*		10	215	6.5	0.19	1.3		0.14	C
16	2	42	11.6	19-21.1	155-15.9	28.0	1.7	11	124	2.4	0.36	1.2	3.3	0.08	B
16	2	44	31.3	19-23.9	155-25.1	7.3	2.0	22	74	7.6	0.11	0.8	0.7	0.19	B
16	6	49	38.8	19-20.1	155-12.7	9.8	1.1	14	158	4.4	0.11	0.7	1.2	0.09	C
16	7	22	18.1	19-18.0	155-16.7	33.7	1.6	9	171	3.3	0.38	1.7	3.6	0.08	C
16	9	29	2.9	19-20.0	155-21.1?	0.0		7	142	3.9	3.68	1.5	7.7	0.08	C
16	11	56	22.8	19-10.6	155-43.2?	61.8*	2.9	25	166	13.3	2.46	27.6		2.64	D
16	15	11	43.3	19-19.7	155-16.4	10.0		8	179	1.9	0.06	0.3	0.5	0.02	B
16	16	0	5.2	19-44.7	156-20.3?	8.5	3.0	14	321	72.2	5.58	46.4	19.0	1.97	D
16	18	10	0.5	19-24.5	155-22.2	10.1	1.5	12	155	4.5	0.23	1.0	2.4	0.13	C
16	18	44	59.8	19-21.1	155- 7.0	8.0*	1.3	8	147	5.2	0.16	1.7		0.21	C
16	19	46	4.8	19-21.6	155- 9.7	13.7	1.5	12	142	1.0	0.08	1.1	0.6	0.12	B
16	20	14	9.1	19-20.8	155-25.3	3.7	2.0	20	98	3.6	0.10	0.8	1.0	0.21	B
16	22	40	32.9	19-15.9	155-22.0?	0.0	1.8	18	148	8.3	5.27	0.8	9.9	0.17	C
16	23	34	29.6	19-10.9	155-44.8	3.8	2.1	14	191	15.3	0.20	1.1	1.0	0.12	C
17	0	49	55.6	19-34.3	155-44.1	8.3	1.9	21	93	16.9	0.09	0.8	1.5	0.16	B
17	1	30	47.8	19-14.7	155-22.4?	0.0	2.2	21	163	8.9	6.11	1.2	11.5	0.25	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 17	3	45	49.2	19-24.2	155-15.9	2.6	0.8	6	224	2.4	0.22	0.8	1.4	0.02	B
17	3	48	4.6	19-24.2	155-16.2	1.9	0.6	8	208	1.9	0.12	0.6	C.3	0.05	B
17	4	47	44.6	19- 6.0	155-20.3?	8.0*	1.8	11	299	22.3	2.03	12.0		0.61	D
17	4	55	42.9	19-16.6	155-12.4?	C.2	2.2	17	235	10.8	1.22	2.8	20.5	0.29	D
17	5	26	57.2	19-18.1	155-21.7	8.0*	1.2	8	231	4.7	0.08	0.5		0.03	D
17	5	33	15.9	19-18.6	155-15.1	12.1		12	205	4.9	0.14	0.5	1.1	0.05	B
17	5	55	17.3	19-18.7	155-15.2	13.1		10	200	4.6	0.11	0.4	C.8	0.02	B
17	6	27	37.4	19-27.5	155-41.4?	9.0	1.9	15	124	10.1	0.56	0.8	4.2	0.13	B
17	14	47	17.9	19-23.8	155-25.9?	8.7	2.0	17	85	8.0	0.08	0.7	3.0	0.14	B
17	18	12	50.8	19-19.0	155-17.7	30.0	2.1	19	134	2.2	0.15	0.9	1.4	0.10	B
17	18	28	11.9	19-17.1	155-25.4	8.0*	1.3	11	191	15.1	0.16	1.4		0.18	C
17	20	8	36.0	19-22.0	155- 9.2	11.7	1.4	8	186	1.1	0.19	1.6	1.7	0.07	C
17	22	17	10.2	19-20.0	155-13.5?	9.5	1.6	18	156	4.6	4.78	1.8	8.9	0.32	D
17	22	18	29.0	19-21.1	155-13.4	13.1	1.3	9	165	2.8	0.12	0.5	1.0	0.03	B
17	22	44	4.8	19-19.5	155- 8.4	8.0*		7	175	5.4	0.08	0.9		0.06	C
17	23	23	27.4	19-19.1	155-11.2	8.0*	1.5	13	177	6.0	0.10	0.8		0.10	C
18	0	2	30.0	19-25.0	155-13.6	8.0*	0.8	7	291	6.0	0.87	4.7		0.09	D
18	1	1	36.3	19-26.5	155-17.5	7.1	1.4	7	299	2.0	0.72	2.1	2.9	0.03	C
18	1	30	51.9	19-20.9	155-12.1	10.3	1.0	11	182	2.9	0.13	0.6	1.0	0.04	B
18	2	40	59.6	19-21.2	155-12.8	5.7	1.5	16	168	2.3	0.13	1.0	C.8	0.21	C
18	3	49	19.5	19-19.4	155-17.4	29.7	2.1	17	150	1.3	0.19	1.1	1.6	0.10	B
18	4	23	6.5	19-20.5	155-16.6	27.3	1.8	16	123	1.5	0.21	1.1	2.0	0.12	B
18	4	44	44.4	19-23.1	155-11.4	8.0*	1.2	5	209	3.4	0.17	2.5		0.06	D
18	7	13	31.1	19-22.9	155-24.5	8.0*	1.3	10	214	5.4	0.13	0.9		0.09	C
18	10	17	4.6	19-21.5	155-17.3	23.1		8	104	2.6	0.57	1.5	5.3	0.08	B
18	11	45	54.5	19-20.7	155-11.1	13.7		7	305	4.2	0.19	1.1	1.1	0.02	C
18	14	0	24.6	19-19.4	155-16.7	9.8		7	203	1.8	0.14	0.6	1.0	0.02	B
18	14	4	12.4	19-14.3	155- 6.8?	58.1		13	238	12.3	1.78	6.6	13.3	0.20	D
18	17	21	17.5	19-20.6	155- 7.3	8.0*		8	168	5.2	0.15	1.6		0.15	C
18	17	38	52.1	19-24.0	155-17.0	17.5	2.4	24	62	1.2	0.18	1.5	2.2	0.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 18	18	21	15.6	19-24.1	155-24.7	9.6	1.9	17	64	7.6	0.04	0.4	C.9	0.08	A
19	1	20	58.5	19-22.8	155-3C.C?	C.0	1.9	13	94	12.7	2.18	1.2	23.0	0.23	B
19	1	30	40.1	19-42.4	155-15.1?	10.6*	2.1	15	191	22.4	0.51	5.6		0.61	D
19	2	52	29.4	18-52.8	155-16.7	8.0*	2.4	16	306	46.5	0.82	5.0		0.09	D
19	2	58	53.0	18-47.3	155- 8.1	8.0*	2.2	14	318	59.5	2.15	12.9		0.11	D
19	20	37	45.0	19-23.7	155-16.2	16.1	1.7	19	86	1.4	0.06	0.5	C.7	0.09	A
19	20	50	7.2	19-24.1	155-28.3	5.4	2.3	21	84	11.4	0.08	0.6	0.8	0.20	B
20	10	51	40.2	19-22.6	155-22.8	7.0		12	115	4.5	0.06	0.5	C.7	0.09	A
20	13	32	9.9	19-22.5	155-24.5	6.5		13	131	4.7	0.11	0.9	1.1	0.18	B
20	14	33	26.4	19-21.3	155-12.5	11.8		11	141	2.1	0.09	0.6	1.0	0.06	B
20	18	40	41.5	19-46.4	156- 3.3?	C.3	2.8	20	254	24.6	0.41	2.0	1.1	0.13	C
20	19	31	28.3	19-14.1	155-35.8	6.2		14	109	2.7	0.17	1.4	1.1	0.23	B
20	21	41	58.5	19-22.8	155-16.5	13.2	1.5	22	66	1.3	0.04	0.6	C.4	0.12	B
20	23	29	43.4	19- 9.0	155-26.0	24.9	2.2	19	235	3.4	0.48	2.4	3.7	0.13	C
20	23	55	51.7	19-25.5	155-27.2	3.7		15	117	10.4	0.09	0.6	C.9	0.15	B
20	23	57	26.9	19-18.9	155-12.9	8.0*		10	217	6.5	0.17	1.1		0.11	C
21	1	42	36.8	19-23.8	155-24.0?	5.8		12	153	6.8	0.10	0.9	1.2	0.13	C
21	3	3	17.5	19-19.6	155-15.9	30.1	2.1	23	139	2.9	0.15	0.9	1.4	0.13	B
21	3	24	52.1	19-22.3	155-23.5?	8.2	1.6	14	111	3.9	0.08	0.6	C.6	0.13	B
21	3	56	19.0	19-19.3	155- 8.0?	4.3	1.8	17	178	6.1	0.15	1.1	1.1	0.19	C
21	10	0	5.1	19-22.3	155-22.8	5.5		10	158	4.0	0.13	1.0	1.1	0.16	C
21	10	31	53.0	19-21.7	155-26.0	8.0*		5	258	5.5	0.61	3.6		0.20	D
21	12	23	9.6	19-15.0	155-22.9	8.0*	1.6	8	237	7.1	0.15	1.1		0.06	D
21	12	51	51.1	19-26.4	155-27.1?	0.0	1.8	15	70	9.1	3.04	1.2	24.8	0.28	C
21	13	46	22.0	19-20.2	155-16.3	9.5		7	192	1.9	0.11	0.4	0.8	0.01	B
21	13	50	38.4	19-19.8	155-14.7	13.0		8	208	3.9	0.23	C.8	1.6	0.03	B
21	14	28	4.8	19-23.7	155-25.0	8.0*	2.0	5	220	7.0	0.39	2.7		0.13	D
21	16	14	13.6	19-11.5	155-35.8	8.0*		5	143	6.7	0.16	1.6		0.09	C
21	17	53	15.6	19-27.1	155-48.9	11.3		6	218	23.0	0.40	3.1	3.4	0.09	C
21	18	35	27.0	19-19.3	155- 8.0	8.0*		10	179	6.0	0.16	1.5		0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 21	19	3	6.1	19-10.7	155-32.3	8.0*		10	156	11.4	0.10	1.0		0.13	C
21	20	4	33.8	19-21.4	155-23.8	5.2	1.4	14	99	2.3	0.13	1.1	1.4	0.22	B
21	20	13	10.8	19-24.2	155-26.1	5.9		13	114	9.0	0.11	0.8	1.4	0.20	B
21	20	32	55.5	19-21.6	155-23.8	8.3	1.3	7	200	2.8	0.32	1.7	3.0	0.06	C
21	21	6	39.7	19-21.7	155-16.6	32.0*	1.3	7	122	1.8	0.02	0.9		0.03	C
21	21	42	0.3	18-53.7	155-14.1	6.8	2.3	11	312	37.8	0.29	2.4	2.9	0.11	C
22	1	40	52.4	19-33.0	155-51.4	13.7*	2.5	8	224	15.4	0.30	2.6		0.11	C
22	1	49	12.8	19-19.5	155-55.3?	8.0*	2.6	10	326	33.1	1.08	6.4		0.11	D
22	3	11	45.0	19-19.8	155-15.0	12.3	1.3	8	177	3.7	0.12	0.6	1.0	0.03	B
22	5	19	49.9	19-11.9	155-27.6?	0.0	2.0	15	172	17.1	4.29	1.1	8.2	0.16	C
22	6	25	0.8	19-21.3	155-14.4	8.3	1.3	8	150	1.8	0.13	1.0	1.5	0.08	B
22	9	6	43.5	19-22.3	155-24.5?	9.6	0.9	7	218	4.4	0.35	1.0	2.6	0.06	C
22	12	29	19.3	19-23.8	155-16.5	3.0	0.8	7	180	1.1	0.25	1.2	2.1	0.11	C
22	14	41	17.3	19-23.8	155-16.1	2.4	1.2	12	145	1.7	0.10	0.6	2.5	0.11	B
22	15	2	50.5	19-24.0	155-25.8	8.0*		10	234	8.2	0.25	1.5		0.12	D
22	16	19	17.2	19-13.2	155-21.9	21.0*		5	317	13.1	1.31	11.3		0.16	D
22	18	11	2.8	19-22.6	155-22.9	4.9	1.9	16	169	4.5	0.17	1.0	1.1	0.17	C
22	19	46	58.6	19-14.5	155-26.1?	4.8	2.2	17	122	3.6	0.11	0.9	0.9	0.20	C
22	20	32	52.4	19-20.1	155- 6.8	8.0*	1.7	12	166	6.5	0.13	1.3		0.15	C
22	20	50	19.3	19-12.1	155- 8.7	35.9	2.2	19	211	17.6	0.25	1.4	2.1	0.10	C
22	21	57	19.7	19-21.1	155- 7.1?	0.0	2.3	19	147	7.6	5.56	1.2	10.5	0.23	C
23	0	6	43.0	19-19.8	155-15.5	36.9	1.7	14	150	3.4	0.51	1.6	4.5	0.09	B
23	1	38	23.2	19-24.1	155-15.8	2.0		7	221	2.4	0.13	0.6	0.3	0.05	B
23	3	11	47.7	19-24.2	155-15.9	2.0		8	218	2.3	0.16	0.6	0.3	0.05	B
23	4	7	20.8	19-20.3	155- 9.3	9.3	0.9	11	162	3.5	0.06	0.5	0.9	0.06	B
23	4	22	35.5	19-19.7	155- 9.3	8.9		12	171	4.5	0.07	0.6	1.2	0.07	B
23	4	55	28.6	19-25.9	155-12.7	25.2		14	97	6.5	0.12	0.6	1.3	0.08	A
23	7	15	58.4	19- 9.4	155-27.8	33.3	2.9	22	175	13.1	0.27	1.3	2.6	0.13	C
23	7	56	42.8	19-19.9	155-13.1	10.0		11	195	4.8	0.30	1.5	2.5	0.12	C
23	12	15	8.8	19-19.7	155- 2.5	10.4	2.5	14	220	0.8	0.34	2.6	3.7	0.18	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 23	14	33	33.0	19-22.5	155-22.6	6.1		8	158	4.5	0.28	0.7	2.6	0.10	C
23	22	21	28.2	19-17.9	155-12.9	8.0*	1.1	9	236	8.4	0.18	1.1		0.08	D
23	23	53	39.0	19-23.9	155-16.5	2.1	0.7	9	140	1.3	0.09	0.6	C.4	0.11	B
24	2	31	49.3	19-22.8	155-22.2?	2.0*		8	150	4.7	0.07	0.5		0.09	C
24	3	14	1.8	19-24.0	155-16.4?	2.2	0.5	7	189	1.5	0.12	0.9	C.5	0.10	C
24	8	13	36.9	19-14.5	155-32.0?	0.6		13	247	11.7	1.52	1.5	5.2	0.10	D
24	17	44	52.1	19-19.6	155- 7.3	8.0*		10	185	6.3	0.08	0.8		0.07	C
24	19	11	18.6	19-19.4	155-17.1?	6.6		10	171	1.4	0.25	1.3	3.0	0.18	D
24	22	20	15.7	19-22.6	155-22.4	1.2		9	155	4.7	0.27	0.8	1.4	0.10	B
24	23	57	32.0	19-23.3	155-26.4	4.3	2.4	22	73	7.9	0.09	0.7	0.8	0.21	B
25	0	12	50.8	19-23.9	155-16.0	2.1*	0.7	7	208	2.0	0.15	0.8		0.05	C
25	0	14	46.3	19-18.8	155-13.1	12.6	1.2	10	217	6.7	0.32	1.3	2.6	0.08	C
25	0	20	2.4	19-18.6	155- 6.5?	0.0	1.9	17	213	8.6	6.77	1.9	12.6	0.26	C
25	2	17	14.7	19-20.8	155-10.9	8.4	0.9	9	210	3.0	0.07	0.5	0.6	0.03	B
25	2	17	50.1	19-25.9	155-15.2	24.6	1.2	15	79	3.7	0.15	0.8	1.8	0.10	A
25	2	26	5.8	19-24.1	155-16.2	1.9		8	200	1.8	0.12	0.7	C.3	0.08	B
25	2	45	38.4	19-22.2	155-27.3	4.6	2.2	20	115	13.6	0.10	0.8	0.9	0.20	B
25	3	28	12.1	19-18.0	155-14.6?	0.0		16	222	6.3	6.68	1.5	12.6	0.23	C
25	5	26	12.8	19-24.5	155-17.3	6.3	0.9	9	117	0.6	0.15	0.6	C.9	0.05	A
25	6	0	56.9	19-17.7	155-14.9	9.6		13	227	6.3	0.28	1.5	2.3	0.14	C
25	6	5	57.1	19-19.4	155- 8.3	8.0*	1.2	11	178	5.7	0.21	1.8		0.23	C
25	6	50	51.6	19-38.4	155- 8.2	11.6		11	191	16.9	0.09	0.7	C.8	0.07	B
25	7	0	23.3	19-24.9	155-16.4	10.9	1.2	7	180	1.1	0.18	0.8	1.5	0.05	B
25	7	6	36.1	19-13.2	155-17.4	34.4	1.9	12	236	12.7	0.47	2.1	3.6	0.08	C
25	7	11	11.5	19-14.5	155-17.4	33.7	1.6	12	228	6.7	0.66	3.0	5.0	0.11	D
25	7	12	30.6	19-16.0	155-18.4	32.7	1.7	13	177	3.7	0.28	1.6	2.7	0.13	C
25	8	0	2.9	19-20.6	155- 4.5	5.5	2.1	12	143	3.1	0.19	1.6	1.2	0.26	C
25	8	47	54.2	19-23.7	155-16.9	5.8		10	110	0.6	0.18	0.7	1.3	0.09	A
25	9	42	51.1	19-12.7	155-29.4?	0.0	2.2	13	153	14.1	6.25	1.2	11.9	0.20	C
25	10	1	16.8	19-24.3	155-16.3	3.0	0.7	6	207	1.6	0.10	0.4	C.8	0.02	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 25	10	17	34.5	19-23.1	155-23.9?	8.0*	1.9	9	266	7.4	2.80	15.7		0.94	D
25	10	35	27.0	19-32.6	155-41.3	8.2	2.3	13	148	22.4	0.07	0.7	C.9	0.08	B
25	10	59	26.1	19-23.5	155-17.4	12.7*	1.5	6	146	0.8	0.01	0.3		0.01	C
25	13	18	23.3	19-47.2	156- 1.4	49.8	3.0	21	254	22.3	0.51	2.3	4.0	0.11	C
25	13	21	44.2	19-24.5	155-16.4	13.8	1.5	14	117	1.2	0.04	0.4	C.5	0.05	A
25	16	54	40.8	19-19.7	155-12.0	16.6		9	214	5.2	0.21	1.9	1.7	0.08	C
25	16	57	13.6	19-25.9	155-29.8	8.0*	1.2	8	285	13.4	0.82	4.4		0.11	D
25	17	29	46.4	19-20.9	155-12.9	9.1		7	175	2.9	0.11	0.6	1.2	0.03	B
25	17	39	8.8	19-21.7	155-11.1	9.0		7	172	2.4	0.32	1.8	2.7	0.06	C
25	19	30	23.0	19-19.2	155-26.2?	1.2		13	147	5.4	0.17	1.3	2.4	0.24	C
25	21	21	14.7	19-21.1	155-22.9?	2.4		9	153	1.8	0.15	1.0	1.2	0.11	C
25	22	29	42.7	19-23.6	155-27.6?	0.0	1.7	11	97	9.7	7.87	0.8	15.0	0.18	B
25	23	52	59.5	19-25.4	155-28.5	7.2	1.8	19	80	12.1	0.08	0.6	C.6	0.15	B
26	0	34	41.3	19-21.1	155- 3.3	8.0*	1.5	13	208	11.5	0.30	2.4		0.24	C
26	0	50	53.5	19-19.5	155-11.7	8.0*	1.0	9	223	5.7	0.18	1.2		0.10	C
26	1	11	17.8	19-20.5	155-15.3	4.4	1.4	13	158	2.5	0.15	1.0	1.1	0.21	C
26	1	12	39.4	19-19.9	155-15.2	12.0	1.4	11	172	3.4	0.08	0.3	0.7	0.03	B
26	1	29	44.C	19-20.4	155-12.7	4.6	1.8	17	189	3.8	0.20	1.2	C.9	0.25	C
26	2	52	18.9	19-24.1	155-15.9	1.9		7	214	2.1	0.19	0.9	C.4	0.07	B
26	3	48	14.2	19-23.7	155-29.4?	3.6	1.8	13	99	12.5	2.74	1.3	24.1	0.21	B
26	4	22	34.4	19-24.3	155-17.9	8.2	0.7	8	120	1.0	0.29	1.0	2.2	0.05	B
26	4	44	12.5	19-24.1	155-17.8	7.0	1.0	9	89	1.2	0.14	0.5	C.9	0.04	A
26	6	4	18.5	19-24.4	155-17.6	7.1	1.1	9	91	0.6	0.11	0.4	0.7	0.03	A
26	6	42	43.5	19-24.7	155-18.7	9.7	1.3	6	220	2.1	1.22	3.3	8.0	0.04	C
26	7	6	12.0	19-24.4	155-19.4	12.9	1.9	8	215	1.4	1.03	2.6	7.2	0.08	C
26	7	49	7.2	19-23.6	155-17.5	5.8	1.0	8	139	1.1	0.41	1.4	2.7	0.11	B
26	8	0	57.7	19-24.3	155-18.4	5.7	1.0	11	74	1.7	0.07	0.3	C.5	0.04	A
26	8	50	21.7	19-22.1	155-18.9	11.2		6	240	3.2	0.95	3.8	6.5	0.08	D
26	9	25	58.6	19-28.1	155-16.5?	8.0*	1.3	8	316	5.3	0.24	3.6		0.32	D
26	11	34	35.3	19-19.8	155-17.1	8.6	1.5	7	181	0.9	0.13	0.6	1.0	0.02	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 26	12	33	41.5	19-26.9	155-16.2	21.7	2.2	14	137	3.6	0.12	0.8	1.3	0.08	B
26	12	38	8.4	19-21.5	155-28.5?	C.0	1.8	10	131	9.4	9.81	1.2	18.6	0.18	C
26	19	43	0.4	19-19.8	155-23.8?	6.5	2.6	17	138	1.1	0.15	1.4	1.9	0.24	C
26	19	45	40.0	19-20.6	155-24.4	3.0		11	238	2.1	0.26	1.4	1.4	0.16	C
26	19	51	16.7	19-21.4	155-24.9	2.8	1.5	15	179	3.5	0.18	1.2	1.7	0.23	C
26	20	24	48.2	19-26.4	155-17.1	13.4	2.1	6	298	2.8	0.54	1.7	3.2	0.01	C
26	21	10	56.6	19-20.4	155-23.6	7.9	1.6	11	136	C.6	0.08	0.7	C.5	0.11	B
26	21	33	45.6	19-20.2	155-11.9?	8.0	2.5	19	159	4.4	0.08	0.7	0.4	0.13	C
26	23	45	34.9	19-23.8	155-16.8?	6.1		7	153	C.8	0.23	0.8	4.0	0.16	C
27	1	32	20.4	19-20.7	155-10.4	9.6	1.7	7	228	2.8	0.23	1.1	2.0	0.03	C
27	1	48	29.9	19-19.3	155-13.2	8.0*	1.6	12	205	5.8	0.11	0.8		0.10	C
27	1	56	36.5	19-24.0	155-23.5	3.4	1.0	11	185	6.7	0.12	0.8	1.4	0.12	C
27	2	13	41.4	19-24.1	155-23.6	4.6	1.2	11	175	6.8	0.13	0.9	1.2	0.15	C
27	3	3	40.7	19-26.0	155-23.8	8.0*	1.5	12	175	6.2	0.06	0.4		0.07	C
27	3	24	21.8	19-26.8	155-16.3	4.0	0.9	8	303	3.4	0.70	3.8	4.6	0.21	D
27	3	51	57.9	19-21.1	155-10.9	8.7		6	202	2.7	0.12	0.8	1.2	0.02	B
27	4	42	38.8	19-22.5	155-18.9	19.2*	1.7	7	87	2.6	0.02	0.7		0.03	C
27	5	7	11.1	19-25.3	155-23.7	8.0*	1.6	10	190	6.8	0.07	0.5		0.06	C
27	5	19	4.7	19-23.1	155-15.7	24.0		10	96	2.2	0.20	0.9	1.9	0.05	A
27	6	43	18.4	19-19.4	155- 8.1	2.8	1.9	13	178	5.8	0.19	1.3	2.0	0.20	C
27	10	19	53.6	19-19.4	155-11.7	8.0*	1.8	10	225	5.9	0.19	1.3		0.10	C
27	12	10	5.5	19-22.8	155- 6.1	12.8	1.9	10	220	6.6	0.10	1.3	0.4	0.05	C
27	16	28	48.0	19-18.2	155-23.4	8.0*	1.7	7	169	12.0	0.16	2.0		0.14	C
27	17	20	23.8	19-20.7	155-19.7	2.4*	1.2	10	102	4.2	0.05	0.3		0.08	B
27	18	0	35.5	19-21.4	155-23.3	6.6	1.4	9	181	2.2	0.39	1.1	2.8	0.10	C
27	18	8	20.6	19-20.5	155-12.3	3.2		10	153	3.7	0.25	1.5	8.0	0.20	C
27	18	36	57.5	19-23.8	155-16.4	1.6	0.8	9	140	1.3	0.08	0.5	C.4	0.11	B
27	20	8	30.2	19-24.5	155-17.9	8.9	1.2	6	131	0.8	0.88	2.4	6.4	0.05	C
27	21	16	4.8	19-24.3	155-25.0?	C.0	1.5	16	105	8.1	5.14	0.6	9.8	0.13	B
27	21	42	38.2	19-24.5	155-17.3	6.7	1.0	6	164	0.5	1.86	3.8	10.3	0.11	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 27	22	42	35.2	19-24.7	155-17.8	9.0	1.5	6	137	0.5	0.38	1.1	2.7	0.02	B
27	22	59	58.0	19-24.5	155-17.6	10.7	1.5	7	113	0.4	0.31	0.6	2.3	0.02	B
28	0	48	15.8	19-25.3	155-16.6	13.7	1.5	8	243	1.0	0.56	1.3	3.8	0.03	C
28	0	51	40.8	19-24.8	155-17.7	9.8	1.4	6	128	0.4	0.31	0.8	2.2	0.02	B
28	1	21	43.0	19-23.6	155-17.9?	5.4	1.9	8	115	1.7	0.99	3.2	8.8	0.46	C
28	1	24	59.2	19-24.5	155-17.5	8.8	1.2	7	144	0.4	0.06	0.3	0.5	0.01	B
28	1	27	50.4	19-24.6	155-17.7	8.2	1.3	6	125	0.4	0.34	0.9	2.4	0.02	B
28	1	38	43.6	19-24.5	155-17.4	9.0	1.3	6	103	0.4	0.42	1.2	3.1	0.02	B
28	2	10	53.3	19-25.0	155-25.7	8.0*	1.7	13	199	9.7	0.10	0.7		0.08	C
28	2	52	31.5	19-24.6	155-17.8	7.7	1.2	9	75	0.6	0.42	1.2	2.6	0.09	B
28	4	55	29.1	19-28.8	155-17.4	21.4	2.0	8	321	6.3	1.29	4.7	9.2	0.04	D
28	5	0	30.4	19-23.3	155-17.6	6.2	0.9	8	103	1.1	0.28	0.5	1.9	0.04	A
28	5	0	56.9	19-31.3	155-20.0	23.2*	2.0	6	337	6.9	0.77	8.9		0.12	D
28	5	9	47.0	19-24.8	155-25.1	8.0*	1.6	5	219	9.0	0.24	1.7		0.08	D
28	5	18	38.3	19-24.4	155-17.4	8.7	1.3	9	106	0.6	0.08	0.5	0.6	0.02	A
28	5	40	47.2	19-24.2	155-17.8	6.7	1.2	7	118	1.0	0.54	0.9	3.2	0.05	B
28	5	45	4.6	19-23.1	155-18.3	5.4	1.1	6	182	2.4	0.40	0.7	2.8	0.04	C
28	7	2	39.9	19-24.5	155-17.3	9.1	1.2	6	113	0.5	0.62	1.8	4.4	0.03	B
28	7	7	15.3	19-23.1	155-17.8	3.4	0.8	6	170	1.5	0.27	1.4	3.0	0.10	C
28	7	16	46.9	19-24.3	155-17.7	6.8	1.0	8	110	0.9	0.22	0.4	1.3	0.02	A
28	7	24	21.1	19-23.9	155-18.0	5.1	0.9	10	112	1.8	0.35	1.0	2.3	0.11	B
28	7	37	46.7	19-24.3	155-15.8	2.0	0.7	6	231	2.4	0.04	0.2	0.1	0.01	C
28	7	50	21.8	19-20.7	155-20.1	1.8*	1.3	11	108	4.8	0.06	0.4		0.09	B
28	8	15	45.1	19-24.1	155-16.0	4.2	0.9	11	168	2.1	0.16	0.6	1.1	0.08	B
28	8	20	0.8	19-24.4	155-24.9?	7.3	2.2	21	86	8.2	0.11	0.5	0.8	0.12	B
28	8	53	56.0	19-23.2	155-17.7?	4.1		9	120	1.4	0.19	1.0	3.1	0.15	B
28	9	2	18.1	19-21.2	155-24.2	7.8	1.5	7	228	2.5	0.47	2.9	3.3	0.10	D
28	12	0	58.2	19-19.6	155-11.6	8.0*	1.5	8	223	5.7	0.16	1.1		0.06	C
28	12	53	11.9	19-17.0	155- 8.9	8.0*	1.1	8	213	9.6	0.21	1.5		0.12	C
28	15	15	31.4	19-18.5	155-13.7	8.0*	0.8	10	217	6.6	0.20	1.4		0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 28	15	31	43.6	19-24.3	155-16.7	8.5	1.2	10	134	1.2	0.07	0.5	0.6	0.05	B
28	16	35	51.6	19-24.0	155-17.4	7.1	1.1	6	118	1.3	0.64	1.1	3.7	0.03	B
28	16	43	53.3	19-24.6	155-28.1?	0.0	2.1	19	131	12.8	4.69	0.9	8.9	0.20	C
28	19	12	44.4	19-21.8	155-28.1	0.5*	1.6	12	84	8.9	0.10	0.7		0.18	B
28	19	23	28.5	19-28.5	155-15.6?	8.0*	0.9	8	318	6.7	0.35	3.8		0.30	D
28	19	51	31.3	19-24.0	155-17.6	6.0	0.9	11	105	1.3	0.17	0.7	1.2	0.08	A
28	20	5	2.1	19-23.1	155-17.3	5.3	1.0	8	103	0.9	0.20	0.4	1.4	0.03	A
28	21	5	36.3	19-18.3	155-13.6	8.0*	1.2	10	223	7.1	0.20	1.4		0.14	C
28	21	9	11.2	19-24.0	155-17.7	1.8	0.6	8	126	1.3	0.03	0.2	0.2	0.04	B
28	21	17	34.6	19-24.4	155-17.1	8.8	1.3	7	138	0.9	0.35	0.9	2.6	0.03	B
28	23	31	23.9	19-23.0	155-17.6	5.1	1.0	6	113	1.3	0.90	1.7	6.4	0.10	C
29	0	6	4.6	19-24.2	155-17.1	9.9	1.3	8	140	1.2	0.28	0.7	2.1	0.02	B
29	0	58	54.3	19-25.6	155-13.0?	3.1	1.4	5	303	7.2		0.0		0.05	D
29	3	22	44.9	19-17.9	155-13.0	8.0*		6	234	8.2	0.18	1.1		0.06	D
29	7	24	31.2	19-23.7	155-16.5	3.5	0.8	9	171	1.0	0.21	0.8	1.7	0.09	B
29	8	10	43.0	19-19.9	155-11.6	8.0*		7	216	5.1	0.03	0.3		0.02	C
29	8	43	34.7	19-24.2	155-16.5	7.8		10	150	1.6	0.11	1.2	0.7	0.10	B
29	9	22	28.4	19-24.3	155-28.1	4.1		13	134	11.3	0.10	0.8	1.5	0.17	B
29	9	33	57.0	19-21.6	155- 8.3	10.9	1.3	10	179	2.8	0.19	1.7	2.0	0.08	C
29	11	29	44.1	19-24.1	155-17.2	2.1		7	128	1.2	0.02	0.2	0.1	0.02	B
29	14	53	19.1	19-24.2	155-16.0	3.0	0.8	6	229	2.2	0.14	0.6	1.0	0.02	C
29	16	4	24.2	19-12.4	155-28.0?	0.8*		13	119	5.4	0.13	1.1		0.25	B
29	18	15	17.6	19-24.1	155-16.1	2.0	0.7	9	166	2.0	0.08	0.5	0.3	0.07	B
29	19	33	37.6	19-24.1	155-15.9?	1.8	0.6	8	217	2.2	0.29	1.1	0.7	0.13	C
29	19	35	44.2	19-24.1	155-15.9	1.7		8	215	2.2	0.18	0.8	0.4	0.08	B
29	20	10	24.5	19-24.3	155-16.3	2.0	0.6	10	153	1.7	0.05	0.4	0.3	0.06	B
29	21	48	10.3	19-20.3	155- 8.3	7.5	1.5	13	161	4.2	0.10	1.0	0.6	0.12	C
29	21	51	28.9	19-46.6	155-28.8	7.1	1.9	12	236	2.4	0.21	2.1	1.1	0.10	C
29	22	22	4.3	19-18.1	155-15.5	11.9		11	213	4.9	0.21	0.8	1.7	0.07	B
29	22	33	38.2	19-24.3	155-23.3?	8.5		13	148	6.3	0.07	0.6	0.4	0.11	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 29	22	39	8.4	19-23.9	155-15.8	3.0	1.3	14	155	2.2	0.08	0.4	1.2	0.09	C
29	23	11	21.8	19-24.2	155-17.9	5.5	1.2	9	119	1.3	0.10	0.3	C.6	0.03	A
29	23	14	0.6	19-23.6	155-18.0	1.5	0.6	8	101	2.0	0.10	0.5	0.7	0.11	B
29	23	16	18.6	19-24.5	155-17.8	10.7	1.2	8	127	0.7	0.56	1.3	4.0	0.04	B
29	23	48	19.9	19-20.0	155- 7.6	8.0*	1.0	10	167	5.4	0.08	0.9		0.09	C
29	23	53	52.5	19-21.0	155-12.7	10.6	C.9	10	174	2.8	0.13	0.5	1.1	0.04	B
30	1	20	54.2	19-20.1	155-12.9	8.2	1.1	12	193	4.4	0.13	0.9	1.4	0.11	C
30	2	6	30.7	19-21.4	155-24.7	6.7	1.6	18	65	3.2	0.11	1.0	1.0	0.23	C
30	3	22	56.7	19-19.8	155-12.8	8.0	1.5	11	199	4.9	0.15	1.1	1.8	0.12	C
30	7	47	47.2	19-20.0	155-16.9	29.9	2.1	20	128	0.8	0.12	0.6	1.2	0.08	B
30	9	0	14.8	19-20.6	155-13.3	7.5	1.7	17	148	3.6	0.08	0.7	C.4	0.13	B
30	9	7	43.9	19-15.7	155-19.2	8.0*	1.3	8	213	13.2	0.39	2.9		0.25	C
30	9	11	55.6	19-24.0	155-17.4	7.5	1.1	9	113	1.4	0.14	0.5	C.9	0.05	A
30	9	49	3.9	19-23.0	155-23.6	7.8	1.9	20	60	5.3	0.08	0.6	C.5	0.15	B
30	11	25	55.1	19-23.1	155-16.9	14.7	1.6	11	63	0.5	0.13	1.0	1.6	0.11	B
30	12	12	58.6	19-20.7	155-43.4	6.1	2.3	8	265	15.4	0.60	3.6	1.0	0.06	D
30	15	11	23.3	19-23.5	155-16.9	11.8	1.5	20	65	0.2	0.05	0.6	0.5	0.12	B
30	15	21	11.2	19-20.4	155-13.4	5.9	1.5	19	150	4.0	0.11	0.8	0.7	0.22	C
30	17	13	45.8	19-23.0	155-28.3	8.0*	1.8	9	191	10.1	0.09	0.9		0.08	C
30	17	19	27.5	19-23.8	155-18.3	4.9		7	143	2.3	0.44	0.9	3.0	0.06	B
30	20	58	59.8	19-19.3	155-10.5	8.0*	1.4	11	175	5.3	0.10	0.9		0.10	C
30	22	48	26.2	19-23.8	155-17.8	4.8	0.9	7	137	1.7	0.32	C.8	2.4	0.07	B
30	23	7	58.3	19-24.1	155-18.0	7.7	1.2	9	125	1.4	0.05	0.5	C.3	0.04	B
30	23	34	5.5	19-25.4	155-16.5	15.0*	1.6	7	250	1.2	0.04	0.8		0.02	D
30	23	34	18.1	19-24.1	155-16.4	2.0	0.9	9	192	1.6	0.06	0.3	0.1	0.04	B
31	0	29	59.6	19-23.5	155-17.3	4.6	0.8	7	145	0.6	0.15	0.4	1.1	0.03	B
31	0	39	9.6	19-23.9	155-18.1	7.5		9	93	1.8	0.15	0.5	1.0	0.04	A
31	1	41	49.3	19-24.6	155-17.3	7.4	1.1	8	108	0.5	0.20	0.7	1.2	0.05	A
31	5	58	9.8	19-23.2	155- 1.4	8.0*	2.0	8	151	6.6	0.12	1.1		0.15	C
31	7	24	55.1	19-24.1	155-28.1?	C.0		9	151	13.4	0.26	1.2	19.5	0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
AUG 31	7	43	24.3	19-46.5	155-22.5	29.4	2.5	20	117	8.7	0.21	0.9	2.2	0.08	B
31	10	25	42.6	19-23.5	155-35.7	4.7	2.4	13	133	16.0	0.10	0.6	C.7	C.10	B
31	10	29	13.2	19-19.4	155-14.5	8.8		14	163	4.6	0.13	0.9	1.6	0.14	C
31	14	4	17.9	19-18.7	155-14.2?	C.8	1.8	16	151	6.2	2.11	1.0	7.9	0.25	C
31	14	55	37.0	19-19.6	155-20.2?	8.9		8	143	4.2	0.29	1.8	1.9	0.20	B
31	23	15	8.2	19-24.0	155-17.1?	C.4	0.7	8	136	1.1	0.95	2.2	6.7	0.28	C
1	1	4	46.7	19-21.5	155-18.5	12.0	1.1	14	78	3.2	0.06	0.8	C.6	0.11	B
1	1	17	7.3	19-17.2	155-26.9?	C.0	2.0	16	103	8.4	5.32	0.8	1C.1	0.19	B
1	2	20	18.9	19-17.4	155-46.7?	8.0	2.1	17	238	17.5	0.36	2.2	1.5	0.13	D
1	4	7	45.9	19-20.1	155-16.C	8.3	1.1	14	159	2.4	0.11	0.9	1.2	0.13	C
1	5	37	10.3	19-21.6	155-24.0?	1C.3	2.5	27	46	2.9	0.20	2.2	2.8	0.41	C
1	6	7	48.7	19- 5.4	154-56.6	50.9*	2.3	18	293	29.0	0.29	2.7		0.13	D
1	9	32	10.9	19-20.4	155-17.6	5.5		11	88	0.7	0.12	0.7	C.6	0.08	A
1	9	33	24.5	19-21.8	155-24.9	5.9	1.6	14	103	4.1	0.11	0.8	C.9	0.18	B
1	19	56	39.3	19-12.7	155- 2.1	37.0	2.1	23	222	13.4	0.23	1.2	1.8	0.11	C
1	20	33	49.9	19-23.6	155-14.7	1.2		10	175	3.0	0.08	0.3	C.3	0.08	B
1	21	29	18.4	19-18.3	155-14.9	14.2		8	237	5.5	0.34	1.2	2.4	0.05	C
1	21	29	47.1	19-21.0	155- 7.0?	0.0	2.5	18	149	7.5	5.32	0.9	1C.1	0.19	C
1	21	35	37.1	19-24.2	155-15.4	1.0	0.9	10	184	3.1	0.24	0.8	C.8	0.13	C
2	0	42	45.4	19-24.6	155-16.4?	2.2*		7	215	1.1	0.23	1.2		0.13	C
2	4	54	24.7	19-22.9	155-22.0	2.4		14	146	4.3	0.12	0.7	1.4	0.15	C
2	7	24	42.7	19-23.1	155-25.4	3.2	1.6	21	68	6.6	0.09	0.6	1.0	0.21	B
2	8	20	8.8	19-23.2	155-26.0?	0.0	1.6	14	92	7.3	7.15	0.8	13.6	0.20	B
2	17	9	24.9	19-24.0	155-24.5	8.0*	1.6	17	75	7.3	0.07	0.6		0.13	B
2	17	15	29.1	19-21.3	155- 6.9?	0.0	1.9	22	129	7.4	3.48	0.8	6.6	0.19	C
2	17	53	56.4	19-25.6	155-16.0?	3.2*	1.2	10	230	2.3	0.36	2.0		0.31	D
2	20	54	4.6	19-22.7	155- 0.4	5.5		13	173	6.8	0.20	1.6	1.3	0.24	C
2	23	45	12.8	19-27.2	155-15.6?	0.2	0.9	8	309	4.8	0.92	2.4	1.9	0.20	C
3	2	4	56.3	19-20.5	155-11.9	9.4		13	196	3.8	0.28	1.3	2.2	0.11	C
3	3	0	40.6	19-19.6	155-13.7	12.9		10	195	5.0	0.16	0.6	1.3	0.05	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 3	3	44	42.1	19-23.6	155-17.5	1.6	0.8	11	87	1.1	0.06	0.4	0.4	0.10	B
3	3	52	17.7	19-22.0	155-24.9?	0.0		17	73	9.7	4.29	0.6	8.1	0.18	B
3	3	58	29.1	19-21.9	155-24.0	7.8		12	160	3.5	0.07	0.5	0.4	0.08	B
3	10	30	5.7	19-20.9	155-15.6	25.2		14	130	2.9	0.13	0.9	1.4	0.08	B
3	12	16	20.8	19-25.7	155-21.8	4.3	1.3	14	134	4.0	0.09	0.7	1.1	0.18	B
3	12	20	2.3	19-15.0	155- 5.6	37.3		18	217	10.1	0.29	1.5	2.2	0.09	C
3	14	40	29.9	19-20.6	155-13.1	31.9		20	137	3.4	0.17	0.9	1.7	0.10	B
3	15	15	14.2	19-20.0	155-12.3	9.0		12	160	4.6	0.12	0.9	1.6	0.10	C
3	18	7	32.2	19-19.9	155-12.0	8.0		10	266	4.9	0.68	3.5	3.9	0.12	D
3	18	11	53.4	19-23.9	155-23.7	7.4	1.6	19	116	6.9	0.09	0.7	0.5	0.16	B
4	0	38	57.3	19-22.4	155-22.8	6.5		11	109	4.2	0.07	0.6	0.7	0.12	B
4	4	20	10.1	19-24.5	155-26.6	2.2		13	154	9.8	0.09	0.6	1.1	0.12	C
4	6	57	1.7	19-20.5	155-11.6	12.5		10	202	4.1	0.22	0.9	1.7	0.05	B
4	9	10	53.2	19- 8.4	155-21.9	35.2		14	203	18.5	0.34	1.9	3.1	0.13	C
4	11	59	40.1	19-18.6	155-12.1?	0.4		15	179	7.1	2.28	1.3	8.3	0.29	C
4	12	31	6.9	19-18.5	155- 9.1?	0.0	1.8	14	189	6.7	7.02	1.7	13.3	0.29	C
4	12	55	31.9	19-19.7	155-11.9	4.1	1.8	18	147	5.2	0.15	1.0	1.3	0.25	C
4	15	43	40.7	19-23.6	155-17.2	2.2		7	133	0.6	0.04	0.4	0.1	0.04	B
4	22	21	31.5	19- 0.6	155-26.1	37.4		17	226	16.6	0.58	2.8	4.6	0.14	D
4	23	9	6.9	19-33.4	155- 4.9	40.0		13	150	6.2	0.28	1.0	2.7	0.07	B
5	5	28	11.0	19-19.5	155-12.1	3.9	1.7	18	148	5.5	0.16	1.0	1.4	0.28	C
5	7	33	43.8	19-18.4	155-10.6	3.9		13	187	6.9	0.21	1.3	1.6	0.23	C
5	7	35	40.3	19-19.1	155-13.8	8.0*		9	204	5.6	0.15	1.0		0.12	C
5	11	2	3.7	18-51.7	155-12.1	8.0*	1.8	19	268	49.7	0.45	2.9		0.14	D
5	15	38	39.2	19-28.4	155-48.1	8.0	1.9	15	152	13.5	0.79	1.0	5.8	0.15	C
5	19	13	36.0	19- 7.9	155-19.1?	60.0*		16	229	15.7	0.17	2.6		0.11	D
5	19	23	23.7	18-44.8	155-11.1	8.0*	2.7	8	321	54.3	5.12	30.8		0.18	D
5	19	33	16.4	19-21.0	155- 6.2	8.0*	1.8	16	147	6.1	0.08	0.9		0.12	C
5	22	41	44.3	19-24.0	155-26.9	6.6	2.0	17	106	9.5	0.11	0.7	0.6	0.14	B
6	3	24	25.7	19-25.4	155-17.6	4.6	1.0	7	263	0.1	0.24	0.7	1.1	0.03	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP	6	9	34	57.5	19-21.8	155- 7.2?	3.2	2.4	17	135	4.6	0.17	1.4	1.9	0.30	C
	6	10	1	19.4	19-24.1	155-16.3	2.0	0.8	9	197	1.8	0.05	0.3	0.1	0.04	B
	6	11	25	16.9	19-24.0	155-17.8?	0.2	0.9	12	86	1.5	0.49	0.9	1.2	0.28	C
	6	11	42	52.0	19-23.9	155-16.8	2.3	0.8	10	156	1.0	0.09	0.6	1.5	0.10	C
	6	11	56	58.1	19-23.9	155-15.9	3.4	1.6	15	107	2.1	0.07	0.3	0.9	0.09	B
	6	13	19	51.6	19-24.2	155-17.5	0.7	0.9	11	107	0.9	0.06	0.3	0.5	0.11	B
	6	13	52	1.4	19-24.4	155-15.3	2.4*		6	251	3.0	0.10	0.5		0.03	D
	6	15	12	14.9	19-19.5	155-16.8	9.2		8	198	1.6	0.11	0.5	0.8	0.02	B
	6	15	14	23.6	19-20.1	155- 6.9	8.0*		11	166	6.3	0.14	1.3		0.14	C
	6	17	47	57.3	19-23.7	155-17.5	1.9	0.7	9	100	1.2	0.06	0.4	0.3	0.08	A
	6	19	0	5.6	19-23.9	155-17.4	1.5	1.1	11	85	1.3	0.09	0.5	0.4	0.14	B
	6	19	16	45.5	19-24.0	155-16.3	2.1	0.7	9	143	1.6	0.04	0.3	0.2	0.05	B
	6	20	33	34.4	19-47.0	155- 9.8	13.0*		16	197	22.2	0.16	1.3		0.13	C
	6	20	46	25.1	19-23.9	155-15.5	2.0	1.8	20	70	2.6	0.18	0.5	0.6	0.16	B
	6	23	22	57.2	19-23.2	155-15.1	2.8	1.1	11	149	2.0	0.07	0.4	1.5	0.08	B
	6	23	34	3.3	19-24.0	155-17.2	2.0	0.7	7	128	1.2	0.03	0.3	0.1	0.03	B
	6	23	39	40.0	19-23.6	155-17.3	1.8	1.4	13	91	0.7	0.03	0.2	0.1	0.06	A
	7	0	11	18.1	19-24.0	155-28.9	3.5	2.0	19	82	12.1	0.09	0.6	1.0	0.19	B
	7	0	27	21.3	18-42.4	155- 4.4	8.0*		14	303	64.7	1.89	11.7		0.18	D
	7	0	33	48.1	18-59.7	155-12.8	11.6*		12	278	32.1	0.64	4.1		0.15	D
	7	0	57	7.2	19-35.9	155-48.4	9.8	2.1	13	173	10.4	0.11	1.3	1.7	0.11	C
	7	3	41	19.9	19-22.7	155-22.5	3.7		12	207	5.2	0.19	1.1	1.1	0.14	C
	7	4	35	17.5	19-19.6	155-10.9	8.0*		11	236	5.0	0.23	1.4		0.10	D
	7	6	16	50.5	19-23.4	155-17.0	1.2	1.4	12	102	0.1	0.08	0.5	0.4	0.16	B
	7	7	5	53.6	19-23.4	155-17.4?	3.4*		7	147	0.8	0.16	1.3		0.11	C
	7	8	35	13.8	19-23.9	155-17.1	2.2	0.6	9	138	1.0	0.02	0.2	0.1	0.04	B
	7	8	59	2.0	19-40.6	155-56.8?	8.5*	2.0	12	208	17.5	0.51	3.8		0.45	D
	7	9	26	23.5	19-18.4	155-15.0	13.9	1.4	9	208	5.2	0.13	0.8	1.2	0.04	B
	7	12	20	38.7	19-24.2	155-16.1	1.9	0.6	7	212	2.0	0.14	0.6	0.3	0.05	B
	7	12	46	45.0	19-24.1	155-17.7	1.5	0.7	9	92	1.2	0.04	0.2	0.2	0.06	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP	7	12	50	11.2	19-24.0	155-15.7	2.1*	0.7	7	224	2.5	0.14	0.8		0.06	C
	7	12	51	24.1	19-23.2	155-16.1	1.5	1.1	10	94	1.5	0.11	0.6	C.5	0.18	B
	7	14	6	45.4	19-23.5	155-17.4	1.7	0.7	10	86	0.9	0.C5	0.3	C.3	0.08	A
	7	14	22	36.4	19-24.3	155-15.7	5.9	1.4	14	120	2.5	0.07	0.6	C.6	0.12	B
	7	14	54	25.0	19-42.3	154-54.9	8.0*	2.7	7	280	27.0	0.50	3.4		0.07	D
	7	15	48	23.3	19-23.6	155-14.6	1.5		7	184	3.2	0.07	0.3	0.3	0.03	B
	7	17	44	23.0	19-23.7	155-17.3	2.5		7	136	0.9	0.09	0.4	1.2	0.06	B
	7	18	14	43.4	19-23.7	155-17.1	2.6	1.7	16	60	0.6	0.C6	0.4	1.1	0.10	B
	7	18	46	4.4	19-23.5	155-16.8	13.2	1.5	18	69	0.4	0.C4	0.5	0.3	0.09	A
	7	19	51	52.0	19-18.9	155-14.8	13.8	1.5	9	200	5.0	0.24	0.9	1.9	0.06	B
	7	19	56	7.3	19-18.0	155-13.3	5.2	3.7	29	154	7.9	0.16	0.9	0.8	0.28	C
	7	20	6	53.8	19-60.0	155-44.7	0.5	2.5	19	150	14.6	0.23	0.9	C.4	0.12	B
	7	20	30	12.8	19-18.6	155-13.8	8.0*	1.4	11	215	6.5	0.20	1.4		0.17	C
	7	20	55	22.1	19-18.4	155-13.4	5.7	1.6	19	156	7.1	0.12	0.8	0.7	0.19	C
	7	20	59	9.6	19-24.1	155-26.2	3.9	1.6	18	76	8.7	0.C9	0.7	1.1	0.18	B
	7	21	19	45.8	19-18.7	155-13.5	12.9	1.1	9	248	6.5	0.30	1.1	2.0	0.05	C
	7	21	41	36.C	19-24.0	155-17.3	2.0		8	125	1.3	0.C3	0.3	C.1	0.04	B
	7	22	31	29.7	19-23.6	155-14.7	1.1		9	177	3.1	0.09	0.4	C.4	0.08	B
	8	0	52	23.5	19-37.0	155- 3.4?	2.0*	2.2	7	347	32.6	2.81	11.1		0.23	D
	8	0	56	36.4	19-23.9	155-17.3	4.5	0.8	7	123	1.1	0.41	1.1	2.8	0.07	B
	8	0	59	18.0	19-24.4	155-17.2	3.7	0.6	7	128	0.9	0.10	0.4	C.7	0.03	B
	8	1	0	28.3	19-23.9	155-17.3	3.6	0.7	7	122	1.2	0.17	0.5	1.3	0.05	B
	8	1	5	41.3	19-23.6	155-16.3	16.7	2.3	21	69	1.2	0.10	0.9	1.2	0.14	B
	8	1	45	46.4	19-24.7	155-24.1	4.2	1.4	15	182	8.0	0.16	1.0	1.5	0.14	C
	8	2	22	33.2	19-18.3	155-12.7	13.9	1.6	9	231	7.7	0.14	1.0	1.1	0.05	C
	8	2	44	50.1	19-23.9	155-17.3?	2.0		7	125	1.1	0.C3	0.3	C.1	0.04	B
	8	2	50	54.3	19-24.2	155-17.7	1.9		8	116	1.0	0.C3	0.3	0.2	0.05	A
	8	3	9	48.9	19-16.6	155-19.0	26.7	1.6	16	194	2.5	0.33	2.4	2.9	0.15	C
	8	4	24	3.7	19-23.7	155-17.2?	3.4	1.0	7	130	0.8	0.13	0.5	1.4	0.11	B
	8	4	34	38.9	19-18.5	155-13.5	8.0*	1.1	13	203	6.8	0.14	1.0		0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 8	4	43	1.5	19-25.0	155-16.0?	7.1	1.1	10	190	1.7	0.30	1.7	2.2	0.15	C
8	5	23	25.4	19-24.0	155-17.0	3.8		8	147	1.2	0.13	0.5	1.0	0.05	B
8	5	23	47.6	19-23.7	155-17.4	3.2		6	136	1.0	0.18	0.8	1.8	0.06	B
8	5	24	23.5	19-23.9	155-17.6	7.2		7	130	1.5	0.21	1.3	1.6	0.07	B
8	5	29	14.1	19-23.6	155-17.6	2.0		7	141	1.2	0.11	0.7	C.4	0.09	B
8	6	18	11.6	19-24.0	155-17.7	1.7	1.0	13	66	1.3	0.06	0.4	C.3	0.11	B
8	6	45	29.5	19-24.3	155-14.6	8.9		7	264	4.2	2.50	9.8	14.0	0.16	D
8	10	29	47.9	19-42.3	155- 7.5	26.9	2.4	19	183	23.1	0.23	1.0	3.1	0.10	C
8	12	2	46.4	19-26.2	155-24.0	6.2	2.0	16	73	6.4	0.14	1.2	1.2	0.23	C
8	12	38	5.5	19-19.6	155-11.1	8.0*	1.5	9	169	5.2	0.07	0.6		0.07	C
8	12	45	26.7	19-20.7	155-11.6	8.6		6	198	3.7	0.19	2.1	1.8	0.07	C
8	14	52	16.1	19-23.9	155-16.7	2.0	0.6	11	129	1.1	0.06	0.4	0.2	0.09	B
8	15	16	35.4	19-22.9	155-29.0	5.3	2.0	17	65	11.2	0.08	0.6	C.7	0.18	B
8	17	42	18.8	19-44.5	155- 6.2?	2.1*	2.3	7	349	40.4	1.41	11.9		0.18	D
8	18	31	12.8	19-24.1	155-17.1	2.5		7	133	1.2	0.03	0.2	C.5	0.02	B
8	18	33	48.0	19-24.4	155-23.6	7.7	1.9	21	72	6.9	0.06	0.5	0.5	0.15	B
8	19	37	58.0	19-23.6	155-14.7	1.3	1.0	9	179	3.1	0.09	0.4	C.3	0.07	B
8	19	52	11.0	19-23.8	155-14.8	1.2		9	180	3.1	0.09	0.4	C.4	0.07	B
8	20	13	16.5	19-15.8	155-20.5	8.0*	1.8	15	152	5.1	0.21	1.7		0.28	C
8	23	37	1.4	19-24.1	155-17.6	1.8	0.4	10	99	1.1	0.03	0.2	C.1	0.05	A
8	23	44	33.8	19-23.2	155-14.8	2.0	1.0	10	153	2.4	0.08	0.4	C.3	0.06	B
9	0	39	23.7	19-21.3	155-23.6	6.4	1.9	15	109	2.1	0.10	0.9	C.8	0.17	B
9	0	52	17.2	19-18.3	155-13.3	8.0*		9	226	7.5	0.21	1.3		0.10	D
9	1	21	51.3	19-23.6	155-17.5	2.1	0.5	6	144	1.0	0.02	0.1	C.1	0.01	B
9	1	31	17.9	19-23.2	155-14.9	2.1	1.0	11	152	2.2	0.05	0.3	3.0	0.07	C
9	1	33	57.2	19-23.3	155-14.6	1.9	1.0	10	159	2.8	0.11	0.4	C.4	0.07	B
9	1	46	59.1	19-24.5	155- 9.1	5.0		11	155	4.7	0.13	1.0	1.2	0.12	C
9	2	27	16.6	19-23.1	155-14.8	2.2		10	157	2.3	0.15	0.5	0.4	0.08	B
9	2	43	18.8	19-23.5	155-14.7	1.6		9	175	3.0	0.10	0.4	C.4	0.07	B
9	3	19	7.1	19-23.3	155-14.6	4.7	1.5	12	110	2.8	0.08	0.3	C.8	0.06	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 9	3	20	26.2	19-23.6	155-14.9	1.2	0.9	11	162	2.8	0.09	0.4	C.4	0.11	C
9	3	24	27.3	19-23.0	155-15.0?	2.5	1.4	16	110	1.9	0.17	0.6	C.6	0.15	B
9	3	54	43.4	19-23.4	155-14.9	1.6	1.0	11	157	2.6	0.14	0.5	C.5	0.11	C
9	3	55	28.9	19-23.4	155-14.9	3.1	1.0	11	157	2.5	0.05	0.2	C.9	0.04	B
9	4	30	32.0	19-28.9	155-17.4?	8.0*	1.3	8	321	6.4	0.41	4.0		0.27	D
9	4	31	25.7	19-17.8	155-13.7	8.0*	1.0	12	231	7.7	0.25	1.5		0.14	D
9	6	13	1.4	19-25.4	155-15.9	8.6	1.2	8	260	2.1	0.87	5.0	4.4	0.18	D
9	6	21	51.5	19-22.9	155-15.9	3.0	1.3	12	84	0.9	0.13	0.8	1.9	0.16	B
9	7	24	2.6	19- 9.0	155-39.5?	4.5	2.1	8	325	20.4	0.58	5.4	4.6	0.14	D
9	9	25	8.9	19-23.4	155-16.9	3.9	2.6	19	72	0.1	0.08	0.7	C.8	0.22	B
9	10	0	33.8	19-23.6	155-24.6?	6.9	1.8	15	78	6.6	0.08	0.7	1.2	0.14	B
9	10	6	42.6	19-21.5	155-12.8	13.9		9	158	4.4	0.12	0.7	1.1	0.04	B
9	10	45	0.4	19-24.0	155-17.8	1.5	0.7	9	105	1.4	0.03	0.2	C.2	0.05	A
9	11	30	51.7	19-25.3	155-19.2?	8.9	1.5	10	226	2.8	1.05	3.2	5.9	0.28	D
9	11	42	0.2	19-18.8	155-14.7	5.8	1.6	11	202	5.3	0.30	1.7	1.2	0.24	C
9	12	37	2.3	19-23.6	155-17.2	2.4	1.2	8	133	0.7	0.09	0.7	1.4	0.08	B
9	14	4	56.1	19-23.8	155-14.3	2.3*		7	273	3.8	0.31	1.4		0.05	D
9	17	49	10.4	19-23.3	155-14.9	4.4		10	161	2.4	0.23	0.8	1.9	0.10	C
9	17	57	6.6	19-23.5	155- 2.0	8.0*		6	138	6.8	0.22	2.2		0.19	C
9	18	53	26.4	19-23.7	155-14.7	1.4	0.7	8	185	3.2	0.06	0.2	C.2	0.04	B
9	18	55	4.1	19-20.0	155-12.9	5.7		16	158	4.5	0.15	1.0	C.9	0.24	C
9	19	3	28.0	19-19.8	155-12.9	5.8	1.2	14	163	5.0	0.16	1.2	1.0	0.24	C
9	19	26	52.6	19-23.7	155-17.5	1.8	1.2	13	83	1.1	0.09	0.5	C.4	0.12	B
9	19	42	40.0	19-23.9	155-17.4	1.9		8	122	1.2	0.03	0.3	0.1	0.04	B
9	20	27	52.5	19-24.2	155-17.7	1.8	0.6	9	119	1.0	0.03	0.3	C.2	0.05	A
9	21	10	3.6	19-23.7	155-15.5	1.5		8	225	2.5	0.13	0.5	0.3	0.06	B
9	21	41	9.0	19-17.9	155-59.6	8.0*	2.0	16	300	25.7	1.19	7.3		0.15	D
9	21	50	8.5	19-20.7	154-51.7?	8.0*	1.8	8	348	41.4	2.63	13.5		0.21	D
9	22	14	52.3	19-19.5	155-12.3	4.3	1.9	21	148	5.4	0.13	0.8	C.9	0.24	C
9	23	28	55.1	19-24.0	155-17.0	2.0		8	140	1.2	0.03	0.3	C.1	0.04	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 10	2	5	C.7	19-19.9	155-12.8	4.1	1.8	20	187	4.7	0.19	1.1	1.1	0.27	C
10	2	7	16.2	19-23.9	155-17.2?	1.7		7	128	1.1	0.11	0.7	1.7	0.08	B
10	2	45	46.1	19-24.5	155-23.1	2.6	1.4	14	176	6.2	0.13	0.7	1.6	0.11	C
10	4	28	8.8	19-23.9	155-17.2	2.0	0.8	8	129	1.0	0.04	0.3	0.2	0.06	B
10	4	37	58.4	19-21.9	155- 6.5?	0.0	1.5	12	131	7.3	7.70	0.9	14.7	0.19	C
10	5	18	39.7	18-54.2	155-11.1	13.5*		17	263	45.8	0.45	3.0		0.15	D
10	6	7	3.6	19-35.1	155- 7.4?	8.0*	1.3	12	224	24.4	0.86	6.4		0.44	D
10	7	15	1.2	19-22.5	155-26.0	8.3		14	113	6.3	0.08	0.8	2.0	0.11	B
10	9	21	56.6	19-23.6	155-17.4	1.4	1.3	12	87	0.9	0.08	0.4	C.4	0.13	B
10	11	38	18.8	19-24.0	155-17.7	1.3	1.1	10	95	1.3	0.04	0.2	C.2	0.07	A
10	12	9	18.1	19-37.6	156- 7.7?	38.1	2.2	16	265	24.6	0.37	2.6	1.7	0.13	D
10	12	27	30.8	19-23.7	155-17.3	1.8	1.3	11	91	0.9	0.04	0.3	C.2	0.06	A
10	17	38	21.4	19-23.6	155-22.1	7.7	2.4	22	58	4.2	0.05	0.5	C.4	0.16	B
11	0	34	58.0	19-26.3	155-29.1	6.6		16	111	12.0	0.06	0.5	C.4	0.10	B
11	5	15	54.1	19-23.1	155-23.8	7.1	1.6	18	127	5.5	0.09	0.6	C.5	0.17	B
11	5	30	13.2	19-19.7	155-10.5	5.1	2.2	24	150	4.5	0.13	0.8	C.7	0.25	C
11	5	37	3.5	19-24.2	155-17.9	1.8	0.4	8	118	1.1	0.02	0.1	C.1	0.03	A
11	10	2	53.2	19-23.8	155-16.8	1.9	1.7	14	114	C.8	0.07	0.5	C.3	0.15	B
11	11	33	13.6	19-18.9	155-15.5	6.0		13	194	4.1	0.17	1.2	C.9	0.21	C
11	16	0	34.1	19-23.6	155-16.9	3.2	3.1	21	48	0.5	0.06	0.5	0.6	0.18	B
11	19	23	21.7	19-24.5	155-17.3?	2.4*	0.5	7	113	0.6	0.18	1.1		0.11	C
12	1	34	5.7	19-13.2	155-27.6	29.3		16	122	6.8	0.54	2.3	4.8	0.12	B
12	4	40	47.0	19-24.3	155-17.5	1.3	1.2	12	101	C.8	0.05	0.3	C.3	0.10	B
12	5	59	1.0	19-21.5	155- 7.4	8.0*		9	178	8.4	0.15	2.2		0.14	C
12	6	55	24.7	19-26.2	155-16.3	10.2	1.5	8	292	2.7	0.73	4.6	3.4	0.16	D
12	8	31	2.9	19-24.2	155-17.3	4.6		7	119	0.9	0.08	0.2	C.5	0.01	B
12	9	0	42.4	19-20.5	155-10.1	9.6		8	158	3.0	0.12	1.2	1.8	0.05	C
12	9	6	59.7	19-23.6	155-17.2	2.0		9	95	0.6	0.05	0.3	C.2	0.06	A
12	10	8	9.6	19-24.2	155-17.1	3.5	0.9	7	135	1.1	0.04	0.2	C.3	0.01	B
12	11	2	35.9	19-23.8	155-14.6	1.5		7	188	3.3	0.02	0.1	C.1	0.01	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 12	12	9	56.6	19-23.9	155-17.5	2.2	0.6	8	104	1.4	0.07	0.5	C.3	0.08	A
12	12	31	7.6	19-20.2	155-11.8	6.9	1.6	18	159	4.5	0.11	0.9	0.6	0.21	C
12	13	0	49.8	19-18.8	155-15.2	9.9		12	199	4.5	0.16	0.9	1.3	0.10	B
12	14	9	56.3	19-19.0	155-15.2	12.4		10	193	4.4	0.13	0.5	1.0	0.03	B
12	14	58	30.4	19-18.1	155-23.8?	4.1	2.0	19	112	4.0	2.42	0.7	4.6	0.20	B
12	15	36	33.7	19-17.9	155-25.5	6.8	2.3	20	106	5.7	0.13	1.1	1.0	0.25	B
12	18	14	58.2	19-18.9	155-13.5	8.9	1.6	19	152	6.3	0.06	0.5	1.2	0.10	C
12	19	18	11.5	19-24.2	155-17.6	1.9	0.5	8	116	1.0	0.04	0.3	C.3	0.06	A
12	20	21	55.0	19-22.7	155-17.4	2.7	0.9	11	66	1.4	0.04	0.2	C.7	0.04	A
12	21	26	40.4	19-12.3	155-32.7?	6.4	2.2	10	247	9.9	6.25	4.8	2C.0	0.20	D
12	22	10	25.7	19-23.3	155-17.2	2.5		6	151	0.5	0.05	0.4	C.6	0.03	B
12	22	12	8.9	19-26.0	155-19.1	10.5	1.4	11	259	2.8	0.97	4.8	5.0	0.26	D
12	23	3	48.0	19-23.8	155-17.0	2.1		7	139	0.7	0.04	0.4	C.2	0.05	B
13	0	8	32.5	19-24.7	155-22.6	4.9	1.3	16	148	5.5	0.08	0.6	C.7	0.13	B
13	0	23	45.2	19-22.5	155-14.2	1.9	1.2	8	150	2.4	0.11	0.8	C.5	0.09	B
13	0	45	58.7	19-23.7	155-15.1	1.4		9	163	2.8	0.15	0.6	C.6	0.11	C
13	1	13	27.7	19-20.8	155-17.4	27.0	1.7	21	122	4.1	0.12	0.7	1.2	0.11	B
13	1	14	57.7	19-23.7	155-17.1	2.1	0.4	7	136	0.6	0.06	0.5	0.2	0.07	B
13	3	40	3.3	19-23.6	155-17.2	2.5	0.8	6	138	0.6	0.05	0.4	C.6	0.03	B
13	4	12	20.0	19-23.1	155-17.3	2.3	0.6	7	158	0.7	0.08	0.5	0.2	0.05	B
13	5	12	50.9	19-19.4	155-11.1	7.2		6	236	5.4	0.10	1.0	C.7	0.02	C
13	6	13	11.3	19-19.6	155-16.8	9.1	1.0	7	192	1.3	0.10	0.4	C.7	0.01	B
13	6	22	36.7	19-14.6	155- 8.8	8.0*		8	298	13.9	1.22	6.3		0.12	D
13	6	46	29.7	19-23.7	155-17.1	2.7	1.0	6	136	0.7	0.03	0.2	C.4	0.01	B
13	8	36	39.3	19-23.9	155-17.2?	1.3	0.5	7	128	1.1	0.13	0.9	2.7	0.12	B
13	8	51	57.0	19-20.2	155- 7.6	8.0*		10	164	5.2	0.07	0.7		0.09	C
13	10	18	20.9	19-23.4	155-17.0	2.4		6	143	0.2	0.04	0.4	0.5	0.03	B
13	10	33	37.3	19-23.9	155-17.0	2.0	0.6	8	142	1.0	0.04	0.4	C.2	0.05	B
13	10	58	33.9	19-24.0	155-17.1?	2.1		7	132	1.1	0.03	0.3	0.1	0.04	B
13	12	13	8.5	19-23.4	155-17.5	23.9	2.3	26	52	1.1	0.15	1.0	1.6	0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 13	12	39	52.7	19-17.4	155-22.0	5.8	2.2	21	136	5.7	0.08	0.7	0.7	0.18	C
13	14	39	12.3	19-21.4	155-25.4	4.4	1.9	18	115	4.3	0.09	0.7	0.9	0.20	B
13	16	0	35.8	19-24.6	155-28.0	4.3	1.7	19	80	11.5	0.08	0.6	0.8	0.16	B
13	16	34	38.0	19-16.2	155-17.9	29.2	2.4	23	155	7.3	0.12	0.7	1.2	0.11	C
13	18	31	27.8	19-24.2	155-17.5	3.6		7	111	1.0	0.15	0.5	1.1	0.04	B
13	20	41	27.4	19-22.7	155-17.3	3.2		7	113	1.5	0.07	0.3	0.8	0.03	B
14	1	12	58.1	19-20.1	155-19.7	2.1*		13	118	4.0	0.06	0.4		0.09	B
14	1	37	39.4	19-19.2	155-14.7	9.2		9	193	4.9	0.28	1.9	2.9	0.16	C
14	2	5	18.2	19-18.5	155-13.9	8.0*		9	247	6.6	0.61	3.6		0.22	D
14	2	41	22.8	19-22.8	155-17.1	3.0		9	103	1.1	0.03	0.3	0.9	0.04	A
14	3	13	19.5	19-12.2	155-25.4	2.8	2.1	19	151	6.6	0.14	1.0	1.1	0.21	C
14	6	7	12.4	19-24.2	155-29.7	5.4	1.8	19	93	13.5	0.08	0.6	0.7	0.18	B
14	11	30	32.7	19-21.4	155- 1.0?	9.9		12	187	4.3	0.39	3.2	6.6	0.26	C
14	11	34	35.8	19-22.6	155-17.0	13.9	1.7	21	72	1.4	0.09	0.8	1.1	0.17	B
14	13	48	29.8	19-17.6	155-13.0	0.6*	1.6	12	196	8.6	0.25	1.4		0.27	C
14	19	49	56.4	19-44.3	155-57.8	9.0	2.4	22	215	14.2	0.21	1.8	2.8	0.22	D
14	23	30	53.1	19-17.3	156-27.9	8.0*	2.4	22	306	62.8	1.69	10.3		0.16	D
15	0	22	40.9	19-19.9	155-20.3	1.5		10	136	4.6	0.15	0.4	0.7	0.06	B
15	0	29	53.2	19-19.8	155-12.1?	8.6	2.1	16	163	4.9	0.17	1.4	0.7	0.17	D
15	0	58	19.9	19- 9.0	155-36.4?	8.0*		10	313	15.1	1.06	6.8		0.15	D
15	1	2	21.1	19-19.7	155- 8.5	3.3	2.0	22	184	5.0	0.19	1.0	1.0	0.20	C
15	1	20	49.4	19-19.1	155-15.4	5.8		13	190	4.0	0.19	1.2	0.9	0.20	C
15	2	7	20.8	19-22.5	155-14.3	3.6	1.2	11	141	2.2	0.14	0.7	1.7	0.10	B
15	2	32	46.0	19-18.1	155-13.9?	0.0	1.8	20	176	7.1	8.62	1.4	16.2	0.35	D
15	5	34	35.0	19-19.3	155- 3.8	27.0		10	210	2.0	0.72	2.6	5.9	0.08	C
15	5	47	25.9	19-24.0	155-22.6?	0.9	1.4	12	164	5.1	1.53	0.6	5.7	0.12	C
15	8	34	1.1	19-19.5	155-12.3	8.0*	1.7	13	149	5.5	0.07	0.6		0.12	C
15	10	24	23.1	19-22.3	155- 6.6	4.0	2.2	21	114	5.7	0.11	0.8	1.1	0.24	B
15	14	8	32.6	19-13.9	155-26.0	1.4	2.2	20	127	8.8	0.39	0.9	1.4	0.24	C
15	15	33	13.1	19-42.1	155-57.0	12.2	2.8	23	174	20.1	0.13	1.1	1.0	0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 15	16	6	8.1	19-29.5	155-34.9?	7.5	2.1	17	193	1.9	0.17	1.2	1.4	0.14	C
15	22	52	9.7	18-52.4	155-16.4	4.9		13	288	37.4	1.81	4.7	9.8	0.12	D
15	23	8	8.1	18-52.3	155-16.9	C.2*		15	256	37.1	0.32	2.1		0.13	D
15	23	10	57.2	18-53.3	155-16.3	8.9	2.3	18	253	36.2	0.41	1.9	2.4	0.12	C
15	23	54	5.2	19-18.7	155-14.8?	1.7		15	204	5.2	0.23	1.2	1.9	0.26	C
16	C	26	48.8	19-21.0	155- 9.6	7.8		15	187	2.0	0.18	1.5	C.7	0.15	C
16	1	20	27.9	18-56.4	155-17.0	9.5		18	279	30.9	0.59	3.4	2.5	0.13	D
16	2	29	39.1	18-55.5	155-15.9	16.6*	2.4	21	281	33.3	0.33	2.2		0.16	D
16	2	41	45.7	18-55.9	155-16.9	9.4		16	281	31.7	0.67	3.8	2.6	0.13	D
16	2	58	38.0	18-55.4	155-17.0	9.5		16	282	32.3	0.72	4.1	2.7	0.14	D
16	3	52	3.6	18-53.4	155-16.5	9.4	2.3	19	252	35.7	0.42	2.1	2.5	0.13	C
16	4	4	55.9	18-53.0	155-16.5	4.4	2.9	26	254	36.4	1.55	3.2	1C.6	0.20	D
16	5	2	40.6	18-55.8	155-26.5	27.7		19	240	24.2	0.44	2.3	4.8	0.14	C
16	5	18	2.7	18-50.0	155-16.4	2.1*	2.6	18	293	41.1	0.92	5.6		0.14	D
16	6	13	3.2	18-54.2	155-17.4	8.8		8	268	33.6	1.33	6.5	6.0	0.14	D
16	6	22	43.2	18-51.6	155-16.3	4.3		14	296	38.7	2.45	6.4	12.0	0.12	D
16	6	52	14.6	18-53.7	155-16.0	1C.4*		12	286	35.8	0.74	4.6		0.14	D
16	7	0	3.5	18-52.0	155-16.9	C.9*		10	263	37.6	0.49	3.1		0.14	D
16	11	5	57.2	19-22.0	155-13.1	6.1	1.5	11	130	4.9	0.C6	0.6	C.6	0.07	B
16	14	22	25.0	18-53.5	155-16.9	8.4		14	252	35.3	0.50	2.4	3.0	0.12	C
16	14	38	21.4	18-52.6	155-15.4	2.0*		14	255	38.0	0.35	2.3		0.15	D
16	14	43	9.0	18-53.8	155-18.0	11.8*		7	255	33.8	0.85	6.0		0.19	D
16	15	13	37.7	19-18.6	155-14.5	9.7	1.5	12	209	5.8	0.20	0.9	1.6	0.08	B
16	19	26	36.9	19-22.7	155-26.7	3.6	1.7	18	75	7.6	0.C8	0.6	1.2	0.18	B
16	22	26	42.5	19-22.5	155-24.0	5.6	1.4	20	113	4.4	0.C9	0.7	C.7	0.18	B
17	1	21	26.1	19-18.2	155-15.3	9.1	1.9	12	181	5.1	0.14	0.9	1.5	0.11	C
17	1	51	56.8	19-20.4	155-12.8	9.2	1.1	12	186	3.8	0.15	0.7	1.2	0.07	B
17	3	44	48.6	19-23.9	155-17.8	1.7		8	133	1.6	0.C3	0.2	0.2	0.05	B
17	4	41	10.1	19-24.1	155-15.3	1.3	0.8	8	239	3.1	0.18	0.7	C.3	0.06	C
17	5	55	C.9	18-56.1	155-18.1?	6.4	2.4	18	242	30.1	0.77	4.9	7.2	0.38	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 17	6	6	20.9	18-58.8	155-19.9?	14.5*	2.4	15	232	24.1	0.45	3.3		0.31	D
17	6	58	5.4	19- 2.8	155-20.6?	12.5*		11	286	17.7	0.98	6.2		0.23	D
17	9	25	17.4	18-56.3	155-17.5?	12.6	2.7	25	242	30.4	0.31	1.7	6.8	0.16	D
17	10	30	48.4	18-57.9	155-16.5?	23.1*	2.5	19	295	37.2	0.50	3.3		0.18	D
17	12	13	41.8	19-24.9	155-24.9?	0.0	1.5	12	102	9.2	0.13	1.0	19.3	0.20	B
17	12	48	8.5	19-25.8	155-29.1	6.7	1.8	20	83	12.5	0.08	0.6	C.5	0.16	B
17	14	29	8.8	19-23.7	155-15.7	2.2		6	214	2.2	0.48	2.1	1.2	0.06	C
17	15	47	1.6	19-23.4	155-14.5	1.6	0.9	8	174	3.1	0.05	0.2	C.2	0.03	B
17	16	20	10.7	19-23.4	155-14.6	2.9		13	108	2.9	0.08	0.4	1.4	0.08	A
17	16	27	6.9	19-23.3	155-14.9	1.9	1.0	10	155	2.4	0.13	0.5	0.4	0.09	B
17	16	27	33.5	19-23.3	155-14.6	4.1	1.4	11	157	2.8	0.07	0.3	C.7	0.05	B
17	16	40	10.2	19-23.4	155-15.0	2.2*		9	156	2.4	0.06	0.5		0.08	C
17	16	58	50.9	19-23.6	155-14.8	1.0	0.8	9	167	3.0	0.09	0.4	C.5	0.09	B
17	18	18	9.3	19-23.0	155-14.6	1.5	0.4	10	152	2.5	0.08	0.4	C.3	0.10	B
17	19	2	35.8	19-23.8	155-16.8	1.9	0.9	10	154	0.8	0.03	0.3	0.1	0.04	B
17	19	25	20.0	19-18.5	155-13.0	8.0*	1.4	9	223	7.2	0.16	1.0		0.09	C
17	20	10	24.5	18-53.0	155-15.9	8.6	2.6	21	253	37.0	0.41	1.9	2.4	0.12	C
17	20	29	7.8	18-58.1	155-17.0	11.3	2.6	23	275	28.4	0.37	2.9	3.3	0.21	D
17	20	34	24.9	18-59.6	155-16.0?	8.0	2.6	19	232	27.6	0.50	4.3	12.5	0.25	D
17	20	35	18.5	18-55.0	155-16.1	6.8	2.2	16	288	33.9	1.25	3.2	6.7	0.08	D
17	20	36	11.6	19-30.3	155-11.8?	4.7	1.7	20	73	13.6	0.22	1.4	5.0	0.29	B
17	20	49	45.1	18-55.8	155-16.1	8.0		19	251	32.7	0.34	1.7	1.9	0.10	C
17	21	9	49.8	19-29.1	155-14.8	15.1		15	97	8.4	0.12	1.0	2.5	0.11	B
17	21	16	22.7	19-33.6	155-15.6?	3.2*	1.5	7	337	15.5	9.98	74.1		0.18	D
17	21	36	16.4	19-20.8	155-12.8	11.8	0.8	9	177	3.2	0.31	1.1	2.5	0.07	C
17	22	2	19.7	18-53.9	155-16.3	9.2	2.5	17	257	35.2	0.39	1.9	2.1	0.10	C
17	23	8	6.3	19-21.9	155-13.5	1.9	1.1	9	145	2.1	0.05	0.3	0.2	0.05	B
17	23	21	5.0	19-23.0	155-14.5	1.3	0.4	10	153	2.7	0.06	0.3	0.3	0.07	B
17	23	45	17.3	19-23.9	155-15.9	3.2	0.9	11	159	2.0	0.08	0.4	0.9	0.07	B
17	23	59	41.0	19-23.2	155-17.9	1.8		7	169	1.7	0.11	0.5	0.4	0.08	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 18	0	7	14.6	19-23.9	155-17.1	2.0	0.9	8	137	1.0	0.04	0.4	0.1	0.05	B
18	0	37	35.6	19-23.7	155-16.8	2.0	0.6	7	152	0.7	0.06	0.5	0.2	0.06	B
18	0	44	55.6	19-23.7	155-14.9	1.4		9	175	3.0	0.13	0.5	0.4	0.07	B
18	0	49	22.6	19-24.5	155-17.3	3.4	1.3	13	73	0.5	0.04	0.2	0.4	0.05	A
18	1	29	26.3	19-24.5	155-17.6	2.0	0.9	10	91	0.5	0.07	0.7	0.4	0.11	B
18	2	54	55.5	18-57.6	155-16.2	10.5	2.1	19	276	30.1	0.28	1.7	1.5	0.12	C
18	2	56	30.0	18-57.5	155-15.9?	10.8	2.4	19	277	30.4	0.35	2.2	1.9	0.16	C
18	3	1	0.7	18-53.6	155-16.0	7.7	2.5	16	258	36.0	1.53	2.3	9.0	0.12	D
18	3	3	38.2	19- 2.4	155-19.6	13.8*	2.1	17	265	19.5	0.82	5.3		0.28	D
18	3	4	13.1	18-52.9	155-16.8	6.7	2.0	12	293	36.2	2.43	6.3	11.9	0.13	D
18	3	6	18.3	18-53.0	155-16.4	8.0*	2.1	20	254	36.4	0.36	2.4		0.13	D
18	3	8	4.9	18-57.3	155-17.4	8.9		15	282	29.0	0.68	3.6	2.1	0.12	D
18	3	8	15.8	18-25.7	155-15.8	8.0*		10	339	83.6	6.70	39.3		0.08	D
18	3	12	41.2	18-51.9	155-16.8	10.1*		15	298	37.8	0.80	5.0		0.11	D
18	3	18	59.7	18-54.9	155-17.1	7.4		15	253	33.0	0.89	1.8	5.2	0.11	D
18	3	19	53.5	18-54.4	155-16.4	8.6	2.1	19	249	34.3	0.44	2.1	2.7	0.13	C
18	3	21	5.3	18-54.0	155-15.9	6.7	2.1	18	251	35.5	0.78	1.6	4.7	0.11	C
18	3	22	6.3	18-53.7	155-16.1	6.8	2.2	20	251	35.7	1.10	1.6	6.7	0.10	D
18	3	25	3.1	18-54.1	155-16.4	8.2	2.1	18	250	34.8	0.32	1.5	2.0	0.10	C
18	3	28	20.7	18-53.5	155-16.3	5.5	2.2	17	258	35.8	1.09	2.2	7.3	0.10	D
18	3	35	55.0	18-54.2	155-16.0	8.3	2.1	19	250	35.1	0.35	1.7	2.2	0.11	C
18	3	37	2.3	18-54.0	155-16.4	8.6	2.3	19	250	34.9	0.38	1.8	2.3	0.11	C
18	3	40	45.2	19-23.9	155-16.2	1.9		7	195	1.6	0.12	0.7	0.3	0.07	B
18	3	43	25.6	19- 1.1	155-13.8?	7.8	2.4	26	267	29.2	0.87	5.3	4.9	0.39	D
18	3	44	25.0	19- 3.6	155-34.9?	67.4*		8	334	16.3	0.79	15.6		0.37	D
18	3	47	59.9	19- 0.1	155-17.3?	13.5*	2.2	24	229	25.5	0.70	5.0		0.35	D
18	3	50	41.8	19-17.6	155-19.3?	8.0*	1.4	11	162	1.5	4.73	26.6		1.38	D
18	3	51	8.2	18-53.4	155-16.6	8.2	2.7	19	252	35.7	0.48	2.2	2.9	0.12	C
18	3	52	45.7	18-55.0	155-17.6?	0.1	2.1	20	246	32.3	1.20	6.0	2.5	0.37	D
18	3	54	30.0	19-23.3	155-17.1	1.9		8	147	0.2	0.05	0.4	0.2	0.05	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 18	3	56	2.7	18-58.5	155-17.0	10.5	2.2	22	235	27.8	0.23	1.4	2.0	0.14	C
18	4	13	41.5	18-59.4	155-17.8?	10.6	1.9	12	292	25.6	0.46	2.6	1.6	0.10	D
18	4	16	11.8	19-29.8	155-51.5?	5.2	1.7	11	273	27.2	0.41	4.5	4.4	0.25	D
18	4	38	37.2	18-53.5	155-16.5	8.0*		15	292	35.6	0.39	2.4		0.09	D
18	4	39	8.3	18-55.4	155-17.5	10.5	2.6	22	245	31.8	0.32	1.8	2.5	0.15	D
18	5	5	31.8	18-56.2	155-16.7	9.3	2.0	16	280	31.4	0.18	1.1	1.0	0.09	C
18	5	10	24.0	18-53.9	155-16.2	8.0*	2.7	18	250	42.7	0.21	1.5		0.10	D
18	6	7	12.6	19-24.1	155-15.3	1.6		7	239	3.2	0.20	0.7	0.4	0.05	C
18	6	11	21.7	19-24.0	155-15.2	1.1		7	239	3.2	0.13	0.4	0.3	0.04	C
18	6	31	52.5	19-23.8	155-16.9	1.8	0.6	11	112	0.8	0.07	0.6	0.4	0.13	B
18	6	35	26.1	19-23.9	155-17.1	2.1	0.6	7	135	1.0	0.02	0.2	0.1	0.03	B
18	7	21	2.9	18-59.1	155-17.1?	16.0*	2.8	27	233	35.0	0.48	3.3		0.31	D
18	7	27	29.5	18-59.7	155-17.8	10.0	1.7	10	291	25.3	0.38	2.3	1.8	0.08	C
18	7	59	22.9	19-23.0	155-14.6	2.0		10	150	2.4	0.09	0.4	0.3	0.06	B
18	10	12	8.9	19-23.2	155-14.9	2.0		9	153	2.3	0.11	0.4	0.4	0.06	B
18	12	11	46.4	18-56.0	155-17.9?	11.6	2.5	19	247	30.5	0.41	2.4	3.1	0.16	D
18	12	35	19.8	19-24.1	155-17.4?	2.0		7	113	1.1	0.08	0.5	1.8	0.06	B
18	13	43	34.0	18-54.6	155-15.9?	11.3	2.5	23	249	34.7	0.44	3.0	8.3	0.20	D
18	13	49	6.2	18-55.8	155-18.2?	24.6*	2.7	25	244	30.5	0.27	1.9		0.17	D
18	13	55	53.5	18-56.0	155-17.5	14.1*	2.7	22	243	30.9	0.14	1.0		0.12	D
18	14	29	3.3	19-22.9	155-23.3?	8.3	2.1	24	53	5.0	0.08	0.6	0.6	0.17	B
18	14	41	19.8	18-57.1	155-17.0	11.0	2.9	25	278	29.7	0.38	2.7	2.6	0.18	D
18	16	24	20.6	19-24.7	155-17.4	2.0		8	83	0.2	0.04	0.4	0.2	0.06	A
18	17	43	39.9	19-23.4	155-15.2	2.3		9	153	2.2	0.12	0.4	0.4	0.06	B
18	17	53	31.3	19-23.5	155-16.8?	2.1		7	147	0.4	0.05	0.5	0.2	0.06	B
18	18	11	37.4	19-23.5	155-14.7	1.4		9	173	3.0	0.10	0.4	0.4	0.07	B
18	18	25	7.4	19-19.3	155-11.5	8.0*		13	173	5.9	0.07	0.5		0.07	C
18	18	48	48.4	19-23.9	155-17.1	2.1	0.6	7	139	1.1	0.03	0.3	0.1	0.04	B
18	18	48	57.2	19-23.9	155-17.1	2.1	1.5	12	100	1.0	0.03	0.2	0.6	0.05	A
18	18	59	55.2	19-23.8	155-17.1	7.0	1.1	8	136	0.8	0.23	0.9	1.4	0.06	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 18	19	24	6.0	19-23.9	155-17.3?	1.5		8	125	1.1	0.15	0.8	3.1	0.14	B
18	19	24	54.7	19-24.0	155-17.0?	1.8	0.5	7	146	1.2	0.15	0.7	1.5	0.08	B
18	19	35	0.5	19-20.0	155-26.8	5.7	1.8	14	137	6.2	0.11	0.9	C.9	0.19	B
18	19	47	10.4	19-24.3	155-17.3	2.4	1.2	12	80	0.7	0.C3	0.2	C.5	0.05	A
18	20	15	41.4	19-23.7	155-16.9?	2.0	2.4	17	69	2.1	0.10	0.5	C.4	0.16	B
18	20	35	21.3	19-23.8	155-16.9	2.1	0.6	7	149	0.8	0.C3	0.3	C.1	0.03	B
18	20	46	54.5	18-57.7	155-17.3	8.8	2.2	16	280	28.5	0.72	3.8	2.2	0.14	D
18	22	3	13.7	19-24.3	155-18.5	3.1	0.7	9	112	1.9	0.C6	0.3	C.8	0.06	A
18	22	27	8.3	19-24.7	155-17.6	5.1	1.1	8	118	0.2	0.25	0.9	1.8	0.05	A
18	22	39	42.3	19-22.8	155-17.3	2.1		9	110	1.2	0.C6	0.3	C.2	0.05	A
18	22	49	2.4	19-23.8	155-16.9	2.4	0.7	7	146	0.7	0.C5	0.5	C.9	0.05	B
18	23	2	25.1	19-23.2	155-17.2	2.3		7	153	0.6	0.C7	0.4	C.2	0.04	B
18	23	25	29.7	19-23.7	155-17.1	2.0	0.9	10	136	0.7	0.C4	0.4	0.2	0.07	B
18	23	44	15.7	19-23.2	155-17.3	1.9	0.9	7	155	0.7	0.11	0.6	C.4	0.07	B
19	0	8	2.3	19-23.5	155-14.9	1.3		9	162	2.8	0.09	0.4	C.4	0.10	B
19	0	21	55.6	19-23.2	155-17.3	1.8		12	89	0.7	0.C6	0.4	C.2	0.07	A
19	0	38	15.3	19-22.0	155-23.4	10.6	1.6	8	326	7.1	0.61	4.5	3.2	0.11	D
19	1	1	13.7	19-24.0	155-17.4	2.1	0.8	8	119	1.3	0.C3	0.3	C.2	0.05	A
19	1	22	49.1	18-52.7	155-16.0	0.6*	2.6	16	301	37.4	1.07	6.6		0.19	D
19	1	26	33.1	19-22.6	155-26.7?	0.0	1.7	17	126	7.4	0.34	1.1	19.6	0.23	C
19	1	50	8.0	19-23.6	155-17.3	1.9		9	136	0.7	0.C4	0.4	C.1	0.05	B
19	2	51	22.5	19-22.4	155-23.0?	8.4		7	221	6.2	0.40	1.6	4.8	0.09	C
19	3	22	48.3	19-22.9	155-17.2?	2.2		8	107	1.1	0.C5	0.3	C.2	0.04	B
19	3	28	11.7	19-23.2	155-14.7	1.7	1.0	11	154	2.6	0.07	0.3	C.3	0.09	B
19	3	34	28.9	19-23.9	155-17.3	1.9		8	123	1.1	0.C5	0.4	C.2	0.06	B
19	3	55	20.8	19-23.0	155-17.2	2.4		6	162	0.8	0.C8	0.7	1.2	0.05	B
19	3	59	12.0	19-20.7	155- 6.C	8.0*		9	167	5.6	0.19	3.5		0.20	C
19	4	3	33.0	19-23.9	155-17.1	2.0		8	133	0.9	0.C4	0.4	C.2	0.05	B
19	4	10	37.2	19-23.9	155-17.2?	1.4		7	126	1.0	0.13	0.9	2.5	0.12	B
19	4	15	46.2	19-23.8	155-17.2?	3.8		8	128	0.8	0.16	0.5	2.0	0.13	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 19	4	18	4.8	19-23.1	155-17.4	1.7		7	165	1.0	0.14	0.7	C.5	0.08	B
19	4	20	42.1	19-22.9	155-17.4?	1.6		7	171	1.2	0.26	0.8	2.2	0.07	C
19	4	31	53.2	18-53.8	155-16.0	5.9		15	304	35.6	3.98	10.5	17.1	0.14	D
19	4	32	43.0	18-53.7	155-16.9	7.7	2.5	21	251	34.9	1.78	3.3	12.5	0.17	D
19	4	57	22.7	19-24.2	155-17.5	C.9	0.8	11	102	0.9	0.C4	0.2	C.2	0.06	A
19	5	1	51.3	19- 3.8	155-14.4	25.1*		10	320	27.1	1.49	10.0		0.12	D
19	5	7	48.5	19- 2.9	155-16.4?	14.2*	2.7	29	220	23.6	0.68	4.8		0.53	D
19	5	53	28.2	19-19.6	155-11.5	2.0*		8	222	5.4	0.29	1.5		0.14	C
19	5	59	18.0	19-23.2	155-17.4	2.3		7	160	0.9	0.C7	0.5	1.1	0.06	B
19	6	3	30.0	19-22.9	155-17.3	2.8		7	1C7	1.1	0.C5	0.3	C.7	0.03	B
19	6	8	37.4	19-23.0	155-16.9?	1.8		6	157	0.7	0.C7	0.7	1.1	0.06	C
19	6	19	39.8	19-48.5	155-15.2	13.5	2.2	20	166	13.1	0.C8	1.1	1.4	0.11	C
19	6	25	8.7	19-23.7	155-17.0	2.0		7	140	0.5	0.C6	0.6	0.3	0.07	B
19	6	32	3.9	19-23.7	155-17.1	2.2	0.9	7	132	0.7	0.C3	0.2	C.4	0.02	B
19	6	44	41.3	19-23.4	155-17.1	1.9		8	145	0.4	0.C5	0.4	C.2	0.06	B
19	7	17	37.4	19-23.9	155-17.8	1.8	0.8	11	83	1.7	0.C7	0.4	C.4	C.10	B
19	7	18	23.7	19-23.3	155-17.2	2.6		7	152	0.5	0.C6	0.4	C.7	0.03	B
19	7	25	C.9	19-23.7	155-16.9	2.5		6	147	0.6	0.C6	C.5	C.7	0.04	B
19	7	30	12.9	19-23.4	155-17.1	2.4	0.8	8	92	0.3	0.C4	0.3	C.5	0.04	A
19	7	32	11.6	19-21.5	155-13.7?	7.1		7	202	2.6	0.81	2.9	3.8	0.15	C
19	7	53	1.4	19-19.5	155-1C.2	8.0*	1.7	11	172	4.9	0.C9	0.7		C.10	C
19	8	19	51.7	19-12.9	155-32.8	4.7		18	90	8.4	0.14	1.0	1.0	0.23	B
19	10	0	48.3	19-13.4	155-33.8	6.6	3.1	26	93	6.4	C.15	1.1	1.1	0.27	B
19	11	38	47.6	18-55.7	155-16.0	9.9	2.6	26	245	32.9	0.56	3.2	4.4	0.30	D
19	13	36	46.4	19-24.2	155-17.7	C.4	1.0	10	90	1.0	0.11	0.3	0.3	0.08	B
19	14	9	56.7	19-22.4	155-17.2	2.0	1.6	16	74	1.8	0.11	0.5	C.4	0.14	B
19	15	51	28.8	19-18.5	155-12.4?	C.0		17	179	7.3	0.81	1.4	20.5	0.33	D
19	20	13	25.6	19-54.7	155-26.9	36.9*	2.2	24	224	11.2	0.11	1.0		0.09	C
19	20	18	16.2	19-23.0	155-17.5	1.6	0.8	9	109	1.2	0.C7	0.4	C.3	0.07	A
19	20	58	37.7	19-13.7	155-23.1	36.9	2.0	20	213	8.0	0.35	1.7	2.7	0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 19	21	18	36.4	19-29.6	155-21.6	8.7		18	86	3.0	0.11	1.1	1.6	0.19	B
19	22	46	50.1	19-23.9	155-16.7	2.8	0.7	11	122	1.0	0.08	0.4	1.0	0.08	B
20	0	12	7.1	19-23.1	155-16.9?	2.2	0.8	10	102	0.5	0.10	0.6	0.4	0.13	B
20	0	26	43.9	19-23.3	155-17.4	1.7	0.8	12	70	0.8	0.05	0.3	0.3	0.07	A
20	1	33	9.2	19-23.6	155-18.4	4.5	1.2	13	60	2.3	0.23	1.0	2.3	0.23	B
20	2	53	55.6	19-23.8	155-17.1	2.0	0.7	8	135	0.8	0.03	0.3	0.1	0.04	B
20	4	21	43.8	18-59.0	155-17.2?	14.2*	2.7	27	233	26.9	0.58	4.2		0.34	D
20	6	1	59.2	19-23.6	155-16.9	3.2	1.8	15	67	0.5	0.06	0.4	0.6	0.10	B
20	7	22	20.0	19-23.2	155-17.2	1.9	0.8	12	55	0.6	0.06	0.4	0.3	0.08	B
20	7	27	32.8	19-23.5	155-17.4	1.8	0.8	12	88	0.8	0.05	0.4	0.3	0.08	A
20	8	44	56.3	19- 3.1	155-19.0?	6.6		17	216	19.6	0.43	1.7	1.8	0.19	C
20	8	54	23.2	19-20.2	155-14.0	12.0	1.7	11	151	3.7	0.09	0.5	0.9	0.05	B
20	9	32	33.7	19-24.3	155-17.4	2.0	1.0	12	71	0.7	0.03	0.2	0.1	0.04	A
20	10	5	39.8	19-21.0	155-16.4	29.4		15	120	2.4	0.21	0.9	1.9	0.08	A
20	10	15	59.4	19-18.6	155-46.8	6.0	2.5	12	242	18.3	0.52	2.2	1.8	0.12	C
20	11	12	58.8	19-23.1	155-17.2	1.9	0.8	13	57	0.7	0.05	0.3	0.2	0.09	A
20	11	45	32.9	19-27.4	155-10.9?	8.0*	1.6	10	312	9.6	2.00	10.8		0.50	D
20	12	1	23.6	19-18.4	155-14.6	13.6		10	212	5.7	0.07	0.5	0.6	0.03	B
20	12	7	29.4	18-58.6	155-17.8	9.7		16	278	26.8	0.46	2.4	1.4	0.09	C
20	14	26	55.3	19-24.4	155-15.8	2.0		7	237	2.4	0.09	0.5	0.2	0.02	C
20	14	39	40.4	19-24.2	155-12.3?	8.0*	2.1	11	291	6.8	0.63	4.6		0.68	D
20	14	46	31.0	19-23.7	155-16.9	2.0		7	143	0.7	0.05	0.4	0.2	0.05	B
20	15	4	0.7	19-23.9	155-14.8?	1.2		8	190	3.4	0.14	0.5	2.6	0.05	C
20	15	47	16.6	19-23.3	155-14.7	2.0	1.0	10	165	2.6	0.14	0.5	0.4	0.07	B
20	15	50	45.9	19-23.9	155-16.3	1.5		8	145	1.4	0.13	0.7	0.5	0.13	B
20	18	41	0.7	19-23.0	155-17.0	2.2	1.1	14	90	0.8	0.05	0.3	1.0	0.09	A
20	19	11	7.6	19-23.1	155-17.1	2.3	1.3	14	65	0.6	0.04	0.3	1.0	0.10	B
20	19	37	14.4	19-23.2	155-17.5	1.8	0.7	8	119	1.0	0.06	0.4	0.3	0.06	A
20	20	13	40.8	19-16.9	155-15.8	28.8	2.1	14	188	5.3	0.15	0.9	1.5	0.07	B
20	22	57	51.5	19-24.1	155-15.2	3.5	1.4	16	113	3.3	0.07	0.4	1.2	0.10	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 20	23	16	9.4	19-23.7	155-14.9	1.1	0.9	12	161	3.0	0.06	0.3	0.3	0.08	B
20	23	45	44.1	19-23.7	155-17.1	2.3		7	136	0.6	0.05	0.4	0.2	0.04	B
21	0	35	12.8	19-23.1	155-17.2	2.2		7	159	0.7	0.06	0.4	0.2	0.04	B
21	1	22	22.0	19-23.0	155-17.3	1.9		10	92	0.9	0.06	0.4	0.2	0.08	A
21	2	10	54.1	19-23.7	155-17.0	2.4		7	139	0.5	0.06	0.4	0.7	0.04	B
21	2	18	51.0	19-24.4	155-17.5	1.1	1.2	14	64	0.6	0.04	0.2	0.2	0.09	A
21	2	45	17.0	19-23.5	155-17.1	2.0		7	139	0.4	0.05	0.5	0.2	0.06	B
21	2	56	8.4	19-22.8	155-17.2	2.6	0.9	9	108	1.3	0.03	0.3	1.7	0.04	A
21	3	22	27.0	19-23.4	155-15.2	2.2		10	153	2.2	0.08	0.5	5.3	0.09	C
21	4	21	32.9	19-23.1	155-17.6	1.7	1.4	14	55	1.3	0.07	0.3	0.3	0.10	B
21	5	39	7.6	19-23.5	155-14.6	1.5		9	175	3.0	0.08	0.4	0.3	0.06	B
21	7	9	55.8	19-18.9	155-10.8	1.8	2.0	21	158	6.2	0.64	1.0	2.4	0.27	C
21	7	14	28.1	19-19.6	155-11.9	5.4	1.6	12	216	5.3	0.27	1.7	1.0	0.21	C
21	9	22	54.9	19-12.6	154-53.3?	19.4*	2.5	13	312	21.6	2.50	16.6		0.36	D
21	10	1	21.9	19-22.8	155-17.2	3.0		8	107	1.2	0.04	0.2	0.5	0.03	A
21	12	18	15.9	19-18.9	155- 8.4	7.0	2.3	16	185	6.3	0.19	1.5	0.7	0.18	C
21	12	31	33.5	19-24.1	155-16.9	2.1	1.8	13	115	1.4	0.03	0.2	0.1	0.05	A
21	16	51	13.3	19-23.8	155-14.8	1.0		9	183	3.2	0.09	0.4	0.4	0.08	B
21	17	59	15.7	19-23.5	155-17.7	1.3	0.6	7	148	1.4	0.07	0.3	0.5	0.07	B
21	18	49	22.5	19-23.8	155-17.1	2.0		7	137	0.8	0.05	0.4	0.2	0.06	B
21	20	52	43.1	19-24.4	155-17.5	9.1	0.9	11	97	0.6	0.05	0.3	0.4	0.03	A
21	20	53	60.0	19-22.3	155-17.8	3.6	1.0	12	69	2.5	0.32	1.1	4.8	0.24	C
21	21	37	2.2	19-19.4	155-10.7	10.9	1.7	13	228	5.3	0.23	1.3	1.7	0.09	C
21	21	56	5.6	19- 5.9	155-25.4	36.6		16	200	7.9	0.84	4.5	7.5	0.26	D
22	0	6	40.5	19-23.2	155-14.4	1.6		11	158	3.0	0.11	0.5	0.4	0.10	C
22	1	25	12.9	19-19.3	155- 5.8?	2.3	1.7	22	211	8.7	0.67	1.6	2.3	0.30	D
22	2	40	57.5	19-22.9	155-17.1	2.5		7	165	0.9	0.07	0.5	0.9	0.05	B
22	3	2	34.0	19-19.4	155- 7.5	7.0	2.3	17	178	6.4	0.15	1.1	0.6	0.17	C
22	3	57	47.6	19-23.8	155-17.7?	3.1		7	139	1.5	0.31	1.4	2.2	0.29	C
22	4	12	56.8	19-15.0	155-15.4	25.8	2.1	21	202	7.8	0.21	1.3	1.8	0.14	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 22	4	29	55.0	19-24.0	155-17.8	1.8	0.5	8	126	1.3	0.03	0.1	0.1	0.03	B
22	5	54	57.1	19- 6.9	155-25.5	31.9	2.0	23	181	6.4	0.32	1.7	3.0	0.17	C
22	5	55	49.0	19- 6.6	155-25.3	33.7	2.4	13	198	7.0	0.41	2.3	3.9	0.15	C
22	5	56	10.7	19- 6.6	155-25.3?	34.3	2.4	17	183	6.9	0.26	1.4	2.6	0.12	C
22	5	56	44.5	19- 7.1	155-25.4	34.1		15	197	6.2	0.38	2.2	3.5	0.15	C
22	5	57	11.7	19- 6.5	155-24.7	30.1	2.4	16	200	7.9	0.36	2.2	3.6	0.15	C
22	5	57	56.7	19- 5.8	155-23.9	41.2		16	195	9.8	0.31	2.3	2.5	0.16	C
22	5	58	56.9	19- 9.2	155-26.4	31.8		14	180	2.7	0.48	2.8	4.9	0.22	C
22	5	59	32.5	19- 6.5	155-25.7	36.0	2.5	16	197	6.7	0.42	2.0	3.9	0.16	C
22	6	0	44.6	19- 8.0	155-25.9	36.5	2.4	13	189	4.4	0.48	2.5	4.5	0.15	C
22	6	1	26.6	19- 7.5	155-25.5	35.7	2.7	19	178	5.5	0.26	1.3	2.8	0.11	C
22	6	39	11.9	19-24.0	155-17.1	2.1		7	135	1.2	0.02	0.2	0.1	0.03	B
22	7	44	47.5	18-39.3	155- 8.8	8.0*		19	307	65.1	1.08	6.6		0.12	D
22	8	35	2.3	19-25.9	155-25.3	8.0*	2.2	18	159	8.0	0.12	0.9		0.15	C
22	11	46	33.6	19- 0.1	155-17.0?	3.9*	2.9	11	295	25.8	0.58	3.0		0.15	D
22	12	6	22.8	19-21.9	155-18.2?	3.3		6	231	3.6	4.42	19.4	23.8	0.30	D
22	17	56	19.8	19-23.6	154-58.7	4.4		9	183	10.1	0.14	1.1	1.1	0.10	C
22	20	53	42.1	19-19.5	155-25.6	5.1	1.9	20	89	4.2	0.08	0.7	0.7	0.20	B
22	22	1	13.1	19-19.1	155-26.3	4.9		15	111	5.1	0.10	0.9	1.1	0.22	B
22	22	23	51.3	19-21.4	155- 8.4?	0.0	1.6	16	146	7.7	3.88	0.8	7.4	0.15	C
23	0	5	42.6	19-24.0	155-52.1	2.0	2.0	17	215	14.5	0.47	2.3	1.6	0.24	C
23	0	16	47.0	19-23.5	155-18.4	22.5	1.3	21	46	2.3	0.08	0.6	0.9	0.09	A
23	1	18	43.6	19-17.4	155- 9.3?	0.0	1.9	19	212	8.7	6.14	1.6	11.3	0.23	C
23	1	44	14.2	19-24.2	155-16.6	7.9	1.5	11	138	1.4	0.09	1.0	0.5	0.14	B
23	2	48	28.7	19-23.4	155-17.3?	2.3		8	150	0.7	0.08	0.4	0.3	0.07	B
23	3	31	57.2	19-23.2	155-14.9	3.6	1.2	11	158	2.2	0.17	0.7	1.7	0.11	C
23	3	53	22.8	19-12.4	155-11.1	49.8	2.5	21	214	16.6	0.28	1.4	2.4	0.14	C
23	4	16	56.0	19-14.5	155- 2.4	37.1	2.1	17	240	19.1	0.20	1.6	1.5	0.10	C
23	4	23	15.7	19-18.9	155-14.2	9.9	1.3	13	206	5.8	0.14	1.0	1.2	0.11	C
23	8	46	53.7	19-23.2	155-16.9	13.3	1.7	22	64	0.3	0.04	0.6	0.4	0.12	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 23	8	50	17.2	19-21.2	155-13.5	12.8		10	160	2.7	0.13	0.5	1.0	0.03	B
23	12	1	10.9	19-23.2	155-24.6	4.6	1.5	17	156	5.9	0.09	0.6	0.8	0.15	C
23	12	14	6.7	18-49.7	155-15.8	8.0*	2.7	17	264	45.7	0.47	3.1		0.17	D
23	13	4	40.6	19-26.8	155-11.3	8.0*		9	139	8.3	0.16	1.5		0.20	C
23	13	34	13.5	19-20.3	155-19.4	3.0	2.0	17	89	3.4	0.06	0.4	0.7	0.10	B
23	15	48	47.8	19-23.1	155-17.6	1.7		10	78	1.3	0.05	0.3	0.3	0.08	A
23	15	58	57.9	19-24.2	155-17.9	1.8	1.0	11	82	1.1	0.03	0.2	0.1	0.06	A
23	16	27	13.3	19- 8.7	155-25.8	25.7		16	185	3.9	0.33	2.1	3.7	0.19	C
23	16	35	10.6	19- 8.7	155-25.1	33.7	2.0	25	173	5.1	0.24	1.2	2.3	0.14	C
23	18	27	1.4	19-21.1	155-27.7	4.0	2.0	23	58	7.9	0.09	0.7	0.8	0.22	B
23	18	31	22.5	19-24.1	155-17.8	2.0	1.3	13	62	1.1	0.03	0.2	0.2	0.05	A
23	18	35	24.3	19-23.7	155-14.7	1.5		8	185	3.2	0.07	0.3	0.3	0.04	B
23	18	43	15.9	19-23.6	155-14.7	1.7		9	176	3.0	0.19	0.7	0.6	0.08	B
23	18	47	44.5	19-23.6	155-14.9	2.1*		9	173	2.8	0.09	0.5		0.09	C
23	21	2	31.1	19-23.3	155-14.5	3.0	1.2	13	158	3.0	0.05	0.3	0.7	0.07	B
23	21	11	23.6	19-25.5	155-14.4?	8.0*		6	298	4.8	0.39	2.5		0.09	D
23	21	47	26.5	19-23.7	155-17.0	2.4	2.4	21	32	0.5	0.05	0.4	0.7	0.16	B
23	23	41	5.7	19-23.2	155-15.3	3.3	1.3	13	146	1.9	0.07	0.5	0.8	0.11	B
24	0	37	13.8	19-25.0	155-23.9	5.4		13	154	7.4	0.10	0.8	1.1	0.15	C
24	1	20	42.3	19-23.3	155-15.1	4.4	1.2	12	152	2.2	0.14	0.6	1.3	0.10	C
24	1	38	10.3	19-23.7	155-14.8	1.0		10	166	3.1	0.08	0.3	0.3	0.09	B
24	1	43	6.6	19-23.7	155-14.6	1.3		10	181	3.2	0.08	0.3	0.3	0.07	B
24	1	44	14.3	19-23.4	155-14.8	3.7	1.4	16	108	2.6	0.05	0.3	0.6	0.08	B
24	2	2	27.5	19-23.5	155-14.7	1.7		10	175	3.0	0.17	0.5	0.5	0.07	B
24	2	5	11.0	19-23.2	155-15.0	4.0	1.1	12	149	2.1	0.10	0.5	1.1	0.09	B
24	6	11	37.5	19-21.4	155- 6.8	4.2		16	140	5.4	0.13	1.0	1.1	0.19	B
24	6	45	33.5	19-23.4	155-14.8	1.4		10	160	2.8	0.10	0.4	0.4	0.09	B
24	10	36	48.5	19-21.1	155-12.2	12.1		8	261	2.7	0.37	1.3	2.3	0.04	C
24	10	57	17.9	19-20.1	155-12.7	9.5		11	196	4.4	0.27	1.4	2.3	0.11	C
24	12	3	10.2	19-18.6	155-13.1	8.0*		6	221	7.1	0.20	1.4		0.07	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 24	12	58	16.6	19-19.3	155-17.1	10.1		6	196	1.6	0.30	1.1	2.2	0.02	C
24	13	18	31.3	19-24.7	155-16.3	4.9	1.4	8	230	1.2	0.67	2.5	3.0	0.15	C
24	14	28	29.9	19-20.5	155-12.9	10.2	1.6	14	151	3.5	0.08	0.5	0.9	0.07	B
24	15	0	13.5	19-22.6	155-13.2	4.3	1.7	16	118	1.0	0.07	0.5	0.8	0.12	B
24	15	27	22.7	19-23.8	155-16.9	2.2		5	173	0.7		0.0		0.02	D
24	16	2	22.2	19-25.9	155-28.2	8.0*		8	154	13.5	0.10	1.2		0.11	C
24	17	28	38.9	19-24.1	155-16.8	3.1	2.1	15	75	1.3	0.06	0.3	0.6	0.09	A
24	18	11	20.8	19-19.8	155-24.4	7.8		8	171	2.1	0.13	1.2	0.7	0.11	C
24	18	18	20.7	19-10.0	154-59.4	15.0*		19	276	28.7	0.26	2.1		0.21	D
24	18	40	46.7	19-24.2	155-17.4	1.3	0.5	10	108	0.9	0.05	0.3	0.3	0.09	A
24	18	56	15.0	19-24.2	155-17.4	0.9		10	84	0.9	0.06	0.3	0.4	0.09	A
24	18	58	54.9	19-24.2	155-17.6?	0.0	0.9	10	90	1.6	0.24	0.5	0.6	0.16	B
24	19	0	19.6	19-24.0	155-18.1	0.3	1.0	9	102	1.7	0.49	0.8	1.0	0.22	B
24	19	5	45.6	19-24.2	155-17.1	0.9	1.5	12	96	1.3	0.12	0.5	0.6	0.17	B
24	19	6	21.7	19-24.3	155-17.5	0.1	1.6	13	71	1.4	0.15	0.4	0.3	0.14	B
24	19	12	14.6	19-24.4	155-17.9	8.6	2.3	8	90	2.0	0.14	1.0	2.3	0.12	B
24	19	14	9.9	19-24.5	155-17.1?	0.0		8	113	4.4	2.98	0.8	5.8	0.14	B
24	19	22	28.9	19-24.1	155-17.8	4.9		11	104	4.6	0.06	0.5	0.7	0.12	B
24	22	8	19.7	19-23.4	155-17.6	1.6		10	131	3.6	0.17	0.6	0.6	0.10	B
24	23	12	55.8	19-23.4	155-17.7	3.9	1.5	6	139	3.6	0.07	0.4	1.1	0.03	B
24	23	32	44.0	19-23.4	155-17.7	1.3	1.2	6	139	3.5	0.44	1.5	1.6	0.16	B
24	23	40	11.2	19-24.0	155-18.2	1.8		5	137	2.7		0.0		0.06	D
24	23	53	32.3	19-20.7	155-13.8?	0.6	3.2	15	182	7.4	0.38	1.0	1.4	0.21	C
25	0	1	42.0	19-23.4	155-17.4	1.4	1.2	6	141	3.8	0.29	1.0	1.1	0.09	B
25	0	30	12.3	19-24.4	155-17.5?	2.3	1.7	7	144	1.3	0.23	1.0	0.9	0.11	B
25	0	52	42.7	19-18.9	155-19.0?	0.0*		7	218	8.0	0.12	0.7		0.08	C
25	1	5	13.4	19-23.4	155-17.8	3.5	1.2	7	140	3.3	0.08	0.5	1.3	0.06	B
25	1	7	27.7	19-23.1	155-18.3	4.9	1.5	8	198	2.7	0.19	1.2	1.1	0.14	C
25	1	21	0.2	19-23.4	155-18.0	3.9	1.7	7	207	3.1	0.17	0.7	1.3	0.06	B
25	1	42	21.8	19-23.6	155-17.6	3.2	1.4	7	136	2.6	0.04	0.3	0.7	0.03	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 25	1	46	45.4	19-23.6	155-17.6	4.8		9	137	2.6	0.08	0.6	0.7	0.10	B
25	1	48	41.9	19-23.6	155-17.4?	2.4	1.6	10	137	2.5	0.18	0.5	0.7	0.10	B
25	1	49	35.6	19-23.8	155-17.3?	2.8	1.9	9	135	2.2	0.09	0.8	1.6	0.14	B
25	2	2	22.4	19-23.4	155-17.7?	1.6	1.8	8	131	3.0	0.10	0.8	2.2	0.14	B
25	2	7	47.4	19-23.9	155-18.2	4.4	1.7	7	130	2.7	0.08	0.4	0.8	0.05	B
25	2	9	3.6	19-21.6	155-13.8	0.2	2.1	10	164	7.0	0.37	0.8	0.7	0.14	C
25	2	30	10.2	19-16.2	155-17.1?	8.0*	2.3	6	287	14.5	3.07	18.3		1.07	D
25	2	43	41.6	19-23.1	155-17.7?	2.8	1.4	7	145	3.6	0.22	0.4	0.8	0.04	B
25	2	49	16.4	19-23.2	155-15.8?	8.0*	2.0	7	281	3.7	0.29	2.9		0.30	D
25	2	52	11.2	19-22.0	155-17.0?	5.2	1.6	7	254	5.4	1.47	4.7	5.8	0.25	D
25	2	57	40.4	19-23.5	155-17.6	3.8	1.7	7	137	2.7	0.09	0.5	1.1	0.06	B
25	3	1	38.0	19-22.0	155-13.7?	0.3	2.8	20	125	6.8	0.74	1.6	2.6	0.43	C
25	3	10	52.1	19-22.3	155-17.5?	0.2	1.2	7	239	4.6	0.67	1.9	1.8	0.17	C
25	3	13	10.0	19-23.6	155-17.7	3.9	1.7	7	137	2.7	0.08	0.5	1.1	0.05	B
25	3	15	53.7	19-23.6	155-18.0	1.9	1.1	7	200	2.9	0.15	1.1	0.8	0.07	C
25	3	23	4.5	19-23.6	155-17.8?	2.3	1.1	8	135	2.7	0.11	0.4	0.4	0.06	B
25	3	26	54.0	19-23.3	155-18.1	2.3*	1.0	7	205	2.9	0.13	0.7		0.09	C
25	3	29	34.6	19-21.9	155-16.6?	8.0*	1.6	6	263	5.5	2.72	15.1		0.29	D
25	3	33	8.0	19-23.5	155-18.0	1.7	1.5	8	137	3.0	0.10	0.4	0.4	0.05	B
25	3	34	31.9	19-22.7	155-15.2?	0.0	2.3	12	136	5.1	1.93	0.7	3.7	0.14	B
25	3	43	50.1	19-24.4	155-16.8	1.0	2.7	16	106	1.0	0.20	0.7	0.7	0.20	B
25	3	47	5.6	19-22.3	155-17.4	1.1	1.6	7	228	4.8	0.27	0.8	0.7	0.06	C
25	3	50	55.0	19-23.3	155-17.7	4.8	1.5	8	141	3.2	0.07	0.5	0.6	0.07	B
25	4	1	9.2	19-23.1	155-17.7	4.2	2.0	12	135	3.6	0.09	0.7	0.8	0.15	B
25	4	3	37.3	19-23.4	155-17.5?	1.6	1.5	10	140	2.9	0.26	0.9	0.9	0.15	B
25	4	6	32.0	19-23.7	155-18.1	0.8	1.2	7	134	2.8	2.08	0.9	4.1	0.14	B
25	4	14	9.0	19-23.2	155-18.0	4.1	1.4	7	141	3.2	0.03	0.2	0.4	0.02	B
25	4	20	10.3	19-23.6	155-17.6	3.5	1.5	7	136	2.6	0.06	0.3	0.9	0.04	B
25	4	24	12.9	19-22.7	155-15.2	2.1*		5	155	5.0	0.09	0.7		0.05	C
25	4	27	46.8	19-23.9	155-17.5	2.0	1.4	8	133	2.1	0.08	0.4	0.3	0.04	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 25	4	29	14.4	19-23.6	155-17.6	3.9	1.6	7	137	2.7	0.C8	0.4	1.0	0.04	B
25	4	31	48.2	19-22.9	155-17.2	2.0*	1.3	5	240	3.7	0.07	0.4		0.02	D
25	4	32	41.1	19-23.4	155-17.6	1.2	1.6	9	140	3.0	0.27	0.9	C.9	0.16	B
25	4	37	48.2	19-23.0	155-17.6	1.0	1.0	7	227	3.7	0.46	1.4	1.3	0.16	C
25	4	38	38.2	19-25.8	155-21.4	4.1	1.7	6	140	3.6	0.17	0.6	2.3	0.04	B
25	4	40	41.4	19-23.1	155-18.0	3.1	1.5	7	143	3.1	0.C6	0.3	1.2	0.03	B
25	4	44	36.9	19-23.2	155-17.9	3.9	1.6	7	141	3.2	0.C5	0.3	C.7	0.02	B
25	4	45	55.5	19-19.2	155-19.4	8.0*	2.2	9	176	7.0	0.19	1.6		0.21	C
25	5	6	23.4	19-26.4	155-22.7	2.8	1.6	6	166	4.2	0.44	1.2	7.8	0.08	C
25	5	9	41.0	19-24.2	155-17.0	1.3	1.5	8	129	1.3	0.15	0.6	C.6	0.12	B
25	5	24	4.3	19-23.3	155-18.1	4.2	1.6	6	139	2.8	0.C8	0.4	1.0	C.03	B
25	5	25	16.9	19-22.1	155-18.4	1.9	2.1	9	158	5.8	0.34	0.8	1.2	0.10	C
25	5	30	19.9	19-21.4	155-18.9?	8.3	2.6	6	169	7.2	4.C2	6.8	15.6	0.55	D
25	5	40	39.1	19-23.3	155-17.4	2.3	1.5	7	141	3.0	0.24	0.8	C.8	0.09	B
25	5	41	12.8	19-19.5	155-18.0	3.5	2.0	8	155	8.4	0.12	0.8	1.2	0.09	B
25	5	44	45.1	19-25.5	155-16.2	2.6	1.3	7	132	1.8	0.10	0.8	1.7	0.08	B
25	5	58	14.3	19-22.9	155-15.3	C.5	1.9	11	150	6.2	0.60	1.2	1.1	0.20	B
25	5	59	12.1	19-24.2	155-17.4	4.4	1.5	6	149	1.4	0.15	0.9	1.2	0.05	B
25	6	15	49.2	19-25.2	155-23.8?	C.0	1.8	9	134	7.7	0.69	1.1	1.3	0.18	B
25	6	22	1.4	19-23.6	155-17.7?	C.9	1.6	8	135	2.7	0.22	1.5	3.3	0.27	C
25	6	30	13.6	19-24.7	155-17.5	1.2	1.5	8	121	1.0	0.12	0.7	C.5	0.14	B
25	6	33	21.2	19-20.8	155-10.4	19.0	2.5	12	157	2.5	0.32	2.3	3.8	0.26	C
25	6	56	25.2	19-12.1	155-11.5	36.8	2.4	15	198	18.7	0.35	1.7	3.5	0.18	C
25	6	59	25.2	19-18.7	155-18.6?	8.0*		5	265	8.7	0.35	4.5		0.19	D
25	7	5	32.8	19-23.3	155-18.2	3.5	1.5	6	203	2.8	0.C5	0.2	C.5	0.01	B
25	7	8	24.9	19-22.9	155-19.6	2.4	1.1	7	194	1.4	0.10	0.6	1.5	0.05	B
25	7	22	29.5	19-21.5	155-20.2?	C.0	2.0	10	144	4.2	2.24	1.1	4.3	C.22	C
25	7	23	53.8	19-24.6	155-17.1	3.7	1.6	8	139	0.5	0.11	0.8	C.9	0.09	B
25	7	35	35.9	19-23.5	155-17.5?	C.9	1.3	9	138	2.8	0.20	1.3	3.0	0.27	C
25	7	36	0.6	19-22.9	155-17.4?	C.8	1.4	8	147	3.7	2.82	1.4	1C.7	0.21	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 25	7	40	13.2	19-22.0	155-19.1?	2.4	2.1	7	157	6.6	0.47	2.1	4.8	0.19	C
25	8	3	34.1	19-23.6	155-17.9?	2.4	1.7	10	136	2.9	0.26	0.8	C.9	0.15	C
25	8	12	9.3	19-25.0	155-23.3	4.2	3.0	6	109	8.8	0.16	1.4	2.2	0.12	B
25	9	32	14.5	19-19.3	155-19.2?	C.0	2.3	15	151	7.4	0.49	0.8	C.9	0.17	C
25	10	16	31.5	19-22.6	155-20.0	5.1	2.2	7	139	6.6	0.C8	0.9	C.6	0.08	B
25	11	24	58.9	19-17.6	155-19.4	3.5	1.7	12	195	8.3	0.16	0.9	1.0	0.15	C
25	12	29	34.0	19-19.9	155-19.1	4.0	2.1	16	143	7.0	0.C8	0.6	C.6	0.15	B
25	12	53	59.2	19-18.3	155-19.9?	C.0	3.C	20	152	6.8	0.37	0.8	C.7	0.22	C
25	13	35	8.0	19-26.2	155-26.2	C.7	2.3	13	115	8.3	0.26	0.4	C.4	0.09	B
25	13	37	35.4	19-26.6	155-27.3	C.3	2.4	10	142	9.3	0.45	0.9	C.7	0.16	B
25	13	39	30.5	19-24.4	155-24.3	6.9	3.0	14	102	7.9	0.14	1.1	C.9	0.21	B
25	13	56	6.7	19-20.8	155-19.8	6.3	1.9	9	154	5.3	0.08	0.7	C.5	0.09	B
25	14	47	25.2	19-16.5	155-16.5	1.1	1.8	8	162	15.6	1.22	0.7	4.5	0.09	C
25	15	42	40.5	19-19.9	155-19.0	3.8	2.3	16	143	7.2	0.C9	0.6	C.7	0.15	B
25	15	50	29.3	19-25.1	155-25.5?	C.0	1.7	9	76	9.4	0.98	1.3	20.9	0.24	B
25	16	25	45.6	19-25.3	155-21.2	6.1	2.4	13	122	4.3	0.11	1.1	C.9	0.23	C
25	17	0	34.5	19-22.6	155-20.5?	C.0	1.9	7	130	14.1	1.10	2.4	1.8	0.30	C
25	17	42	43.8	19-25.2	155-23.6	4.7	1.8	7	251	6.7	0.63	3.5	2.8	0.20	D
25	19	7	56.7	19-19.6	155-19.0	1.5	2.0	16	172	7.6	0.32	0.8	1.1	0.15	C
25	19	25	43.4	19-20.9	155-21.6	5.9	1.8	7	143	3.3	0.C6	0.7	C.5	0.07	B
25	19	38	39.3	19-20.6	155-20.8	4.5	1.8	6	214	4.4	0.13	0.7	1.2	0.02	B
25	20	16	32.6	19-21.1	155-19.5	8.0*	1.7	7	213	4.9	0.34	2.7		0.17	C
25	20	26	26.1	19-23.6	155-25.2	1.7	2.0	14	69	7.0	0.28	0.6	C.9	0.14	B
25	20	43	45.7	19-21.1	155-19.1	8.0*	1.5	6	239	4.9	0.65	4.3		0.18	D
25	20	46	12.2	19-20.0	155-19.2	8.0*		5	258	6.9	1.10	6.9		0.15	D
25	20	59	4.8	19-19.7	155-19.2	4.0	2.0	16	148	7.2	0.11	0.7	0.8	0.15	B
25	21	3	20.4	19-20.7	155-21.0	6.9	1.7	8	174	4.1	0.23	1.8	1.2	0.16	C
25	21	36	3.C	19-21.2	155-19.7	2.4	1.5	7	209	4.6	0.47	2.5	19.9	0.14	C
25	21	56	20.2	19-14.2	155-17.0?	16.0*	2.0	6	318	15.7	1.10	9.4		0.23	D
25	21	59	23.5	19-24.6	155-24.0	8.0*	1.7	6	195	7.7	0.10	0.7		0.07	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 25	22	6	0.6	19-24.6	155-23.1	8.0*	1.9	6	175	6.1	0.16	1.2		0.11	C
25	22	19	58.8	19-23.3	155-23.1	8.0*		4	174	5.7		0.0		0.01	D
25	22	27	10.7	19-23.6	155-27.0	0.6	2.2	10	86	9.0	0.38	0.6	C.7	0.11	B
25	22	30	49.9	19-23.9	155-27.2	C.5	1.4	10	146	9.6	0.73	1.3	1.3	0.19	C
25	22	31	31.5	19-23.9	155-26.1	2.4	2.4	13	114	8.5	0.10	0.6	1.1	0.15	B
25	22	37	46.6	19-23.6	155-27.1	2.8	1.4	10	144	9.1	0.23	1.7	2.1	0.25	C
25	22	41	59.4	19-22.8	155-24.7	7.3	3.2	14	99	5.3	0.C9	C.9	C.7	0.16	B
25	22	44	9.5	19-23.5	155-27.2?	C.8	1.9	10	144	9.1	0.44	0.8	C.8	0.13	B
25	22	48	47.0	19-21.6	155-22.4	1.3	1.9	10	126	3.0	0.39	1.4	1.7	0.24	C
25	22	58	18.9	19-21.0	155-21.4	3.2	1.5	7	189	3.6	0.19	1.1	2.9	0.08	C
25	22	59	59.3	19-17.8	155-19.7	8.0*		5	240	7.7	0.43	2.7		0.10	D
25	23	2	13.3	19-22.7	155-23.7	1.5	1.8	12	159	4.7	0.41	1.0	1.3	0.24	C
25	23	5	29.8	19-23.3	155-26.1	3.3	1.9	11	126	7.4	0.15	1.2	1.6	0.20	C
25	23	7	45.5	19-19.1	155-16.3?	8.0*	1.8	6	281	10.4	0.67	4.2		0.33	D
25	23	18	28.3	19-24.2	155-24.9	C.9	2.2	12	72	8.0	0.49	1.0	C.8	0.21	B
25	23	26	52.6	19-20.4	155-20.2	C.6	1.9	11	134	5.4	1.59	0.6	3.0	0.10	B
25	23	29	59.3	19-20.6	155-20.8	6.2	1.9	9	129	4.5	0.C4	0.4	C.4	0.06	B
25	23	36	22.9	19-21.4	155-22.5	4.1		6	164	2.6	0.40	2.4	5.4	0.14	C
25	23	44	6.5	19-20.4	155-20.5	1.1	1.8	8	155	4.9	0.50	1.4	1.9	0.15	C
25	23	46	33.9	19-21.6	155-22.3	3.0	1.9	6	135	3.2	0.24	1.2	7.2	0.12	C
25	23	48	9.5	19-20.4	155-22.0?	C.0	1.9	9	146	7.2	1.32	2.4	2.4	0.38	C
25	23	51	10.7	19-26.2	155-25.9	1.2	2.4	16	76	8.0	0.30	0.6	1.0	0.16	B
25	23	56	4.4	19-19.1	155-19.3	1.7	1.9	11	177	7.3	0.93	1.4	3.5	C.28	C
25	23	57	29.4	19-20.8	155-21.0	4.6	1.9	6	148	4.2	0.C7	0.3	1.0	0.03	B
26	0	8	21.8	19-22.1	155-22.6	3.2	2.0	9	141	3.8	0.10	1.0	1.4	0.15	B
26	0	21	44.6	19-20.6	155-20.6	6.9	1.9	9	152	4.7	0.07	0.6	C.5	0.07	B
26	0	23	54.7	19-20.8	155-20.3	2.2	1.7	7	152	5.3	0.04	0.3	0.6	0.03	B
26	C	27	30.1	19-21.9	155-23.3?	3.0	1.9	10	117	3.1	0.17	1.6	2.2	0.27	B
26	0	29	56.6	19-18.2	155-2C.8	7.2	2.2	10	182	10.9	0.22	1.7	1.3	0.24	C
26	0	52	43.4	19-2C.4	155-2C.4?	C.9	1.9	9	155	5.0	3.23	1.6	12.3	0.24	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 26	1	0	45.3	19-15.6	155-19.6?	0.0	2.0	14	177	10.7	0.23	0.6	C.4	0.12	C
26	1	6	33.9	19-26.9	155-26.6	C.9	2.1	14	73	7.9	0.30	0.5	C.6	0.13	B
26	1	21	5.6	19-20.2	155-2C.4	C.2	2.1	11	133	5.1	3.00	1.1	5.7	0.19	C
26	1	28	36.1	19-22.6	155-14.6	C.8	2.0	9	153	6.0	0.41	1.0	1.6	0.13	C
26	2	8	10.0	19- 7.6	155-20.6?	45.5	2.6	14	236	13.2	0.92	4.0	9.4	0.39	D
26	2	27	42.2	18-37.8	155-2C.C?	8.0*	2.8	5	356	78.4	7.44	0.0		3.00	D
26	2	36	44.9	19-23.7	155-25.1	C.4	1.7	9	143	7.2	0.53	1.C	C.9	0.14	B
26	2	37	33.2	19-15.5	155-21.C?	C.0	2.0	11	165	9.6	5.44	0.9	1C.3	0.16	C
26	2	55	25.9	19-26.3	155-25.4	1.8	1.8	10	182	7.4	0.26	0.7	C.9	0.11	C
26	2	56	47.8	19-23.2	155-24.4	2.4	3.4	15	78	5.8	0.11	0.8	1.2	0.19	B
26	2	58	23.7	19-21.6	155-25.1?	8.C*	2.9	4	354	10.2		0.0		0.07	D
26	3	0	12.5	19-21.3	155-22.9	8.8	2.0	11	111	2.1	0.13	1.5	2.4	0.24	B
26	3	4	8.3	19-21.6	155-19.4	2.4*	1.3	7	163	4.0	0.C9	0.5		0.08	C
26	3	4	54.8	19-21.3	155-2C.7?	1.1	1.6	9	143	4.8	C.93	2.5	3.2	0.32	C
26	3	12	3.C	19-16.2	155-22.5	8.0*		9	165	7.4	0.20	1.6		0.23	C
26	3	25	24.1	19-23.4	155-25.C?	2.3	2.2	15	67	6.5	0.18	1.2	1.6	0.30	B
26	3	27	33.7	19-26.3	155-24.4	8.0*		6	185	6.7	0.25	2.0		0.16	C
26	3	36	36.7	19-16.3	155-21.8?	C.0		10	157	7.6	0.30	1.5	19.6	0.26	C
26	3	54	19.2	19-21.5	155-19.5	4.5	1.8	5	164	4.1		0.0		0.01	D
26	4	4	24.4	19-24.2	155-24.8	4.4	2.0	9	143	7.9	0.21	1.6	2.3	0.20	C
26	4	11	39.6	19-23.8	155-24.1?	C.5	1.8	11	134	6.9	0.9C	1.8	1.6	0.37	C
26	4	23	59.3	19-23.5	155-22.C?	0.0	1.3	7	149	4.1	0.75	1.4	1.4	0.20	B
26	4	33	41.9	19-15.3	155-19.8?	C.0	2.5	18	159	11.0	0.28	0.7	C.5	0.17	C
26	4	47	38.3	19-15.8	155-21.4	8.0*		6	164	8.7	0.20	1.9		0.15	C
26	4	55	23.5	19-16.8	155-23.C?	C.4*	2.2	10	131	6.2	0.11	0.9		0.17	C
26	5	37	55.1	19-23.8	155-27.0	3.3	1.4	8	163	12.7	C.23	1.9	2.4	0.21	C
26	5	59	45.0	19-23.9	155-27.2	4.0	2.0	9	166	12.9	0.22	1.7	1.8	0.22	C
26	6	18	2.0	19-17.9	155-27.2?	8.0*	2.5	7	283	21.2	1.99	17.0		2.55	D
26	6	28	3.4	19-17.1	155-24.9	9.8	2.4	6	143	3.4	0.28	3.9	4.7	0.22	C
26	8	15	11.0	19-16.5	155-22.9	8.0*		6	148	6.9	0.18	1.9		0.14	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 26	8	22	57.5	19-17.6	155-23.1?	3.9	1.6	10	154	4.9	0.13	1.2	1.0	0.16	C
26	9	28	14.5	19-14.6	155-20.7?	C.0	2.0	14	168	11.0	6.20	1.3	11.5	0.23	C
26	12	41	11.4	19-14.5	155-21.1	C.4	2.3	12	168	10.4	0.43	0.8	C.8	0.15	C
26	15	16	46.6	19-22.1	155-22.7?	1.3	2.6	10	108	3.6	0.42	1.5	1.8	0.26	B
26	15	35	18.3	19-23.9	155-24.5?	C.0	2.5	14	100	7.1	0.60	0.9	1.1	0.22	B
26	15	59	33.9	19-25.5	155-27.4	2.0	2.1	11	152	10.6	0.59	1.2	2.0	0.20	C
26	17	42	52.3	19-23.5	155-23.9?	C.0		6	195	6.2	7.72	3.0	15.4	0.20	C
26	17	47	26.6	19-13.4	155-20.1?	C.0	3.0	18	164	8.8	0.77	1.2	1.4	0.26	C
26	23	9	56.4	19-13.9	155-19.9?	0.0		9	223	7.7	9.03	2.1	17.0	0.22	C
27	1	6	57.2	19-15.4	155-20.6?	C.7	1.9	14	183	5.8	0.62	1.5	2.0	0.27	C
27	2	42	40.3	19-21.6	155-24.0	7.0	1.6	12	62	2.9	0.10	0.9	C.8	0.19	B
27	2	54	58.3	19-21.7	155-23.5?	7.4	2.2	15	49	2.8	0.C9	0.8	C.9	0.21	B
27	4	34	51.6	19-20.2	155-20.1	3.9		12	74	4.7	0.09	0.7	C.9	0.17	B
27	5	44	50.8	19-14.6	155-20.5	1.8	1.7	14	162	7.0	0.52	1.2	1.9	0.25	C
27	7	2	8.7	19-15.0	155-20.5	C.3		12	177	6.4	0.66	1.5	1.3	0.25	C
27	7	25	36.8	19-16.8	155-23.4	C.7*	2.3	8	181	6.3	0.20	1.3		0.15	C
27	9	16	51.2	19-22.5	155-19.5	1.7	1.3	8	96	2.3	0.27	1.0	1.1	0.18	B
27	9	44	22.3	19-15.8	155-22.1	2.9	2.4	13	144	7.3	0.14	1.2	1.7	0.24	C
27	11	40	27.1	19-15.0	155-20.9	6.7	1.9	13	154	6.7	0.C8	0.7	C.6	0.12	C
27	12	38	39.3	19-18.2	155-12.5	6.8	1.7	12	159	8.4	0.12	0.9	C.7	0.16	C
27	14	2	41.2	19-18.0	155-23.2	7.7	1.7	9	117	4.1	0.17	1.7	1.1	0.22	B
27	14	11	8.1	19-15.5	155-22.0	2.2	2.3	12	147	7.4	0.19	1.4	1.8	0.26	C
27	14	30	48.9	19-15.2	155-22.1	C.5*	2.1	11	149	8.0	0.10	0.8		0.19	C
27	15	9	30.6	19-22.4	155-24.1	6.0	1.5	9	127	4.3	0.13	1.0	1.0	0.15	B
27	15	53	52.8	19-22.7	155-22.7	1.0	1.6	7	164	4.7	0.20	0.7	C.8	0.09	B
27	16	0	58.9	19-18.1	155-14.9	8.3	1.5	7	211	5.8	0.30	2.5	3.8	0.14	C
27	16	16	30.8	19-12.3	155-18.4?	0.0	1.9	9	215	10.4	9.C8	2.0	17.2	0.20	C
27	16	42	0.6	19-16.5	155-22.8	3.0	1.2	8	135	6.9	0.11	1.0	1.7	0.12	B
27	16	59	8.0	19-15.6	155-21.9	C.7	1.9	15	146	7.1	5.41	0.9	1C.2	0.21	C
27	17	3	4C.3	19-20.6	155-19.6	5.3		8	118	4.0	0.C6	0.5	C.4	0.06	A

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 27	17	10	33.0	19-15.8	155-22.7	4.2		9	140	7.0	0.10	1.0	1.2	0.14	B
27	17	28	49.9	19-17.1	155-23.1?	8.0*	1.0	6	133	5.8	0.29	3.4		0.31	C
27	19	37	24.3	19-16.2	155-22.3?	0.0	2.2	18	139	7.2	0.37	0.7	0.7	0.19	B
27	19	41	39.8	19-15.3	155-19.8	8.0*	1.7	5	255	5.4	1.26	8.0		0.24	D
27	20	6	21.2	19-22.5	155-23.0?	0.8	1.7	10	118	4.3	0.25	0.6	1.0	0.12	B
27	20	12	6.9	19-16.6	155-22.4	2.3	1.7	13	136	6.7	0.11	0.8	1.4	0.17	B
27	20	26	6.3	19-25.3	155-26.0	2.3	1.8	13	77	9.6	0.09	0.6	1.2	0.16	B
27	20	48	34.6	19-16.1	155-22.0	1.9	2.9	20	156	6.8	0.35	0.9	1.2	0.22	C
27	21	13	29.1	19-14.2	155-23.3	8.0*	1.7	10	149	7.2	0.13	1.3		0.23	C
27	21	22	32.3	19-12.5	155-21.9?	0.0	1.8	12	164	11.1	4.42	0.7	8.3	0.13	C
27	21	50	29.4	19-21.4	155-24.0?	7.6	1.7	9	110	2.4	0.12	1.2	1.0	0.17	B
27	21	50	50.3	19-22.4	155-23.1	6.6	1.8	10	174	4.1	0.21	1.4	1.1	0.17	C
27	21	54	39.0	19-21.3	155-23.1?	8.5	1.3	9	107	2.0	0.07	0.8	0.7	0.12	B
27	22	50	2.8	19-25.8	155-24.9	8.0*	2.1	12	99	8.2	0.08	0.7		0.13	B
27	22	51	31.8	19-16.7	155-22.8	5.3	2.0	12	134	6.5	0.07	0.6	0.6	0.11	B
27	22	53	46.4	19-12.7	155-21.9?	0.0	1.9	16	163	10.8	5.72	1.0	10.7	0.20	C
27	23	52	39.6	19-15.0	155-21.9	0.5	2.2	18	151	7.9	0.49	0.8	0.9	0.20	C
27	23	54	59.5	19-20.6	155-11.8?	0.0	2.1	13	139	9.8	0.65	1.1	1.2	0.23	C
28	0	9	24.1	19-25.3	155-27.0?	0.0	3.0	16	62	10.5	4.15	0.6	7.8	0.15	B
28	1	3	20.7	19-16.6	155-20.5?	3.2	1.7	11	146	4.1	0.12	0.9	1.6	0.16	C
28	1	13	7.6	19-25.6	155-22.9	5.4	2.2	13	123	5.4	0.10	0.8	0.9	0.18	B
28	1	57	15.8	19-21.8	155-23.3	7.0	2.0	16	49	2.9	0.07	0.7	0.6	0.17	B
28	2	24	4.1	19-14.2	155-20.6?	0.0	3.1	20	159	7.8	3.70	0.8	6.9	0.19	C
28	2	28	17.9	19-25.7	155-25.8?	0.0	1.9	10	105	8.7	6.39	0.7	12.2	0.16	B
28	2	50	13.1	19-22.9	155-24.9	4.2	2.6	16	68	5.7	0.07	0.6	0.8	0.13	B
28	3	15	28.3	19-16.0	155-22.3	1.4	1.6	16	141	7.3	1.55	0.8	5.7	0.19	C
28	3	19	1.1	19-16.9	155-23.1	0.7*	1.7	9	134	6.0	0.11	0.9		0.19	C
28	3	19	58.7	19-16.7	155-22.3	8.0*	1.6	8	147	6.8	0.16	1.5		0.21	C
28	3	32	47.8	19-16.9	155-23.3	4.4	1.6	10	133	6.0	0.07	0.7	1.0	0.12	B
28	4	0	54.0	19-22.5	155-23.9	7.0	3.4	17	48	4.4	0.08	0.8	0.7	0.19	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 28	4	4	5.3	19-20.8	155-18.1	6.1	1.0	8	75	1.7	0.14	0.5	1.2	0.06	A
28	4	5	15.8	19-15.7	155-21.5?	C.0	1.8	14	147	6.5	6.45	0.8	12.2	0.18	C
28	4	9	24.7	19-23.1	155-23.5?	C.0	2.1	13	158	5.4	1.59	0.6	3.0	0.13	C
28	5	19	47.7	19-19.6	155-19.2	6.2	1.5	8	117	3.3	0.12	0.7	C.8	0.08	A
28	6	1	17.7	19-12.8	155-21.4	4.5	1.5	11	182	10.7	0.17	1.1	1.1	0.15	C
28	7	21	16.0	19-13.4	155-21.6?	C.C	1.5	15	167	9.9	5.76	0.9	1C.9	0.18	C
28	7	23	17.0	19-25.8	155-24.1?	8.2	2.1	11	175	6.9	5.18	2.5	18.9	C.41	D
28	9	26	42.6	19-17.5	155-15.1	7.5		7	216	6.3	0.36	2.8	1.1	0.17	C
28	10	9	12.7	19-14.6	155-21.8	C.1	2.6	20	155	8.4	0.38	0.8	C.7	0.20	C
28	12	42	7.7	19-20.0	155-19.2	7.0	1.8	8	109	3.2	0.13	1.0	C.9	0.14	B
28	13	7	40.4	19-20.3	155- 8.2	4.6	2.1	11	163	4.5	C.13	1.1	1.0	0.17	C
28	14	47	19.1	19-14.6	155-22.4	3.5	1.8	10	176	8.2	0.C8	0.7	1.0	0.09	B
28	17	34	26.8	19-15.0	155-22.C?	C.C	2.0	13	150	8.1	6.32	0.9	12.0	0.20	C
28	17	53	39.9	19-15.0	155-21.9	8.0*		11	168	7.9	0.10	0.9		0.13	C
28	18	7	6.1	19-19.6	155-12.8	7.6	1.3	13	147	5.3	0.09	0.9	C.6	0.10	B
28	19	17	13.1	19-20.3	155-17.7	26.5	1.8	17	73	0.6	0.17	1.0	1.7	0.12	B
28	20	33	17.0	19-2C.6	155-19.7	1.8*		7	104	4.1	0.06	0.4		0.08	C
28	23	C	0.2	19-14.7	155-21.7	C.8	2.3	19	166	8.2	0.44	1.0	C.8	0.22	C
29	0	58	47.5	19-14.5	155-21.7?	C.0	2.0	13	173	8.2	0.59	1.2	1.1	0.20	C
29	1	38	48.3	19-14.2	155-21.3?	C.0	2.5	14	172	8.4	5.49	0.8	10.4	0.15	C
29	2	0	18.5	19-13.6	155-22.2?	0.0		10	179	9.4	6.75	1.0	12.9	0.14	C
29	2	6	3.6	19-12.8	155-21.2?	0.0	2.4	14	193	10.5	5.33	0.9	1C.1	0.16	C
29	2	13	22.2	19-13.2	155-21.4?	0.0	2.7	21	180	1C.1	0.37	0.9	C.6	0.21	C
29	3	7	6.5	19-14.6	155-21.9?	0.0	2.2	18	155	8.5	0.35	0.6	C.6	0.13	C
29	4	19	55.3	19-14.5	155-21.9	8.0*	1.3	8	171	8.5	0.20	1.8		0.19	C
29	4	25	22.8	19-15.9	155-2C.9	3.1		12	149	5.5	0.13	1.0	1.5	0.18	B
29	4	41	45.4	19-13.8	155-21.3?	C.0	2.5	21	165	9.0	0.37	1.0	0.7	0.22	C
29	4	58	2.0	19-15.9	154-56.7	43.7	2.7	21	234	13.1	0.43	2.2	2.9	0.12	C
29	6	10	56.8	19-12.4	155-18.5	C.2	2.5	27	174	10.3	0.34	0.8	C.6	0.24	C
29	6	19	58.4	19-13.0	155-21.4?	C.0	2.1	18	162	10.4	4.29	0.7	8.1	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 29	6	26	32.4	19-13.4	155-18.6	3.4		13	179	8.3	0.19	1.1	1.2	0.20	C
29	6	39	6.7	19-12.5	155-21.5?	C.0	2.0	12	195	11.2	6.63	1.2	12.6	0.18	C
29	7	0	16.6	19-22.6	155-24.2	6.9	2.1	22	66	4.6	0.07	0.6	C.5	0.19	B
29	8	9	30.5	19-22.4	155-22.2	5.5	1.2	8	146	4.5	0.26	1.5	2.2	0.19	B
29	8	40	18.0	19-19.8	155- 7.9	3.4	1.8	15	171	5.4	0.15	1.1	1.1	0.21	C
29	10	16	21.6	19-15.4	155-22.1	3.7	2.3	14	147	7.7	0.07	0.6	C.8	0.11	B
29	12	3	2.0	19-18.9	155-14.3	3.5	2.4	16	174	5.8	0.17	1.0	1.4	0.24	C
29	16	7	24.2	19-21.6	155-23.3?	8.0	1.9	12	117	2.6	0.06	0.6	C.5	0.10	B
29	16	38	38.5	19-16.3	155-20.8	5.0	2.2	18	147	4.9	0.09	0.7	C.6	0.15	B
29	18	34	15.9	19-23.2	155-25.6	6.8	1.4	16	123	6.8	0.13	1.0	C.9	0.22	C
29	19	43	8.8	19-19.2	155-14.8	28.8	1.4	18	164	4.9	0.14	0.9	1.3	0.09	B
29	19	50	52.3	19-16.1	155-22.4?	0.0	2.0	17	140	7.5	3.75	0.6	7.1	0.13	C
29	19	56	4.5	19-16.2	155-22.8	C.6*		14	137	6.8	0.08	0.7		0.15	C
29	22	13	14.6	19-14.4	155-22.3	C.7*	1.8	12	154	8.6	0.10	0.8		0.16	C
29	22	19	53.6	19-21.6	155-22.9?	7.5		15	106	2.6	0.08	0.6	C.7	0.16	B
29	22	26	56.1	19-15.4	155-20.3	2.7	3.1	24	153	5.6	C.12	0.7	C.9	0.19	C
29	23	27	19.0	19-16.0	155-21.2?	3.5	1.7	17	147	5.8	1.48	0.7	5.5	0.17	C
30	1	11	52.3	19-30.8	155-41.7	1.7	2.2	20	107	23.7	1.33	0.8	4.8	0.14	B
30	1	16	25.9	19-24.9	155-24.7?	5.5	1.8	17	76	8.6	0.75	C.9	2.8	0.22	C
30	1	22	25.3	19-20.6	155-19.5	3.7		8	100	3.8	0.13	0.3	2.3	0.05	B
30	1	22	28.6	19-16.8	155-21.7	C.1	2.3	12	168	6.9	C.42	0.9	C.8	0.13	C
30	1	34	55.2	19-16.9	155-20.8?	3.9		11	158	4.3	0.11	0.8	C.9	0.11	C
30	1	42	59.5	19-16.4	155-20.0	1.8	1.7	16	163	3.8	1.19	0.7	4.4	0.17	C
30	1	50	41.4	19-17.0	155-20.5	6.1	1.5	12	160	3.7	0.09	0.7	C.7	0.12	C
30	2	21	18.6	19-16.7	155-22.5	8.0*	1.5	7	135	6.5	0.21	2.1		0.27	C
30	2	31	35.4	19-17.8	155-22.0	8.0*	1.3	9	166	5.0	0.14	1.1		0.13	C
30	2	48	28.2	19-14.0	155-21.4?	0.0	2.8	23	158	8.8	3.89	0.8	7.3	0.19	C
30	3	1	30.5	19-22.3	155-25.2	1.7		16	118	5.0	0.63	0.7	2.3	0.23	B
30	3	40	12.0	19-14.0	155-21.4	0.3	2.4	22	159	8.8	0.44	0.8	C.8	0.18	C
30	3	43	21.6	19-25.2	155-28.1?	7.1	2.2	23	63	12.0	0.08	0.6	C.6	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
SEP 30	3	47	25.8	19-12.4	155-19.1	8.0*	1.8	7	230	10.2	0.23	1.9		0.07	D
30	4	22	0.2	19-18.7	155-13.6	8.0*	1.6	8	214	7.1	0.22	1.6		0.13	C
30	4	46	16.7	19-14.8	155-22.1	8.0*	1.2	9	180	8.5	0.11	1.0		0.11	C
30	4	57	50.1	19-20.2	155- 7.5	8.0*	2.0	10	164	5.3	0.13	1.3		0.16	C
30	5	14	38.5	19-21.0	155-22.7?	8.3		14	104	1.7	0.10	1.0	0.8	0.19	B
30	5	19	41.2	19-15.5	155-21.1?	2.3	2.7	24	151	6.3	0.11	0.7	0.8	0.20	C
30	5	57	58.2	19-16.4	155-21.6	4.9	1.7	17	142	5.9	0.06	0.6	0.6	0.12	B
30	6	36	26.8	19-15.9	155-20.8	8.0*	1.8	11	181	5.3	0.13	1.2		0.16	C
30	7	12	33.7	19-18.0	155-14.6	8.0*	1.7	15	188	6.3	0.13	0.9		0.13	C
30	8	9	37.6	19-14.7	155-22.1?	0.0	2.4	20	153	8.7	3.76	0.7	7.1	0.18	C
30	8	11	58.9	19-21.2	155-17.1	32.2	2.6	24	99	2.1	0.20	1.2	2.0	0.16	B
30	8	37	14.7	19-14.9	155-21.8	0.8	2.4	24	153	9.1	0.31	0.6	0.6	0.17	C
30	9	14	56.3	19-14.4	155-21.5?	0.0	2.5	19	156	8.4	4.26	0.7	8.0	0.18	C
30	10	54	47.1	19-20.3	155-19.9	6.1	1.7	13	86	4.5	0.08	0.6	0.7	0.13	B
30	12	48	9.8	19-17.5	155-16.6	27.2		17	207	3.7	0.20	1.1	1.6	0.09	C
30	12	50	56.2	19-19.1	155-15.1	5.7	2.6	20	143	4.4	0.12	0.8	0.7	0.22	C
30	16	4	25.9	19-14.6	155-22.4?	0.0	2.2	16	151	8.2	4.25	0.6	8.0	0.12	C
30	17	32	39.4	19-18.6	155-13.1	0.0	2.1	18	181	7.2	0.72	1.2	1.2	0.28	C
30	17	44	27.2	19-14.0	155-21.9?	0.0	2.5	22	157	9.3	4.33	0.7	8.2	0.19	C
30	17	46	29.3	19-14.2	155-21.6?	0.0	2.7	23	157	8.8	3.60	0.6	6.8	0.15	C
30	18	49	28.9	19-14.3	155-21.3	0.8	2.5	28	157	8.2	0.42	0.8	0.8	0.23	D
30	19	9	2.0	19-17.9	155-12.9	8.0*		10	236	8.5	0.44	2.9		0.27	D
30	19	17	31.7	19-14.6	155-22.0	0.2*	1.8	12	180	8.6	0.13	0.9		0.16	C
30	21	27	19.9	19-15.3	155-20.4?	0.0	2.4	22	167	10.4	3.08	0.6	5.8	0.15	C
30	21	28	24.2	19-15.3	155-19.8?	0.0	3.8	17	155	10.9	0.78	2.1	1.4	0.35	D
30	22	45	31.5	19-16.4	155-20.6	2.5	2.0	19	147	4.4	0.09	0.6	1.2	0.16	B

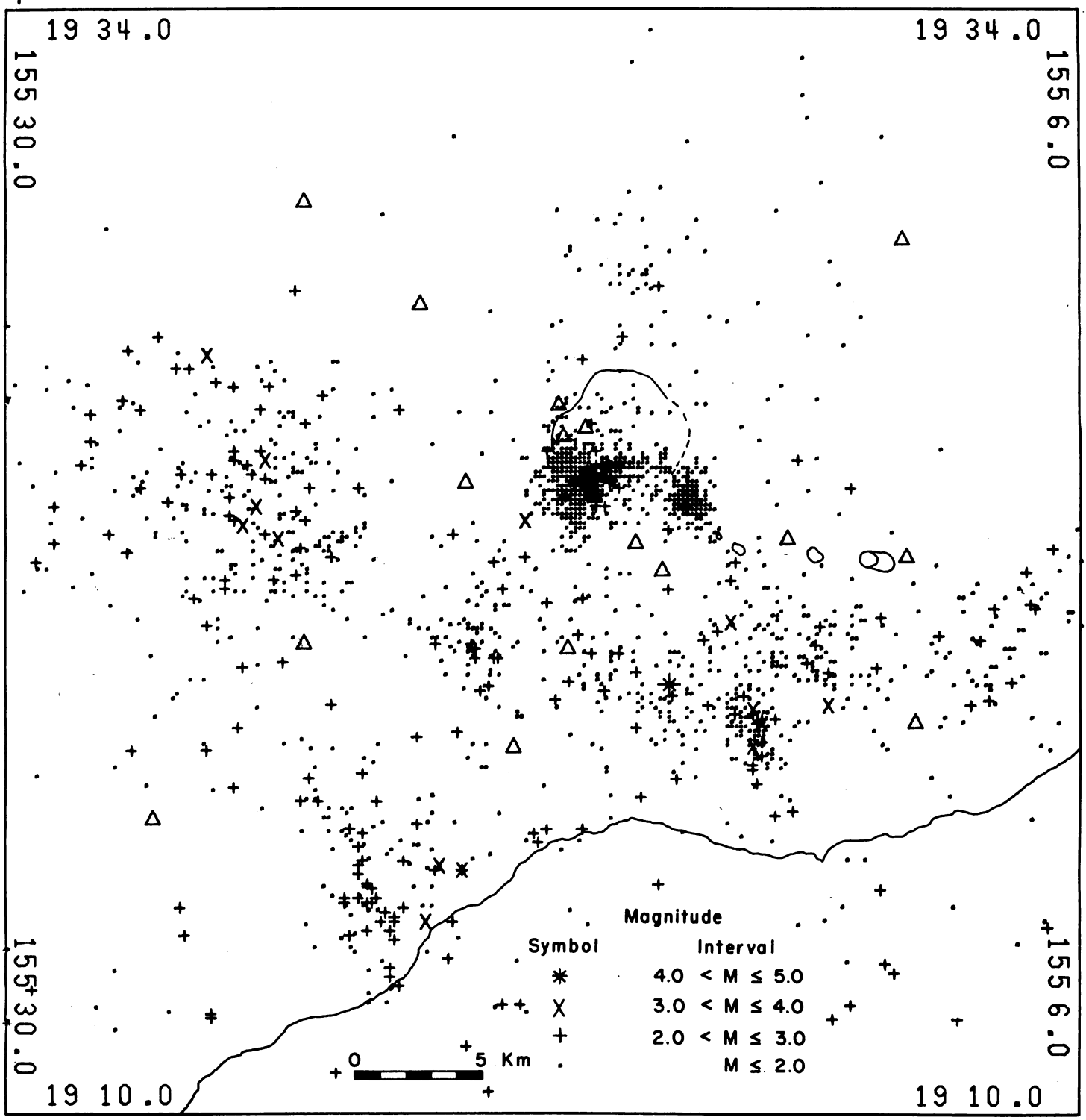

Figure 1.--Plot of epicenters in the Kilauea region. Triangles are seismometer locations. Kilauea Caldera and the major pit craters on the east rift are shown in outline. The Pacific Ocean lies in the lower right portion of the illustration.

Table 3. Felt earthquakes

Date	Time H	M	S	Magnitude	Felt report
Jul 2	17	26	04.5[1]	4.5	Hilo, Kamuela
3	09	16	15.5	3.8	Hilo, Volcano, Pahala
5	00	16	44.5	3.3	Hilo
7	20	16	48.5	4.1	Island-wide
8	19	36	10.6	2.9	Captain Cook
25	13	36	30.1	2.2	Kapapala
26	15	08	50.5	3.1	Kapapala
28	20	15	09.7	3.4	Hilo, Kurtistown, Kapapala
30	17	23	32.0	2.6	Hawaiian Volcano Observatory
Aug 1	01	38	23.3	3.6	Kealakekua
3	14	09	14.9	3.8	Volcano, Hilo
4	01	36	44.7	4.2	Kealakekua, Kamuela, Kohala, Kapapala
5	18	14	28.6	2.8	Kapapala
9	13	55	36.7	1.8	Hawaiian Volcano Observatory
9	14	25	50.9	2.5	Hawaiian Volcano Observatory
10	08	12	26.3	3.0	Volcano
10	12	39	16.9	2.5	Hawaiian Volcano Observatory
11	02	50	47.9	3.0	Kealakekua, Honokahau, Kainaliu
11	04	22	14.9	2.9	Hawaiian Volcano Observatory
12	04	20	25.8	2.6	Volcano
15	15	36	07.9	4.9	Island-wide
15	22	18	37.4	3.9	Hilo, Volcano, Pahoa, Kurtistown, Kapapala
18	17	38	52.1	2.4	Volcano
Sep 1	05	37	10.3	2.5	Kapapala
6	20	46	25.1	1.8	Hawaiian Volcano Observatory
7	19	56	07.3	3.7	Hilo, Volcano
9	09	25	08.9	2.6	Hawaii National Park
11	16	00	34.1	3.1	Volcano
26	02	56	47.8	3.4	Hilo, Kapapala
26	17	47	26.6	3.0	Kapapala
27	20	48	34.6	2.9	Kapapala
28	00	09	24.1	3.0	Kapapala
28	04	00	54.0	3.4	Hilo, Kapapala
28	04	09	24.7	2.1	Kapapala
29	04	41	45.4	2.5	Kapapala
29	06	10	56.8	2.5	Kapapala
30	01	22	28.6	2.3	Kapapala
30	17	46	29.3	2.7	Kapapala
30	21	28	24.2	3.8	Kapapala, Volcano

[1] Not listed in Summary of Seismic Events; preliminary location 19°45'N., 153°50'W., at 13 km depth.

Table 4. Seismometer stations in Hawaii operated by the U. S. Geological Survey.

STATION NAME	CODE	LAT-N	LONG-W	ELEV	TYPE	CAL	VCO	RADIO	REMARKS
AHUA	AHU	19 22.40	155 15.90	1070	3	6.0	2380		
CONE PEAK	CPK	19 23.70	155 19.70	1038	3	1.34			
DESERT	DES	19 20.20	155 23.30	815	3	1.34			
EAST KOAE	EKO	19 22.17	155 14.99	1009	3				Discontinued 9/24/71
ESCAPE ROAD	ESR	19 24.68	155 14.33	1177	3				Installed 9/29/71
HALE POHAKU	HPU	19 46.85	155 27.50	3396	1	5.6	1360	RF6	
HILINA PALI	HLP	19 17.96	155 18.63	707	3	6.0	2040		
HUALALAI	HUA	19 41.25	155 50.32	2189	1	5.2	1700	RF4	
KAHUKU	KHU	19 14.90	155 37.10	1939	1	5.7	1700	RF3	
KAPAPALA RANCH	KPR	19 16.40	155 26.70	610	1	6.5	1700	RF1	Installed 8/18/71
KEANAKOLU	KKU	19 53.39	155 20.58	1863	1	4.8	2380	RF7	
KIPUKA NENE	KPN	19 20.10	155 17.40	924	3	1.34			
KOHALA	KOH	20 7.69	155 46.77	1166	1	1.5	2380	RF2	
MAUNA LOA	MLO	19 29.80	155 23.30	2010	1	6.5	1360		
MAUNA LOA X	MLX	19 27.60	155 20.70	1475	3	1.34			
MAKAOPUHI	MPR	19 22.07	155 9.85	881	1	5.7	2720	RF5	
MOKUAWEOWEO	MOK	19 29.28	155 35.98	4104	1	6.5	2040	RF3	
MOUNTAIN VIEW	MTV	19 30.25	155 3.75	409	1	6.2	680	RF8	
NORTH PIT	NPT	19 24.90	155 17.00	1115	3	1.34			
OUTLET	OTL	19 23.38	155 16.94	1038	3	5.0			Relocated 9/30/71
PUU HULUHULU	PHH	19 22.45	155 12.66	988	3				
PUU HONUAULA	PHO	19 28.90	154 53.40	215	1	6.5	2720	RF1	
PUU PILI	PPL	19 9.50	155 27.87	35	1	4.4	1360	RF11	
SOUTH POINT	SPT	18 58.91	155 39.92	244	1	7.8	2040	RF7	
WAHAULA	WHA	19 19.90	155 2.92	29	1	6.0	680	RF9	
WALDRON LEDGE	WLG	19 25.49	155 15.69	1067	3				Installed 9/30/71
WEST PIT	WPT	19 24.70	155 17.50	1115	3	1.34			Destroyed 9/24/71
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	0	1.0			Wood-Anderson
HALEAKALA NS	HAN	20 46.00	156 15.00	2090	0	1.0			Wood-Anderson
HILO Z	HIL	19 43.20	155 5.30	20	3	1.0			
HILO EW	HIE	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
HILO NS	HIN	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
KAMUELA	KAM	20 1.90	155 42.00	740	2	0.7			
KEALAKEKUA Z	KLK	19 31.20	155 55.30	505	2	1.0			
KEALAKEKUA EW	KLE	19 31.20	155 55.30	505	2	0.34			
KEALAKEKUA NS	KLN	19 31.20	155 55.30	505	2	0.34			
KIPAPA	KIP	21 25.40	158 .90	76	3	0.56			
UWEKAHUNA Z	UWE	19 25.40	155 17.60	1240	3	0.7			
UWEKAHUNA Z	USZ	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA EW	USE	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA PEZ		19 25.40	155 17.60	1240					15-90 Press Ewing
UWEKAHUNA PEE		19 25.40	155 17.60	1240					
UWEKAHUNA PEN		19 25.40	155 17.60	1240					

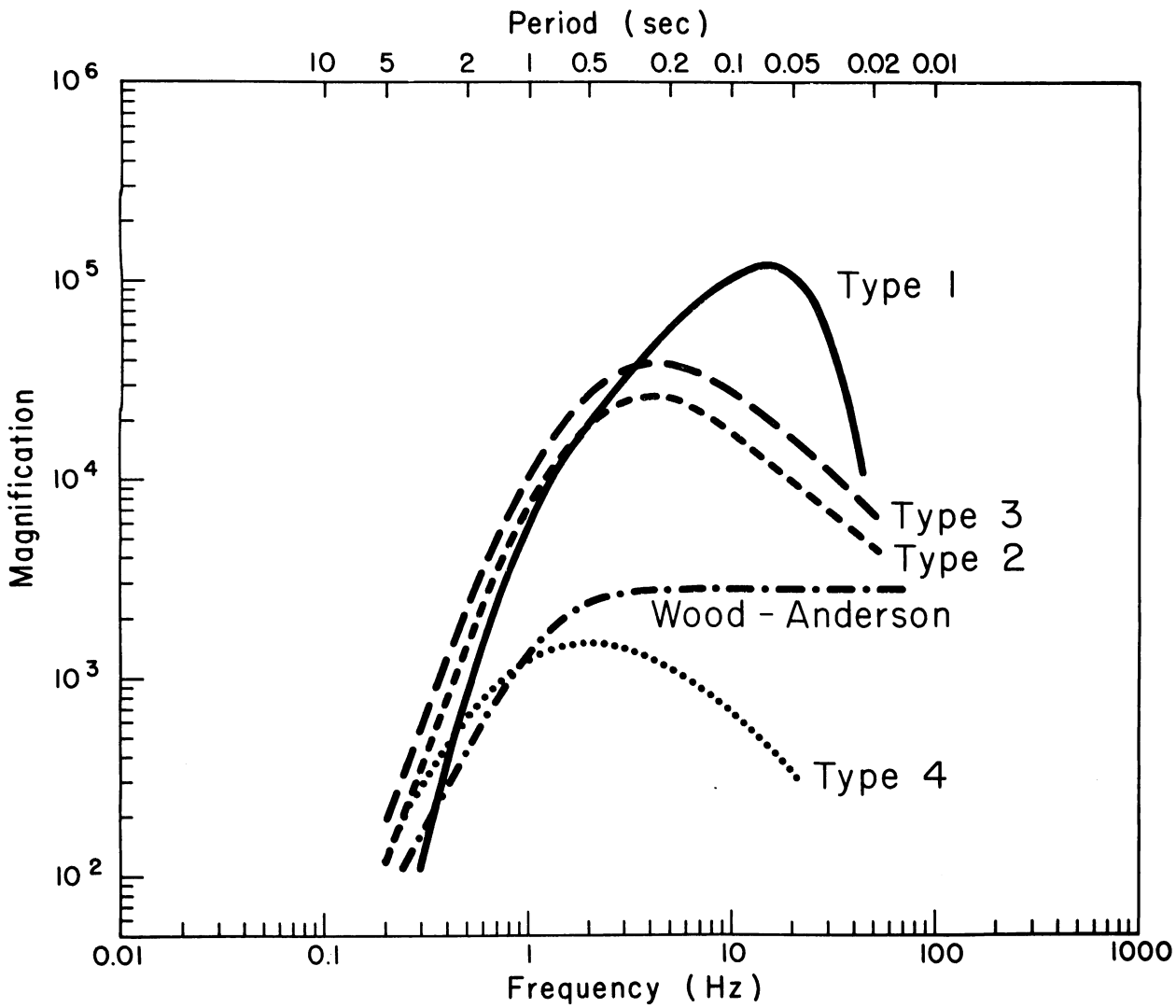

Figure 2.--System response curves for the Wood-Anderson torsion seismograph and for the four different types of seismometer-amplifier (or galvanometer) combinations in use by the Hawaiian Volcano Observatory.

Table 5.--Seismic Instrumentation

1. Seismometers

EV-17 - Electrotech EV-17 1.0 sec. period moving magnet vertical component seismometer

EV-17H- Same as above, but horizontal component

HS-10 - Hall-Sears 0.5 sec. period moving coil seismometer

HVO-2 - 0.8 sec. period moving coil seismometer

2. Seismographs

HVO-1 - Vertical-component electromagnetic seismograph with a peak magnification of about 20,000 at 0.25 sec. period.

15-90 - Press-Ewing System: 3-component long period Press-Ewing seismograph system with pendulum and galvanometer periods of 15 and 90 seconds, respectively.

EV-17/3.5 cps galv., EV-17H/3.5 cps galv., etc.: Short period electromagnetic seismographs composed of the seismometers and galvanometers indicated. Response similar to HVO-1. Poorly calibrated.

3. Amplifier and signal transmission systems

System I: HVO-built solid state seismic preamplifier (voltage gain, 200X), direct signal transmission over "hard" wire to HVO, HVO-built solid state amplifier and galvanometer driver.

System II: Develco or Teledyne seismic preamplifier--voltage controlled oscillator, signal transmission on audio FM carrier over "hard" wire or FM radio link to HVO, discriminator.

Geotech PTA: Short period Geotech photo-tube amplifier.

4. Timing systems

RMS-USGS: Crystal-controlled chronometer employing solid-state binary dividers to produce minute and hour marks. Typical drift rates are a few milliseconds per day.

TS-100: Sprengnether crystal controlled chronometer. Output and performance characteristics are similar to those of RM-USGS.

5. Telemetered system response

The peak magnification of the standard telemetered systems (System II, with the film strip magnified 20 times for viewing) is about 2×10^5 at a period of 0.1 second, the response falls off 6 db/octave. (Figure .)

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 the 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 17, Summary 61.

Table 6.--Tilt Coordinates at Uwekahuna

July, August, and September 1971

Date	N-S	E-W	Date	N-S	E-W
July 4	561	371	Sept. 5	585	358
11	562	369	12	591	357
18	564	364	19	597	350
25	567	363	26	628	348
Aug. 1	570	359			
8	573	357			
15	580	359			
22	581	361			
29	583	360			

Table 7.--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 4)

Tilt base	Date (1971)	1/ Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading	Date of last reading (1971)
Uwekahuna (U on fig. 4)	30 Sep	693.8	375.3	15.66 N 9.3°W	15 Jun
Tree Molds (TM)	30 Sep	554.5	488.3	5.45 N35.9°E	16 Jun
Sand Spit (SS)	Unable to be read this epoch				
Mehana (M)	1 Oct	599.6	593.4	1.22 N14.4°W	24 Jun
Keamoku (Kea)	29 Sep	764.3	249.5	74.73 N44.9°W	16 Jun
Ahua Kamokukolau (Kam)	1 Oct	445.6	528.3	13.05 S54.2°E	15 Jun
Kipuka Nene (KN)	5 Oct	282.7	501.3	1.70 S47.6°E	17 Jun
Hilina Pali (HP)	5 Oct	455.6	493.3	0.49 S 3.2°W	17 Jun
Kapapala Ranch (Kap)	29 Sep	483.6	519.9	0.36 S70.0°W	24 Jun

1/ See Table 8, HVO Summary 60

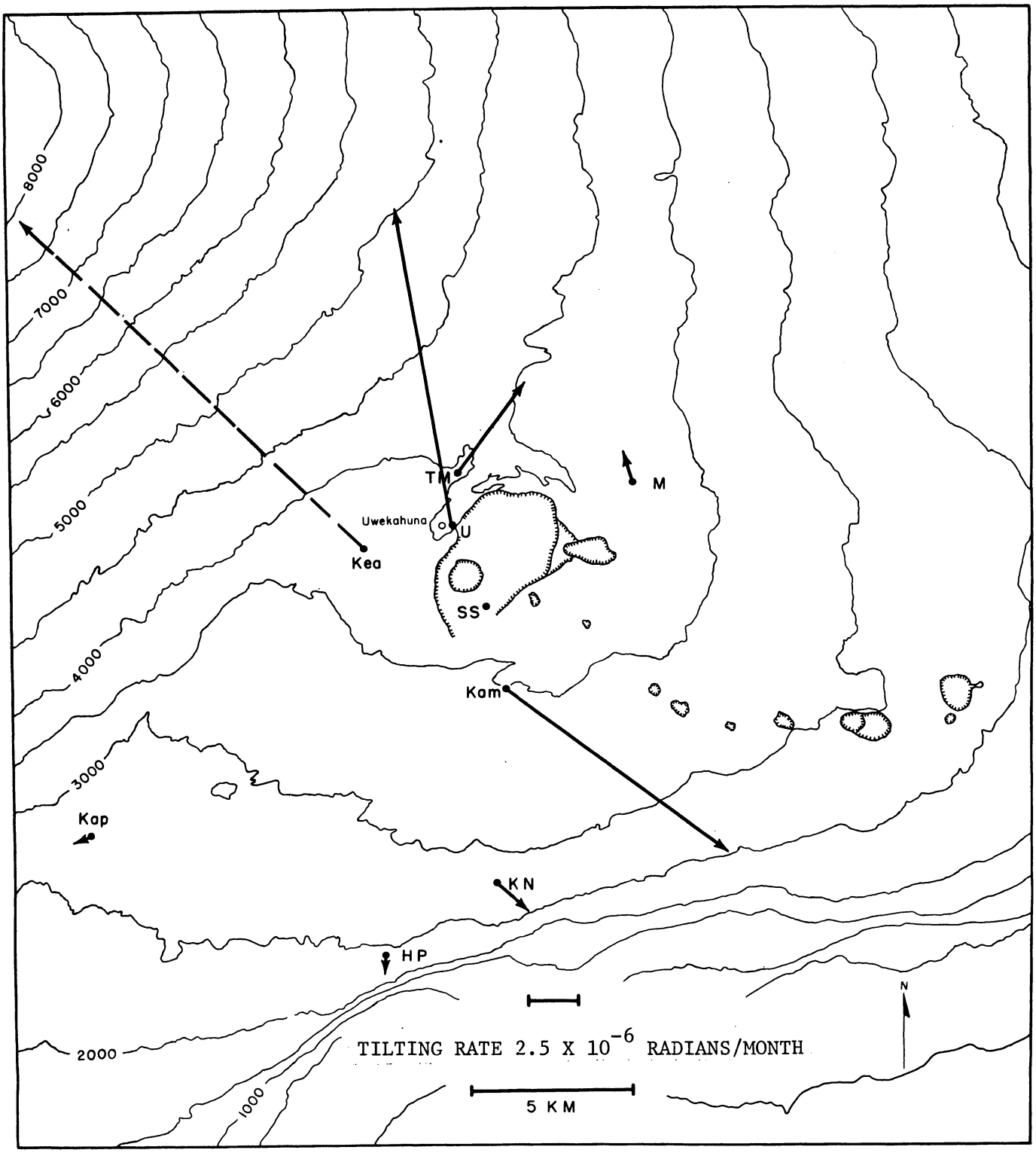

Figure 3.--Tilting of the ground around Kilauea Caldera. The vector depicting tilting at a given tilt base points in the direction of maximum relative subsidence, and its length is proportional to the rate of tilting during the measurement interval. Closed circles represent field tilt bases; open circles, short-base watertube tiltmeters. See Table 7 for explanation of abbreviations.

Reference Cited

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAWAIIAN VOLCANO OBSERVATORY

SUMMARY 64

October, November, and December 1971

By

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and Marie S. Onouye

Chronological Summary

By

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Illustrations

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CHRONOLOGICAL SUMMARY

There was no eruptive activity at Kilauea during this quarter, but a long continuous summit inflation followed the September eruption at the summit and southwest rift zone. Extremely numerous shallow caldera earthquakes continued to accompany this inflation. In addition, earthquake swarms were frequent in the eastern part of the Hilina fault system, the lower southwest rift zone, and offshore from the intersection of these zones. A major swarm occurred on December 23-29 that caused a temporary break in the otherwise steady inflation.

Mauna Ulu had continued to contain a quietly degassing lava pond that dropped to successively lower levels through the eruptions of August and September elsewhere on Kilauea. A persistent very heavy fume cloud prevented frequent observations at Mauna Ulu, but lava was audible and occasionally visible low in its summit crater through mid-October. After that time, however, the crater was quiet, and by early November occasional clear views showed that the lava had completely drained, leaving the rubbly crater floor about 180 m deep.

SEISMIC SUMMARY

Events recorded by the U. S. Geological Survey seismograph network in Hawaii fall into 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 1. 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 2. The location of each seismograph station is listed in Table 4, along with a description of the equipment at each station.

Table 1.--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 a source about 30 km beneath the summit region; Kilauea Summit Long-Period, earthquakes characterized by low-frequency waves that originate roughly 5 km beneath the summit region; Kilauea Summit Shallow, earthquakes a few km deep in 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 and the adjacent fault systems of Kilauea's south flank; Koae, earthquakes along the northeast-trending Koae fault system south of the caldera; Lower East Rift, earthquakes from the lower east rift zone of Kilauea; Offshore Puu Pili, offshore earthquakes mostly southeast of Puu Pili (PPL) station.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes								
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Offshore Puu Pili	Remarks
	Deep	Intermediate	Shallow	30 KM	Long Period	Shallow						
Oct. 1		60m		2	131	3002[1/]	46	74	19	3		Shallow summit quake count include disturbances from cooling lava flows at OTL, WLG stations.
2		10m		2	86	2311	49	53	24			
3				4	102	2232	36	73	17	3		
4	22m			1	68	1738	?	58	40	1		
5				2?	75	1851	29	80?	17	2		
6				2	54	1624	48	64	19	1		
7				3?	69	1344	57	51	12?	2		
8					42	2726	189	122?	19	3		Numerous rockfalls at Halemaumau during October.
9				3	25	3019	154	371	27	10		
10				2	32	3173	167	443	32	12		
11		195m			69	1432	67	146	24	5	188	
12				4	38	1100	46	197	15	1	61	
13				2	42	1002	28	217	14	5	15	
14					28	1351	68	266	18	1	?	
15		10m		1	43	1345	43	163	13	8		
16				1	46	1609	36	249	13	4		
17					30	2824	69	237	36	11		
18				1	41	1996	52	620	49	11		
19				1	36	1941	37	304	38	6		
20				1	40	1597	29	290	50	4	3	
21				2	22	1512	30	256	51	2		
22					13	1184	41	212	22			
23				1	33	1897	97	187	21	1		
24				2	76	1819	71	291	32	12		
25	6m			1	32	1541	43	421	18	5		
26	3m				42	1962	88	871?	46	14		
27	12m			1	32	1437	22	195?	31	11		
28				1	72	1693	26	157	15	2		
29				1	86	1711	25	119	12	2	3	
30				3	32	1597	26	70	21			
31				2	37	1326	34	68	11	6		

Low level tremor on the upper east rift, and sporadic summit bursts early in the month.

Some quakes included in SW Rift/Kaoiki count.

[1/] Develocorder count from NPT, OTL, WLG stations.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes									
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Offshore Puu Pili	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow						
Nov. 1				1	47	1368	36	126	22	3	77[1/]	Frequent rockfalls at Halemaumau and Mauna Ulu throughout the month.
2	57m				18	1933	40	410	33	11	256?	
3				1	21	1194	30	103?	15	4	19	
4				?	?	?	36?	285?	?	?	?	
5				2	22	2743	52	336	25	2	10	
6				1	24	3579	79	244	14	2	8	
7				2	8?	1058?	33?	120?	18?			
8					14	1547?	31	91?	14			
9				3	54	2458	37	24	19	5	2?	
10					14?	867?	27?	44?	6			
11				2	16	1912	26	50	3			
12		8m		1	24	1577	40	52	14	1		
13				2	58	1580	37	78	22	1		
14				2	19	1626	21	106	18	1		
15					9	2056	277	112	37	3		
16					74	2342	64	137	35	2		
17					23	1857	21	55	2	1		
18	42m				32	2620	36	177?	20	1	358?	
19	40m			1	29	2469	34	144	11		182?	
20		7m			66?	2480?	34	99	18		85?	
21	8m				25	1586	58	35	10		?	
22				1	17	1096	31	58	18		3?	
23				1	27	1303	36	40	7		1?	
24					32	1550	26	64	14	1	2	
25					24	1955	24	112	38	6	1	
26				2	23	1219	29	86	10	7		
27				3	35	2134	28	239	37		13	
28		?			16	1227	35	100	33	4		
29				1	16	2194	35	123	23	2	109	
30				1	39	2015	25	71	20	1	24	

Very weak tremor on the upper east rift throughout the month.

[1/] Some offshore PPL quakes included with SW Rift/Kaoiki count.

Date (1971)	Tremor (m = minutes h = hours)			Earthquakes								
				Kilauea Summit			SW Rift and Kaoiki	Upper East Rift	Koae	Lower East Rift	Offshore Puu Pili[1/]	Remarks
	Deep	Inter-mediate	Shallow	30 KM	Long Period	Shallow						
Dec. 1	45m			2	54	2123	36	79	15	1	9	Frequent rock falls at Mauna Ulu and Halemaumau during the month.
2					7	2006	22	110	13	2	14	
3		4m		1	24	2853	88	247	45	6	1	
4	89m	5m			33	3121	53	287	96	6		
5				4	54	2171	19	145?	55	3	2	
6	30m			1	39	2151?	33	252	50	10		
7	39m	9m			50	1987	32	327	41	15	278?	
8					34	1475	34	345	43	2	115	
9	50m			1	3?	1759	12?	120?	34	1	68?	
10				2	15	1552	12	81	14		31?	
11					46	1352	8	54	37		5?	
12				2	24	1384	15	77	57	6	50	
13	12m			1	26	1424	32	105	52	7	60	
14				2	41	1905	41	194	78	11	88?	
15				1	33	1935	65	219	33	2	197?	
16	14m	13m			137	2635	47	328	90	18	100?	
17				2	130	2793	48	480	108	5	472	
18					65	2912	38	591	86	15	584	
19		10m?		1	103	1538	37	175	56	1	231	
20	30m	5m		2	61	1829	64	87	40	4	115	
21	?			2	52	2379	54	374?	62	8	766?	
22		45m			80?	1423	98*	342*	208*		166?	*Hilina quakes included.
23					28	1510	298*	373	199	12	76	
24		60m		2	61	1667	217*	227	153	4	85	
25					10	1675	504*	308	151	4	100	
26				2	37	1311	1084*	168	91	1	73	
27					54	1137	1283*	197	74		28	
28				1	29	1466	936*	131	118		62	
29				2	18	1447	237*	101	159	6	87	
30				3	121	2410	253*	452	121	12	181	
31					61	2202	82*	455	254	14	221	

Sporadic weak bursts of tremor on the upper east rift throughout the month.

[1/] Some lower SW Rift/west Hilina quakes included with Offshore PPL count.

Table 2 is a chronological listing of successfully located earthquakes. For each event the following data are presented:

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

Epicenter in degrees and minutes of North latitude (LAT N) and West longitude (LONG W). Poor convergence of the epicenter solution is indicated by "?".

Depth - depth of focus in km. Assumed depth is indicated by "x".

Mag - magnitude, if determined.

NO - number of stations used in locating earthquakes.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in km to the nearest station.

ERT - standard error of the origin time in seconds.

ERH - standard error of the epicenter in km.

ERZ - standard error of the depth in km.

MD - mean deviation of the time residuals. $\left[= \sum_i R_i /NO \right]$ where R_i is the observed seismic wave arrival time less the computed time at the i^{th} station.

Q - solution quality of the hypocenter. This measure is intended to indicate the general reliability of each solution:

Q	EPICENTER	FOCAL DEPTH
A	excellent	good
B	good	fair
C	fair	poor
D	poor	poor

Q is based both on the nature of the station distribution with respect to the earthquake and the statistical measures of the solution. These two factors are each rated independently according to the following scheme:

Station Distribution

	NO	GAP	DMIN
A	$\geq$ 8	$\leq$ 120°	$\leq$ DEPTH or 5 km
B	$\geq$ 6	$\leq$ 150°	$\leq$ 2 x DEPTH or 10 km
C	$\geq$ 6	$\leq$ 225°	$\leq$ 50 km
	$\geq$ 4	$\leq$ 180°	
D	Others		

Statistical Measures

	ERH(km)	ERZ(km)	MD(sec)	RMAX(sec)*
A	$\leq$ 1.0	$\leq$ 2.0	$\leq$ 0.10	$\leq$ 0.25
B	$\leq$ 2.5	$\leq$ 5.0	$\leq$ 0.20	$\leq$ 0.50
C	$\leq$ 5.0		$\leq$ 0.30	$\leq$ 0.75
D	Others			

Q is taken as the average of the ratings from the two schemes, that is, an A and a C yield a B, and two B's yield a B. When the two ratings are only one level apart the lower one is used, that is, an A and a B yield a B (Hamilton and others, 1969).

The criteria for Q are the same as used by the Office of Earthquake Research and Crustal Studies, U. S. Geological Survey.

* RMAX is the maximum residual

SUMMARY OF SEISMIC EVENTS

1971		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT	1	0	29	7.8	19-15.4	155-22.1	0.4*	1.8	13	169	7.7	0.12	0.9		0.19	C
	1	0	41	59.3	19-15.4	155-21.6?	2.9	2.1	20	162	7.0	0.48	0.8	1.8	0.19	C
	1	1	26	4.7	19-15.7	155-20.3	8.0*	1.8	11	195	5.2	0.24	2.0		0.23	C
	1	1	37	21.7	19-14.5	155-22.2?	0.0	1.9	14	179	8.7	5.77	0.9	11.0	0.17	C
	1	2	11	59.6	19-15.6	155-20.3	0.7	2.0	20	168	9.7	0.26	0.6	0.5	0.14	C
	1	2	41	21.8	19-15.4	155-20.4	0.2	1.6	22	168	5.7	0.40	0.9	0.7	0.24	C
	1	2	53	35.8	19-15.3	155-22.1?	0.0	1.3	18	147	7.9	5.75	0.9	10.9	0.20	C
	1	4	59	56.3	19-14.0	155-21.6?	0.0	2.7	27	157	8.9	0.29	0.6	0.5	0.16	C
	1	15	1	54.4	19-14.3	155-22.2?	0.0	2.6	20	155	8.8	0.98	2.3	1.8	0.40	D
	1	16	5	31.6	18-53.3	155-11.4	12.7*	2.4	10	265	41.5	0.59	4.0		0.17	D
	1	16	18	50.0	19-15.5	155-22.1?	0.0	1.6	17	146	7.6	0.42	0.7	0.8	0.18	B
	1	20	9	33.4	19-13.5	155-21.6?	0.0	2.2	23	160	9.7	0.46	0.7	0.8	0.17	C
	1	23	27	36.1	19-22.1	155-24.3	6.3	1.6	15	114	3.9	0.10	0.8	0.8	0.19	B
	1	23	28	14.6	19-20.0	155-14.6	29.9	1.8	22	138	4.9	0.13	0.8	1.3	0.11	B
	2	0	52	48.5	19-20.1	155-11.7	5.8	1.4	16	144	4.7	0.09	0.7	0.6	0.16	B
	2	0	55	45.9	19-21.6	155-23.7	6.4	1.5	17	110	2.7	0.08	0.7	0.7	0.15	B
	2	2	13	36.8	19-24.5	155-22.2?	8.0*	1.2	8	238	4.6	1.64	8.7		0.38	D
	2	2	23	2.6	19-19.9	155-18.8	25.4	2.1	15	84	2.5	0.16	0.8	1.7	0.10	A
	2	11	38	10.1	19-15.1	155-22.5?	0.0	1.7	14	146	7.7	5.62	1.0	12.6	0.21	C
	2	19	29	52.3	19-14.6	155-22.3?	0.0	2.3	22	152	8.5	0.50	0.8	0.9	0.21	C
	2	19	40	46.4	19-14.2	155-22.5?	0.0	1.9	16	154	8.4	7.58	1.1	14.4	0.21	C
	2	19	46	31.2	19-19.5	155-12.0	5.9	1.4	15	149	5.5	0.13	1.0	0.9	0.22	C
	2	19	47	18.7	19-15.0	155-22.9?	0.0	1.8	17	146	7.2	6.27	0.9	11.9	0.18	C
	2	20	7	33.9	19-21.9	155-24.6?	7.4	3.2	22	69	4.0	0.09	0.7	0.6	0.17	B
	2	20	17	17.3	19-14.6	156-12.6	1.8	2.3	14	301	62.1	0.39	6.3	2.9	0.10	D
	2	20	23	44.7	19-15.3	155-23.0?	0.0	2.1	12	142	6.8	3.39	0.5	6.4	0.08	C
	2	20	30	18.9	19-12.7	155-21.2?	3.4	1.9	12	176	10.7	0.18	1.5	3.0	0.18	C
	2	21	6	59.4	19-22.1	155-25.0	6.1	1.5	16	116	4.5	0.09	0.8	0.8	0.17	B
	2	23	6	40.7	19-18.5	155- 8.4	5.6	1.3	11	192	7.1	0.22	1.5	1.1	0.20	C
	2	23	34	26.6	19-15.1	155-22.5?	0.0	1.8	14	147	8.6	5.64	0.9	10.7	0.18	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 3	1	5	10.8	19-20.3	155- 5.5	2.0	1.8	17	190	8.3	0.50	1.1	1.8	0.20	C
3	4	16	11.8	19-22.3	155-24.1	6.7	1.7	19	66	4.1	0.10	0.7	0.7	0.20	B
3	7	20	4.3	19-23.8	155-22.4?	3.2		11	158	4.7	0.14	0.9	1.1	0.14	C
3	7	43	37.4	19-21.3	155- 7.4	5.4	1.2	12	145	4.5	0.11	0.9	0.9	0.17	B
3	13	14	41.3	19-19.6	155-12.0	3.6	2.3	23	148	5.3	0.15	0.9	1.0	0.28	C
3	17	19	1.1	19-11.6	155-20.3?	0.0	2.2	18	191	12.1	5.13	1.2	9.6	0.20	C
3	19	2	38.8	19-19.0	155-12.3	17.7	1.6	8	223	6.4	0.52	2.6	4.0	0.08	C
3	19	36	0.1	19-20.6	155-11.2	12.1	1.2	8	154	3.5	0.31	1.9	3.4	0.10	C
3	19	53	12.3	19-21.5	155-20.9?	5.4	1.3	7	104	4.6	1.72	2.1	5.0	0.24	C
4	3	31	47.6	19-38.3	154-57.9	46.3	2.4	24	210	15.8	0.24	1.4	1.8	0.16	C
4	3	51	38.1	19-19.7	155-10.2	4.1	1.8	17	170	4.5	0.15	1.0	1.1	0.21	C
4	4	10	26.7	19-24.2	155-23.8?	6.0	2.2	23	49	7.2	0.09	0.8	2.0	0.22	B
4	4	46	19.9	19- 1.5	156- 5.3?	9.5	3.5	28	298	55.2	0.39	2.7	8.7	0.22	D
4	5	0	48.6	19-24.2	155-27.6?	7.5	2.9	20	89	10.5	0.09	0.9	1.8	0.17	B
4	5	39	29.1	19-16.3	155-22.1?	8.0*	1.5	9	155	6.8	0.22	1.8		0.23	C
4	5	53	1.3	19-18.9	155-13.3	8.0*		10	214	7.5	0.18	1.2		0.10	C
4	10	25	5.0	19-19.5	155-12.2	8.0*	1.4	10	215	5.5	0.14	1.0		0.10	C
4	14	41	7.5	19-15.6	155-29.4	8.0*		7	215	11.6	0.32	2.5		0.17	C
4	14	41	26.8	19-13.4	155-22.8	8.0*		9	176	11.5	0.25	2.5		0.24	C
4	15	58	33.8	19-22.7	155-17.2	15.3	1.3	18	80	1.3	0.05	0.5	0.7	0.09	B
4	18	13	20.1	19-18.8	155-16.0	9.1		10	210	3.4	0.28	1.5	2.2	0.10	C
4	20	5	22.6	19-25.4	155-14.6	8.0*	1.5	8	127	10.3	0.15	1.3		0.20	C
4	20	15	42.7	19-20.3	155-12.6	9.3	0.9	11	156	4.0	0.11	0.8	1.5	0.09	B
4	20	45	22.1	19-20.5	155- 8.6	5.8	2.2	21	143	3.7	0.11	0.8	0.7	0.20	B
5	0	3	13.2	19-18.7	155-15.0	9.1	1.6	14	190	4.9	0.12	0.9	1.7	0.11	C
5	0	47	49.4	19-11.3	155-20.1?	0.0	2.2	20	201	12.6	0.70	1.5	1.2	0.24	C
5	2	55	42.2	19-19.6	155-16.1	6.0	2.2	16	160	2.4	0.09	0.8	0.6	0.15	C
5	3	42	7.0	19-18.6	155-16.1?	8.0	1.3	16	167	3.6	0.09	0.8	1.2	0.14	C
5	3	45	33.3	19-21.5	155-20.6?	0.0	1.7	10	99	4.4	1.14	0.5	2.3	0.13	B
5	5	42	29.7	19-20.5	155-13.5	6.3	1.5	18	150	3.9	0.11	0.8	0.7	0.20	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 5	17	0	46.7	19-15.7	155-22.3?	0.0	1.7	17	190	7.6	0.49	1.0	0.9	0.19	C
5	18	39	41.3	19-20.4	155-11.6	6.6	2.2	21	141	4.1	0.10	0.8	0.6	0.20	C
5	19	57	16.6	19-22.4	155-23.4	4.0	1.6	12	153	4.0	0.12	0.8	1.6	0.19	C
5	20	6	39.0	19-20.3	155- 7.6	8.0*	1.9	12	161	5.1	0.12	1.1		0.13	C
5	20	41	27.1	19-24.1	155-16.0	1.8	0.7	7	105	2.1	0.10	0.5	0.5	0.08	B
6	2	48	9.6	19-11.6	156-16.9?	8.3	2.4	17	294	52.3	1.05	28.2	58.0	0.43	D
6	6	13	18.5	19-18.3	155-11.3	8.0*		12	188	7.4	0.11	0.8		0.10	C
6	6	40	56.2	19-14.6	155-17.6	3.9		13	173	6.4	0.14	0.9	1.0	0.14	C
6	8	26	22.0	19-18.2	155-15.2	9.6		11	236	5.2	0.47	2.2	3.0	0.11	C
6	9	20	48.1	19-20.5	155-24.9	7.6		10	125	2.9	0.17	1.5	1.1	0.19	B
6	10	14	28.1	19-21.3	155-24.5	8.6		10	165	2.9	0.12	0.8	1.8	0.10	C
6	11	9	45.4	19-20.3	155-18.4	28.3	2.1	16	86	1.8	0.21	1.0	2.0	0.11	B
6	12	55	1.8	19-18.5	155-15.5	4.9	2.2	21	150	4.4	0.16	1.0	0.9	0.29	C
6	14	0	34.9	19-19.1	155- 8.8	8.0*	1.8	9	182	5.9	0.15	1.3		0.14	C
6	18	24	9.1	19-20.0	155-11.5?	6.5		11	216	4.9	0.47	2.6	4.3	0.13	C
6	18	46	3.6	19-19.9	155- 9.5	8.3	1.8	12	167	4.0	0.08	0.8	1.5	0.10	B
6	18	58	50.8	19-16.2	155-21.8	8.0*	1.6	14	157	6.5	0.08	0.7		0.13	C
6	19	6	38.8	19-16.1	155-21.7	8.0*	1.5	13	163	6.4	0.10	0.9		0.16	C
6	20	8	38.5	19-22.0	155-18.5	25.0	2.7	28	53	3.8	0.13	0.9	1.3	0.17	B
6	20	23	21.4	19-11.6	155-21.4	8.0*	2.2	8	225	11.9	0.12	0.8		0.07	C
6	20	24	57.0	19-16.7	155-22.0	8.0*	1.2	11	149	6.3	0.10	1.0		0.16	C
6	20	25	36.0	19-17.5	155-21.6	8.0*	1.1	10	136	5.2	0.15	1.2		0.18	C
7	8	1	50.6	19-21.0	155- 7.6	11.4	1.7	9	164	4.4	0.19	1.4	2.2	0.08	C
7	9	34	4.2	19-19.2	155-11.8	8.0*	1.3	11	174	6.2	0.10	0.8		0.10	C
7	9	41	33.8	19-19.4	155- 6.9	8.0*		11	191	7.0	0.23	2.0		0.21	C
7	9	43	11.6	19-20.0	155- 0.7?	9.0	2.1	13	225	3.9	0.24	2.5	1.6	0.21	C
7	13	10	30.1	19-21.6	155-20.9	1.9*	1.3	7	108	4.4	0.05	0.4		0.08	C
7	13	16	12.2	19-18.0	155-13.3	8.0*		10	231	8.1	0.32	2.1		0.18	D
7	16	41	52.3	19-20.6	155-14.7	6.8		9	163	4.0	0.19	1.2	1.2	0.15	C
7	20	16	17.2	19-35.3	155-52.8	31.9	2.3	15	209	8.7	0.27	1.3	2.4	0.08	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 7	21	51	47.4	19-17.9	155-14.9	10.4	2.0	10	222	6.1	0.37	1.7	2.9	0.10	C
8	1	14	0.8	19-22.6	155-23.1	1.0	1.4	9	173	4.5	0.31	1.1	1.8	0.11	C
8	3	23	40.9	19-18.9	155- 8.7	3.2	2.1	19	164	6.3	0.14	0.8	0.9	0.20	C
8	6	50	49.8	19-22.7	155-43.4?	8.9	2.1	14	197	18.1	0.28	1.6	2.7	0.16	C
8	13	1	27.7	19-24.4	155-18.1	5.6	1.3	8	103	2.1	0.12	0.8	0.8	0.08	A
8	19	20	57.5	19-17.4	155-14.9	1.4	2.0	18	185	9.3	1.23	0.8	4.4	0.17	C
8	19	45	35.0	19-19.4	155-11.3	9.3		10	247	5.5	0.38	1.9	3.1	0.09	C
8	22	38	32.3	19-22.3	155-22.4	5.6		7	154	5.0	0.26	0.7	2.6	0.07	C
9	0	9	1.2	19- 9.9	155-33.9	3.3	2.2	18	120	10.5	0.16	1.1	1.2	0.24	B
9	0	17	36.5	19-14.5	155-17.2	1.2	2.9	27	176	10.3	0.33	0.8	1.1	0.23	C
9	0	30	13.7	19-16.1	155-18.8	7.6	2.5	13	196	11.0	0.16	0.9	0.9	0.08	C
9	2	29	49.5	19-25.1	155-27.3	4.6	1.8	18	82	11.2	0.12	0.8	1.3	0.23	B
9	3	32	40.5	19-18.0	155-12.6	8.0*		12	249	8.3	0.24	1.4		0.09	D
9	5	58	54.0	19-14.5	155-17.3	0.3	2.4	27	176	10.4	0.34	0.8	0.6	0.22	C
9	7	2	20.3	19-14.3	155-17.5?	3.2	2.0	21	176	10.7	0.45	0.7	1.7	0.16	C
9	7	15	44.9	19-19.4	155-16.4	6.0		12	209	2.2	0.22	1.5	0.8	0.16	C
9	14	22	13.1	19-24.0	155-16.0	14.3	2.3	24	61	2.4	0.05	0.5	0.7	0.11	B
9	14	53	17.6	19-18.6	155-15.7?	4.3	2.2	22	148	7.1	0.10	0.6	0.7	0.20	B
9	15	42	11.4	19-20.8	155-23.5	7.7	2.3	19	64	1.2	0.06	0.6	0.4	0.13	B
9	17	48	12.2	19-19.0	155-16.9	8.4		14	172	2.2	0.13	1.0	1.6	0.16	C
9	23	47	40.4	19-25.6	155-24.4	2.4	1.5	16	91	7.5	0.11	0.7	1.8	0.20	B
10	2	29	40.3	19-19.5	155-14.2	8.0*		15	193	5.7	0.13	0.9		0.16	C
10	2	44	24.2	19-25.6	155-26.6	6.6	1.3	14	106	9.6	0.12	0.9	0.8	0.20	B
10	8	18	37.5	19-18.0	155-15.3	3.4	1.8	19	199	8.2	0.15	0.8	0.8	0.14	C
10	8	31	30.8	19-20.2	155- 7.5	8.0*		10	176	5.4	0.07	0.7		0.08	C
10	9	31	58.9	19-25.1	155-22.5	8.0*	1.4	11	95	5.5	0.04	0.4		0.07	B
10	12	17	31.5	19-21.1	155-20.8?	0.8	1.3	9	123	4.6	1.39	0.7	2.8	0.14	B
10	19	41	18.4	19-22.3	155-23.5	7.0	2.0	22	72	3.9	0.06	0.6	0.5	0.17	B
11	2	39	4.8	19-17.8	155-12.6	2.9	2.3	20	163	8.5	0.13	0.8	0.9	0.21	C
11	5	23	44.7	19-19.8	155-11.3	2.8	1.3	18	179	6.6	0.19	1.0	1.6	0.25	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 11	13	28	4.4	19-15.4	155-18.1	8.0*		12	165	8.8	0.14	1.2		0.20	C
11	15	13	33.4	19-22.3	155-24.8	4.0		15	61	4.7	0.09	0.8	1.4	0.21	B
11	16	3	10.3	19-20.4	155-11.1?	8.0		11	163	3.7	0.14	1.3	0.7	0.14	C
11	19	56	2.4	19-38.2	155-12.3	8.0*	1.6	16	80	15.4	0.05	0.5		0.13	B
11	20	41	26.1	18-53.9	155-14.7	13.5*	2.4	13	252	36.9	0.45	3.2		0.23	D
11	21	1	10.0	18-51.8	155-12.7	8.0*	2.6	16	259	42.2	0.28	1.9		0.10	D
11	21	20	27.7	18-54.0	155-14.1	14.9*	2.9	21	252	37.5	0.19	1.3		0.12	D
11	21	24	59.3	18-55.8	155-15.8	14.3*	2.4	15	245	32.9	0.38	2.6		0.27	D
11	21	56	11.2	18-55.7	155-14.2?	7.8*	2.9	20	247	35.0	0.36	2.5		0.23	D
11	21	58	31.1	18-51.1	155-12.9	2.9	2.6	12	261	42.8	1.43	2.3	8.3	0.10	D
11	22	2	31.5	18-50.1	155-12.5	8.0*	2.2	16	264	44.8	0.37	2.4		0.11	D
11	22	52	2.6	18-54.5	155-18.3	12.7*	2.5	9	275	32.4	0.80	5.5		0.17	D
11	23	0	43.5	18-48.1	155-10.5	1.3	2.2	13	269	49.9	0.54	4.6	3.2	0.14	D
11	23	3	38.5	18-49.5	155-12.1	8.0*		12	266	46.2	0.43	2.9		0.11	D
11	23	4	14.7	18-54.8	155-15.3	13.5*	3.2	24	249	35.0	0.19	1.3		0.15	D
11	23	6	49.1	18-41.1	155-11.4	8.0*		7	311	59.9	3.35	20.6		0.13	D
11	23	7	18.4	18-50.8	155-12.3	12.1	2.6	12	262	44.1	0.48	3.5	9.3	0.15	D
11	23	20	40.0	19-18.5	155-15.3	9.0		10	228	4.8	0.28	1.5	2.2	0.10	C
11	23	28	5.4	18-49.3	155-12.8	8.0*	2.6	11	265	45.6	0.53	3.6		0.14	D
12	1	38	14.3	18-56.5	155-13.6?	14.5*	2.3	18	279	34.7	0.43	2.9		0.23	D
12	1	38	53.5	18-57.5	155-14.5	10.1	3.0	17	276	32.2	0.41	3.0	3.4	0.20	D
12	1	45	19.5	18-54.5	155-11.6	3.9	2.5	8	283	39.7	1.97	5.6	10.3	0.10	D
12	2	19	27.8	19- 1.3	155-13.1?	1.5	2.5	22	266	30.1	0.35	1.7	0.8	0.19	C
12	2	28	18.2	19-22.3	155-25.0	8.0*		7	230	4.9	0.21	1.3		0.08	D
12	2	43	46.1	18-52.4	155-13.4?	21.3	2.5	21	258	40.5	0.48	3.6	8.5	0.20	D
12	2	49	17.7	18-55.5	155-14.5	9.8	2.4	25	247	34.9	0.32	2.0	2.8	0.21	D
12	3	1	34.9	18-55.4	155-14.4	13.9*	2.5	18	247	35.2	0.33	2.3		0.21	D
12	3	2	12.0	18-51.8	155-13.8	0.9*	2.6	9	258	41.0	0.61	4.1		0.17	D
12	3	12	34.4	18-53.1	155-14.9	10.4*	2.6	11	261	37.8	0.55	3.8		0.16	D
12	3	47	3.8	18-47.5	155-12.1	1.3	2.7	14	270	49.1	0.58	4.9	3.0	0.20	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 12	4	27	30.7	18-56.2	155-18.6	11.5*	2.5	12	246	29.4	0.36	2.6		0.13	D
12	4	49	8.5	18-50.0	155-12.3	8.0*	2.2	14	264	45.2	0.47	3.1		0.16	D
12	5	54	50.1	18-53.8	155-13.1	8.1	2.5	9	253	38.9	0.93	4.6	5.5	0.19	D
12	6	45	2.9	19-23.8	155-22.8	8.0*	1.5	12	102	5.4	0.05	0.4		0.09	B
12	7	10	9.9	19-21.3	155-20.8	8.0*		7	100	4.8	0.16	1.4		0.20	C
12	7	41	25.4	19-23.7	155-22.8	8.0*	1.2	9	167	5.3	0.09	0.7		0.11	C
12	7	42	43.6	19-19.3	155-14.6	9.7	1.7	9	193	5.2	0.24	1.4	2.6	0.12	C
12	8	33	59.7	19-19.3	155-13.3	8.0*	1.5	13	205	5.9	0.13	0.9		0.11	C
12	8	49	29.9	18-52.6	155-13.5?	21.2	3.5	25	256	40.2	0.33	3.1	5.8	0.18	D
12	10	15	9.7	18-52.5	155-13.6?	22.7	2.9	18	256	40.0	0.42	2.6	7.3	0.13	D
12	10	19	0.8	18-49.3	155-12.7	8.0*	2.6	14	265	45.8	0.50	3.4		0.17	D
12	10	35	10.3	19-26.6	155-25.7	7.6	1.9	16	93	7.3	0.08	0.6	0.5	0.13	B
12	12	16	57.9	18-55.8	155-14.0?	8.7*	2.6	14	246	35.2	0.36	2.5		0.21	D
12	12	52	54.9	18-51.2	155-13.7	8.4*	2.6	10	267	41.9	0.79	5.4		0.16	D
12	18	26	5.5	18-49.6	155-11.7	8.0*	2.5	14	265	46.5	0.56	3.7		0.16	D
12	18	30	16.0	18-52.3	155-12.1?	9.5	2.8	22	258	42.0	0.41	2.6	11.6	0.19	D
12	18	35	55.5	19-20.8	155- 8.9	5.2	2.1	14	139	7.2	0.10	0.8	0.8	0.15	B
12	19	9	17.5	18-52.7	155-12.0	7.5		11	257	41.6	1.82	2.9	10.7	0.13	D
12	22	8	27.8	18-53.0	155-12.9	2.0*		12	264	40.1	0.52	3.4		0.18	D
12	23	52	54.4	19-24.2	155- 2.1?	0.0	2.0	18	131	8.1	4.51	1.0	8.5	0.22	C
13	0	29	46.2	18-59.4	155-13.8?	7.5		15	242	31.0	1.37	3.1	7.7	0.24	D
13	2	22	22.7	19-19.2	155-13.6	1.0	2.5	20	148	6.2	0.45	0.8	1.6	0.22	C
13	4	18	4.0	19-19.2	155-20.6?	8.0*	1.1	10	170	5.1	0.28	2.3		0.33	D
13	4	37	15.6	19-22.1	155-22.6	6.0	1.4	13	135	3.6	0.12	0.9	1.1	0.19	B
13	4	59	42.7	19-24.5	155-18.6	11.9	1.1	11	96	2.3	0.03	0.4	0.3	0.06	A
13	7	44	14.2	19-24.4	155-16.9	0.6	0.7	8	74	0.8	0.12	0.3	0.3	0.08	A
13	8	5	46.4	19-19.0	155-13.7	8.0*		13	193	6.7	0.14	1.0		0.14	C
13	8	16	5.9	18-52.7	155-12.0	3.7		14	265	41.6	2.20	3.7	12.5	0.15	D
13	8	38	42.9	19-24.1	155-16.1?	2.0	1.9	14	63	2.0	0.09	0.5	0.4	0.18	B
13	12	2	35.1	19-18.8	155- 9.7	4.3	1.7	10	196	6.0	0.20	1.3	1.8	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT	13	12	31	5.6	19-20.4	155-17.3	4.9	1.3	8	142	0.5	0.16	1.1	1.3	0.15	B
	13	15	13	1.4	18-50.4	155-14.5	1.2*	2.6	11	269	42.3	0.72	4.6		0.17	D
	13	17	37	54.2	18-54.1	155-13.3	8.5	2.5	15	253	38.3	0.43	2.1	2.6	0.12	C
	13	19	30	19.5	19-38.5	155- 5.7	11.4	2.2	13	248	15.6	0.25	1.6	0.9	0.09	C
	13	20	14	59.2	19-21.2	155-20.5	8.0*	1.4	9	97	4.8	0.13	1.2		0.20	B
	13	20	17	20.7	19-18.6	155-15.4?	6.8	1.6	20	148	4.4	0.09	0.7	0.6	0.15	B
	14	2	2	33.7	19-38.2	155- 3.8	23.5	2.3	16	179	14.7	0.23	1.1	3.7	0.13	C
	14	3	4	37.7	19-10.7	155-19.9?	0.0	2.0	19	178	13.6	5.42	1.0	10.2	0.18	C
	14	3	51	38.9	19-20.4	155-18.9	5.9	1.4	12	93	2.7	0.18	0.6	1.5	0.10	A
	14	10	43	14.4	18-44.9	155-13.3	8.0*		10	307	61.8	1.66	10.2		0.12	D
	14	16	53	54.8	19-21.2	155-20.7	8.0*		8	98	4.8	0.15	1.3		0.21	B
	14	22	44	28.5	19-29.8	155-13.8	23.4	2.1	26	56	8.6	0.07	0.4	0.9	0.10	B
	14	22	53	30.4	19-29.5	155-13.9	23.7	1.9	25	55	8.1	0.06	0.4	0.8	0.09	A
	15	1	32	25.5	19-10.0	155-37.5	3.6	2.4	17	246	9.1	0.40	1.9	1.1	0.17	C
	15	5	38	27.9	19-23.5	155-23.2	3.2	1.9	21	114	6.1	0.13	0.9	1.1	0.24	B
	15	5	48	57.2	19-21.6	155-20.7	0.5		8	102	4.3	1.17	0.5	2.3	0.08	B
	15	6	53	21.1	18-50.9	155-13.4	1.7*		13	290	42.8	0.80	5.0		0.16	D
	15	12	51	16.8	19-20.8	155-19.4	1.8*	1.3	7	96	3.7	0.05	0.4		0.08	C
	15	15	30	3.8	19-22.7	155-24.6	7.0		18	64	5.2	0.08	0.6	0.6	0.18	B
	15	18	30	45.7	19-22.7	155-23.7?	1.5	1.3	9	191	4.7	0.30	1.1	1.5	0.11	C
	15	18	36	5.2	19-22.3	155-25.0	8.0*	1.4	9	135	4.9	0.07	0.6		0.08	C
	15	19	30	11.0	19-19.7	155- 9.5	4.3	1.6	16	152	4.4	0.15	1.0	1.0	0.19	C
	15	20	12	1.7	19-19.3	155-14.5	8.0*	1.5	12	193	5.3	0.17	1.2		0.14	C
	15	22	39	42.8	19-20.0	155-10.5?	8.1		16	164	4.0	0.10	0.8	0.5	0.11	C
	16	2	21	24.0	19-23.3	155-24.8	1.8	1.5	13	173	6.3	1.46	0.7	5.4	0.13	C
	16	2	43	56.9	19-18.6	155-13.3?	0.0	1.6	17	217	7.3	4.35	1.0	8.1	0.14	C
	16	3	52	1.6	19-20.2	155-17.2	30.2	1.7	18	120	0.4	0.16	0.9	1.5	0.10	B
	16	5	0	4.2	19-20.3	155-19.4	6.0	1.4	13	78	3.5	0.11	0.4	1.1	0.08	A
	16	5	24	1.9	19-22.5	155-22.8?	1.1	1.2	11	108	4.3	0.13	0.4	0.5	0.10	B
	16	5	48	53.0	19-22.9	155-26.4	8.0	1.7	18	73	7.4	0.05	0.5	1.4	0.10	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 16	14	8	7.3	19-20.1	155-17.5	7.6	1.0	7	136	0.2	0.05	0.4	0.3	0.03	B
16	14	26	57.8	19-21.6	155-20.8	1.3	1.3	8	105	4.2	0.20	0.5	0.7	0.08	A
16	18	39	48.9	19-22.2	155-22.9	5.9	2.1	21	94	3.8	0.08	0.6	0.6	0.19	B
16	18	53	50.3	19-22.6	155-29.8?	0.0	1.4	12	97	12.1	9.39	1.0	17.9	0.24	B
16	19	8	43.6	19-20.9	155- 6.1	8.0*	1.5	9	147	5.9	0.15	1.5		0.23	C
16	19	27	11.9	19-19.4	155-15.1	8.9	1.3	13	158	4.2	0.09	0.6	1.2	0.08	C
16	22	34	52.9	19-16.5	155-11.8	8.0*	2.3	15	177	10.8	0.17	1.1		0.18	C
17	2	24	2.9	19-20.5	155-13.2	9.6	1.2	11	179	3.7	0.22	1.0	2.0	0.09	C
17	5	51	37.1	19-53.8	155-32.7	36.0	2.1	19	136	15.6	0.39	2.1	4.7	0.20	C
17	6	59	18.1	19-24.0	155-25.2	7.0	1.5	17	66	7.7	0.09	0.7	0.7	0.18	B
17	15	57	2.6	19-23.5	155- 4.6	3.4	1.8	20	149	7.2	0.11	0.7	0.7	0.17	B
17	19	0	3.9	19- 0.6	155-12.5	13.0*		18	285	31.5	0.56	3.6		0.13	D
17	22	28	21.5	19-21.4	155-14.4	27.8		14	145	3.1	0.16	0.9	1.6	0.10	B
18	0	45	51.4	19-18.8	155-13.1	8.0*		10	217	7.8	0.19	1.2		0.11	C
18	2	32	13.8	19-21.9	155-24.2?	6.1		12	149	3.6	0.19	1.5	2.5	0.21	C
18	8	18	38.7	19-39.4	155-30.0	28.6	1.9	18	103	14.4	0.17	0.7	2.2	0.08	B
18	10	21	38.5	19-22.1	155-18.2	32.4	2.3	19	69	3.2	0.19	1.0	1.8	0.10	B
18	16	2	28.3	19-20.0	155- 9.1	4.8		13	166	4.1	0.15	1.2	1.0	0.17	C
18	16	2	42.6	19-19.5	155- 9.2	3.8	2.0	21	154	4.8	0.14	0.9	1.0	0.22	C
18	16	31	40.0	19-19.6	155-14.1?	2.0		18	192	5.9	0.20	1.1	1.4	0.24	C
18	16	44	26.4	19-25.7	155-27.7?	7.1	1.9	20	74	10.8	0.14	0.7	1.1	0.15	B
18	17	1	4.4	19-21.0	155-23.7?	7.1		14	61	1.7	0.08	0.8	1.0	0.18	B
18	18	56	2.1	19-20.4	155- 8.0	5.0	2.6	22	144	4.5	0.13	0.9	0.7	0.22	C
18	22	1	1.5	19-18.1	155-12.4	2.6	1.7	20	161	9.5	0.16	0.9	1.5	0.26	C
18	23	48	9.1	19-49.3	155-38.7	6.6	1.8	12	160	20.0	0.39	1.8	2.5	0.21	C
19	1	31	25.4	19-21.9	155-24.5	7.2	2.8	21	95	3.8	0.08	0.7	0.6	0.19	B
19	1	35	4.9	19-22.8	155-26.2	5.3	1.9	21	72	7.0	0.09	0.6	0.9	0.19	B
19	3	11	28.0	19-30.1	155-47.3	5.6	2.1	18	198	19.8	0.17	1.1	0.8	0.13	C
19	11	3	32.3	19-20.8	155-16.0	28.1	2.1	18	127	2.7	0.11	0.6	1.1	0.09	B
19	11	30	26.7	19-13.7	155-22.0?	0.0	1.9	17	158	9.6	6.02	0.9	11.3	0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 19	12	0	10.2	19-18.8	155-13.5	8.3	1.6	17	176	6.8	0.08	0.6	1.4	0.10	C
19	12	19	59.3	19-19.4	155-13.7	8.0*	1.5	9	199	5.8	0.18	1.4		0.16	C
19	15	22	34.2	19-18.9	154-52.0	38.6	2.7	25	253	18.5	0.26	1.4	1.9	0.11	C
19	17	6	55.4	19-23.2	155-26.2	8.0*	1.3	11	80	7.6	0.05	0.5		0.09	B
19	21	4	54.1	19-18.1	155-14.4	8.0*		12	222	6.5	0.19	1.3		0.14	C
19	22	42	38.8	19-19.6	155-13.7	8.0*	1.1	10	193	5.5	0.14	1.0		0.12	C
19	23	18	56.2	18-59.4	155-28.7	34.4	2.9	28	217	18.6	0.23	1.3	2.2	0.15	C
20	2	40	31.2	19-19.6	155-15.9	6.1	1.4	14	161	5.1	0.08	0.6	0.5	0.12	C
20	2	56	2.4	19-19.2	155-15.6	6.3	1.3	14	183	3.5	0.12	0.8	0.6	0.14	C
20	3	7	26.3	19-19.5	155-15.7	6.4		15	164	3.2	0.08	0.7	0.5	0.12	C
20	3	49	19.8	19-20.2	155-14.6	3.6	1.7	18	149	4.7	0.14	0.8	1.4	0.23	C
20	7	59	36.5	19-19.2	155- 9.2	8.0*	2.1	12	179	5.5	0.12	1.0		0.15	C
20	17	28	34.3	19-17.0	155-16.4	3.7	2.1	23	158	6.0	0.12	0.7	0.8	0.18	C
20	18	29	37.1	19-19.1	155-15.4	6.3	1.6	13	189	3.9	0.13	0.9	0.7	0.14	C
20	18	58	32.4	18-56.5	155-25.8	28.6	2.6	22	237	24.3	0.37	2.0	3.3	0.13	C
21	0	16	14.6	19-19.2	155-14.1	8.0*		11	168	6.0	0.14	1.1		0.17	C
21	0	26	20.6	19-18.3	155-13.6	8.0*	1.2	10	222	7.4	0.23	1.5		0.14	C
21	0	27	56.1	19-18.3	155-13.7	8.0*	1.0	9	222	7.4	0.20	1.4		0.13	C
21	0	41	8.5	19-20.3	155- 7.7	8.0*	1.6	12	162	5.0	0.10	1.0		0.13	C
21	6	27	38.4	19-21.9	155-26.3	7.2	1.6	13	144	6.1	0.16	1.1	0.9	0.15	C
21	7	11	13.2	19-24.3	155-16.3	3.9	0.8	8	125	1.6	0.21	0.8	1.7	0.09	B
21	8	47	6.2	19-20.2	155- 7.7	8.0*	2.0	8	164	5.1	0.17	1.6		0.17	C
21	9	38	17.3	19-18.4	155-15.6	3.7	2.2	13	177	5.4	0.18	1.1	1.4	0.22	C
21	10	9	57.8	19-15.5	155-18.0	7.2	1.5	12	195	4.6	0.15	0.9	0.6	0.13	C
21	10	24	47.9	19-23.2	155-23.7	7.0	1.7	19	114	5.7	0.10	0.8	0.7	0.20	B
21	11	26	20.3	19-22.0	155-25.4?	7.4	1.7	13	131	4.9	0.19	1.1	1.3	0.20	B
21	11	47	40.8	19-23.4	155-27.3?	7.1	2.0	12	260	9.1	0.53	2.4	1.8	0.24	D
21	13	50	13.1	19-19.7	155-11.1	8.0*		11	168	5.0	0.10	0.9		0.11	C
21	17	19	13.0	19-22.0	155-15.3	26.5	1.7	13	118	1.4	0.15	0.8	1.5	0.07	A
21	23	4	11.8	19-18.9	155-13.3	8.0*	1.3	14	176	6.7	0.09	0.6		0.10	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 21	23	39	25.7	20-21.5	155-56.9?	42.3*	2.4	15	335	31.0	0.40	4.1		0.22	D
22	1	22	52.7	19-19.7	155-15.4?	7.8		10	174	3.5	0.28	1.6	2.8	0.19	C
22	2	6	59.4	19-18.4	155-18.9	19.3	1.4	11	138	0.9	0.45	1.8	3.7	0.09	B
22	5	55	35.8	19-19.0	155-13.6	8.0*	1.5	16	150	6.5	0.09	0.8		0.15	C
22	6	45	49.2	19-19.5	155-15.4	5.9	1.4	14	166	3.6	0.11	0.8	0.7	0.13	C
22	7	30	10.9	19-20.8	155-14.4	7.0	1.3	10	191	4.0	0.21	1.1	0.9	0.13	C
22	9	48	51.7	19-20.0	155-13.8	5.8	1.6	20	156	4.9	0.11	0.8	0.7	0.21	C
22	16	28	52.4	19-20.7	155-19.1	5.2	1.5	9	165	3.2	0.06	0.4	0.4	0.04	B
22	17	16	15.2	19-24.4	155-25.4	3.8	1.6	18	107	8.6	0.09	0.6	1.0	0.18	B
22	19	38	31.6	19-25.3	155-40.3	6.1		9	242	10.5	0.44	2.9	1.2	0.09	D
22	20	29	28.5	19-36.1	155-50.8	37.3*		9	316	28.8	0.36	2.8		0.06	D
23	12	21	43.0	19-23.4	155-26.1	8.0*	1.7	11	151	7.6	0.07	0.6		0.08	C
23	16	34	10.4	19-14.7	155-22.1	0.4*	1.8	11	152	8.6	0.11	0.8		0.15	C
23	17	40	16.5	19-26.3	155-45.4	4.5	1.9	11	295	25.5	1.07	4.8	2.7	0.10	D
23	20	23	2.6	19-24.1	155-16.2	2.0	0.8	7	99	1.9	0.06	0.4	0.2	0.05	B
23	21	30	1.8	19-44.9	156-10.3	0.2	2.7	15	270	35.6	0.33	3.6	1.2	0.12	D
24	1	12	31.5	19-52.7	155-31.2	21.2	2.3	22	208	12.5	0.24	1.4	2.7	0.12	C
24	1	39	7.9	19-16.6	155-22.4	6.1	2.0	18	146	6.8	0.11	0.9	0.8	0.21	C
24	2	7	6.1	19-17.0	155-22.8	5.7	2.2	22	132	6.0	0.09	0.8	0.8	0.24	C
24	3	12	0.2	19-15.1	155-20.5	5.6	2.2	21	155	6.2	0.10	0.7	0.6	0.17	C
24	3	34	4.3	19-11.6	155-18.7	30.4	2.4	16	199	11.7	0.21	1.2	2.3	0.10	C
24	9	5	38.9	19-16.3	155- 8.6	33.5		11	224	10.9	0.58	2.2	4.7	0.08	C
24	17	18	2.4	19-24.3	155-16.4	1.9	0.6	8	72	1.5	0.16	1.1	0.9	0.20	B
24	18	53	38.6	18-53.5	155- 9.2	8.0*	2.6	21	267	44.1	0.39	2.5		0.12	D
24	19	24	6.4	19-14.6	155-28.0	5.9	1.9	12	110	4.0	0.10	1.0	0.8	0.16	B
24	21	21	11.6	19-24.3	155-25.9	8.0*		14	110	8.9	0.06	0.6		0.12	B
24	22	36	19.2	19-18.6	155- 9.5	3.2		13	184	6.4	0.19	1.2	1.4	0.21	C
25	0	1	43.3	19-14.9	155-20.6?	2.3	2.0	22	155	6.6	0.15	0.9	1.4	0.22	C
25	1	8	16.2	19-16.9	155-16.2	31.8	2.2	21	170	4.7	0.17	1.0	1.6	0.12	C
25	1	20	48.3	19-21.3	155-20.8	8.0*		9	99	4.8	0.11	1.0		0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 25	5	47	24.4	19-19.3	155-11.6	5.4		13	173	6.0	0.18	1.2	1.2	0.21	C
25	6	0	4.7	19-20.1	155- 9.8	8.2	2.8	21	142	3.7	0.09	0.6	0.5	0.13	B
25	8	52	53.0	19-17.7	155-13.9	8.0*		11	232	7.6	0.24	1.6		0.15	D
25	10	28	28.6	19-19.0	155-13.8	7.3	2.7	21	146	6.6	0.10	0.8	0.6	0.15	C
25	10	34	10.5	19-18.1	155-12.8	8.0*	1.6	8	234	8.1	0.30	1.9		0.11	D
25	10	34	28.4	19-19.6	155-13.6	8.0*	1.8	17	145	5.6	0.06	0.5		0.10	C
25	13	47	58.1	19-22.4	155-24.4	4.2	2.0	23	75	4.5	0.09	0.6	0.9	0.22	B
25	14	44	0.0	19-18.8	155-16.8	6.6	1.3	10	183	2.7	0.17	1.1	0.8	0.15	C
25	15	49	27.7	19-21.8	155-18.7	4.6		10	84	3.9	0.12	0.4	1.3	0.07	A
25	16	2	16.9	19-19.3	155- 8.8	8.0*	1.3	10	178	5.4	0.09	0.7		0.09	C
25	20	34	37.8	19-24.3	155-24.5	8.0*	1.3	13	208	7.9	0.20	1.3		0.15	C
25	21	40	23.2	19-19.7	155-13.9	8.0*	1.2	12	160	5.5	0.09	0.7		0.11	C
25	23	23	43.6	19-23.2	155-26.2	8.0*	1.4	9	152	7.5	0.09	0.7		0.09	C
26	1	51	31.2	19-19.9	155-14.0	8.0*	1.5	17	142	5.2	0.07	0.6		0.13	C
26	2	15	18.4	19-18.1	155-14.4	8.0*		11	219	6.4	0.22	1.4		0.16	C
26	2	16	19.7	19-17.7	155-13.9	8.0*	1.1	9	232	7.5	0.28	1.8		0.12	D
26	5	44	46.7	19-19.7	155-11.9?	7.6	1.6	11	216	5.2	0.19	1.1	0.7	0.11	C
26	6	54	16.3	19-19.3	155-12.0	8.0*	1.5	10	221	5.9	0.20	1.3		0.10	C
26	19	28	45.6	19-16.4	155- 3.8	29.7		13	240	6.6	0.61	2.7	5.0	0.09	D
27	0	12	30.6	19-22.0	155-23.9	7.2	2.2	15	96	3.4	0.10	0.9	0.7	0.18	B
27	1	13	22.9	19-24.7	155-23.0	8.0*		11	106	6.0	0.06	0.5		0.10	B
27	2	41	28.5	19-24.4	155-17.3	1.0	0.7	7	78	1.0	0.12	0.6	0.8	0.14	B
27	2	51	55.9	19-24.6	155-17.0	8.4		10	89	0.5	0.06	0.4	0.5	0.06	A
27	2	53	28.7	19-24.6	155-16.9	8.7	1.4	13	72	0.6	0.05	0.4	0.5	0.06	A
27	4	1	28.1	19-26.9	154-51.9	8.5		15	271	4.5	0.37	2.6	1.1	0.14	D
27	4	49	6.0	19-27.3	154-52.2	8.8		14	269	3.6	0.35	2.6	1.1	0.15	D
27	5	21	24.1	19-18.1	155- 7.7?	0.0	2.0	14	195	8.2	0.76	2.3	1.6	0.31	D
27	5	24	23.3	19-20.3	155- 7.4	4.0		13	163	5.5	0.16	1.6	1.5	0.20	C
27	10	57	7.8	19-19.0	155-13.9	1.7	1.5	16	205	6.4	0.54	1.0	2.2	0.21	C
27	15	1	21.3	19-25.7	155-24.3?	9.4	1.8	21	85	7.3	0.07	0.6	0.8	0.12	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 27	18	19	41.7	19-18.6	155-24.5	5.3	1.6	12	130	3.6	0.10	1.0	0.9	0.17	B
27	19	11	38.9	19-24.4	155-16.9	8.5	1.3	14	56	1.0	0.05	0.4	0.6	0.07	A
27	19	26	40.0	19-24.6	155-16.6	8.8		13	93	0.9	0.07	0.5	0.7	0.07	A
27	19	29	58.1	19-19.4	155-12.0	8.0*	1.7	13	172	5.8	0.11	0.9		0.14	C
27	19	41	37.4	19-20.1	155-13.7	6.0	1.3	11	171	4.8	0.10	0.8	0.7	0.13	C
27	20	35	47.6	19-21.4	155-25.7	8.0*	1.6	15	71	4.8	0.07	0.7		0.15	B
28	1	55	58.0	19-23.6	155-16.8	16.9		16	71	2.4	0.06	0.4	0.7	0.07	A
28	8	14	7.9	19-18.7	155-16.0	9.2	1.2	11	191	3.4	0.24	1.6	2.5	0.17	C
28	10	9	55.3	19-24.5	155-16.8	0.6	0.5	8	74	0.8	0.11	0.3	0.2	0.08	A
28	10	40	24.0	19-20.6	155- 6.8	8.0*	1.9	12	156	6.0	0.10	1.1		0.15	C
28	12	19	54.8	19-19.9	155- 8.1	8.7	1.8	14	169	5.0	0.13	1.0	2.3	0.10	C
28	14	29	51.6	19-21.5	155-15.5	25.4	1.3	12	121	1.7	0.17	0.9	1.8	0.09	B
28	21	6	46.1	19-22.5	155-24.1?	5.5		10	205	4.5	0.37	2.1	3.8	0.13	C
28	22	33	45.6	19-18.0	155-13.2	8.0*	1.5	10	231	8.2	0.29	1.9		0.16	D
28	22	38	3.2	19-18.9	155-13.9	8.0*	1.1	11	208	6.6	0.19	1.3		0.15	C
29	1	33	11.7	19-24.5	155-24.4	8.0*	1.3	14	176	8.2	0.08	0.6		0.10	C
29	3	49	31.3	19-21.1	155- 6.9	3.9	1.8	16	146	5.4	0.13	1.1	1.2	0.20	C
29	7	33	40.6	19-20.3	155- 7.1	8.0*	1.1	9	163	5.9	0.11	1.1		0.12	C
29	13	8	1.1	19-19.1	155-11.5	8.0*	1.6	12	175	6.1	0.10	0.8		0.10	C
29	14	53	25.6	19-16.4	155-49.7	5.8	2.4	19	207	22.3	0.37	1.6	1.6	0.18	C
29	15	30	50.7	19-20.6	155-13.7	8.4	1.2	11	137	3.9	0.13	1.2	2.3	0.18	B
29	21	37	31.9	18-59.5	155-17.4	31.3	2.8	27	230	26.1	0.35	1.9	3.1	0.16	C
30	6	36	57.6	19-26.0	155-20.4?	3.0	1.0	14	97	3.0	0.23	0.8	0.9	0.23	B
30	6	40	56.2	19-10.5	155-30.1?	5.2	1.9	17	124	4.3	0.15	1.1	0.9	0.18	B
30	7	52	13.1	19-18.9	155-11.6	1.4	2.7	22	156	6.6	0.40	0.8	1.5	0.26	C
30	17	12	23.5	19-22.3	155-22.4	5.4	1.5	12	152	4.1	0.17	1.0	1.1	0.19	C
30	20	31	16.7	19-24.2	155-16.7	13.3	1.9	18	56	1.4	0.05	0.6	0.5	0.09	B
31	2	34	33.3	19-18.9	155-13.3	8.0*	1.7	13	213	6.6	0.13	0.8		0.10	C
31	5	10	13.5	19-19.8	155-16.3	5.3	1.6	17	141	1.9	0.11	0.8	0.8	0.16	C
31	7	15	9.2	19-24.5	155-17.4?	1.4	0.2	8	98	1.0	0.04	0.2	0.3	0.05	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
OCT 31	8	7	57.5	19-23.8	155-15.5?	1.0	0.9	9	77	2.6	0.09	0.4	0.6	0.11	B
31	8	25	18.6	19-24.1	155-16.1	1.8	0.6	7	104	2.1	0.06	0.3	0.3	0.06	B
31	16	20	28.5	19-23.6	155-24.0?	7.9	2.4	21	81	6.4	0.07	0.6	0.5	0.15	B
31	20	36	35.4	19-19.7	155-14.1	8.0*	1.6	19	143	5.7	0.07	0.6		0.13	C
31	23	45	8.6	19-21.1	155- 5.3?	7.7		10	138	4.7	0.06	0.5	0.4	0.07	B
NOV 1	5	43	19.1	19-20.9	155-18.8	26.5	2.4	25	56	2.8	0.14	0.8	1.4	0.14	B
1	6	27	33.9	19-18.5	155-12.8	8.0*	1.7	8	227	7.4	0.31	2.1		0.14	D
1	8	16	17.4	19-21.2	155-45.0	5.1	1.5	14	225	21.8	0.26	1.3	1.2	0.11	C
1	11	58	46.6	19-59.2	155-44.7	9.1	2.2	20	176	16.0	0.10	1.0	1.6	0.11	C
1	16	42	57.2	19-20.4	155-18.7?	7.1	0.6	9	89	2.4	0.10	0.8	0.6	0.12	B
1	17	35	5.9	19-20.2	155-18.9	23.3	1.7	15	80	2.7	0.20	1.2	2.0	0.13	B
1	18	11	1.4	19-21.5	155-13.5	29.6	2.1	18	135	2.4	0.17	1.0	1.6	0.11	B
1	20	25	7.7	19-21.6	155-15.1?	5.7	1.0	12	124	2.0	0.12	1.0	0.9	0.17	B
1	23	10	18.6	19-19.4	155-15.5	6.5	1.5	14	180	3.5	0.12	0.8	0.7	0.12	C
2	1	19	30.1	19-21.7	155-22.8	7.7	1.5	15	90	2.8	0.06	0.7	0.5	0.15	B
2	3	26	47.2	20-14.2	155- 5.8	20.6*	2.5	19	293	46.2	0.31	2.1		0.14	D
2	4	26	32.9	18-58.4	155-20.2	12.8*	2.4	17	235	24.6	0.30	2.2		0.16	D
2	4	32	52.9	18-53.1	155-17.1	8.0*	2.6	11	280	35.7	0.22	1.4		0.05	D
2	4	37	7.2	18-53.1	155-17.7	6.3	2.4	14	257	35.1	1.26	2.6	8.3	0.11	D
2	5	26	33.2	18-56.3	155-20.4	10.5	2.2	11	267	27.7	0.24	1.4	1.3	0.07	C
2	17	36	17.3	18-49.4	155-15.8	2.1*		11	300	42.7	0.91	5.6		0.11	D
2	19	16	21.7	19-19.7	155-10.7?	7.9		11	238	4.7	0.20	1.3	0.5	0.09	C
2	19	47	27.7	19-21.8	155-23.1	8.6		14	59	2.9	0.05	0.5	1.1	0.08	A
2	21	46	13.4	18-53.8	155-17.3	10.4		10	278	34.4	0.99	4.8	3.9	0.09	D
2	21	47	15.2	19-24.2	155-25.6	7.3	1.7	21	58	8.3	0.07	0.5	0.5	0.16	B
2	21	55	49.8	18-59.0	155-19.2?	7.4	2.3	19	245	24.7	0.61	5.0	20.8	0.26	D
3	5	12	31.5	19-19.0	155-15.3	5.9	1.3	16	193	4.3	0.13	0.9	0.6	0.15	C
3	5	15	1.6	19-19.7	155-11.4	5.2	1.7	19	168	5.3	0.13	0.9	0.8	0.21	C
3	6	31	19.1	19-20.3	155-13.4	6.3		12	183	4.3	0.19	1.2	1.0	0.16	C
3	11	22	55.4	19-19.3	155-10.0	8.0*		13	176	5.2	0.13	1.0		0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 3	11	58	30.4	19-20.9	155- 6.6	3.9	1.8	18	134	6.0	0.11	0.9	1.0	0.21	C
3	16	17	51.2	19-24.2	155-16.1	11.4	1.4	18	88	2.1	0.04	0.5	0.4	0.10	A
3	16	53	46.6	19-22.6	155-25.3	8.0*	1.3	12	94	5.6	0.08	0.7		0.14	B
3	17	1	2.8	18-55.8	155-19.4?	11.4	2.5	10	260	29.3	0.99	5.1	4.3	0.16	D
3	19	38	44.3	19-13.1	155-27.1	13.8*	1.8	8	160	17.4	0.21	3.0		0.26	C
3	21	17	37.8	19-23.0	155-23.5	7.9	1.3	22	53	5.3	0.07	0.6	0.5	0.18	B
4	3	21	9.3	19-18.5	155-12.8	8.0*	1.6	8	227	7.4	0.28	1.9		0.13	D
4	4	40	25.1	19-21.1	155- 7.2	7.9	2.4	20	133	4.9	0.07	0.6	0.4	0.11	B
4	20	53	12.1	19-22.1	155-23.6	9.4	0.5	11	121	3.5	0.09	0.6	1.6	0.10	B
4	22	48	7.0	19-22.6	155-22.6	2.1*	1.3	11	114	4.5	0.08	0.5		0.13	B
4	22	50	38.6	19-22.4	155-23.1?	9.2	1.4	13	118	4.1	0.20	1.5	2.8	0.27	B
5	3	41	30.3	19-22.7	155-26.8	0.9	1.5	14	154	7.7	2.58	1.1	9.7	0.21	C
5	7	45	22.1	19-23.7	155-17.4	13.4	1.6	18	68	1.1	0.03	0.4	0.3	0.09	A
5	9	30	27.8	19-11.1	155-16.3	41.2	1.9	17	187	10.3	0.26	1.1	2.3	0.09	C
5	12	17	19.8	19- 3.1	155-23.5	30.8	2.3	20	220	14.1	0.33	1.8	3.0	0.14	C
5	12	24	38.4	19-20.7	155-15.9	31.2		21	129	2.8	0.12	0.7	1.2	0.10	B
5	12	25	50.1	19-18.4	155-15.5	6.4		17	150	4.6	0.08	0.6	0.6	0.12	B
5	20	13	31.3	19-22.8	155- 3.7	1.5	1.9	23	108	5.6	0.37	0.7	1.3	0.20	B
5	22	41	58.5	18-57.2	155-18.4	42.3		13	252	28.1	0.81	3.8	7.2	0.15	D
6	1	17	9.3	18-48.2	155-13.1	8.0*		18	276	47.1	0.59	3.8		0.14	D
6	1	20	58.5	19-24.5	155-17.2	1.0	0.7	9	64	0.8	0.07	0.4	0.6	0.12	B
6	2	8	28.4	19-22.9	155-26.4	4.5	2.1	21	78	7.4	0.10	0.8	1.2	0.26	B
6	4	19	35.0	19-21.1	155- 7.3	3.7		13	148	4.8	0.13	1.0	1.0	0.18	B
6	7	12	16.5	19-22.1	155- 2.7	4.8	2.0	20	134	4.1	0.15	1.1	0.9	0.24	C
6	9	10	11.4	19-12.6	155-27.3	6.9	2.7	24	118	5.7	0.08	0.7	0.5	0.16	B
6	10	28	22.6	19-29.9	155-41.3?	7.6	2.3	21	145	9.3	0.07	0.6	0.8	0.11	B
6	14	33	49.7	19-17.3	155-22.4	4.7		17	132	5.6	0.07	0.6	0.7	0.15	B
6	14	52	21.5	19-19.5	155-13.4	7.4	2.8	21	146	5.6	0.08	0.6	0.5	0.14	C
6	16	22	9.7	19-16.8	155-21.6	5.7	2.0	19	139	7.0	0.09	0.8	0.7	0.18	C
7	4	8	8.3	19-23.9	155-16.4	12.3	2.0	22	51	1.4	0.05	0.5	0.4	0.11	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 7	4	24	14.7	19-22.9	155- 5.6?	3.4	1.7	17	127	7.2	0.12	0.8	0.9	0.15	C
7	4	54	40.1	19-19.8	155-12.1	5.8		14	211	5.1	0.19	1.1	0.8	0.16	C
7	4	55	8.1	19-20.0	155- 9.8	8.3		11	165	3.8	0.15	1.3	2.4	0.12	C
7	7	37	28.2	19-25.6	155-28.0	7.3	1.7	20	111	11.3	0.11	0.7	0.7	0.15	B
7	9	1	27.1	19-20.8	155-18.9	4.5		9	86	2.9	0.10	0.3	1.3	0.05	A
7	13	24	57.2	19-20.9	155-25.3	5.2	0.9	9	130	3.7	0.15	0.8	2.4	0.11	B
7	19	52	46.2	19-24.9	155-17.2	9.1	1.5	11	105	0.4	0.25	1.5	2.0	0.18	B
8	1	42	11.0	19-21.9	155-24.3	8.0*	1.6	6	241	8.7	0.35	2.2		0.10	D
8	10	53	13.7	19-26.8	155-29.4	7.3	2.2	24	69	12.1	0.12	0.7	1.0	0.19	B
8	19	23	40.1	19-18.3	155-16.4	6.5	2.0	22	146	3.7	0.07	0.6	0.5	0.15	B
8	21	5	32.1	19-20.3	155-11.6	6.4	1.6	13	209	4.5	0.15	1.1	0.6	0.15	C
8	22	35	8.4	19-22.4	154-57.9	24.5		12	292	17.7	0.89	4.9	4.9	0.09	D
9	1	39	4.5	19-10.4	155-30.3	36.4		14	106	4.6	0.29	1.3	2.8	0.10	B
9	2	14	24.9	19-21.9	155-25.9	3.2	1.5	12	121	5.7	0.10	0.7	1.4	0.14	B
9	3	45	41.7	19-21.7	155-26.4	3.5	1.7	15	74	6.0	0.08	0.6	1.0	0.15	B
9	5	29	36.4	19-19.6	155-15.5	5.8		15	196	3.4	0.15	1.0	0.5	0.14	C
9	7	3	19.3	19-22.0	155-25.7	3.2	2.1	21	70	10.5	0.10	0.7	0.9	0.21	B
9	7	58	34.1	19-21.7	155-26.9?	0.0	1.8	12	76	6.8	7.61	0.8	14.5	0.19	B
9	17	28	2.7	19-19.1	155-13.8	8.0*		11	204	6.5	0.17	1.2		0.15	C
9	17	37	3.9	19-19.4	155- 9.1	4.2		15	176	5.1	0.20	1.3	1.5	0.24	C
9	18	30	6.6	19-21.7	155- 1.6	6.5	2.4	19	168	4.1	0.21	1.5	1.0	0.27	C
9	23	26	15.6	19-21.5	155-16.6	31.2	2.2	23	111	2.1	0.19	1.1	1.8	0.15	B
10	1	20	11.4	19-23.7	155-22.6	8.0*	1.5	17	60	5.1	0.04	0.4		0.11	B
10	2	12	20.5	19-26.1	155-24.7	5.5	2.0	18	94	7.2	0.08	0.6	0.7	0.16	B
10	3	12	24.8	19-24.9	155-16.9	1.2	1.1	8	115	0.2	0.07	0.4	0.3	0.09	A
10	3	43	36.0	19-23.6	155-17.0	12.1		16	63	2.4	0.05	0.5	0.5	0.09	A
10	7	7	47.4	20- 3.2	155-38.6?	0.0	2.4	26	180	16.5	0.54	2.0	1.0	0.25	C
10	9	13	44.5	19-20.6	155-29.6	4.8	2.5	22	85	11.1	0.18	1.3	1.3	0.30	B
10	15	20	21.1	19-20.1	155- 7.3	8.0*		13	166	5.7	0.13	1.2		0.16	C
11	1	53	38.7	19-23.1	155-24.6	7.2	1.8	20	85	5.8	0.08	0.6	0.5	0.15	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 11	2	57	57.6	19-23.4	155-29.9?	4.8	2.0	19	116	13.0	0.17	1.2	3.8	0.21	B
11	5	48	48.6	19-48.9	155-22.1	24.3	2.0	18	129	8.8	0.38	1.7	3.9	0.10	B
11	18	2	22.7	19-22.3	155-24.4	8.5	1.4	14	84	4.3	0.07	0.6	1.7	0.11	B
11	20	19	10.6	19-17.9	155-13.9	8.0*	1.3	11	228	7.4	0.22	1.3		0.11	D
11	21	3	59.4	19-22.4	155-23.2?	8.1	2.5	24	63	4.1	0.07	0.6	0.5	0.17	B
12	0	3	26.2	19-20.5	155-12.3	8.9	1.4	13	153	3.6	0.10	0.7	1.4	0.09	C
12	3	25	38.6	19-20.7	155-28.2?	7.9	1.9	14	151	8.3	0.12	0.8	0.7	0.12	C
12	7	26	52.5	19-22.3	155-15.9	36.0	1.9	12	120	0.2	0.34	1.5	3.0	0.09	B
12	8	51	49.3	19-25.8	155-27.1	8.0*		11	109	9.9	0.03	0.3		0.05	B
12	10	32	24.4	19-23.5	155-23.8	8.0*	1.6	10	128	6.2	0.09	0.7		0.12	C
12	15	46	25.6	19-19.6	155-14.6	8.0*	1.5	8	186	5.0	0.14	1.0		0.10	C
12	16	52	11.8	19-19.3	155-13.7	8.0*	1.6	13	201	6.1	0.12	0.8		0.10	C
13	0	12	25.7	19-14.6	155-22.0	8.9	1.9	16	170	8.6	0.08	0.8	1.8	0.13	C
13	1	53	44.3	19-20.1	155-12.0	7.0	3.0	20	144	4.6	0.10	0.8	0.6	0.17	C
13	4	2	32.4	19-22.5	155-26.6	8.0*	1.4	10	152	7.3	0.10	0.8		0.12	C
13	4	49	13.7	19-20.0	155-13.7?	8.0	1.8	18	155	4.8	0.08	0.6	0.4	0.12	C
13	7	59	37.7	19-50.9	155-32.2	25.6		16	248	11.1	0.33	1.8	2.8	0.08	C
13	17	33	29.5	20- 7.5	155-18.9?	45.6	2.3	13	317	26.2	0.65	4.7	7.8	0.24	D
13	20	45	26.2	19-19.6	155-13.9	8.0*	1.5	16	162	5.7	0.08	0.6		0.11	C
13	23	4	12.7	19-18.6	155-21.9?	6.6	1.7	16	111	3.8	0.07	0.6	0.7	0.13	B
13	23	52	17.5	19-20.6	155-12.4	9.7	1.2	14	153	3.6	0.12	0.8	1.4	0.10	C
14	1	6	19.9	19-19.6	155-11.0	8.0*		14	169	5.0	0.07	0.6		0.09	C
14	8	14	43.5	19-22.5	155- 3.6?	8.0*	2.1	9	167	5.0	0.30	2.2		0.28	C
14	10	0	14.2	19-23.3	155-25.6	7.9	1.9	19	82	7.1	0.11	0.7	0.7	0.15	B
14	12	25	41.5	19-22.5	155- 6.1?	3.6	1.8	15	123	6.5	0.12	0.9	0.8	0.16	B
14	12	27	11.3	19-20.4	155- 6.9	7.7	3.5	22	138	5.8	0.08	0.6	0.5	0.13	B
14	12	39	38.4	19-20.2	155- 6.9	8.0*		6	163	6.1	0.18	1.8		0.14	C
14	13	39	10.1	19-22.0	155-23.4	9.0	1.7	14	64	3.4	0.08	0.6	1.5	0.11	B
14	14	17	42.9	19-19.9	155-13.5	27.9	2.2	22	140	5.0	0.17	1.0	1.8	0.14	B
14	16	4	13.8	19-20.4	155- 7.1	8.0*		13	159	5.7	0.10	0.9		0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 14	16	19	37.5	19-21.6	155- 0.3?	10.1	2.3	13	256	5.6	0.64	5.2	2.2	0.29	D
14	17	17	16.1	19-20.3	155- 7.9	9.5		11	162	4.6	0.10	0.7	1.4	0.07	B
14	19	43	24.5	19-22.0	155-18.4	1.5	1.1	10	74	3.5	0.07	0.3	0.3	0.09	A
14	21	11	9.1	19-20.2	155- 7.1	8.0*		13	164	5.8	0.06	0.6		0.08	C
15	1	29	14.8	19-48.1	155-18.0	11.8*		9	337	35.0	0.25	2.5		0.07	D
15	2	24	1.9	19-21.2	155-23.3?	7.3		9	181	1.8	0.55	2.8	4.4	0.13	C
15	2	52	10.3	19-19.5	155-11.5	8.0		12	225	5.7	0.18	1.2	0.5	0.09	C
15	2	59	39.3	19-18.9	155- 9.3	3.5	1.8	15	182	6.1	0.17	1.1	1.2	0.19	C
15	4	55	28.1	19-21.0	155- 5.5	3.1	1.9	18	144	5.0	0.14	1.1	1.1	0.21	C
15	5	33	32.1	18-50.6	155-26.1	14.4*		18	284	28.7	0.25	1.8		0.13	D
15	5	36	58.3	19-19.0	155-13.4	8.0*		10	246	6.5	0.26	1.6		0.10	D
15	6	55	20.7	19-22.9	155-23.1	8.0*		13	173	5.0	0.14	1.0		0.16	C
15	10	31	31.2	19-19.1	155-14.8	10.3		10	195	4.9	0.24	1.3	2.2	0.11	C
15	15	50	44.7	19-20.8	155-19.3	2.4*		9	95	3.6	0.04	0.3		0.07	B
15	16	11	17.7	19-22.0	155-24.2	7.8		8	213	3.6	0.18	1.3	0.7	0.09	C
15	17	58	6.9	19-14.4	154-54.2?	2.7*	2.5	11	346	30.8	1.87	13.5		0.41	D
15	18	25	39.0	19-20.5	155-19.6	2.1*		9	105	3.9	0.04	0.3		0.06	B
15	19	33	11.1	19-16.2	155-12.3?	0.0	2.2	19	216	11.5	0.52	1.2	0.9	0.21	C
15	20	40	31.0	19-24.1	155-16.0	3.2	1.7	15	61	2.0	0.05	0.4	0.7	0.10	B
15	22	8	43.9	19-22.3	155-24.3?	6.9		9	212	4.3	0.38	1.9	3.6	0.13	C
15	22	29	13.4	19-24.3	155-23.6	8.0*		12	187	6.9	0.11	0.7		0.10	C
15	22	40	6.2	19-19.2	155-13.1	8.0*		11	208	6.0	0.11	0.7		0.08	C
15	22	52	13.5	19-22.5	155-47.4?	10.7	2.4	23	156	21.2	0.12	1.0	1.7	0.18	C
16	0	7	41.9	19-16.6	155-21.5	8.0*		14	159	5.6	0.12	1.0		0.18	C
16	0	24	20.9	19-17.3	155-22.3	5.4		17	134	5.6	0.08	0.8	0.9	0.18	B
16	0	27	30.3	19-16.5	155-21.6	5.1	2.7	23	141	5.8	0.10	0.8	0.8	0.21	C
16	0	33	45.8	19-16.3	155-22.3	8.0*		9	208	7.1	0.14	1.0		0.09	C
16	0	46	2.0	19-16.4	155-21.6	8.0*	1.8	17	158	5.9	0.09	0.8		0.16	C
16	0	57	48.0	19-17.2	155-22.5?	4.1		15	135	5.8	0.11	1.0	1.0	0.20	B
16	1	48	41.9	19-16.6	155-21.9	4.1	1.9	19	153	6.2	0.11	0.8	1.3	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 16	1	53	16.9	19-16.3	155-21.7	8.0*		13	205	6.2	0.14	1.1		0.14	C
16	2	3	32.7	19-16.8	155-21.9	8.0*		13	148	6.0	0.11	1.0		0.17	C
16	2	7	11.3	19-16.2	155-21.4	2.0	1.9	21	161	8.2	0.30	0.7	1.1	0.19	C
16	2	12	53.5	19-15.7	155-21.8	8.0*		12	226	7.0	0.20	1.3		0.13	D
16	2	13	26.7	19-16.9	155-21.7?	1.7		13	212	6.7	0.15	0.8	1.9	0.14	C
16	2	16	46.7	19-16.4	155-21.3?	2.1	1.9	22	157	7.8	0.10	0.6	0.8	0.17	C
16	2	26	29.7	19-17.6	155-22.0	8.0*		10	251	5.3	0.51	2.9		0.16	D
16	2	33	2.9	19-16.5	155-21.5	8.0*		14	159	5.7	0.12	1.0		0.18	C
16	2	34	25.6	19-16.4	155-22.3	8.0*		10	204	7.0	0.28	2.0		0.18	C
16	2	37	34.7	19-16.1	155-21.7	8.0*		13	208	6.4	0.15	1.1		0.15	C
16	2	37	59.1	19-16.0	155-21.8	8.0*		11	208	6.6	0.18	1.4		0.16	C
16	2	40	7.3	19-15.9	155-22.3	8.0*		8	288	7.4	1.08	5.7		0.13	D
16	2	41	30.1	19-16.3	155-21.1	8.0*	1.8	19	161	5.3	0.09	0.7		0.15	C
16	2	44	40.0	19-16.9	155-22.5	8.0*	1.7	7	189	6.3	0.04	0.4		0.04	C
16	2	46	43.2	19-16.9	155-21.7	8.0*		14	168	6.8	0.10	1.0		0.14	C
16	2	54	38.0	19-17.2	155-22.7	8.0*		9	179	5.7	0.19	1.4		0.15	C
16	3	52	43.9	19-16.0	155-21.9	8.0*		9	286	6.8	0.96	5.1		0.14	D
16	4	13	35.2	19-15.4	155-21.3	8.0*		13	236	6.7	0.23	1.4		0.18	D
16	4	15	1.3	19-18.9	155-21.3	3.7		8	195	4.4	0.10	0.5	0.7	0.06	B
16	4	20	55.0	19-17.1	155-21.1?	7.6	3.0	23	139	4.6	0.09	0.7	0.6	0.18	B
16	4	22	34.5	19-16.1	155-21.3	1.0	2.0	18	145	8.4	1.69	0.6	6.3	0.15	C
16	4	23	40.2	19-16.0	155-22.2	8.0*		8	214	7.2	0.16	1.2		0.09	C
16	4	24	2.5	19-17.0	155-22.2	2.8	1.7	19	142	6.2	0.10	0.8	1.1	0.20	B
16	4	25	29.5	19-16.8	155-22.5	8.0*		8	192	6.4	0.05	0.4		0.04	C
16	4	25	54.6	19-16.4	155-21.4	4.9	2.7	22	143	7.8	0.09	0.7	0.7	0.18	C
16	4	27	15.7	19-17.1	155-21.9	6.6		14	142	5.9	0.09	0.8	0.6	0.17	B
16	4	27	32.5	19-17.8	155-21.6	3.2		5	154	5.3		0.0		0.03	D
16	4	29	4.7	19-17.2	155-22.7	8.0*		9	179	5.6	0.15	1.1		0.13	C
16	4	31	0.6	19-17.1	155-22.1	8.0*		19	140	6.1	0.11	0.9		0.19	C
16	4	32	42.5	19-17.2	155-22.7	8.0*		9	181	5.7	0.13	1.0		0.11	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 16	4	34	44.5	19-16.9	155-22.3	8.0*		8	191	6.4	0.07	0.6		0.06	C
16	4	36	52.4	19-16.6	155-22.6	8.0*		13	196	6.7	0.21	1.4		0.21	C
16	4	39	33.3	19-17.4	155-22.6	4.3		8	173	5.3	0.15	1.0	1.4	0.11	C
16	4	42	43.6	19-17.4	155-22.4	8.0*		11	175	5.4	0.13	1.0		0.13	C
16	4	44	31.7	19-15.4	155-21.8	8.0*		13	234	7.4	0.17	1.1		0.13	D
16	4	48	26.0	19-17.0	155-22.3	4.4		16	140	6.1	0.12	1.0	1.1	0.21	C
16	4	49	33.3	19-16.7	155-21.8	8.0*		13	152	6.0	0.12	1.0		0.20	C
16	4	52	3.7	19-20.6	155-20.8?	1.1		9	120	4.4	0.56	1.5	21.6	0.22	B
16	5	1	59.4	19-16.4	155-22.4?	8.0*		18	151	7.1	0.14	1.2		0.24	C
16	5	4	3.4	19-16.0	155-21.9	8.0*		13	208	6.8	0.16	1.2		0.15	C
16	5	4	38.2	19-16.5	155-21.8	8.0*		8	274	6.1	0.88	4.8		0.16	D
16	5	26	56.7	19-17.7	155-21.6	6.9	2.5	20	131	5.2	0.09	0.8	0.6	0.21	C
16	5	29	14.4	19-16.6	155-21.5	8.0*		9	271	5.7	0.68	3.8		0.15	D
16	5	29	21.2	19-16.3	155-21.5	2.3	2.0	21	142	7.8	0.12	0.8	1.3	0.22	C
16	5	30	58.4	19-17.3	155-21.4	8.0*		8	253	5.0	0.46	2.7		0.12	D
16	5	55	8.6	19-15.5	155-22.2	8.0*		10	227	7.8	0.24	1.6		0.14	D
16	6	31	9.9	19-22.4	155-23.1?	6.9		12	109	4.0	0.12	1.1	2.0	0.19	B
16	6	35	20.6	19-17.1	155-22.1	8.0*		12	141	6.1	0.07	0.7		0.11	C
16	6	39	33.9	19-15.4	155-22.0	8.0*		13	230	7.5	0.21	1.4		0.12	D
16	7	26	47.3	19-17.3	155-22.4?	2.7	1.7	17	135	5.6	0.13	1.0	1.4	0.22	C
16	7	31	33.8	19-17.3	155-22.2	8.0*		5	261	5.7	0.27	1.6		0.04	D
16	8	22	4.1	19-45.0	155-49.4?	8.9*	2.1	12	280	27.2	0.47	2.9		0.11	D
16	8	44	26.3	19-24.2	155-16.1?	1.3	1.2	9	102	2.1	0.46	0.6	1.7	0.11	B
16	10	8	57.3	19-20.4	155-13.2	2.8	2.0	18	181	3.8	0.18	1.0	1.5	0.25	C
16	15	39	6.6	19-22.4	155-23.6	7.8	1.9	19	81	4.0	0.12	0.8	0.7	0.19	B
16	15	49	59.8	19-20.9	155-12.7	9.5		8	175	2.8	0.15	0.8	1.6	0.05	B
16	17	27	12.6	19-17.6	155-16.4?	9.0	1.7	11	226	4.0	0.28	1.7	2.3	0.14	C
16	17	28	4.3	19-19.9	155- 8.8?	4.5	1.7	15	168	4.4	0.13	1.0	0.9	0.18	C
16	18	41	15.4	19-18.7	155- 9.8	3.9		14	186	6.3	0.19	1.1	1.3	0.21	C
16	22	29	5.5	19-18.0	155- 5.4	8.0*		12	270	10.8	0.60	3.4		0.10	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 16	23	27	33.9	19-21.1	155- 7.6	2.9	2.1	17	148	8.4	0.09	0.6	0.8	0.14	B
17	1	23	12.6	19-21.8	155-18.1?	2.0	1.6	12	161	3.5	0.12	0.9	1.4	0.13	C
17	1	45	6.3	19-22.2	155-18.1	1.7		8	87	3.1	0.07	0.3	0.4	0.08	A
17	3	26	0.3	18-59.3	155-28.4	25.6	2.6	24	284	18.9	0.42	2.8	5.0	0.21	D
17	4	10	12.4	19-15.1	154-55.0	13.5*	2.5	18	243	25.7	0.41	3.1		0.28	D
17	5	42	1.5	19-20.7	155-19.6	3.6		8	101	4.0	0.21	0.6	3.7	0.07	B
17	6	41	27.8	19-22.4	155- 8.2?	8.0	2.3	14	217	2.8	0.16	1.2	0.5	0.12	C
17	7	52	26.3	19-17.3	155-15.2	8.0*		13	234	6.2	0.21	1.3		0.12	D
17	8	1	4.8	19-15.1	155- 8.6	35.2		12	319	17.9	0.25	2.4	1.3	0.07	C
17	9	2	29.0	19-19.6	155- 8.6	5.1		11	174	5.1	0.15	1.1	1.2	0.15	C
17	9	3	0.9	19-24.9	155-17.0	1.9		8	146	0.1	0.11	0.8	0.4	0.13	B
17	19	35	22.0	19-18.9	155-10.1	3.6	1.7	14	181	5.9	0.17	1.1	1.4	0.20	C
17	20	36	11.3	19-24.9	155-23.3	8.0*	1.5	13	89	6.7	0.04	0.3		0.07	B
18	2	25	17.9	19-20.5	155-11.6	9.2	1.8	13	203	4.1	0.10	0.6	0.9	0.07	B
18	5	46	15.6	19-25.2	155-16.3	1.6	0.8	8	118	1.2	0.10	0.6	0.5	0.11	B
18	8	39	50.3	19-20.0	155- 8.8?	4.6	2.2	16	167	4.2	0.13	0.9	0.9	0.15	C
18	10	21	10.4	19-25.3	155-24.4	8.0*	1.9	16	83	7.7	0.06	0.6		0.11	B
18	12	4	53.6	19-59.6	155-20.9	11.6	2.7	18	223	11.4	0.26	1.8	1.7	0.17	C
18	15	39	53.3	19-20.9	155-13.6	8.1	1.5	17	142	3.2	0.09	0.8	0.5	0.15	B
18	16	44	32.4	18-49.0	155-16.1	8.0*	2.6	16	272	43.1	0.44	2.9		0.12	D
18	17	4	45.8	18-51.1	155-14.9?	20.3	2.8	25	260	40.8	0.33	2.6	6.3	0.16	D
18	17	30	35.9	18-51.0	155-16.3	5.3	2.6	15	265	39.8	1.80	3.9	11.2	0.15	D
18	17	37	53.7	18-57.6	155-18.4	12.4*	2.5	17	241	27.5	0.30	2.2		0.15	D
18	17	59	21.1	18-54.4	155-17.1	15.4*	2.8	20	254	33.6	0.25	1.7		0.16	D
18	18	8	50.8	18-54.1	155-15.8	26.7*	3.1	27	251	35.4	0.27	1.9		0.20	D
18	18	54	39.2	19-15.9	155-22.1	0.5	2.1	22	142	8.1	0.45	0.7	0.8	0.18	B
18	19	12	22.4	18-54.9	155-18.3	28.1*	2.6	17	251	31.9	0.34	2.7		0.22	D
18	20	17	58.2	18-51.9	155-16.2	8.2	2.6	18	263	38.4	0.70	3.3	3.5	0.16	D
18	21	6	20.6	18-52.7	155-17.7	1.5*		15	293	35.7	0.67	4.1		0.09	D
19	3	11	55.3	19-21.8	155-28.6	5.4	1.8	16	88	9.8	0.09	0.7	0.9	0.18	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 19	6	1	12.0	19-20.0	155- 8.9	6.4	1.8	14	166	4.1	0.14	1.1	0.8	0.17	C
19	7	52	53.1	19-20.2	155-24.8	6.9	1.7	11	105	2.6	0.10	0.9	0.8	0.14	B
19	9	7	52.9	18-58.2	155-15.9?	7.4		14	242	29.6	0.64	3.3	4.0	0.22	D
19	10	56	36.5	19-24.8	155-24.9	8.0*	1.6	17	101	8.9	0.07	0.6		0.12	B
19	12	44	29.1	18-51.2	155-16.7	0.6	2.5	13	272	39.0	0.51	4.6	1.6	0.15	D
19	14	14	18.7	19-21.3	155-16.8	28.3	2.1	20	123	2.4	0.19	1.1	1.7	0.11	B
19	16	58	12.4	18-52.6	155-17.4	8.0*	2.5	16	293	36.1	0.37	2.3		0.07	D
19	18	45	6.0	19-18.7	155- 8.9	3.0	1.8	14	184	6.4	0.20	1.2	1.6	0.22	C
19	22	4	25.6	18-51.1	155-16.0	1.1*	2.5	17	278	39.8	0.61	3.8		0.13	D
20	1	6	21.8	18-47.8	155-14.4	8.0*	2.5	17	275	46.5	0.53	3.4		0.13	D
20	13	8	23.0	19-24.0	155-15.7	4.2	1.7	13	69	2.5	0.09	0.4	0.9	0.10	B
20	14	45	19.7	19-25.1	155-35.7	4.4	2.5	13	242	7.8	0.21	1.2	0.7	0.09	C
20	17	7	29.0	19-18.1	155-15.0	9.2	1.8	16	210	5.6	0.12	0.9	1.0	0.11	C
20	17	28	5.7	19-20.3	155-28.0?	6.4		14	82	7.6	0.11	1.1	2.8	0.19	B
20	22	53	19.4	19-19.9	155-13.0	10.6		13	218	4.7	0.13	0.7	1.2	0.07	B
21	0	8	53.1	19-22.9	155- 5.6?	3.9		13	127	7.2	0.10	0.8	0.7	0.13	B
21	0	23	24.8	19-26.3	155-25.9	8.0*		14	129	7.9	0.05	0.5		0.09	C
21	0	32	22.7	19-23.0	155- 3.8	2.6		9	163	5.9	0.10	0.6	1.4	0.09	B
21	6	30	24.5	19-19.8	155-15.9	5.9		14	186	2.7	0.13	0.8	0.6	0.13	C
21	8	12	23.9	19-20.5	155- 8.2	9.1		12	171	4.1	0.07	0.6	1.0	0.06	B
21	13	9	53.9	19-24.6	155-16.6	4.5	1.3	11	95	0.9	0.14	0.7	1.2	0.13	B
21	17	23	3.6	19-17.0	155-22.3	8.0*	1.5	18	134	6.1	0.09	0.8		0.17	C
21	17	45	1.5	19-19.6	155-13.6	6.4	1.4	19	144	5.4	0.07	0.5	0.5	0.14	B
21	17	46	12.3	19-18.6	155-13.8	0.7	2.1	21	153	6.8	0.32	0.8	0.6	0.22	C
21	17	56	32.0	19-17.1	155- 2.8	30.0	1.8	17	254	5.2	0.28	1.7	1.7	0.09	C
21	20	43	41.9	19-15.9	155-22.1	2.1	2.4	23	142	8.1	0.26	0.6	0.9	0.17	B
21	21	11	47.1	19-16.1	155-22.5	0.6*	1.3	15	140	7.3	0.09	0.7		0.17	C
21	21	30	50.2	19-16.8	155-23.5	3.1	1.8	16	134	5.7	0.09	0.8	2.0	0.19	B
21	22	17	49.5	19-16.7	155-23.4	3.5	1.7	17	129	5.7	0.10	0.9	1.6	0.22	C
21	23	19	38.8	19-20.6	155- 7.3	4.3	1.7	18	140	5.1	0.12	0.9	1.0	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 22	0	44	7.7	19-21.0	155-13.7	8.6		12	203	3.3	0.30	1.5	2.2	0.10	C
22	4	47	42.1	19-24.3	155-17.2	1.8	0.3	8	91	1.1	0.04	0.3	0.2	0.05	A
22	12	34	28.0	19-21.1	155-54.6?	1.1	1.6	13	209	18.8	0.51	4.5	5.4	0.30	C
22	14	27	36.9	19-14.6	155-28.5	6.6	2.2	12	106	4.6	0.08	0.8	0.6	0.14	B
22	19	37	18.3	19-20.7	155-13.3	7.6	1.5	17	148	3.5	0.08	0.7	0.4	0.14	B
22	23	8	0.3	19-23.2	155-14.9	4.4		11	105	2.3	0.19	0.6	1.6	0.09	B
23	3	6	13.8	19-20.5	155-12.9	9.1	1.4	13	182	3.5	0.21	1.0	1.9	0.09	C
23	4	44	31.6	19-24.0	155-15.6	4.3		9	128	2.6	0.34	1.0	2.6	0.12	B
23	9	16	15.4	19-19.5	155-16.4	8.8	1.2	6	184	2.1	0.27	1.3	2.3	0.05	C
23	9	43	17.0	19-13.8	155- 6.8	38.2	2.7	26	205	13.1	0.17	1.0	1.4	0.10	B
23	17	15	30.4	19-24.2	155-16.1	2.2*		8	99	2.0	0.03	0.3		0.05	B
23	19	57	17.9	19-25.0	155-28.4	7.6	1.8	20	185	12.5	0.12	0.8	0.6	0.13	C
23	20	18	9.6	19-20.0	155-25.1	10.8	1.8	12	124	3.2	0.10	0.7	1.4	0.10	B
24	4	48	52.9	19-24.1	155-16.0	1.8	0.7	8	104	2.2	0.10	0.6	0.4	0.10	A
24	8	38	0.8	19-23.2	155-24.7	8.0*	1.8	17	136	6.1	0.08	0.6		0.12	C
24	11	47	30.9	19-19.6	155-14.4	8.0*	1.6	16	158	5.3	0.07	0.6		0.12	C
24	16	52	57.0	19-20.0	155- 7.9	8.7		16	168	5.2	0.08	0.7	1.5	0.08	C
24	16	53	41.0	19-19.9	155- 8.3	7.7		15	169	4.9	0.11	1.0	0.6	0.14	C
24	22	9	23.6	19-22.8	155- 1.0	8.0*	1.9	14	162	6.4	0.19	1.5		0.22	C
24	23	1	7.8	19-24.3	155-16.1	1.9	0.9	9	98	1.9	0.06	0.4	0.4	0.08	A
25	1	7	17.4	19-20.3	155-12.9	9.4	1.0	11	189	4.0	0.24	1.2	2.2	0.10	C
25	5	17	46.8	19-24.9	155-23.5	8.0*	1.5	13	162	7.0	0.08	0.6		0.09	C
25	6	8	30.9	19-24.2	155-16.1	2.0		8	100	2.0	0.05	0.3	0.2	0.05	A
25	7	48	41.6	19-24.2	155-15.9	3.0	0.7	6	110	2.4	0.10	0.3	1.2	0.02	B
25	9	24	51.6	19-23.4	155-30.2	6.7	1.9	15	188	13.5	0.19	1.1	0.9	0.17	C
25	10	51	21.3	19-20.6	155-19.6	3.1	1.4	10	105	4.0	0.15	0.5	4.4	0.07	B
25	11	9	28.8	19-24.7	155-16.6	1.1	0.5	9	100	0.7	0.06	0.3	0.3	0.10	A
25	14	30	5.5	19-21.0	155- 8.3	7.5	2.1	20	135	3.3	0.08	0.7	0.5	0.14	B
25	17	16	10.9	19-23.3	155-14.8	2.1*		7	104	2.5	0.03	0.2		0.04	C
25	18	8	1.8	20- 1.9	155-22.0	10.0	2.9	17	227	15.9	0.26	1.7	1.3	0.12	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 25	20	46	15.0	19- 9.3	155-20.9	27.6	2.6	22	182	12.3	0.16	1.1	2.2	0.12	C
25	20	53	45.8	19-24.2	155-16.0?	2.8	0.7	6	163	2.2	0.14	0.6	1.1	0.09	C
25	22	6	33.8	19-21.8	155- 8.9	7.9	2.0	17	172	1.6	0.10	0.9	0.5	0.12	C
26	0	7	25.9	19-21.7	155-18.7	11.5	0.8	8	84	3.7	0.19	1.7	1.6	0.13	B
26	0	22	37.1	19-23.2	155-24.5	8.0*	1.2	14	173	6.0	0.09	0.6		0.10	C
26	0	28	56.6	19-19.0	155-15.0	5.0	1.3	12	195	4.7	0.19	1.2	1.1	0.18	C
26	1	34	46.1	19-20.3	155-12.9	9.5	1.5	13	155	4.0	0.12	0.8	1.5	0.09	C
26	11	51	45.0	19-37.3	155-50.6	14.7	2.7	21	148	7.4	0.16	1.1	2.9	0.16	B
26	12	58	33.1	19-20.7	155-13.1	8.1	2.4	19	147	3.3	0.06	0.5	0.3	0.11	B
26	14	12	56.9	19-20.3	155-11.8	6.7	3.0	19	142	4.3	0.08	0.7	0.5	0.15	B
26	14	37	28.2	19-19.3	155-15.2	6.1	1.5	12	186	4.2	0.15	0.9	0.8	0.15	C
26	17	17	18.3	19-23.4	155-16.3	15.0	2.2	24	54	1.1	0.06	0.5	0.7	0.11	B
26	18	7	10.9	19-23.9	155-16.6	18.2	1.3	16	51	2.0	0.11	0.9	1.2	0.11	B
26	19	3	37.9	19-48.8	155-22.5	27.7	2.0	18	135	9.1	0.22	1.0	2.1	0.09	B
26	19	43	15.9	19-23.8	155-16.2	16.7	1.8	14	94	2.5	0.07	0.5	0.7	0.06	A
26	21	32	47.5	19-24.3	155-14.8?	8.2	0.9	12	85	1.0	0.10	0.8	0.6	0.13	B
26	21	38	13.5	19-24.1	155-16.1	2.0		8	101	2.0	0.08	0.5	0.3	0.07	A
26	23	3	1.5	19-24.0	155-15.6	3.2	1.6	13	70	2.6	0.09	0.4	1.2	0.10	B
27	0	12	36.5	19-20.2	155-49.0?	2.6	2.2	12	270	23.0	1.67	3.1	9.4	0.10	D
27	0	27	37.9	19-20.3	155-11.7	9.0	1.3	9	204	4.2	0.18	0.9	1.8	0.06	B
27	12	12	5.2	19-25.4	155-24.6	8.0*	1.8	13	83	8.4	0.05	0.5		0.11	B
27	14	52	15.9	19-23.3	155-16.1	16.6	2.1	21	67	1.5	0.07	0.6	0.9	0.12	B
27	21	27	22.3	19-17.9	155-12.7	3.7	2.2	19	193	8.4	0.20	1.1	1.1	0.23	C
28	0	4	24.3	19-16.6	155-12.0	8.0*		10	261	10.8	0.45	2.5		0.15	D
28	3	17	58.0	19-30.3	155-17.5	24.4		12	233	7.5	0.25	1.3	1.9	0.06	C
28	3	28	54.6	19-16.6	155-19.4	1.9	1.8	19	166	9.6	0.36	0.6	1.3	0.11	C
28	6	17	56.2	19-14.4	155-16.5	13.4*		9	231	16.0	0.20	1.5		0.09	D
28	6	19	7.8	19-19.0	155-15.5	11.8		8	191	3.9	0.17	0.7	1.4	0.05	B
28	6	22	16.0	19-21.3	155-25.2	4.1	2.1	20	74	9.3	0.10	0.9	1.3	0.28	B
28	6	49	39.7	19-20.8	155-24.7?	8.8	1.8	18	87	2.7	0.06	0.6	0.5	0.15	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 28	8	39	40.1	19-22.9	155-27.3	8.0*	1.8	12	160	8.6	0.11	0.8		0.12	C
28	9	42	48.7	19-19.4	155-11.8	8.0*	1.9	9	222	5.8	0.15	1.0		0.06	C
28	14	44	32.8	19-24.3	155-16.2	1.9	0.9	11	72	1.8	0.06	0.3	0.3	0.09	A
28	16	13	6.4	19-19.6	155-14.1	8.0*	1.4	13	191	5.8	0.13	0.9		0.13	C
28	19	25	27.6	19-23.2	155-14.9	4.4	1.1	13	104	2.3	0.09	0.4	0.9	0.08	A
28	20	10	54.0	19-23.4	155-29.8	7.8	1.7	15	185	16.4	0.14	1.2	1.0	0.14	C
28	20	57	27.3	19-23.2	155-14.7	3.6	0.8	8	108	2.6	0.07	0.2	0.7	0.03	A
28	22	41	19.3	19-21.0	155- 5.8	5.5	3.1	19	130	5.4	0.10	0.7	0.6	0.15	B
29	1	35	28.9	19- 2.6	155- 8.2	23.3	1.9	20	235	33.2	0.31	2.4	8.0	0.15	D
29	6	53	39.4	19-20.9	155-10.9?	7.4	1.6	15	151	2.9	0.09	0.8	0.6	0.14	C
29	7	21	48.8	19-20.3	155-13.0	6.8	1.1	10	155	4.0	0.12	1.0	0.8	0.15	C
29	7	56	53.9	19-18.6	155-12.9	3.0	1.9	18	155	7.1	0.15	0.8	1.4	0.21	C
29	7	58	21.6	19-19.4	155-12.9	6.5	2.3	20	148	5.6	0.10	0.8	0.6	0.18	C
29	8	36	2.5	19-18.6	155-13.8	8.0*	1.6	13	153	6.9	0.10	0.8		0.14	C
29	9	14	57.1	19-25.1	155-27.4	7.4	1.5	17	107	11.3	0.09	0.6	0.5	0.12	B
29	10	56	55.8	18-52.5	155-17.8	3.4	2.3	15	260	36.1	1.29	2.7	8.4	0.11	D
29	11	6	21.8	18-52.5	155-17.6	8.0*	2.4	10	260	36.1	0.40	2.6		0.10	D
29	11	28	38.5	19-18.4	155-13.4?	9.4	1.9	18	156	7.6	0.07	0.6	1.6	0.11	C
29	12	22	31.4	18-49.9	155-15.4	1.2*	2.5	14	269	42.2	0.75	4.7		0.19	D
29	14	57	19.4	19-43.3	156- 3.7?	0.2	2.3	14	255	23.6	0.43	2.7	1.0	0.19	D
29	15	18	9.5	19-21.0	155-16.0	31.1	2.2	17	125	2.6	0.14	0.7	1.2	0.07	B
29	15	43	58.4	19-22.3	155- 4.3	5.1	2.2	19	147	5.0	0.14	0.9	0.8	0.19	B
29	16	7	42.8	18-51.1	155-16.5	1.3*	2.4	13	265	39.3	0.38	2.4		0.11	D
29	16	46	42.0	18-59.6	155-19.7	13.1*	1.9	12	245	23.2	0.35	2.6		0.12	D
29	19	3	27.0	19-19.5	155-10.8	8.0*	2.0	15	172	5.1	0.10	0.8		0.12	C
29	22	8	26.6	19-18.3	155-15.1	12.1	1.3	12	211	5.2	0.14	0.5	1.1	0.04	B
29	22	33	15.4	19- 3.9	155-21.7	15.8	2.1	12	259	14.9	0.79	5.1	12.1	0.25	D
29	22	35	50.1	18-50.7	155-16.1	0.8*	2.2	12	297	40.4	1.09	6.7		0.18	D
29	23	21	7.1	18-56.7	155-19.1	11.7*	2.3	13	242	28.2	0.33	2.4		0.15	D
30	4	3	38.9	19-19.5	155-16.0	6.3	1.9	19	162	2.7	0.09	0.7	0.6	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
NOV 30	4	4	11.1	19-19.5	155-15.8	6.4	1.5	16	164	3.0	0.08	0.6	0.5	0.12	C
30	7	31	58.5	19-24.5	155-24.8	8.0*	1.4	12	214	8.3	0.12	0.7		0.08	C
30	9	32	50.7	18-50.6	155-15.0?	0.0	2.4	20	261	41.5	0.32	2.4	0.9	0.13	C
30	9	40	28.1	18-50.7	155-15.0	0.5	2.7	22	261	41.3	0.40	2.9	1.2	0.16	D
30	10	9	48.2	19-19.4	155-13.4	8.0*	1.3	14	167	5.8	0.10	0.7		0.14	C
30	13	12	20.7	18-51.1	155-16.1	8.1	2.6	16	259	39.8	0.62	3.0	3.4	0.16	D
30	14	53	12.6	19-24.0	155-16.3	2.6	1.2	12	57	1.6	0.09	0.4	1.1	0.10	B
30	15	45	17.3	19-29.3	155-53.9	7.9	2.4	24	169	4.2	0.11	1.4	1.2	0.14	C
30	20	11	47.6	19- 1.4	155-17.0	12.7*	2.1	12	227	24.2	0.41	3.1		0.23	D
30	22	26	48.1	19-19.5	155-12.6	8.0*	1.4	9	210	5.4	0.15	1.1		0.11	C
30	22	30	8.7	19-25.1	155-16.7	2.9	0.9	12	122	0.7	0.08	0.4	0.8	0.09	B
1	4	22	44.5	19-19.6	155-14.1	8.0*	1.4	16	183	5.7	0.11	0.8		0.14	C
1	9	0	35.9	19-18.0	155-13.0	8.1	2.1	14	183	8.3	0.10	0.7	1.9	0.08	C
1	12	2	2.1	18-52.7	155-14.1	0.9*	2.6	19	256	39.4	0.41	2.7		0.15	D
1	12	4	31.0	19-22.9	155- 4.6	3.7	1.7	10	109	6.2	0.10	0.8	1.2	0.15	B
1	12	5	25.2	19-24.2	155-16.1	1.3	0.9	9	101	2.1	0.11	0.6	0.7	0.13	B
1	12	20	43.5	19-24.1	155-16.1	1.2	0.6	10	64	2.0	0.11	0.6	0.7	0.16	B
1	13	52	14.6	19-18.1	155-14.3	8.0*	1.5	11	221	6.6	0.22	1.5		0.16	C
1	16	12	24.9	19-26.2	155-43.4	7.0	2.0	17	142	13.6	0.18	0.9	1.0	0.17	B
1	16	47	18.9	18-52.1	155-16.0	7.6	2.6	15	263	38.2	0.48	2.3	2.5	0.10	C
1	22	26	11.0	19-23.7	155-16.2?	1.4	0.5	7	106	1.4	1.27	3.1	9.7	0.16	C
2	0	0	36.4	19-25.1	155-24.3?	0.0	1.8	8	197	7.7	8.73	1.3	16.5	0.15	C
2	5	9	21.0	19-20.4	155-13.0	9.2	1.2	11	186	3.8	0.23	1.1	2.2	0.10	C
2	5	40	8.7	19-19.4	155-13.4	9.5	3.6	22	144	5.7	0.04	0.4	0.5	0.09	B
2	5	51	47.8	19-18.1	155-12.8	8.0*	1.6	9	233	7.9	0.24	1.5		0.10	D
2	5	52	14.4	19-17.1	155-11.9	8.0*	1.5	12	206	10.0	0.19	1.4		0.17	C
2	5	53	48.0	19-20.0	155-14.5	8.0*	1.7	16	185	5.0	0.09	0.7		0.11	C
2	6	5	3.8	19-20.1	155-13.4	7.3	2.3	19	141	4.6	0.08	0.7	0.5	0.14	B
2	6	18	29.3	19-25.7	155-26.1	7.7	1.7	16	132	8.9	0.11	0.7	0.7	0.14	B
2	15	4	4.6	19-19.2	155-15.9	6.8	1.9	15	181	3.2	0.11	0.8	0.6	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 2	15	4	51.2	19-22.6	155-24.4	8.0*	1.8	17	131	4.8	0.07	0.6		0.12	C
2	22	1	9.7	19-21.1	155- 7.9	8.0	1.8	16	193	3.8	0.16	1.2	0.6	0.14	C
3	0	12	3.6	19- 8.7	155-38.8	5.1	2.1	16	189	11.8	0.16	1.3	0.9	0.13	C
3	3	19	33.1	19-24.3	155-16.3	3.1	0.7	9	90	1.7	0.18	0.6	1.7	0.09	A
3	7	36	18.7	19-19.1	155- 8.9	8.0*	1.8	13	181	5.7	0.10	0.8		0.12	C
3	12	24	39.5	19-24.3	155-16.3	2.0	1.0	9	74	1.6	0.05	0.3	0.2	0.06	A
3	13	5	51.7	19-24.2	155-16.2	12.3	1.6	18	62	1.9	0.04	0.5	0.4	0.09	A
3	16	2	14.0	19-17.9	155-14.4?	0.0	2.3	21	182	8.7	0.28	0.6	0.5	0.14	C
3	18	5	17.3	19-23.4	155-14.9	3.2	1.2	11	99	2.5	0.06	0.3	1.0	0.05	A
3	22	4	55.7	19-21.8	155- 8.4?	8.1	2.6	18	138	2.5	0.06	0.5	0.3	0.09	B
3	23	37	56.2	19-20.1	155- 8.2?	5.0	1.7	18	166	4.7	0.12	0.9	0.9	0.15	C
3	23	53	51.6	19-24.2	155-16.2	1.9	0.8	13	68	1.9	0.10	0.5	0.4	0.16	B
4	4	7	34.7	19-19.0	155-12.7	8.0*		13	217	6.3	0.15	0.9		0.09	C
4	4	25	5.9	20- 0.6	155-20.5	0.8	2.5	19	294	28.1	0.25	2.1	0.6	0.14	C
4	4	26	40.3	19-19.8	155-12.3	5.4		17	190	4.9	0.15	1.0	0.7	0.18	C
4	5	46	24.3	19-16.2	155-23.6	0.1	1.9	19	143	5.5	0.49	0.8	1.0	0.20	C
4	7	26	15.1	19-19.0	155-21.2?	0.7	1.4	14	190	4.2	1.46	0.6	5.6	0.10	C
4	7	48	17.3	19-16.5	155-22.1?	8.0*		9	276	6.6	1.00	5.3		0.16	D
4	7	49	31.3	19-16.6	155-22.0?	0.0	2.0	19	183	7.0	0.53	0.9	1.1	0.19	C
4	8	3	49.3	19-15.8	155-22.0?	8.0*		10	289	7.2	1.95	10.0		0.16	D
4	10	6	22.2	19-24.2	155-16.1	3.1	0.8	6	99	2.0	0.04	0.1	0.4	0.01	B
4	10	51	58.5	19-23.4	155-14.9	3.8		7	103	2.6	0.09	0.2	0.9	0.03	B
4	11	23	32.6	19-20.4	155-19.0	6.8	1.4	14	71	2.9	0.13	0.4	1.2	0.10	A
4	14	16	14.1	19- 6.0	156-15.5	17.8*	2.5	19	282	58.5	0.29	2.0		0.15	D
4	17	0	38.3	19-23.3	155-15.1	4.0	1.1	11	105	2.2	0.13	0.5	1.4	0.10	A
4	23	1	0.7	19-24.1	155-10.4	16.1	1.8	8	326	7.0	0.47	4.2	4.7	0.11	D
5	0	26	30.2	19-19.7	155-15.2	5.9		18	164	3.9	0.09	0.7	0.6	0.16	C
5	0	33	54.5	19-20.1	155-13.1	5.4		17	157	4.3	0.12	0.9	0.8	0.21	C
5	5	27	31.7	19-24.0	155-23.4	9.5	1.5	16	115	6.4	0.05	0.4	1.1	0.09	A
5	5	31	1.3	19-22.8	155-14.6?	2.2*	1.1	13	116	2.4	0.17	1.1		0.29	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 5	5	55	17.9	19-23.4	155-14.9	1.4	1.0	10	101	2.5	0.09	0.4	0.5	0.13	B
5	7	44	39.4	19-18.7	155-11.4	3.3	2.3	19	202	6.9	0.24	1.3	1.1	0.27	C
5	9	28	51.6	19-27.2	155-24.8	8.0*		8	219	5.4	0.13	0.8		0.08	C
5	9	31	11.4	19-23.2	155-14.6	3.5	1.2	9	109	2.6	0.20	0.6	2.2	0.09	B
5	9	56	20.7	19-23.1	155-14.6	2.1*		10	107	2.5	0.05	0.3		0.07	B
5	10	0	1.0	19-28.4	155-18.1?	8.0*	2.3	8	298	5.6	0.24	3.3		0.32	D
5	14	33	51.4	19-22.3	155- 3.8	3.1	2.7	18	161	4.6	0.12	0.7	0.8	0.14	C
5	14	47	11.5	19-20.6	155-14.4	24.5	3.6	28	134	4.5	0.12	0.8	1.2	0.15	B
5	17	27	33.2	19-22.4	155-17.5	12.1		11	88	2.1	0.13	1.0	1.1	0.14	B
6	0	2	2.3	19-24.9	155-17.2	1.0	1.8	12	107	0.3	0.05	0.3	0.3	0.11	B
6	0	2	54.3	19-27.7	155-18.0?	8.0*	1.7	7	289	4.2	0.63	4.8		0.39	D
6	0	4	4.4	19-24.8	155-17.1	1.5	2.3	21	36	0.2	0.09	0.5	0.4	0.19	B
6	2	39	30.7	19-19.8	155-12.2	8.3	1.6	12	209	5.0	0.25	1.3	2.7	0.10	C
6	3	5	44.1	19-23.7	155-15.2	1.5	0.2	8	91	2.4	0.05	0.2	0.3	0.05	A
6	3	25	45.2	19-20.2	155- 9.0	7.0	2.3	22	146	3.7	0.10	0.8	0.5	0.19	B
6	4	35	54.5	19-23.2	155-14.5	2.6		9	110	2.8	0.04	0.2	1.4	0.03	A
6	7	31	26.9	19-21.0	155- 8.1?	0.0	1.9	17	151	8.5	4.27	0.9	8.1	0.18	C
6	7	35	7.5	19-23.4	155-15.2	3.8	1.0	11	100	2.2	0.15	0.6	1.7	0.11	B
6	7	53	41.0	19-19.0	155- 9.0	3.4	1.8	16	179	5.8	0.16	1.0	1.1	0.20	C
6	11	23	0.2	19- 5.7	155-22.7	39.6		17	195	11.5	0.28	1.3	2.9	0.11	C
6	15	54	50.2	19-26.8	154-53.9	14.1*	2.3	14	220	4.0	0.14	1.2		0.09	C
6	16	34	43.9	19-21.0	155-12.6	13.0		11	175	2.7	0.22	0.7	1.7	0.05	B
6	19	22	4.9	19-18.9	155-16.1	9.2	1.7	17	144	3.2	0.06	0.5	0.8	0.09	B
6	20	20	2.6	19-17.0	155-15.1	12.7		11	242	6.5	0.22	0.9	1.6	0.05	C
6	21	1	46.3	19-21.0	155-10.7	8.1	1.8	13	171	2.5	0.09	0.8	0.4	0.10	C
6	22	35	24.5	19-17.3	155-15.1	12.1		11	236	6.4	0.18	0.7	1.4	0.05	C
7	1	8	59.2	19-24.7	155-17.2?	2.0	0.8	9	84	0.5	0.09	0.7	0.4	0.13	B
7	7	56	19.3	19-32.3	155-40.6	2.8	3.0	18	135	23.8	0.10	0.6	1.1	0.10	B
7	8	26	20.9	19-19.6	155-14.1	8.0*		14	160	5.8	0.05	0.4		0.07	C
7	10	8	25.3	19-22.7	154-56.6	5.5	2.9	22	219	12.2	0.20	1.6	1.3	0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 7	16	46	5.2	19-24.9	155-16.9	8.9	1.2	14	114	0.1	0.07	0.5	0.7	0.08	A
7	18	26	26.5	19-17.3	155-14.6	9.4		13	235	7.0	0.29	1.4	2.3	0.09	C
7	18	38	34.4	19-23.0	154-53.5	6.0		16	250	10.9	0.32	2.2	1.1	0.17	C
7	19	42	4.7	19-21.7	155-18.7	2.3*		10	81	3.7	0.05	0.4		0.10	B
8	1	59	34.5	19-24.8	155-24.4	2.7	1.4	15	205	8.3	0.24	1.2	1.6	0.17	C
8	2	37	18.9	18-43.4	155-13.1	8.0*	2.9	11	326	54.6	0.49	3.8		0.17	D
8	2	38	30.5	18-51.9	155-15.1?	0.1	2.7	19	289	39.5	0.42	3.8	1.4	0.18	D
8	4	11	39.3	18-51.8	155-15.3?	0.0	2.5	22	258	39.4	0.43	3.2	1.3	0.18	D
8	4	12	22.4	18-52.3	155-15.4?	0.1	2.8	17	288	38.6	0.47	5.4	1.9	0.19	D
8	6	8	35.4	18-51.1	155-15.6?	0.0	2.7	20	260	40.1	0.35	2.5	1.0	0.15	D
8	6	25	37.7	18-59.2	155-20.7	13.3*		12	288	22.8	0.92	5.9		0.14	D
8	8	41	38.9	18-58.2	155-22.1?	9.8	2.5	7	263	23.2	0.93	5.7	3.8	0.12	D
8	10	14	53.6	19-20.3	155-16.7	5.8	1.4	14	126	1.3	0.10	0.7	0.8	0.15	B
8	10	36	38.5	18-50.0	155-16.6?	5.6	2.8	17	262	41.1	0.67	3.2	3.6	0.16	D
8	12	17	56.8	19-21.0	155- 6.8	7.8	3.4	20	133	5.7	0.06	0.6	0.4	0.11	B
8	13	7	14.8	19-25.0	155-16.8	1.8	0.7	8	118	0.4	0.09	0.6	0.4	0.12	B
8	13	55	3.9	19-19.5	155-14.8	8.0*	1.6	14	159	4.8	0.12	0.9		0.17	C
8	14	58	49.9	18-50.2	155-16.3	1.3*		9	280	40.9	0.52	3.3		0.13	D
8	15	59	28.5	19-22.1	155-23.8	7.5	1.7	19	123	3.6	0.08	0.7	0.5	0.16	C
8	18	12	46.9	19-23.3	155-14.8	2.1	0.9	9	105	2.6	0.06	0.3	0.2	0.06	A
8	18	29	29.2	18-49.2	155-17.1	0.3*	2.1	20	264	42.0	0.43	2.7		0.14	D
8	19	51	47.0	19-20.7	155-13.4	7.5	1.8	19	146	3.5	0.08	0.8	0.5	0.16	B
8	22	35	55.1	19-17.2	155-14.8	13.1		11	237	6.8	0.24	0.9	1.8	0.06	C
9	2	3	1.9	19-23.1	155-24.0	7.4	3.5	20	154	5.6	0.11	0.8	0.5	0.17	C
9	2	15	57.1	19-19.6	155- 7.8	5.4	4.3	21	156	5.8	0.15	0.9	0.8	0.25	C
9	2	24	47.3	19-19.3	155- 7.6	5.9	2.5	21	160	6.4	0.14	0.9	0.7	0.22	C
9	2	29	48.7	19-20.4	155- 6.7	8.0*	2.1	13	161	6.2	0.06	0.6		0.09	C
9	2	43	47.1	19-19.8	155- 7.4	8.0*	1.7	14	172	6.0	0.09	0.8		0.10	C
9	3	19	38.7	19-19.5	155- 5.7	0.2	2.7	18	194	13.3	0.42	1.2	0.7	0.22	C
9	3	48	51.5	19-20.3	155- 7.4	5.5	2.3	19	163	5.3	0.13	1.0	0.9	0.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 9	4	8	39.5	19-23.8	155-23.8	8.0*	1.5	10	165	6.7	0.15	1.3		0.17	C
9	7	22	26.7	19-21.1	155-24.9	9.9		11	170	3.3	0.26	1.3	3.0	0.16	C
9	9	24	42.3	19-24.1	155-25.4	3.3	2.3	20	88	8.1	0.08	0.5	0.8	0.16	B
9	9	43	27.8	19-20.4	155- 7.5	4.3	1.8	17	160	5.0	0.11	0.9	0.7	0.17	C
9	12	13	56.8	19-35.3	156-16.4	13.9*	2.8	19	282	37.7	0.24	1.8		0.14	D
9	14	33	26.9	19-20.0	155-14.6	8.0*		10	151	5.0	0.11	0.9		0.16	C
9	21	9	2.1	19-17.3	155- 7.4?	0.0		11	259	9.8	9.89	3.2	18.2	0.23	D
10	1	5	56.1	19-23.5	155-15.0	1.9		6	186	2.5	0.06	0.5	0.2	0.02	B
10	3	48	12.2	19-21.9	155-18.4	0.4	1.1	11	76	3.8	0.52	0.7	2.0	0.15	B
10	3	59	15.6	18-53.1	155-17.1	8.7		12	300	35.7	1.29	6.7	3.5	0.11	D
10	7	47	1.0	19-11.5	155-27.3	33.2		14	137	3.9	0.47	1.9	4.0	0.10	B
10	7	47	41.9	19- 9.6	155-26.8	38.3		13	207	1.9	0.34	1.7	2.9	0.09	C
10	7	51	23.4	19- 9.6	155-24.2	32.0		12	221	6.4	0.56	2.3	4.6	0.08	C
10	9	52	41.2	19-20.8	155- 7.4	7.5	1.8	14	153	4.9	0.13	1.2	0.8	0.15	C
10	12	24	8.9	19-22.2	155-23.8	10.2		8	196	3.7	0.48	1.8	4.0	0.09	C
10	16	11	3.0	19-21.2	155-23.1	7.6	2.3	22	61	1.9	0.08	0.8	0.6	0.23	B
10	17	55	16.9	19-24.1	155-15.7	4.6	1.0	10	68	2.5	0.20	0.6	1.5	0.08	A
10	18	35	46.4	19-20.0	155- 6.9	8.0*	1.9	12	180	7.0	0.06	0.5		0.06	C
10	23	39	49.8	19-24.1	155-15.8	1.7	0.7	8	117	2.4	0.08	0.4	0.5	0.10	A
11	0	30	57.0	19-18.8	155-12.0	2.7	2.3	20	178	6.8	0.17	1.0	1.1	0.25	C
11	1	6	37.5	19-19.1	155-20.4	4.2	1.5	8	168	3.6	0.10	0.6	0.8	0.07	B
11	1	33	39.6	19-23.3	155-14.8	5.0	1.6	14	100	2.6	0.09	0.4	0.9	0.09	B
11	2	7	17.5	19-19.1	155- 8.9	4.4	1.6	14	179	5.8	0.10	0.7	0.7	0.13	C
11	4	58	15.6	19-22.1	155-23.3	6.7		8	180	3.4	0.40	1.1	3.1	0.10	C
11	13	17	37.8	19-21.7	155-24.1	6.9	1.7	13	63	3.1	0.06	0.5	0.6	0.11	B
11	16	38	14.0	19-19.7	155-14.6	7.5		11	184	4.9	0.16	1.1	0.8	0.17	C
11	17	39	5.9	19-20.4	155- 7.7	7.6	1.5	14	161	4.8	0.10	1.0	0.6	0.14	C
11	21	17	29.8	19-23.1	155-15.3	1.0	1.5	12	109	1.7	0.07	0.3	0.4	0.12	B
11	21	57	1.5	19-24.4	155-22.6	3.0	1.3	12	164	5.3	0.17	1.0	2.1	0.18	C
12	7	4	24.8	19-19.5	155- 8.9	3.5	1.7	19	174	5.0	0.15	0.9	1.0	0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 12	8	30	45.5	19-24.7	155-24.3	8.0*	1.3	10	201	8.2	0.18	1.1		0.14	C
12	8	49	58.7	19-22.3	155-22.6?	5.2		10	158	4.0	0.23	1.4	2.6	0.13	C
12	9	51	19.4	19-24.1	155-15.8	1.7		8	117	2.4	0.08	0.4	0.5	0.10	A
12	13	24	45.3	19-22.6	155-24.7	4.1		9	219	5.1	0.25	1.4	1.1	0.14	C
12	14	30	3.0	19-22.3	155-24.3	6.6	1.8	15	128	4.2	0.11	0.8	0.9	0.19	B
12	20	49	21.3	19-23.2	155-15.2	4.0	1.1	12	104	2.0	0.12	0.5	1.4	0.10	A
12	20	49	43.8	19-23.6	155-15.1	3.0	1.0	12	94	2.4	0.22	0.8	3.0	0.15	B
12	20	55	7.9	19- 8.3	154-57.8?	15.6*	2.0	15	283	32.2	0.44	3.1		0.22	D
12	20	57	43.2	19-23.4	155-14.7	4.7	2.1	15	98	2.4	0.08	0.4	0.8	0.08	B
12	21	20	5.8	19-23.4	155-14.8	2.1	1.0	9	103	2.6	0.07	0.4	0.3	0.08	A
12	23	18	34.7	19-20.3	155-13.2	6.9	1.6	13	152	4.0	0.11	0.9	0.7	0.15	C
12	23	41	17.3	19-23.1	155-14.7	2.1	0.3	8	129	2.5	0.11	0.5	0.5	0.05	B
13	2	23	27.0	19-23.3	155-14.8	1.6	0.8	9	105	2.5	0.07	0.3	0.3	0.10	A
13	3	21	56.3	18-53.2	155-17.6	8.3	2.2	17	252	35.1	0.38	2.6	3.2	0.13	D
13	4	16	29.0	19-23.0	155-14.4	1.7	0.7	9	115	2.8	0.09	0.5	0.4	0.11	B
13	6	26	36.7	19-23.3	155-15.1	4.2	1.3	13	102	2.2	0.13	0.6	1.4	0.13	B
13	6	46	27.3	19-23.3	155-14.7	2.5	1.0	9	106	2.6	0.10	0.4	5.2	0.07	B
13	7	54	2.4	18-57.3	155-21.2	12.6*	2.4	15	248	25.3	0.35	2.5		0.12	D
13	8	40	13.3	19-23.5	155-14.9	1.2		11	97	2.4	0.10	0.5	0.5	0.15	B
13	10	53	51.9	18-53.6	155-15.7	7.6	2.5	17	291	36.3	0.34	3.6	4.3	0.14	D
13	11	47	36.8	19-19.2	155-15.4	8.1	2.4	19	162	3.9	0.06	0.5	0.3	0.11	C
13	11	55	5.9	19-16.6	155-23.2	2.7	1.5	12	140	6.2	0.09	0.8	1.8	0.14	B
13	13	49	27.4	19-21.2	155-19.1	2.4*	1.5	9	84	3.6	0.03	0.3		0.06	B
13	17	52	54.4	19-23.4	155-23.9	4.0*	1.5	16	129	6.1	0.07	0.6		0.13	C
13	18	18	45.7	19-19.9	155-29.6	7.8	2.2	18	156	8.3	0.17	1.1	0.9	0.17	C
13	19	55	36.9	19-22.0	155-18.5	1.5	0.5	9	77	3.7	0.06	0.3	0.3	0.07	A
13	20	49	13.9	19-20.1	155-13.7	8.0*	1.5	15	155	4.8	0.09	0.7		0.14	C
13	21	2	7.7	19-24.2	154-59.5	7.1	2.0	12	166	10.0	0.14	1.3	1.1	0.14	C
13	21	6	41.1	19-21.8	155-18.1	4.3	1.4	13	70	3.4	0.10	0.3	1.2	0.10	A
13	22	40	28.9	19-19.6	155-11.8	8.0*		6	218	5.4	0.15	1.1		0.07	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 14	0	4	44.1	19-24.3	155-16.4	1.5	0.5	7	87	1.5	0.04	0.2	0.2	0.04	B
14	1	8	38.4	18-49.6	155-16.0	2.2*	2.6	9	270	42.1	0.74	4.7		0.16	D
14	1	37	13.9	19-18.5	155-12.6	8.0*	1.5	11	227	7.2	0.20	1.2		0.10	D
14	2	20	21.2	19- 0.1	155-18.5	10.3		10	246	23.9	0.52	3.0	2.3	0.12	D
14	3	46	41.2	19- 7.7	155-26.8	35.2	1.9	9	200	3.8	0.50	3.6	4.8	0.11	C
14	3	51	26.7	19-11.3	155-25.4	26.2	2.0	11	178	5.4	0.55	2.4	4.9	0.09	C
14	3	52	59.2	19-16.7	155-30.6	8.0*	2.0	10	159	6.8	0.15	1.4		0.20	C
14	3	56	17.2	19- 7.3	155-26.1?	38.8	1.8	16	177	5.0	0.38	1.6	3.7	0.15	C
14	4	5	28.6	19-12.6	155-37.2?	7.4	2.0	15	127	4.3	0.15	1.3	1.7	0.21	C
14	4	24	48.5	19-24.1	155-15.7	1.8	1.0	9	67	2.5	0.03	0.1	0.1	0.04	A
14	5	10	57.3	19-20.8	155- 7.0	8.0*	1.3	10	153	5.5	0.07	0.7		0.09	C
14	5	24	43.1	18-54.1	155-18.6	6.8	2.6	13	266	32.7	1.84	3.8	11.3	0.14	D
14	6	5	1.0	18-36.1	155- 9.4	8.0*	2.2	10	300	68.2	2.00	12.3		0.22	D
14	7	32	2.7	19-21.5	155- 4.2	5.3	1.5	11	139	3.7	0.21	1.7	1.3	0.20	C
14	8	5	32.8	19-21.8	155-23.3?	8.1	3.3	20	118	3.0	0.06	0.5	0.4	0.14	B
14	10	21	38.3	18-49.6	155-24.5	10.3	2.8	22	266	32.0	0.22	1.6	1.7	0.12	C
14	10	27	10.2	19-23.2	155-14.8	4.1	1.4	11	105	2.4	0.21	0.7	1.8	0.09	B
14	10	31	22.4	19-19.6	155- 8.9?	3.9	1.8	14	173	4.9	0.18	1.5	1.1	0.22	C
14	14	49	2.5	19-19.8	155-13.8	7.2	1.5	18	158	5.3	0.10	0.8	0.5	0.15	C
14	19	27	1.3	19-21.4	155-15.6	26.1	2.9	25	123	1.8	0.12	0.8	1.3	0.14	B
14	20	25	27.3	19-21.7	155-25.0	3.5	1.6	16	109	4.1	0.09	0.6	1.2	0.16	B
14	20	50	45.1	19-25.3	154-45.1	5.8		15	322	15.9	1.25	5.8	2.5	0.12	D
15	0	32	49.9	19-19.3	155-15.5	5.6		17	183	3.7	0.14	0.9	0.7	0.17	C
15	3	5	39.8	19-19.8	155-18.4	32.1	3.2	20	113	1.9	0.16	0.9	1.4	0.10	A
15	5	26	44.5	18-51.2	155-16.4?	9.6	2.7	17	265	39.3	0.57	3.7	13.7	0.25	D
15	7	44	51.0	19-18.5	155- 9.0	3.8	1.9	20	186	6.8	0.18	1.1	1.1	0.23	C
15	8	42	36.8	19-24.2	155-27.9?	7.9	3.2	25	81	10.8	0.09	0.5	0.6	0.17	B
15	8	58	20.2	19-22.0	155-23.9	6.8		14	111	3.4	0.10	0.8	0.9	0.20	B
15	17	20	7.8	19-19.7	155-38.2?	0.0	2.2	20	164	9.1	3.60	0.8	5.8	0.18	C
15	23	40	18.2	19-24.8	155-17.1	0.9	0.5	9	75	0.3	0.12	0.6	0.8	0.20	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 16	6	54	0.1	19-20.6	155- 8.3	3.9	1.9	17	158	3.8	0.14	1.0	0.9	0.20	C
16	9	26	31.0	19-22.2	155- 6.1	4.1		17	123	6.5	0.10	0.7	0.7	0.14	B
16	11	34	54.6	19-20.3	155-19.3	5.4	2.4	20	69	3.3	0.05	0.4	0.4	0.12	B
16	12	17	5.3	19-22.2	155-23.7	6.2		13	112	3.7	0.09	0.8	0.9	0.17	B
16	16	52	16.5	18-56.4	155-16.8	8.4		15	299	30.9	3.42	8.7	14.0	0.18	D
16	17	27	44.8	19-24.1	155-15.8	1.8	0.7	7	116	2.3	0.03	0.2	0.2	0.03	B
16	19	18	22.1	20- 3.6	155-35.9	49.3	2.8	22	193	20.4	0.47	2.0	4.3	0.11	C
16	20	16	52.5	19-13.1	155-10.2?	35.0		10	254	16.5	0.21	1.6	2.0	0.04	C
16	21	49	53.7	18-55.4	155-15.7	2.1	2.6	20	282	33.7	0.28	2.0	2.3	0.13	C
16	22	7	48.7	19-22.8	155-10.9?	8.0*		11	125	10.6	0.25	2.3		0.33	C
17	1	18	22.6	19-20.4	155-19.4	4.3	1.3	14	117	3.6	0.11	0.8	1.1	0.18	B
17	1	22	59.3	19-19.0	155-12.4	3.2	1.9	21	153	6.4	0.13	0.8	1.1	0.22	C
17	2	3	18.7	19-20.4	155-12.9	5.9	1.8	16	184	3.9	0.17	1.0	0.8	0.18	C
17	2	51	43.3	19-22.1	155-17.7	3.6	1.2	13	83	2.7	0.07	0.3	1.0	0.08	A
17	8	16	1.3	19-24.4	155-16.9	2.7	1.6	12	59	1.0	0.07	0.5	0.7	0.06	A
17	8	51	1.6	18-49.3	155-15.9	1.8*		20	271	42.8	0.40	2.5		0.12	D
17	8	59	47.5	19-23.8	155-24.9	8.2	2.3	23	121	7.2	0.11	0.7	0.7	0.18	C
17	10	19	26.2	19-20.3	155-19.2	6.4	1.5	11	102	3.1	0.09	0.5	0.6	0.08	A
17	11	0	22.2	19-23.4	155-14.7	2.1*	1.0	8	105	2.5	0.03	0.2		0.05	B
17	11	34	23.8	19-19.3	155-15.6	6.0		11	182	3.5	0.15	0.9	0.7	0.13	C
17	14	22	35.2	19-18.8	155-13.2	8.0*		10	235	7.0	0.26	1.7		0.12	D
17	19	53	5.0	18-49.9	155-16.2	1.4*	2.6	18	281	41.6	0.71	4.4		0.15	D
17	20	9	17.9	18-53.7	155-17.9	15.1*	2.7	22	251	34.0	0.29	2.1		0.18	D
17	20	10	43.6	18-51.3	155-18.6	3.0		15	284	37.3	1.88	4.4	10.4	0.13	D
17	20	12	21.7	18-51.2	155-17.1	1.7*	2.6	16	264	38.7	0.51	3.2		0.15	D
17	21	8	21.3	18-49.7	155-18.3	1.9*	2.6	16	275	40.1	0.44	2.7		0.10	D
17	21	11	29.4	18-52.2	155-17.1	15.6*	2.7	22	255	37.0	0.32	2.2		0.20	D
17	21	32	46.4	18-53.8	155-18.0	18.0*	2.6	21	250	33.8	0.31	2.2		0.18	D
17	23	22	24.4	19-23.2	155-14.8	1.9	1.3	17	108	2.3	0.13	0.5	0.5	0.19	B
17	23	27	8.2	19-20.5	155-20.0	3.2	1.6	18	77	4.6	0.05	0.4	0.8	0.13	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 17	23	40	16.5	19-23.3	155-14.5	3.5	2.2	19	102	2.5	0.05	0.4	0.6	0.12	B
18	1	54	59.6	19-20.8	155-19.2	3.4		10	91	3.4	0.06	0.2	1.1	0.03	A
18	2	10	43.6	19-20.2	155-19.1	5.0	1.5	14	84	3.0	0.08	0.6	0.7	0.11	B
18	2	53	39.6	18-57.9	155-17.1	10.6	2.7	22	276	28.5	0.28	1.7	1.4	0.14	C
18	2	57	29.9	18-52.0	155-16.0	9.5*	3.2	20	289	38.4	0.71	4.4		0.14	D
18	2	59	49.8	19- 4.1	155-19.9?	4.6	2.3	18	259	17.1	0.60	3.2	3.5	0.34	D
18	3	1	35.9	18-58.8	155-20.9	9.4	2.4	17	289	23.2	0.41	2.5	2.1	0.17	C
18	6	25	55.0	19-20.2	155-19.9?	5.3	1.4	10	118	4.3	0.21	1.0	2.1	0.09	B
18	7	18	1.0	18-54.1	155-20.9	10.6		11	275	31.0	0.52	3.0	2.3	0.09	D
18	8	14	33.5	19-17.9	155-15.2	9.0		11	219	5.5	0.18	0.9	1.6	0.07	B
18	10	45	59.4	19-21.9	155- 3.3	2.9	2.1	18	174	3.8	0.23	1.3	1.4	0.25	C
18	13	0	21.1	18-50.5	155-19.1	1.5*		16	278	38.4	0.76	4.7		0.19	D
18	13	29	0.7	18-53.7	155-18.9	8.0*		9	315	33.1	0.76	4.6		0.08	D
18	14	55	53.3	18-46.9	155-15.6	18.8*	2.8	16	289	47.0	0.32	2.2		0.12	D
18	17	37	15.3	19-20.7	155-13.7	6.4		15	169	3.9	0.09	0.7	0.5	0.13	C
18	18	25	45.9	19-20.8	155-19.0	5.1	1.3	11	89	3.1	0.13	0.3	1.1	0.05	A
18	19	8	43.3	19-18.8	155- 7.1	1.1	1.9	19	210	7.7	1.42	1.1	5.0	0.18	C
18	20	13	54.3	19-32.7	155- 5.4	15.7	2.2	19	165	5.3	0.06	0.5	1.1	0.07	B
18	20	16	24.9	19-19.8	155-15.6	5.3	1.4	12	191	3.1	0.18	1.0	0.9	0.14	C
18	20	23	17.4	19-19.1	155- 7.9	2.3		16	184	6.5	0.21	1.3	1.8	0.22	C
18	23	46	9.8	18-51.3	155-18.6	15.2*	3.0	22	258	37.2	0.23	1.6		0.14	D
19	0	41	31.4	19-19.4	155-11.4	5.2		15	197	5.7	0.18	1.1	0.9	0.17	C
19	2	24	45.7	18-49.4	155-17.8?	14.8	2.8	18	294	41.2	0.52	3.7	5.3	0.20	D
19	3	9	43.7	18-43.2	155-18.1	8.0*	2.9	19	280	51.5	0.72	4.5		0.17	D
19	3	25	49.9	19-25.2	155-28.3	2.6	1.9	20	89	12.2	0.17	0.9	1.7	0.23	B
19	3	29	34.7	18-55.8	155-22.2?	2.5		17	244	27.2	1.38	2.8	8.1	0.21	D
19	3	39	34.2	18-50.7	155-17.9	0.1*		9	277	38.9	0.62	3.8		0.12	D
19	5	34	5.4	19-24.5	155-24.6?	0.0	1.4	15	159	8.2	7.23	0.8	13.7	0.15	C
19	5	46	4.3	19- 7.2	155- 7.5	42.3	2.5	24	223	27.8	0.23	1.3	1.7	0.09	C
19	6	35	38.5	19-19.1	155-15.5	8.8		9	238	3.9	0.21	1.2	1.3	0.05	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 19	7	20	25.9	19-18.9	155-12.2	3.1		12	242	6.7	0.36	1.8	1.9	0.19	C
19	8	32	51.1	19-20.4	155-19.0	6.4		12	95	2.8	0.06	0.3	0.4	0.06	A
19	8	35	58.3	19-20.8	155-19.2	4.0	1.8	10	106	5.3	0.12	0.3	1.7	0.06	A
19	9	9	58.8	18-45.1	155-17.1	11.0	2.7	13	291	47.5	0.49	8.0	16.0	0.13	D
19	9	11	34.8	18-50.6	155-18.5	3.8	2.5	17	265	38.5	1.63	3.6	10.3	0.17	D
19	9	15	36.5	18-49.8	155-17.8	2.5	2.9	17	263	40.5	0.34	2.6	3.5	0.12	D
19	9	19	37.9	18-48.1	155-18.3	8.0*	3.1	16	268	42.9	0.37	2.4		0.12	D
19	9	26	14.5	18-52.1	155-20.2	8.5	2.6	13	259	34.9	0.54	3.2	3.0	0.14	D
19	10	13	35.1	18-49.7	155-17.4	0.9*	3.9	24	263	40.9	0.39	2.5		0.14	D
19	11	1	33.9	18-49.5	155-17.8	2.9	3.2	21	264	40.9	0.30	2.3	3.2	0.12	C
19	11	7	29.9	18-52.6	155-20.2	9.4	2.6	8	283	33.9	0.63	3.5	2.2	0.07	D
19	13	46	58.6	18-47.3	155-17.0	8.0*	2.7	13	276	45.3	0.66	4.3		0.15	D
19	15	0	24.3	18-50.5	155-19.6	7.2		6	288	38.0	1.68	3.9	8.6	0.04	D
19	19	15	23.9	19-20.3	155-13.4	7.3	1.1	11	202	4.4	0.11	0.8	0.4	0.09	B
19	20	14	10.8	19-23.6	155-14.6	5.7	1.4	14	96	2.1	0.07	0.5	0.6	0.11	B
20	0	6	53.0	19-10.8	155-20.3?	36.6	2.4	15	177	15.3	0.17	1.4	1.7	0.12	C
20	0	10	22.8	19-17.7	155-20.7	31.6	2.2	8	232	3.6	1.06	4.1	8.3	0.09	D
20	1	18	22.5	18-41.0	155-16.9	8.0*	3.1	17	284	55.9	0.53	3.4		0.11	D
20	1	19	42.7	18-52.6	155-22.4	8.9	2.9	16	257	32.7	0.31	1.9	2.0	0.10	C
20	1	27	29.4	18-53.0	155-22.9	9.2	2.6	14	255	31.6	0.46	2.8	2.6	0.13	D
20	1	41	10.7	18-52.6	155-22.3	10.8*	2.6	11	279	32.7	0.71	4.8		0.13	D
20	1	43	14.0	18-44.0	155-18.6	8.0*	3.0	17	278	46.4	0.70	4.5		0.18	D
20	1	45	19.6	18-53.3	155-23.5	9.9	2.6	15	254	30.7	0.45	2.8	2.4	0.11	D
20	1	49	12.5	18-48.9	155-17.8	0.2	3.6	23	265	41.9	0.37	2.8	1.1	0.14	D
20	1	53	54.0	18-50.8	155-19.4	2.1*	2.6	11	287	37.6	0.94	5.8		0.18	D
20	1	54	33.6	18-55.4	155-23.7	8.6	3.5	14	242	27.1	0.34	2.0	2.0	0.13	C
20	2	1	55.1	18-51.4	155-21.8	8.6	2.6	14	304	35.1	1.19	6.0	3.1	0.09	D
20	2	7	54.2	18-49.7	155-22.1	8.0*	2.5	14	288	35.6	0.46	2.9		0.09	D
20	2	11	39.3	19- 7.9	155-24.5	9.5	1.9	11	255	6.6	0.60	4.1	2.9	0.26	D
20	2	18	45.1	18-44.4	155-16.5	7.0*	2.7	15	277	49.1	0.48	3.1		0.11	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 20	4	12	53.0	18-45.2	155-17.3	8.0*	3.0	18	274	47.0	0.59	3.8		0.16	D
20	4	21	32.0	18-53.0	155-22.8	14.1*	2.6	17	255	31.7	0.33	2.2		0.13	D
20	4	26	9.6	18-55.9	155-25.2	11.1	2.5	13	241	25.5	0.56	3.8	3.4	0.23	D
20	5	37	0.5	18-52.1	155-21.2	1.5*		11	281	34.1	0.48	3.0		0.12	D
20	5	39	54.4	18-53.8	155-22.9	6.6	2.4	14	252	30.2	1.23	2.3	7.5	0.13	D
20	5	42	4.3	18-53.9	155-22.1	3.6	2.5	9	252	30.5	1.06	2.3	5.1	0.10	D
20	5	43	8.5	18-48.5	155-17.3?	22.4*	3.2	20	267	42.9	0.38	2.6		0.20	D
20	5	46	6.8	18-58.7	155-28.1?	15.3	2.5	15	223	20.0	0.58	4.0	5.6	0.31	D
20	5	48	17.7	18-49.2	155-19.5	2.0*	2.2	6	293	40.1	1.16	7.0		0.13	D
20	7	36	6.5	18-54.2	155-24.1	9.9	2.5	14	250	29.1	0.47	3.0	2.8	0.16	D
20	7	42	2.7	19-20.2	155-11.3?	7.5	1.7	20	144	4.3	0.07	0.6	0.4	0.14	B
20	8	30	24.3	19-21.1	155-19.0	4.0	1.6	13	84	3.4	0.06	0.2	0.8	0.04	A
20	8	48	17.0	19-16.9	155-21.7	8.0*	1.7	16	137	5.7	0.08	0.8		0.17	C
20	9	43	18.0	18-41.6	155-15.1?	0.5*	3.8	21	282	54.1	0.33	2.2		0.18	D
20	10	19	10.3	19-20.6	155-11.9	8.5	2.2	19	136	3.6	0.06	0.6	0.9	0.12	B
20	12	32	4.3	19-14.7	155-17.6	16.3	2.3	11	303	6.2	0.72	4.7	5.5	0.22	D
20	12	39	41.3	19-22.9	155-22.8	6.7	1.4	17	91	5.6	0.11	0.8	0.7	0.18	B
20	15	44	28.4	19-20.0	155-13.6	8.0*		13	157	4.8	0.09	0.7		0.14	C
20	22	2	39.5	19-18.9	155-13.3	8.9	2.0	20	152	6.6	0.04	0.4	0.8	0.08	B
20	22	10	48.9	18-50.7	155-19.6	8.0*	3.6	9	264	37.6	0.33	2.2		0.09	D
20	22	50	14.1	19-17.3	155-22.8?	1.2	1.7	15	130	5.5	0.10	0.8	1.1	0.17	B
20	23	39	6.2	19-22.1	155-23.9	7.2	1.6	16	124	3.7	0.09	0.7	0.6	0.18	B
21	2	15	17.0	18-57.8	155-23.6	9.6	2.5	13	293	22.8	1.75	8.9	4.8	0.18	D
21	2	20	22.7	19-19.4	155-13.8	8.0*	1.6	14	189	6.0	0.17	1.2		0.18	C
21	2	50	54.4	19-21.5	155- 7.9	8.7	1.8	13	189	3.6	0.09	0.8	1.2	0.08	B
21	3	50	10.3	19-20.9	155-11.8	8.1	1.6	17	148	3.1	0.08	0.8	1.3	0.13	B
21	4	39	2.1	18-45.5	155-17.9	8.0*	2.7	14	280	45.8	0.70	4.5		0.15	D
21	5	14	16.0	19-19.8	155-11.8	6.7	1.6	18	147	5.2	0.09	0.7	0.6	0.16	B
21	5	29	27.0	19-19.7	155-16.2	5.9	1.5	18	138	2.2	0.08	0.7	0.6	0.16	B
21	9	27	48.3	18-48.7	155-18.8	18.5*	3.3	21	266	41.5	0.27	1.9		0.14	D

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 21	9	34	0.0	18-52.7	155-17.2	5.2	3.5	23	288	36.2	0.32	2.9	3.7	0.14	D
21	9	51	1.9	18-52.8	155-20.8?	32.5*	3.1	22	253	33.3	0.31	2.5		0.18	D
21	10	38	50.6	18-48.4	155-18.1	3.7	2.8	9	293	42.5	2.65	6.3	13.2	0.10	D
21	10	43	50.8	18-52.7	155-16.6	6.3	3.2	23	288	36.8	0.37	3.4	4.3	0.16	D
21	11	51	8.9	19-18.5	155-12.0	2.9	1.8	18	180	7.3	0.18	1.0	1.4	0.24	C
21	12	7	17.9	18-45.4	155-18.4	8.0*	2.8	17	274	45.2	0.63	4.0		0.18	D
21	12	46	13.4	18-54.0	155-23.2	1.7	2.7	13	260	29.8	3.13	3.2	9.6	0.19	D
21	14	17	22.1	18-45.8	155-18.1	8.0*	3.1	14	279	45.3	0.62	4.0		0.14	D
21	16	29	16.6	19-19.9	155-16.6	24.7	2.1	20	135	1.5	0.11	0.7	1.1	0.10	B
21	21	7	57.0	19-25.9	155-25.9	5.3	1.7	17	164	8.4	0.08	0.5	0.5	0.10	B
21	22	55	16.6	18-48.5	155- 8.7?	0.8		15	297	51.3	1.17	10.9	3.2	0.19	D
22	1	22	9.4	19- 8.7	155-39.2	3.2	2.5	18	158	12.1	0.14	0.9	0.8	0.15	C
22	1	35	8.6	19-23.3	155-22.9	5.2	1.5	15	143	5.7	0.10	0.8	1.2	0.19	B
22	1	48	8.7	18-40.2	155-12.0	8.0*	2.9	15	309	60.1	2.08	12.8		0.19	D
22	7	23	3.4	18-57.9	155-27.1	12.5*		18	285	35.9	0.65	4.2		0.14	D
22	8	37	30.7	19-22.4	155-18.9	8.1		8	89	2.7	0.21	1.0	2.4	0.10	B
22	9	5	7.3	19-16.9	155-13.2	8.0*	1.1	11	209	9.5	0.15	1.0		0.11	C
22	13	24	55.4	19-17.3	155-12.9	8.0*	1.7	15	166	9.5	0.09	0.7		0.13	C
22	14	30	23.9	18-48.7	155-18.0	3.7	2.6	17	266	42.1	0.37	2.9	3.9	0.14	D
22	14	40	55.8	18-47.5	155-17.5?	0.0	3.0	19	269	44.5	0.31	2.6	1.0	0.13	D
22	14	49	18.1	18-53.6	155-26.8	8.0*		12	262	25.0	0.65	4.7		0.22	D
22	16	10	42.1	18-51.4	155-19.4	7.7	2.6	13	262	36.6	0.27	1.7	1.6	0.08	C
22	16	41	34.5	19-16.3	155-13.8	8.0*	1.8	17	172	9.0	0.09	0.6		0.11	C
22	16	56	10.8	18-52.1	155-19.9	7.6	2.6	13	260	34.9	1.52	3.1	9.7	0.14	D
22	16	57	38.2	18-54.4	155-23.0	12.5*	2.5	11	249	29.1	0.39	2.9		0.15	D
22	17	1	13.9	19-19.1	155-14.0	8.0*		11	169	6.2	0.10	0.8		0.12	C
22	17	12	43.7	18-51.0	155-21.3	6.9	2.9	11	263	35.8	1.40	3.0	8.8	0.11	D
22	17	43	13.4	19-18.1	155-13.3	8.0*	1.7	16	188	8.1	0.11	0.8		0.10	C
22	18	32	43.6	19-19.4	155-15.1	7.6		14	160	4.2	0.09	0.7	0.5	0.11	C
22	18	36	14.7	19-18.4	155- 8.2	8.0*	1.9	14	195	7.4	0.08	0.6		0.08	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC	22	18	59	22.1	19-17.2	156-20.1	16.4*	2.4	17	276	75.5	0.20	1.5		0.13	D
	22	19	0	50.7	19-17.5	155-13.6	8.0*	1.7	19	162	8.2	0.08	0.6		0.13	C
	22	19	2	21.6	19-17.8	155-13.5	8.0*	1.7	18	161	8.0	0.06	0.5		0.09	C
	22	19	18	38.5	19-20.5	155-19.4	2.1	1.1	7	102	3.6	0.25	0.7	1.0	0.09	B
	22	19	18	57.6	19-17.8	155-13.5	8.0*	2.0	19	161	8.1	0.05	0.4		0.09	C
	22	19	38	49.2	19-17.9	155-13.9	8.0*		13	159	7.3	0.07	0.6		0.10	C
	22	19	44	14.6	19-19.6	155-10.0	7.6	1.2	10	229	4.5	0.15	0.9	0.4	0.07	C
	22	19	50	25.4	19-17.6	155-13.4	8.0*	1.6	10	236	8.3	0.19	1.2		0.08	D
	22	19	55	33.3	19-17.8	155-14.3	8.0*	1.4	10	227	6.9	0.22	1.5		0.13	D
	22	20	8	23.3	19-17.9	155-14.7	8.0*	1.6	10	222	6.2	0.28	1.8		0.15	C
	22	20	13	41.6	19-18.4	155- 8.2	8.0*	1.9	15	194	7.4	0.09	0.7		0.10	C
	22	20	23	13.5	19-20.8	155-18.8	4.4		12	84	2.8	0.14	0.4	1.8	0.08	A
	22	20	24	0.9	19-18.3	155- 7.1	8.0*	1.3	11	200	8.0	0.15	1.2		0.12	C
	22	20	35	25.4	19-18.1	155-14.2	8.0*	1.1	13	223	6.8	0.20	1.3		0.14	C
	22	20	40	24.2	19-19.7	155-13.7	8.0*	1.6	17	144	5.4	0.10	0.8		0.19	C
	22	20	41	29.3	19-18.5	155-14.5	8.0*	1.6	14	211	5.9	0.16	1.0		0.13	C
	22	20	46	59.1	19-18.3	155-14.4	8.0*	1.4	13	218	6.3	0.18	1.1		0.14	C
	22	20	56	45.0	19-20.1	155- 9.5	9.2	1.1	13	164	3.6	0.08	0.6	1.2	0.08	B
	22	20	57	59.9	19-16.2	155-12.0	8.0*	0.9	11	219	11.6	0.28	1.9		0.19	C
	22	20	58	29.2	19-27.0	155-27.1	7.4	2.2	22	117	8.5	0.10	0.6	0.5	0.14	B
	22	21	2	35.6	19-18.7	155-13.7	8.0*	1.6	13	214	7.0	0.18	1.1		0.14	C
	22	21	15	51.9	19-18.6	155- 8.6	7.6	1.8	20	167	6.8	0.07	0.5	0.4	0.10	C
	22	21	24	23.0	19-17.5	155-13.7	8.0*	1.6	10	237	8.1	0.27	1.6		0.11	D
	22	21	37	8.9	19-17.8	155-13.9	8.0*	1.7	17	159	7.4	0.08	0.6		0.12	C
	22	21	50	6.6	19-16.9	155-12.5	8.0*	1.4	10	248	10.2	0.32	1.9		0.15	D
	22	22	29	39.0	19-17.6	155-14.8	8.0*		12	228	6.5	0.13	0.9		0.08	D
	22	22	31	14.9	19-18.3	155-14.7	10.2	1.4	11	213	5.7	0.14	0.7	1.3	0.07	B
	22	22	39	22.5	19-17.4	155-13.1	8.0*	1.5	12	242	8.9	0.24	1.3		0.11	D
	22	22	49	13.3	19-14.6	155-14.0	8.0*		9	274	10.2	0.76	4.2		0.16	D
	22	22	53	13.5	19-17.9	155-13.4	8.0*	1.9	11	191	8.1	0.15	1.1		0.14	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 22	22	56	2.4	19-19.1	155-15.6	7.9	1.6	18	144	3.6	0.07	0.6	0.4	0.13	B
22	22	57	17.6	19-12.3	155-12.5	8.0*	1.3	9	244	15.0	0.46	2.8		0.18	D
22	23	1	40.0	19-18.4	155-15.0	5.5		13	181	5.2	0.14	1.0	0.9	0.16	C
22	23	10	4.7	19-19.1	155-13.8	8.0*	1.2	13	148	6.4	0.10	0.8		0.14	C
22	23	23	45.1	19-18.2	155- 8.2	10.0	2.6	20	174	7.7	0.06	0.5	0.8	0.07	B
22	23	26	25.0	19-18.0	155-13.8	8.0*		12	194	7.4	0.10	0.7		0.09	C
22	23	43	39.7	19-16.7	155-14.2	8.0*	1.7	17	167	8.1	0.10	0.7		0.13	C
23	0	16	31.6	19-16.9	155-12.8	8.0*	0.8	9	208	10.0	0.08	0.5		0.05	C
23	0	36	29.5	19-16.9	155-14.9	9.6	1.5	10	244	6.9	0.33	1.8	2.7	0.13	C
23	0	39	7.9	19-18.1	155-14.9	8.0*	1.6	13	185	5.8	0.13	0.9		0.13	C
23	0	57	28.0	19-18.3	155-23.6	3.7	1.5	13	115	3.6	0.09	1.0	1.5	0.19	B
23	1	12	1.0	19-16.5	155-14.5	8.0*		10	251	7.7	0.30	1.7		0.11	D
23	1	40	15.9	19-17.7	155-13.6	8.0*	1.7	10	236	8.1	0.37	2.3		0.19	D
23	1	57	10.4	19-17.6	155-14.9	9.8	1.7	14	229	6.4	0.19	1.0	1.7	0.09	C
23	2	4	6.8	19-16.9	155-14.6	13.5		9	245	7.3	0.11	0.8	0.3	0.04	C
23	2	10	24.3	19-20.3	155-19.5	5.9	1.4	12	109	3.7	0.18	0.5	1.4	0.08	A
23	2	19	53.1	19-19.4	155-10.1	8.0*	1.7	13	201	5.0	0.10	0.7		0.08	C
23	3	34	27.4	19-16.5	155- 7.1	8.0*	1.5	14	229	9.6	0.24	1.7		0.18	D
23	3	37	37.8	19-23.4	155-26.9?	7.3	1.8	15	159	8.7	0.15	0.8	0.9	0.13	C
23	4	2	17.9	18-54.4	155-13.1	12.4	2.1	17	298	38.0	0.39	7.6	15.6	0.18	D
23	4	8	34.1	18-47.4	155-16.8?	0.0	3.1	25	270	45.2	0.35	3.0	1.1	0.14	D
23	4	12	16.5	18-56.4	155-18.8	10.1	2.4	20	280	29.0	0.84	4.7	3.0	0.18	D
23	4	47	31.9	19-17.5	155-13.4	8.0*	2.2	21	164	8.5	0.05	0.4		0.08	C
23	4	54	53.4	19-17.6	155-13.4	8.0*	1.7	20	163	8.4	0.05	0.4		0.09	C
23	5	47	23.9	19-24.7	155-16.8?	1.7	0.4	8	97	0.5	0.09	0.6	0.4	0.12	B
23	5	59	28.9	18-52.7	155-21.2	9.5	2.6	16	256	33.2	0.54	3.4	3.1	0.19	D
23	6	45	18.5	19-18.0	155-13.3	8.8	2.0	20	159	8.2	0.05	0.4	1.2	0.09	B
23	6	52	38.9	19-16.0	155-21.4	8.0*	1.8	19	146	6.1	0.10	0.9		0.18	C
23	6	59	10.1	19-20.3	155-19.7	2.9	1.5	10	113	4.0	0.15	0.4	3.0	0.07	B
23	7	55	12.8	19-19.4	155-11.7	8.0*		13	170	5.8	0.08	0.6		0.09	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 23	7	56	54.4	19-18.0	155-21.2?	6.9	1.7	8	227	4.6	0.83	2.3	5.5	0.10	D
23	8	27	3.8	19-20.6	155- 7.2	8.0*		12	158	5.4	0.06	0.6		0.07	C
23	8	27	54.3	19-17.3	155-15.0	8.0*		14	187	6.6	0.11	0.8		0.12	C
23	9	11	8.4	19-13.9	155-19.5	4.0	2.5	22	172	7.6	0.16	0.9	1.0	0.21	C
23	9	34	11.6	19-18.4	155- 1.7?	9.4		13	238	3.6	0.30	3.0	1.6	0.24	D
23	9	38	30.2	19-15.1	155-22.3?	0.0		17	174	8.1	0.55	1.0	1.1	0.21	C
23	9	39	41.0	19-13.1	155- 9.9	8.0*	2.0	16	213	16.6	0.17	1.0		0.14	C
23	9	52	53.1	19-15.1	155-49.5	8.7		11	314	21.8	0.32	3.3	2.3	0.11	D
23	10	56	36.2	19-18.9	155-13.4	8.8	1.8	16	175	6.7	0.08	0.6	0.9	0.09	C
23	11	33	51.7	19-14.7	155-19.5	8.4	2.4	18	159	6.1	0.11	0.8	1.5	0.15	C
23	11	35	29.4	19-14.3	155-19.4	8.0*	1.9	18	169	7.0	0.21	1.6		0.23	C
23	11	52	14.2	19-14.2	155-18.8	8.0*		16	194	6.9	0.14	1.0		0.13	C
23	12	17	40.1	19-19.4	155-11.2	8.0*	1.9	16	169	5.3	0.06	0.5		0.08	C
23	13	40	25.1	19-20.5	155- 4.0?	6.5		8	148	2.2	0.55	4.2	3.0	0.22	C
23	13	54	44.8	19-14.5	155-10.5	8.0*		13	241	14.1	0.22	1.4		0.12	D
23	14	11	11.8	19-11.9	155-18.4	6.4	2.2	18	177	11.2	0.14	0.8	0.7	0.16	C
23	14	45	19.6	19-22.6	155- 6.8?	0.0	1.8	12	130	8.3	8.48	1.0	15.2	0.19	C
23	15	14	23.5	19-15.9	155-21.5	8.0*		14	162	6.3	0.08	0.7		0.10	C
23	15	32	25.5	19-22.3	155-24.9	6.2	2.1	18	67	4.8	0.07	0.6	0.6	0.14	B
23	15	33	50.7	19-16.2	155-22.4	0.3*		14	154	7.5	0.12	0.9		0.20	C
23	15	46	11.1	19-15.1	155-20.2	8.1	1.8	19	159	6.0	0.08	0.7	1.6	0.13	C
23	16	32	15.9	19-11.8	155-16.1	2.7	2.0	18	201	12.2	0.30	1.5	2.1	0.24	C
23	17	0	38.5	19-14.2	155-20.9?	0.0	1.9	20	158	11.0	5.07	0.7	9.6	0.17	C
23	17	37	24.9	19-13.0	155-19.3	8.0*		12	202	9.2	0.16	1.2		0.11	C
23	18	2	7.3	19-14.1	155-20.6?	2.5	2.4	22	159	11.4	0.34	0.6	1.2	0.17	C
23	18	9	58.6	19-14.4	155-20.6	7.7	1.8	20	158	7.4	0.11	0.8	0.6	0.13	C
23	18	12	3.8	19-14.7	155-21.2?	0.0		16	184	10.1	5.44	0.9	10.3	0.16	C
23	18	29	45.6	19-14.6	155-20.0	5.2	1.9	19	164	6.6	0.11	0.7	0.7	0.14	C
23	18	51	28.0	19-18.3	155-13.8	8.0*	1.7	14	192	7.1	0.08	0.6		0.08	C
23	19	13	23.6	19-16.8	155-13.0	1.0	2.6	23	171	9.8	0.33	0.8	1.1	0.23	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 23	19	21	45.4	19- 0.1	155-18.3	31.5		15	242	32.9	0.43	2.4	4.5	0.12	C
23	20	12	35.9	19-15.9	155-21.0	8.0*	1.7	18	166	5.7	0.10	0.9		0.15	C
23	20	14	52.5	19- 8.5	155-18.3	8.0*		11	283	17.4	0.73	3.8		0.12	D
23	20	19	24.2	19-15.4	155-20.8	0.7		16	172	6.1	0.47	1.0	0.9	0.18	C
23	20	21	46.8	19-11.0	155-18.0	2.7	2.4	21	182	12.9	0.13	0.7	0.8	0.14	C
23	20	29	17.6	19-13.9	155-20.1	1.6	3.1	20	224	8.0	0.42	1.4	1.1	0.21	C
23	20	30	53.4	19-14.3	155-20.4	1.4	2.9	17	220	7.5	0.48	1.4	1.5	0.17	C
23	20	43	45.9	19-23.2	155-14.4	4.6	1.2	12	102	2.7	0.16	0.6	1.5	0.10	B
23	21	18	22.5	19-18.3	155-14.0	5.9		16	214	7.9	0.17	1.0	0.7	0.15	C
23	21	27	51.6	19-18.5	155-14.3	8.0*		14	185	6.2	0.09	0.6		0.10	C
23	21	41	1.9	19-10.8	155-17.9	1.3	2.7	23	183	13.2	1.13	0.9	3.9	0.19	C
23	21	51	4.4	19-19.5	155-13.5	7.9		18	170	5.7	0.08	0.6	0.4	0.10	C
23	21	54	22.1	19-18.2	155-13.4	8.0*		10	227	7.9	0.23	1.4		0.12	D
23	21	57	41.6	19-37.3	155-44.7?	8.0*	2.5	15	258	34.9	5.58	0.0		7.67	D
23	21	59	46.4	19-10.9	155-20.1?	0.0		18	197	13.3	0.50	1.1	0.9	0.20	C
23	22	2	18.8	18-51.3	155-19.6	15.2*	4.0	27	258	36.6	0.24	1.6		0.16	D
23	22	52	8.2	19-19.9	155-15.4	9.2		10	227	3.6	0.16	0.8	1.1	0.04	C
23	22	55	41.7	19-18.0	155-14.1	9.2		12	252	6.9	0.48	2.2	3.0	0.10	C
23	23	32	22.7	19-15.5	155-19.7	8.0*		14	204	4.9	0.11	1.0		0.11	C
23	23	54	8.8	19-15.8	155-22.?	4.2	1.8	16	144	7.5	0.09	0.8	1.2	0.17	B
24	0	20	11.0	19-14.5	155-19.1	5.2	2.0	23	161	6.5	0.12	0.8	0.8	0.18	C
24	0	24	49.2	19-16.5	155-21.5	0.7		16	159	5.6	0.48	0.8	0.9	0.18	C
24	0	30	1.8	19-20.1	155-19.6	4.1		11	114	3.9	0.18	0.5	2.4	0.07	B
24	0	52	53.5	19-14.5	155-18.9	4.8		17	198	6.4	0.19	1.1	0.9	0.17	C
24	1	26	46.3	19-15.0	155-19.2?	0.0	2.5	20	230	5.6	0.93	3.6	1.9	0.42	D
24	1	31	20.5	19-10.5	155-19.8?	0.0	2.1	15	247	14.0	6.55	2.1	12.0	0.17	D
24	1	34	8.1	19-16.1	155-21.3	8.0*	1.8	14	212	5.8	0.18	1.4		0.15	C
24	1	59	39.4	18-48.3	155-17.2	8.0*	2.3	13	279	44.4	0.73	4.8		0.14	D
24	2	5	37.1	19-10.9	155-20.2	0.4	2.5	25	176	13.3	0.32	0.7	0.6	0.18	C
24	2	8	56.2	19-15.6	155-21.4	8.0*	1.8	14	219	6.5	0.18	1.4		0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 24	2	14	29.6	19-18.9	155-10.0	4.0	1.8	17	179	5.9	0.17	1.0	1.0	0.21	C
24	2	46	19.8	19-21.6	155-23.9	6.7		12	110	2.8	0.10	1.0	1.2	0.18	B
24	2	57	28.3	19-18.4	155-13.4	6.2	1.7	21	180	7.6	0.11	0.7	0.6	0.16	C
24	3	14	25.7	18-53.5	155-12.4	6.2	2.4	19	263	40.2	1.84	3.0	10.6	0.14	D
24	4	3	5.6	19-19.5	155-13.3	8.0*		10	201	7.0	0.11	0.8		0.09	C
24	4	19	2.6	19-17.4	155-20.0	5.3		13	196	2.6	0.21	1.2	1.2	0.17	C
24	4	30	50.0	19-14.6	155-11.0	8.0*		12	196	14.7	0.14	0.9		0.12	C
24	4	54	22.8	19-17.9	155-21.3	8.0*		7	234	4.7	0.08	0.5		0.03	D
24	6	1	34.3	19-25.8	155-16.2	2.0	1.1	10	136	1.1	0.05	0.3	0.2	0.06	B
24	6	18	24.8	18-46.1	155-16.8	8.0*	2.3	17	273	46.9	0.57	3.7		0.16	D
24	6	36	1.2	19-10.4	155-17.9	1.2	1.9	17	207	14.0	1.60	1.3	5.5	0.19	C
24	6	56	21.3	18-49.5	155-17.5	2.3		18	270	41.2	1.28	3.0	8.0	0.13	D
24	7	6	10.9	19-11.4	155-20.5	2.7		12	215	13.4	0.18	1.0	1.0	0.11	C
24	7	8	19.0	19-23.1	155-14.3	3.6	1.3	10	112	2.9	0.07	0.3	0.9	0.05	A
24	7	20	38.2	19-10.4	155-16.5	8.0*		13	236	14.4	0.33	2.0		0.16	D
24	7	35	20.6	18-44.5	155-17.1	8.0*		9	302	48.1	1.57	9.9		0.15	D
24	7	42	36.9	19-22.3	155-23.7?	7.4	1.5	19	112	3.9	0.08	0.6	0.6	0.17	B
24	7	45	0.1	19-23.3	155-14.5	2.0*		9	107	2.6	0.06	0.4		0.08	B
24	8	0	56.8	18-46.6	155-17.7	18.0*	3.9	24	271	45.3	0.26	1.7		0.16	D
24	8	7	46.2	19-23.3	155-14.8	5.0	1.6	14	103	2.6	0.11	0.5	1.1	0.11	B
24	8	8	31.7	19-23.2	155-14.8	3.2	2.4	17	104	2.5	0.05	0.4	0.7	0.12	B
24	8	9	38.2	18-51.9	155-18.4	13.7*	3.0	23	256	36.5	0.35	2.4		0.19	D
24	8	17	17.0	19-10.5	155-18.5?	0.0		17	182	13.8	4.80	0.9	9.0	0.17	C
24	8	22	1.1	19-21.7	155-18.9	2.0*	1.1	8	110	3.9	0.05	0.4		0.08	B
24	8	31	30.4	19-14.6	155- 7.1	20.2*		7	321	20.6	1.15	8.3		0.10	D
24	8	39	46.5	19- 9.8	155-20.1	8.0*		12	248	13.7	0.45	2.9		0.19	D
24	8	48	16.5	19-26.1	155-18.9	1.8*		8	152	4.0	0.22	1.5		0.25	C
24	11	21	42.3	19-24.6	155-16.9?	1.8	0.4	8	71	0.7	0.10	0.7	0.5	0.14	B
24	11	43	40.0	19-19.7	155-13.3?	8.2	1.6	19	145	5.1	0.06	0.5	0.3	0.11	B
24	12	7	27.7	19-12.4	155-21.3?	0.0	1.6	15	178	11.3	6.39	1.1	12.0	0.21	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 24	12	9	17.1	19-24.1	155-16.1	2.9	0.5	6	106	2.0	0.04	0.1	0.6	0.01	B
24	12	20	12.9	19-15.4	155-22.3	3.7		13	169	8.0	0.11	0.9	1.5	0.17	C
24	12	54	41.8	19-14.6	155-21.5	1.5	1.8	20	155	8.0	1.37	0.8	5.0	0.17	C
24	12	55	20.3	19-14.6	155-21.8?	0.0	1.6	15	154	8.3	6.25	1.0	11.8	0.21	C
24	12	59	45.1	19-14.4	155-15.2?	0.0	1.5	14	236	11.1	8.49	2.2	15.5	0.21	D
24	13	30	4.6	19-24.1	155-15.9	2.4		6	113	2.2	0.07	0.2	1.9	0.02	B
24	14	29	39.9	19-24.1	155-15.8	2.0	0.6	6	117	2.5	0.01	0.1	0.1	0.01	B
24	14	52	55.7	19-14.7	155-21.3?	0.0	1.7	15	157	7.7	6.44	0.9	12.3	0.20	C
24	15	9	58.2	19-20.4	155-19.2	4.3	1.9	21	69	3.1	0.04	0.3	0.4	0.11	B
24	15	20	39.3	19-21.7	155-25.4	4.5	1.6	14	116	4.6	0.12	0.9	1.3	0.20	B
24	15	47	20.9	19-20.3	155-19.5	5.4	0.7	12	109	3.7	0.09	0.5	0.6	0.09	A
24	16	2	53.6	19-24.1	155-16.0	1.8	0.7	7	107	2.2	0.10	0.5	0.4	0.07	B
24	16	3	34.5	19-24.2	155-16.1?	2.3	0.7	7	99	2.0	0.06	0.3	0.4	0.06	B
24	16	11	11.7	19-10.5	155-20.1?	0.0	3.9	21	178	13.8	4.37	1.1	8.1	0.21	C
24	16	13	47.9	19-12.9	155-22.1	8.1	2.8	14	162	10.4	0.10	0.7	0.5	0.10	B
24	16	15	13.8	19-11.8	155-21.1	4.6	2.2	21	169	12.2	0.14	0.8	0.8	0.18	C
24	16	27	8.8	19-10.9	155-20.3?	0.0	2.0	20	176	13.3	4.76	0.9	8.9	0.16	C
24	16	35	35.8	19-11.3	155-20.1?	0.0	2.0	15	175	12.6	5.25	1.0	9.9	0.18	C
24	16	46	35.0	19-23.5	155-17.0	16.1	1.7	18	61	0.2	0.05	0.5	0.6	0.07	A
24	16	52	49.5	19-11.7	155-22.6	7.7	0.7	13	180	10.1	0.16	1.2	1.0	0.17	C
24	16	55	35.3	19-23.1	155-14.5	2.0		9	111	2.8	0.08	0.3	0.3	0.08	A
24	17	11	50.9	19-11.7	155-20.5	8.0*		13	211	11.9	0.21	1.7		0.19	C
24	17	35	51.2	19-11.1	155-20.3?	0.0	2.2	19	175	13.6	4.48	0.9	8.4	0.16	C
24	17	38	10.9	19-10.9	155-20.4?	0.0	4.1	23	175	13.4	4.56	1.0	8.5	0.21	C
24	17	43	6.8	19-13.3	155-20.7	8.0*	1.3	8	214	9.3	0.20	1.6		0.13	C
24	17	56	19.4	19-11.1	155-19.9	2.2	2.9	22	176	12.8	0.17	0.9	1.0	0.19	C
24	18	16	34.2	19-19.9	155- 9.1	7.7	2.1	18	168	4.2	0.09	0.7	0.5	0.13	C
24	18	25	57.9	19-11.5	155-20.9?	0.0	2.0	14	189	12.6	6.47	1.3	12.1	0.21	C
24	18	35	41.8	19-12.3	155-21.7?	7.9	0.6	11	196	11.6	0.24	1.5	2.0	0.18	C
24	19	9	18.0	19-14.9	155-21.8?	0.0	1.9	19	153	9.0	3.89	0.7	7.3	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 24	19	46	50.2	19-11.6	155-22.0	6.7	2.2	18	175	11.0	0.15	1.1	0.8	0.18	C
24	19	51	40.5	19-13.4	155-22.8?	0.0	1.9	13	176	8.8	6.66	1.1	12.7	0.20	C
24	19	54	42.8	19-10.7	155-20.4?	0.0	3.3	23	177	13.2	4.67	1.0	8.7	0.21	C
24	20	5	4.2	19-10.4	155-20.5	2.8		13	197	13.0	0.19	1.1	1.3	0.14	C
24	20	21	58.4	19-15.2	155-21.5	0.7*	1.8	16	152	9.4	0.08	0.7		0.14	C
24	20	31	35.1	19-11.1	155-20.7	4.4	1.9	18	174	12.9	0.15	0.9	0.8	0.16	C
24	20	47	30.3	19-10.7	155-17.7	2.4	3.3	25	184	13.5	0.15	0.8	0.8	0.17	C
24	20	51	15.1	19-19.3	155-12.8	7.2	1.6	20	150	5.8	0.11	0.8	0.6	0.15	C
24	20	53	37.6	19-16.3	155-22.6	0.3*	1.7	16	137	7.2	0.08	0.7		0.17	C
24	21	0	12.0	19-12.5	155-21.1?	0.0	1.8	21	166	10.9	5.63	0.9	10.6	0.20	C
24	21	35	34.1	19-24.0	155-15.8	1.6		7	120	2.3	0.09	0.5	0.5	0.08	B
24	21	36	2.5	19-12.4	155-21.3	0.7*	2.2	20	166	11.3	0.10	0.7		0.15	C
24	21	38	22.7	19-12.6	155-21.1	0.4*	1.9	18	166	10.8	0.10	0.7		0.15	C
24	22	29	59.5	19-25.3	155-16.9	2.7	0.5	7	163	0.8	0.15	0.6	1.1	0.06	B
24	22	39	7.6	19-10.9	155-17.7?	2.1	2.?	13	205	13.1	0.18	0.9	1.0	0.12	C
24	22	40	7.2	19-10.4	155-21.6	1.6	1.9	17	175	11.2	1.57	1.1	5.5	0.22	C
24	23	4	30.9	19-24.0	155-15.7	1.7	0.8	9	69	2.5	0.04	0.2	0.2	0.06	A
24	23	20	55.1	19-16.8	155-22.9	3.8	1.7	15	132	6.4	0.10	0.9	1.5	0.19	B
25	0	10	36.9	19-10.0	155-15.8	13.9*	2.1	18	217	15.6	0.26	1.9		0.19	C
25	0	11	14.5	19-11.1	155-20.3?	0.0	2.3	22	175	13.0	4.49	0.9	8.4	0.17	C
25	0	59	42.8	19-11.4	155-21.4	4.9		16	193	11.9	0.14	0.9	0.6	0.12	C
25	1	7	45.0	19-12.2	155-21.2	5.0	2.0	17	181	11.6	0.22	1.3	1.1	0.23	C
25	1	11	38.6	19-15.2	155-21.8	0.7*	1.7	16	150	7.5	0.11	0.8		0.16	C
25	1	12	60.0	19-15.3	155-22.0	3.7	1.7	19	148	7.8	0.09	0.8	1.1	0.15	B
25	1	13	39.5	19-12.5	155-21.3	6.2	2.3	21	165	11.1	0.14	0.9	0.8	0.19	C
25	1	20	5.9	19-22.3	155-18.0	2.3*	0.4	10	79	2.8	0.04	0.3		0.06	B
25	1	23	12.7	19-20.5	155-19.3	5.1	0.9	12	74	3.3	0.13	0.4	1.5	0.08	A
25	1	24	10.1	19-11.1	155-20.3	0.3*	0.7	13	216	13.0	0.16	0.9		0.11	C
25	1	26	41.9	19-20.1	155- 9.9	8.8	1.5	12	165	3.7	0.08	0.6	1.2	0.08	B
25	1	40	33.3	19-11.1	155-20.7?	0.0	2.7	22	174	12.9	4.17	0.8	7.8	0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 25	3	4	38.0	19-10.8	155-20.8?	0.0	2.4	24	175	12.7	3.54	0.8	6.6	0.17	C
25	3	15	4.4	19-10.6	155-21.0?	0.0	2.0	21	175	12.2	6.14	1.0	11.5	0.19	C
25	3	22	49.9	19-14.6	155-21.6	0.5*	0.5	8	173	8.0	0.14	1.1		0.15	C
25	4	46	16.3	18-53.8	155-19.4	11.5*	2.5	15	254	32.6	0.35	2.5		0.14	D
25	4	49	17.2	19-21.9	155-18.3	4.7	1.5	14	73	3.6	0.09	0.3	1.1	0.10	A
25	5	0	39.9	19-13.1	155-21.6	2.1	2.8	22	162	13.5	0.15	1.0	1.3	0.21	C
25	5	16	1.7	19-13.7	155-22.2	8.0*	0.6	12	177	9.3	0.15	1.3		0.18	C
25	5	39	30.1	19- 9.4	155-15.1	9.6	1.8	20	198	16.8	0.11	0.7	1.1	0.08	C
25	6	11	46.3	19-15.7	155-22.1	5.5	1.8	16	144	7.4	0.08	0.7	0.7	0.16	B
25	6	54	14.4	19-20.4	155-19.5	4.8	1.4	11	106	3.7	0.14	0.4	1.5	0.06	A
25	8	4	46.6	18-53.8	155-19.3	10.3	2.5	15	267	32.8	0.69	3.5	3.0	0.13	D
25	8	43	22.0	19-23.4	155-14.9	2.8		9	102	2.5	0.12	0.4	2.2	0.07	B
25	8	46	11.4	19-16.7	155-22.2	5.4	1.7	19	137	6.7	0.10	0.9	0.8	0.21	C
25	8	51	22.6	19-24.1	155-15.9	1.9	0.7	7	113	2.3	0.03	0.2	0.2	0.04	B
25	10	9	2.6	19-12.4	155-20.8	0.5*		14	200	11.0	0.29	1.7		0.28	D
25	10	11	57.1	19-14.8	155-20.4?	12.6*		9	303	6.6	1.17	7.1		0.16	D
25	10	24	38.8	19-11.6	155-20.3?	0.0	2.8	19	198	12.1	4.60	1.0	8.6	0.16	C
25	10	34	11.8	19- 7.7	155-13.0?	0.1	3.0	18	236	21.4	8.97	2.4	16.3	0.22	D
25	10	36	20.5	19- 9.8	155-21.4	8.0*		10	243	11.3	0.29	1.9		0.12	D
25	10	37	24.6	19- 9.0	155-15.5	8.9		12	225	17.5	0.18	1.1	2.1	0.08	C
25	10	39	13.1	19- 8.8	155-15.0	8.0	2.7	18	227	18.1	0.12	0.8	0.9	0.08	C
25	11	1	12.0	19-10.5	155-19.9	0.3*		12	225	14.0	0.24	1.3		0.16	C
25	11	1	54.2	19-14.6	155-22.1	4.3		13	179	8.7	0.11	0.8	1.0	0.15	C
25	11	3	53.2	19-10.2	155-20.9	5.9	2.3	16	204	12.3	0.21	1.3	1.0	0.17	C
25	11	11	17.6	19-15.0	155-21.7	4.0	1.9	15	169	7.7	0.12	1.0	1.2	0.19	C
25	11	15	18.9	19-14.5	155-21.3	2.8	2.8	17	156	10.0	0.13	0.9	1.3	0.17	C
25	11	19	24.5	19-15.1	155-19.8	9.2	1.8	18	157	5.6	0.08	0.7	1.7	0.14	C
25	12	8	48.7	18-52.4	155-22.8	10.1		11	280	32.4	0.56	3.1	2.2	0.08	D
25	12	15	18.3	19-13.8	155-21.2?	0.0	2.9	21	159	9.0	4.47	0.7	8.4	0.16	C
25	12	25	39.1	19-14.8	155-21.8	0.4*	1.8	11	183	8.0	0.13	1.0		0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 25	12	34	16.6	19-12.4	155-25.9	8.0*	2.7	3	176	6.3		0.0		0.00	D
25	13	4	48.0	19-15.2	155-21.4	5.0	2.4	21	152	7.1	0.09	0.7	0.7	0.16	C
25	13	18	34.3	19-16.3	155-21.9	7.4	2.2	16	146	6.4	0.12	1.0	0.6	0.14	C
25	13	31	17.0	19-15.4	155-22.2	4.0	1.7	17	146	7.9	0.08	0.7	1.1	0.16	B
25	13	32	39.6	19-15.5	155-22.0	5.1	1.7	12	170	7.5	0.11	0.9	0.9	0.16	C
25	13	33	59.5	19-15.8	155-22.1	8.0*	1.8	11	144	7.3	0.15	1.5		0.26	C
25	14	4	42.4	19-15.0	155-21.6	4.5	2.0	15	228	7.5	0.20	1.1	0.9	0.12	C
25	14	16	24.3	19-27.1	154-53.6	5.6		13	224	3.3	0.21	1.6	0.8	0.13	C
25	14	54	23.1	19-23.8	155-15.3	4.1	1.7	13	84	2.4	0.11	0.5	1.2	0.12	B
25	14	55	12.2	19-23.9	155-15.3	3.1	1.3	11	88	2.2	0.10	0.5	1.9	0.11	B
25	15	3	35.3	19-12.9	155- 5.5	5.2	2.2	15	225	13.8	0.28	1.3	1.1	0.12	C
25	15	31	23.8	19-14.6	155-24.3	8.0*	1.9	11	139	5.4	0.10	1.1		0.16	C
25	15	35	27.3	19-18.8	155-15.2	9.1		12	197	4.5	0.12	0.7	1.2	0.08	B
25	16	47	10.0	19-20.4	155-12.0	9.5		11	196	3.8	0.15	0.8	1.5	0.07	B
25	17	24	0.5	19- 7.9	155-15.0	5.7	2.5	22	205	19.7	0.28	1.0	1.4	0.13	C
25	17	29	36.3	19- 9.0	155-15.1	9.2	2.5	20	226	17.7	0.15	0.9	1.7	0.10	C
25	17	36	10.2	19-10.2	155-15.2	9.7	2.2	18	233	15.6	0.22	1.3	1.3	0.12	C
25	17	38	21.9	19-19.6	155-13.6	8.0*		13	187	5.5	0.12	0.9		0.14	C
25	17	38	50.4	19-17.3	155-22.3	8.0*		11	179	5.6	0.07	0.7		0.08	C
25	17	41	53.8	19-16.3	155-22.2	0.6*		10	207	7.0	0.15	0.9		0.13	C
25	17	43	26.7	19-15.5	155-22.4	4.2		12	166	7.7	0.12	0.9	1.7	0.17	C
25	17	48	53.3	19-15.5	155-22.5	4.6		11	165	7.6	0.13	1.2	1.8	0.18	C
25	18	1	27.9	19-11.4	155-27.4?	0.0		9	239	17.7	3.72	4.7	25.4	0.32	D
25	18	14	26.7	19-14.8	155-22.8	0.8*	1.8	12	172	9.3	0.11	0.9		0.15	C
25	18	22	37.4	19-15.7	155-22.4	8.0*		12	162	7.6	0.04	0.4		0.05	C
25	18	25	26.8	19-24.1	155-15.7	0.6*		5	118	2.5	0.04	0.2		0.03	C
25	18	26	45.9	19-14.9	155-22.2	8.0*		8	178	8.4	0.17	1.5		0.15	C
25	18	28	21.1	19-15.3	155-21.7	1.1		11	176	7.4	2.34	0.9	8.8	0.10	C
25	18	31	50.9	19-15.6	155-19.9?	6.9		16	175	4.8	0.11	0.8	0.5	0.13	C
25	18	47	0.3	19-11.1	155-20.9?	0.0	2.1	16	173	12.5	5.98	1.1	11.2	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 25	18	56	9.1	19-15.6	155-21.8	5.2		15	163	7.0	0.10	0.9	1.0	0.17	C
25	19	11	57.9	19-20.4	155-19.4	5.3	2.1	13	76	3.5	0.14	0.4	1.5	0.08	A
25	19	40	40.3	19-15.6	155-22.1	5.6	1.8	17	168	7.5	0.09	0.8	0.7	0.16	C
25	20	7	34.2	19-13.4	155-21.5	1.3	1.9	19	160	9.9	1.92	0.9	7.0	0.16	C
25	20	25	12.4	19-25.9	155-24.9	8.0*	1.6	13	163	7.7	0.07	0.5		0.10	C
25	20	35	20.4	19-25.4	155-24.1	8.0*	1.7	13	197	7.1	0.15	1.0		0.12	C
25	20	42	27.0	19-18.6	155-16.6	10.6		7	243	3.2	0.04	0.2	0.3	0.01	C
25	20	46	7.6	19-11.4	155-20.8	8.0*	1.7	14	210	12.7	0.15	1.1		0.12	C
25	20	54	41.8	19-14.9	155-22.4	8.0*		7	175	8.0	0.06	0.7		0.07	C
25	21	0	39.2	19-13.7	155-21.8?	0.0	1.7	17	158	9.7	5.61	1.0	10.6	0.21	C
25	21	7	46.2	19-14.3	155-22.0	3.1		8	183	9.0	0.15	1.5	2.1	0.13	C
25	21	9	37.7	19-14.4	155-21.8	0.5*	1.7	18	156	8.6	0.10	0.7		0.15	C
25	21	35	24.1	19-17.4	155-22.4	4.6		11	175	5.4	0.14	0.9	1.3	0.14	C
25	21	36	8.8	19-22.6	155-17.4	13.4		12	83	1.6	0.06	0.7	0.5	0.09	B
25	22	33	12.5	19-15.3	155-21.9?	0.1*		16	175	7.7	0.12	0.8		0.17	C
25	22	39	25.4	19-15.3	155-22.1	0.1*		13	172	7.9	0.12	0.8		0.17	C
25	22	55	30.9	19-19.8	155-11.9	7.8		12	213	5.1	0.27	1.5	3.0	0.10	C
25	23	11	53.3	19-10.6	155-21.2	6.4		13	293	14.3	0.79	3.6	1.0	0.12	D
25	23	23	37.8	19-12.7	155-20.1	4.6		13	206	10.1	0.21	1.3	1.1	0.15	C
26	0	12	53.6	19-21.3	155-18.9	4.0		12	80	3.4	0.12	0.4	2.2	0.09	B
26	1	14	0.8	19-13.9	155-20.9	1.1	4.1	24	159	8.5	1.03	0.8	3.7	0.20	C
26	1	19	46.7	19-15.0	155-22.4	2.9	1.8	19	148	7.9	0.11	0.8	1.5	0.18	B
26	1	21	28.6	19-14.9	155-22.6	0.7*		13	218	7.6	0.23	1.3		0.20	C
26	1	22	38.8	19-13.6	155-21.9?	0.0	2.0	19	183	9.8	6.30	1.2	11.8	0.22	C
26	1	26	37.9	19-13.2	155-21.1?	0.0	2.3	19	162	9.8	7.18	1.1	13.6	0.24	C
26	1	29	26.1	19-13.5	155-21.1	0.9	2.5	20	171	9.4	1.42	0.9	5.1	0.19	C
26	1	30	4.9	19-17.6	155-23.9	4.8	2.3	9	175	12.4	0.14	1.7	1.3	0.12	C
26	1	35	50.1	19-14.5	155-21.7?	0.0	2.3	15	157	8.4	6.92	1.0	13.1	0.17	C
26	1	43	30.6	19-14.0	155-22.1?	0.0	2.0	16	156	9.1	5.18	0.9	9.8	0.19	C
26	1	47	31.9	19-14.0	155-22.2?	0.0	1.7	20	156	9.0	4.52	0.7	8.6	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	1	48	27.9	19-14.1	155-21.2?	0.0	1.7	15	188	8.5	5.73	1.0	10.9	0.16	C
26	1	49	46.5	19-13.9	155-22.0	8.0*	1.7	13	160	9.5	0.13	1.0		0.17	C
26	1	49	54.3	19-14.0	155-21.8	8.0*		11	197	11.7	0.11	1.1		0.10	C
26	1	53	36.1	19-11.7	155-34.3	4.4	1.5	12	210	7.8	0.21	1.5	1.0	0.16	C
26	1	56	9.7	19-14.8	155-22.1	7.4	2.5	18	163	8.4	0.07	0.7	0.4	0.13	C
26	2	3	4.9	19-12.5	155-21.0	8.0*		11	219	10.9	0.19	1.7		0.12	C
26	2	10	19.8	19-25.1	155-23.8	8.0*		8	191	7.1	0.16	1.1		0.11	C
26	2	10	55.1	19-15.3	155-22.7?	0.0		16	164	8.7	5.58	0.9	10.6	0.18	C
26	2	11	49.6	19-15.6	155-21.4	8.0*		13	177	6.5	0.10	1.0		0.13	C
26	2	12	40.2	19-15.2	155-22.6?	0.0		14	167	7.4	5.79	0.9	11.0	0.18	C
26	2	22	37.9	19-14.8	155-21.8?	0.0	1.9	18	170	8.1	5.92	0.9	11.3	0.19	C
26	2	37	29.3	19-14.0	155-21.4?	0.0	3.4	22	173	8.7	3.09	0.7	5.8	0.15	C
26	2	41	25.9	19-15.0	155-21.6	0.5*		13	180	7.5	0.14	0.9		0.17	C
26	2	46	22.8	19-19.0	155-13.6	8.0*		14	217	6.6	0.12	0.7		0.09	C
26	2	47	18.8	19-14.2	155-21.6?	0.0	2.1	16	177	8.7	5.13	0.8	9.8	0.15	C
26	2	54	38.2	19-13.9	155-21.6?	0.0	3.0	20	173	9.2	3.86	0.8	7.3	0.18	C
26	2	58	29.1	19-15.2	155-22.5?	0.0		14	169	7.6	5.29	0.8	10.1	0.16	C
26	2	59	19.8	19-13.9	155-21.9?	0.0	2.4	19	168	9.3	4.19	0.9	7.9	0.16	C
26	3	4	49.6	19-15.0	155-22.4	4.3	2.3	19	160	8.0	0.12	0.9	1.1	0.20	C
26	3	6	48.6	19-15.3	155-21.8?	0.0	1.7	17	176	7.3	6.07	0.9	11.6	0.19	C
26	3	37	37.9	19-14.9	155-21.5?	0.0		17	180	7.5	6.18	1.0	11.8	0.19	C
26	3	51	33.0	19-15.3	155-22.8	4.6	1.7	16	144	7.2	0.09	0.8	0.9	0.17	B
26	3	55	6.6	19-19.7	155-14.0	8.0*		12	205	5.6	0.11	0.7		0.09	C
26	3	56	11.9	19-15.1	155-22.2	3.9		16	174	8.2	0.12	1.0	1.6	0.20	C
26	4	12	36.2	19-14.5	155-22.5?	0.0	1.7	14	178	8.2	6.57	1.1	12.5	0.23	C
26	4	22	52.8	19-14.8	155-22.1?	0.0	1.7	18	178	8.5	5.71	0.9	10.8	0.20	C
26	4	24	42.0	19-14.1	155-22.4?	0.0	1.7	19	156	8.7	4.91	0.9	9.3	0.20	C
26	4	26	38.9	19-14.6	155-22.4	8.0*		14	178	8.2	0.10	0.9		0.12	C
26	4	28	40.4	19-13.6	155-21.9?	0.0		18	183	9.9	7.61	1.2	14.4	0.25	C
26	4	35	56.3	19-13.5	155-22.1	8.0*	2.0	13	197	9.6	0.13	1.1		0.13	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	4	41	6.8	19-14.1	155-21.1?	0.0	1.8	17	202	8.3	6.42	1.2	12.2	0.19	C
26	4	56	34.0	19-16.3	155-21.8	5.0		10	210	6.4	0.21	1.3	1.1	0.15	C
26	5	13	58.3	19-15.3	155-21.7?	0.0		18	175	7.2	6.07	0.9	11.6	0.18	C
26	5	15	2.3	19-15.4	155-22.4	1.2	2.3	19	146	7.8	1.01	0.7	3.7	0.16	B
26	5	17	53.4	19-15.8	155-22.3	4.2		12	162	7.7	0.13	1.1	1.9	0.19	C
26	5	27	59.7	19-15.5	155-22.7	0.8*		15	163	7.3	0.11	0.8		0.17	C
26	5	30	25.9	19-14.7	155-21.6	8.0*		15	189	7.9	0.11	0.9		0.13	C
26	5	37	1.2	19-13.6	155-20.8?	0.0	2.2	22	161	8.9	4.30	0.8	8.1	0.20	C
26	5	38	29.6	19-13.3	155-21.3?	0.0	2.3	18	207	9.7	6.32	1.3	11.7	0.20	C
26	5	47	24.2	19-22.6	155-23.2?	0.8		13	142	4.4	2.18	0.9	8.1	0.20	C
26	5	48	21.3	19-13.7	155-21.9?	0.0		13	187	9.7	7.44	1.6	14.1	0.22	C
26	5	51	28.3	19-15.8	155-21.6	4.6		14	224	6.5	0.21	1.2	1.0	0.16	C
26	5	53	42.5	19-18.5	155-20.8?	2.7*		10	198	3.9	0.17	0.8		0.10	C
26	5	58	55.7	18-46.7	155-16.8	8.0*		12	283	46.4	0.68	4.4		0.12	D
26	5	59	38.6	19-14.6	155-21.5	6.9		14	183	8.1	0.15	1.3	0.8	0.20	C
26	6	9	43.2	19-16.1	155-21.9	0.5*		12	215	6.7	0.20	1.2		0.16	C
26	6	18	13.2	19-16.0	155-22.0	0.4*		9	217	6.9	0.23	1.4		0.15	C
26	6	33	31.0	19-15.5	155-22.8?	0.0		13	209	7.1	8.55	1.5	15.3	0.22	C
26	6	52	58.8	19-15.9	155-21.5	1.7	1.7	16	162	8.5	2.05	0.8	7.7	0.15	C
26	7	19	37.0	19-13.3	155-21.8?	0.0		16	160	10.3	7.09	1.2	13.3	0.21	C
26	7	49	38.1	19-18.6	155-14.9	9.3		12	206	5.2	0.21	1.0	1.8	0.08	C
26	7	50	3.9	19-14.0	155-21.1?	0.0	2.5	22	159	8.6	4.83	0.8	9.1	0.19	C
26	7	55	25.7	19-19.2	155-13.1	8.0*		12	211	6.1	0.12	0.8		0.09	C
26	7	56	12.8	19-14.9	155-21.8?	0.0	1.7	19	178	7.9	5.65	0.9	10.7	0.20	C
26	7	57	35.2	19-14.3	155-21.7?	0.3	2.2	22	155	8.6	4.15	0.8	7.8	0.22	C
26	8	5	43.5	19-15.1	155-21.4	3.0*	1.7	15	211	7.1	0.18	1.3		0.16	C
26	8	18	44.5	19-17.9	155-15.3	5.2	2.2	20	155	5.5	0.14	0.9	0.8	0.21	C
26	8	23	29.3	19-20.5	155-18.8	4.6	1.5	12	90	2.6	0.16	0.5	2.0	0.09	A
26	8	27	34.7	19-12.3	155-21.0?	0.0	1.8	18	186	11.2	5.30	0.9	10.0	0.17	C
26	8	39	52.3	19-14.8	155-21.4?	0.0	1.8	17	182	7.7	6.49	1.1	12.4	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	8	41	30.8	19-15.4	155-21.7	8.0*		12	209	7.2	0.17	1.3		0.14	C
26	8	42	20.5	19-14.8	155-21.2	8.0*		11	232	7.4	0.23	1.7		0.14	D
26	8	51	5.2	19-13.4	155-22.0?	0.0	1.9	19	160	9.9	5.33	0.8	10.1	0.17	C
26	8	55	13.0	19-13.7	155-21.9	2.6	2.7	20	162	9.7	0.12	0.8	0.9	0.17	C
26	9	36	44.0	19-10.8	155-21.5	8.0*		10	211	11.4	0.13	1.1		0.11	C
26	10	8	53.7	19-15.4	155-22.6	5.3	2.0	16	144	7.3	0.10	0.9	0.8	0.20	B
26	10	9	29.8	19-15.5	155-22.8	5.7	2.3	19	142	7.1	0.09	0.8	0.6	0.19	C
26	10	20	55.9	19-15.0	155-22.5?	0.0	1.8	18	148	7.8	5.72	0.8	10.8	0.19	C
26	10	45	10.8	19-20.3	155-12.9	9.6	1.6	10	189	4.1	0.28	1.3	2.5	0.11	C
26	10	58	18.9	19-11.7	155-20.8	0.5*		16	171	12.2	0.10	0.7		0.16	C
26	11	2	42.3	19-14.8	155-21.9	5.2		14	169	8.2	0.09	0.8	0.7	0.15	C
26	11	9	35.1	19-17.7	155-11.1?	0.0	2.3	20	169	8.4	6.00	0.9	11.4	0.24	C
26	11	16	33.9	19-13.5	155-20.9	2.5	2.8	23	161	9.2	0.15	0.9	1.0	0.20	C
26	11	24	6.2	19-10.9	155-20.1?	0.0	4.5	25	176	13.8	3.89	0.9	7.2	0.21	C
26	11	29	11.7	19-13.8	155-21.9	0.2	2.1	19	158	9.5	4.49	0.6	8.5	0.13	C
26	11	33	50.2	19-10.3	155-20.6?	0.0	2.6	23	178	12.8	4.25	1.0	7.9	0.20	C
26	11	34	50.1	19-14.0	155-19.0	2.9	2.5	19	164	7.4	0.25	1.5	2.3	0.29	D
26	11	40	16.6	19-15.4	155-22.6	2.9		16	144	7.4	0.10	0.8	1.3	0.16	B
26	11	45	17.8	19-12.1	155-21.3	0.5*	2.0	15	167	11.9	0.09	0.7		0.14	C
26	11	47	41.4	19-11.2	155-21.1	4.8	1.7	15	173	12.2	0.12	0.8	0.7	0.12	C
26	11	48	9.9	19-11.2	155-21.1	4.6	2.1	16	173	12.3	0.16	0.9	0.9	0.15	C
26	12	1	6.8	19-14.9	155-22.3	4.0		17	149	8.1	0.09	0.7	0.9	0.17	B
26	12	14	4.7	19-15.5	155-22.1	5.1	1.7	14	146	7.6	0.11	0.9	0.8	0.19	B
26	12	22	6.4	19-15.6	155-22.4	5.5	1.8	16	144	7.7	0.10	0.9	0.8	0.19	B
26	12	25	1.2	19-10.8	155-20.4	3.5	3.4	22	176	13.4	0.18	1.0	1.0	0.20	C
26	12	27	45.8	19-11.3	155-21.8	6.6	2.6	17	189	11.2	0.12	0.9	0.7	0.12	C
26	12	38	46.3	19-13.8	155-21.6	0.8		19	158	9.2	1.26	0.7	4.6	0.11	C
26	13	18	37.5	19-15.7	155-21.8	5.3	1.9	17	146	7.0	0.11	1.0	0.9	0.22	C
26	13	19	30.9	19-15.3	155-21.6	6.9	1.9	15	150	7.2	0.11	0.9	0.7	0.19	B
26	13	20	38.8	19-15.5	155-21.9	5.3	1.9	10	147	7.4	0.14	1.5	1.4	0.18	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	13	24	44.9	19-14.0	155-20.1?	0.0	2.6	23	161	12.2	4.20	0.9	7.9	0.22	C
26	13	44	26.1	19-15.2	155-22.3	5.7	1.5	12	147	8.1	0.10	0.8	0.8	0.15	B
26	13	52	12.0	19-14.8	155-21.7	3.1	2.5	21	153	7.9	0.11	0.8	1.3	0.18	C
26	13	54	30.5	19-15.6	155-21.6	4.5		19	148	6.8	0.12	0.9	1.0	0.21	C
26	14	1	12.3	19-12.4	155-21.3	0.5*	1.9	19	166	11.2	0.11	0.8		0.18	C
26	14	4	19.4	19-15.6	155-21.5?	8.1	2.4	21	148	6.7	0.12	0.9	0.7	0.19	C
26	14	5	21.7	19-15.8	155-22.0	8.0	2.0	17	145	7.0	0.11	0.9	0.7	0.16	B
26	14	30	40.5	19-15.3	155-21.8	3.7	2.1	20	149	7.4	0.11	0.9	1.1	0.20	C
26	14	31	21.9	19-16.9	155-23.2	5.3	1.8	18	130	6.1	0.09	0.8	0.7	0.19	B
26	14	48	8.6	19- 9.6	155-13.5	9.3	2.2	16	202	17.9	0.19	1.2	1.6	0.13	C
26	15	16	19.2	19-10.7	155-20.1?	0.0	2.7	21	177	13.6	4.96	1.0	9.2	0.19	C
26	15	18	12.8	19-15.0	155-22.0	5.1	2.0	14	150	8.0	0.12	1.0	0.9	0.19	B
26	15	32	31.5	19-14.8	155-22.2?	0.0	2.0	17	162	8.4	4.55	0.8	8.6	0.18	C
26	16	7	49.1	19-15.1	155-21.4?	7.3	3.5	19	194	7.2	0.21	1.4	0.9	0.22	C
26	16	14	55.9	19-15.9	155-22.0	3.6	1.9	13	144	7.0	0.11	1.0	1.2	0.16	B
26	16	15	17.4	19-14.2	155-20.9?	0.0	2.6	22	158	8.0	4.52	0.7	8.6	0.18	C
26	16	24	44.1	19-12.7	155-20.7?	0.0	3.2	24	166	10.3	3.91	0.8	7.3	0.20	C
26	16	30	26.2	19-14.3	155-21.8?	0.0	2.1	18	156	8.9	4.09	0.9	11.5	0.17	C
26	16	36	33.7	20- 5.2	156-10.6?	8.0*	2.8	20	320	56.6	2.42	0.0		5.13	D
26	16	37	35.8	19-18.4	155-19.9	7.1	3.4	16	187	0.9	0.15	0.9	0.5	0.12	C
26	16	39	55.4	19-14.0	155-20.8	2.2	3.3	24	159	8.3	0.15	0.9	1.1	0.22	C
26	16	48	46.3	19-14.2	155-21.5	2.6	2.3	20	157	8.6	0.15	0.9	1.4	0.21	C
26	16	58	53.2	19-15.3	155-22.6?	3.5	2.0	18	145	7.4	0.10	0.8	1.1	0.17	B
26	17	1	23.9	19-15.0	155-21.8	4.7		19	152	7.8	0.12	0.9	1.0	0.21	C
26	17	11	59.3	19-15.7	155-22.3	0.4*	1.9	15	143	7.8	0.07	0.6		0.15	C
26	17	14	28.5	19-14.6	155-21.1	0.8	2.5	20	156	10.4	3.66	0.6	5.9	0.13	C
26	17	15	59.1	19-14.2	155-20.9	3.3	2.6	20	158	11.8	0.12	0.9	0.9	0.16	C
26	17	26	38.7	19-14.7	155-21.9?	0.0	2.2	18	153	8.3	5.62	0.8	10.6	0.17	C
26	17	32	35.1	19-15.5	155-22.1	5.3	1.3	12	145	7.6	0.12	1.0	0.9	0.19	B
26	17	44	21.3	19-14.6	155-22.1?	0.0	2.5	19	153	8.7	4.98	0.8	9.4	0.16	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	17	57	41.6	19-20.0	155-11.6	8.7		15	145	4.8	0.09	0.7	2.0	0.12	B
26	18	1	49.3	19-14.2	155-21.3	4.5	2.0	15	161	8.3	0.16	1.3	1.2	0.19	C
26	18	3	45.6	19-14.8	155-21.9	1.1	1.9	17	153	8.2	1.63	0.8	5.9	0.16	C
26	18	9	49.6	19-14.6	155-20.8?	0.1	1.6	15	156	7.3	7.83	1.1	14.8	0.19	C
26	18	16	30.0	19-14.8	155-22.3?	0.0	1.7	19	151	8.3	5.14	0.7	9.7	0.15	C
26	18	23	32.1	19-22.1	155-14.4	25.4	2.2	18	123	2.6	0.21	1.1	1.9	0.12	B
26	18	35	53.6	19-16.3	155-22.6	7.5	2.2	13	144	7.3	0.07	0.8	0.4	0.10	B
26	18	41	13.4	19-14.9	155-21.5?	0.0	2.3	22	154	9.5	0.42	0.6	0.8	0.17	C
26	18	44	47.6	19-12.1	155-20.9?	0.0	2.7	23	168	11.4	0.62	1.0	1.1	0.22	C
26	19	33	50.3	19-13.5	155-22.0?	0.0		21	163	10.1	7.97	1.8	14.9	0.35	D
26	19	35	12.5	19-16.2	155-21.9?	2.0	0.7	18	142	7.8	0.10	0.8	1.0	0.18	B
26	19	37	29.7	19-14.0	155-21.5	2.0	2.2	21	158	10.1	0.34	0.7	1.2	0.17	C
26	20	12	28.6	19-15.8	155-22.2	0.5*	1.4	18	144	7.4	0.09	0.7		0.18	C
26	20	31	27.6	19-14.2	155-22.6?	0.0	1.5	15	154	8.3	6.03	0.9	11.4	0.20	C
26	20	48	28.2	19-15.5	155-21.7?	0.9	2.1	20	150	7.0	0.52	1.1	1.0	0.26	C
26	20	57	28.5	19-16.1	155-21.9?	0.0	1.9	19	156	8.0	4.06	0.7	7.7	0.17	C
26	21	11	45.3	19-13.0	155-20.6?	0.0	2.9	22	159	8.5	4.85	1.0	9.1	0.20	C
26	21	28	40.1	19-13.7	155-20.0?	0.0	2.6	20	182	12.7	4.71	1.1	8.8	0.21	C
26	21	31	28.0	19-14.2	155-20.5	3.7	3.8	20	176	7.7	0.12	0.8	0.7	0.14	C
26	21	34	24.8	19-14.4	155-21.2?	0.0	2.4	18	171	7.9	5.36	1.1	10.1	0.23	C
26	21	38	23.8	19-14.5	155-20.9?	0.0	2.2	19	172	10.7	0.31	0.6	0.6	0.10	C
26	21	41	59.2	19-14.8	155-21.3?	0.0	1.9	18	168	7.5	4.72	0.9	8.9	0.18	C
26	21	46	45.8	19-14.2	155-20.4	3.1	3.7	21	177	7.7	0.14	0.9	0.9	0.18	C
26	21	51	30.2	19-13.9	155-21.2?	0.0	2.3	20	175	10.7	0.40	0.7	0.7	0.14	C
26	21	53	0.8	19-14.2	155-20.2	3.3	2.8	18	177	12.0	0.14	0.8	1.0	0.13	C
26	22	5	6.8	19-17.2	155-22.3	8.0*	1.6	14	136	5.8	0.08	0.8		0.12	C
26	22	11	9.9	19-16.1	155-22.9	5.8	1.9	14	151	6.7	0.09	0.8	0.7	0.16	C
26	22	23	23.6	19-13.9	155-20.9	0.9	2.2	22	170	8.4	0.40	0.8	1.4	0.20	C
26	22	26	43.0	19-15.5	155-23.1?	0.0	1.9	14	157	6.4	3.11	1.1	5.0	0.21	C
26	22	31	43.7	19-13.6	155-21.2	0.3	3.0	24	160	9.2	0.44	0.9	0.8	0.24	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 26	22	34	36.9	19-14.6	155-22.3?	0.0	2.0	18	178	8.4	6.63	1.0	12.6	0.24	C
26	22	42	20.8	19-14.8	155-22.1?	0.0	1.9	16	163	8.4	4.68	0.7	8.9	0.10	C
26	22	47	52.3	19-22.5	155-14.0	12.7		11	133	2.3	0.98	2.9	6.9	0.18	C
26	22	55	36.2	19-13.7	155-21.5?	0.0	2.1	22	159	9.4	0.47	0.8	0.9	0.20	C
26	22	56	36.2	19-14.4	155-21.7?	0.0	1.6	19	143	5.1	5.08	0.8	9.6	0.18	C
26	23	17	59.6	19-13.2	155-20.7	0.3	3.0	26	164	9.5	0.30	0.7	0.6	0.20	C
26	23	28	17.4	19-13.9	155-21.3?	0.0	2.0	17	159	8.9	6.22	1.0	11.7	0.21	C
26	23	32	50.2	19-14.1	155-21.6	4.0	2.2	17	157	9.9	0.13	0.9	1.1	0.20	C
26	23	34	56.7	19-13.3	155-21.2	3.2	2.1	22	162	9.7	0.14	0.9	1.1	0.21	C
26	23	36	6.3	19-15.6	155-20.7	4.1	2.5	20	152	9.7	0.09	0.7	0.8	0.13	C
26	23	36	49.6	19-13.6	155-20.3?	8.5	3.5	18	163	13.0	0.11	0.9	1.9	0.15	C
26	23	39	35.4	19-14.1	155-20.5	3.5	2.0	20	160	7.9	0.14	0.9	1.0	0.21	C
26	23	40	35.8	19-15.8	155-21.6?	0.0	1.9	20	146	8.6	3.97	0.6	7.5	0.15	C
26	23	46	2.1	19-16.2	155-22.4	7.6	1.9	18	140	7.5	0.12	1.0	0.7	0.20	B
26	23	46	51.9	19-14.8	155-21.2	2.6	1.8	20	154	10.6	0.11	0.7	1.0	0.16	C
26	23	50	11.3	19-16.3	155-21.7	8.0*	1.9	13	142	6.2	0.10	1.0		0.17	C
26	23	50	37.6	19-15.9	155-21.5	0.9		18	146	8.5	0.91	0.6	3.3	0.12	B
27	0	1	40.8	19-15.4	155-21.3	2.2	1.7	22	150	9.4	0.10	0.7	1.0	0.17	B
27	0	3	43.1	19-16.0	155-21.4?	0.0	1.9	20	145	8.4	4.09	0.6	7.8	0.16	C
27	0	8	43.6	19-15.8	155-21.6?	0.0	1.9	21	146	8.6	3.69	0.6	7.0	0.15	C
27	0	17	46.7	19-14.2	155-21.3	5.2	2.0	16	157	10.3	0.12	0.9	0.8	0.16	C
27	0	37	41.7	19-14.6	155-22.0	3.3	2.0	18	153	8.6	0.15	1.1	1.5	0.26	C
27	0	39	49.8	19-14.9	155-21.5	8.0*		15	213	7.6	0.18	1.3		0.14	C
27	0	41	36.7	19-14.1	155-21.5?	0.0	2.4	22	157	10.1	4.25	0.8	8.0	0.21	C
27	0	45	4.5	19-14.5	155-20.7	4.0	2.0	22	157	7.3	0.13	0.9	0.9	0.20	C
27	0	47	7.0	19-14.2	155-21.7	5.1	2.0	16	157	9.6	0.12	0.9	0.8	0.17	C
27	0	49	11.0	19-14.9	155-21.2?	0.0	1.9	20	154	7.1	5.80	0.8	11.0	0.19	C
27	0	51	32.3	19-14.6	155-22.6	4.6	2.0	12	151	7.9	0.11	0.9	0.9	0.16	C
27	0	53	14.6	19-17.0	155-21.4	4.5	1.8	20	196	6.8	0.10	0.9	0.9	0.22	C
27	1	5	12.4	19-14.0	155-21.9?	0.0		21	157	9.3	5.39	0.9	10.2	0.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 27	1	8	40.3	19-16.6	155-22.4	2.4		18	136	6.8	0.10	0.8	1.2	0.18	B
27	1	30	37.3	19-16.4	155-22.6	2.7		18	148	7.1	0.10	0.8	1.3	0.20	B
27	1	32	46.9	19-15.8	155-21.9	0.0		21	145	8.5	3.77	0.6	7.1	0.15	C
27	1	34	54.9	19-14.7	155-20.9	2.9	1.9	22	156	7.3	0.13	0.9	1.2	0.20	C
27	2	13	17.9	19-14.5	155-21.6	4.5	1.9	16	155	9.5	0.12	0.9	0.9	0.17	C
27	2	26	30.9	19-13.2	155-21.3?	0.0	2.0	18	162	11.2	5.88	1.0	11.0	0.15	C
27	2	27	15.7	19- 9.0	155-16.5	3.3	2.4	20	225	17.0	0.24	1.2	0.8	0.15	C
27	2	47	14.6	19-15.9	155-22.2	2.6	2.2	21	142	7.4	0.11	0.8	1.2	0.22	C
27	2	54	51.9	19-16.6	155-21.0?	0.0	1.8	18	144	7.8	4.46	0.7	8.5	0.16	C
27	3	2	50.4	19-16.8	155-20.5	4.6	2.5	20	145	8.1	0.08	0.6	0.7	0.13	C
27	3	7	19.2	19-16.4	155-20.4	4.2	2.7	23	148	4.2	0.11	0.8	0.9	0.19	C
27	3	45	19.1	19-19.8	155-14.4	8.0*		11	202	5.3	0.16	1.1		0.14	C
27	3	52	35.3	19-15.0	155-20.9?	0.0	2.1	21	166	6.7	0.43	0.7	0.8	0.17	C
27	3	56	48.6	19-15.9	155-22.6	2.8	1.8	18	153	7.3	0.09	0.7	1.0	0.16	C
27	4	2	15.2	19-13.6	155-21.2?	0.0	2.0	17	185	9.2	5.54	1.0	10.5	0.16	C
27	4	27	29.0	19-15.7	155-20.4	1.0	2.2	18	166	9.6	1.21	0.9	4.4	0.16	C
27	4	31	40.5	19-15.0	155-21.9?	0.0	1.9	18	163	7.8	4.66	0.8	8.8	0.16	C
27	4	34	24.0	19-13.4	155-21.9?	0.0	2.0	19	170	10.1	5.64	1.0	10.6	0.21	C
27	4	36	32.8	19-16.5	155-21.7	8.0*		12	156	6.0	0.11	1.0		0.16	C
27	4	37	50.1	19-37.1	155-32.3?	16.0*		11	110	20.8	0.34	3.6		0.49	C
27	4	40	45.4	19-11.3	155-21.1?	0.0	2.6	24	172	12.3	0.47	0.9	0.9	0.19	C
27	4	46	21.6	19-16.8	155-22.0	6.2	2.2	21	137	6.2	0.09	0.8	0.7	0.20	B
27	4	50	20.3	19-15.4	155-20.7	3.0	2.6	23	153	5.9	0.11	0.7	0.9	0.17	C
27	4	59	44.1	19-14.5	155-22.0	6.3	2.2	17	155	8.6	0.12	1.0	0.7	0.21	C
27	5	2	58.4	19-15.1	155-22.0?	0.0	1.9	20	150	7.9	4.24	0.7	8.0	0.18	C
27	5	11	22.7	19-15.2	155-20.9	4.7	2.1	22	154	6.5	0.10	0.7	0.7	0.16	C
27	5	16	14.6	19-19.2	155-15.5	6.6		15	185	3.7	0.11	0.7	0.6	0.13	C
27	5	44	14.2	19-13.9	155-21.6?	0.0	2.0	21	158	9.1	4.83	0.8	9.1	0.20	C
27	5	44	38.5	19-10.6	155-20.0?	0.0	2.6	20	178	13.8	5.43	1.1	10.1	0.19	C
27	5	49	39.3	19-13.9	155-22.8?	0.0	2.0	18	154	8.2	5.94	0.9	11.2	0.22	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 27	5	57	2.0	19-13.9	155-21.9	2.7	1.9	17	158	9.4	0.14	1.0	1.5	0.22	C
27	6	2	11.6	19- 9.7	155-20.0?	0.0	2.2	17	202	13.8	4.91	1.1	9.2	0.15	C
27	6	7	35.6	19-25.0	155-25.4	7.4	1.7	16	77	9.5	0.09	0.7	0.6	0.16	B
27	6	15	46.6	19-14.0	155-22.5?	0.0	2.1	17	172	8.6	5.75	0.9	10.9	0.20	C
27	7	3	5.8	19-16.2	155-21.0	0.9	1.8	16	146	8.4	1.34	0.6	5.0	0.12	C
27	7	4	16.4	19-14.8	155-22.2?	0.0	2.5	23	152	8.5	0.28	0.6	0.5	0.15	C
27	7	22	37.8	19-13.9	155-21.1	0.6	3.5	26	159	8.7	0.39	0.8	0.7	0.19	C
27	7	25	24.7	19-13.3	155-21.6?	0.0	2.3	20	170	10.0	0.43	0.8	0.8	0.16	C
27	7	47	48.7	19-13.9	155-21.9	1.8	2.5	20	157	9.5	1.11	0.6	4.1	0.14	C
27	8	9	45.1	19-15.0	155-21.8	1.1	2.2	23	151	7.7	0.36	0.8	1.3	0.20	C
27	8	15	31.7	19-15.4	155-22.4?	0.0	1.9	17	146	7.8	5.56	0.8	10.5	0.17	C
27	8	20	42.8	19-15.3	155-21.8	1.3	1.9	20	149	8.9	1.23	0.7	4.5	0.19	B
27	8	54	29.6	19-16.6	155-22.7	5.6		13	134	6.6	0.08	0.8	0.8	0.14	B
27	8	57	42.5	19-14.4	155-21.9	0.7*	2.0	14	172	8.8	0.11	0.8		0.19	C
27	9	3	48.4	19-16.6	155-22.6	5.9	1.7	18	135	6.7	0.09	0.9	0.8	0.20	B
27	9	4	33.9	19-14.8	155-22.1	5.3		12	152	8.4	0.08	0.8	0.8	0.13	C
27	9	6	6.2	19-16.6	155-23.1	4.8	1.9	15	132	6.3	0.08	0.8	1.0	0.18	B
27	9	29	29.9	19-16.5	155-22.1	7.0	1.8	17	139	6.6	0.08	0.7	0.5	0.16	B
27	9	39	45.6	19-16.4	155-22.3	8.0*	2.3	15	139	7.1	0.09	0.9		0.15	C
27	9	54	48.5	19-15.7	155-22.4	0.8	1.9	19	143	7.6	1.42	0.7	5.2	0.16	C
27	9	57	49.9	19-15.4	155-22.2	5.4	1.8	18	146	7.8	0.08	0.7	0.6	0.16	B
27	10	4	12.1	19-15.0	155-21.8	4.9	2.4	21	151	7.7	0.09	0.7	0.8	0.17	C
27	10	25	35.3	19-16.7	155-22.1	4.4	2.0	20	137	6.5	0.09	0.8	1.1	0.20	C
27	10	31	5.9	19-15.7	155-21.3	4.6	2.0	21	149	6.3	0.09	0.7	0.8	0.17	B
27	11	13	46.1	19-16.3	155-22.2	5.9	2.2	19	140	7.5	0.08	0.7	0.6	0.16	B
27	11	23	34.8	19-14.8	155-22.2	3.8	2.4	18	152	8.5	0.11	0.9	1.3	0.20	C
27	11	27	53.8	19-16.3	155-22.7	4.9	1.9	15	137	6.9	0.09	0.9	0.9	0.18	B
27	11	42	48.1	19-17.1	155-21.9	8.0*		11	143	5.9	0.09	0.9		0.14	C
27	12	9	16.0	19-14.4	155-22.1?	2.3	2.3	18	155	8.9	1.61	0.9	5.9	0.19	C
27	13	12	55.6	19-14.9	155-23.1	3.8	2.1	16	145	6.8	0.09	0.8	1.0	0.16	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 27	13	14	54.5	19-15.8	155-22.3?	0.0	2.5	21	143	7.5	4.37	0.6	8.3	0.15	C
27	14	6	10.6	19-15.5	155-22.2	5.1	2.6	21	146	7.8	0.09	0.7	0.7	0.16	B
27	14	9	1.9	19-19.0	155-13.5	8.5	1.5	14	173	6.5	0.08	0.7	1.3	0.10	C
27	15	5	47.3	19-15.5	155-22.1?	2.9	3.1	21	146	7.7	0.37	0.7	1.3	0.18	B
27	15	9	14.4	19-15.3	155-22.0?	0.0	2.4	21	148	7.6	5.01	0.7	9.5	0.17	C
27	15	11	51.0	19-14.8	155-21.7?	0.0	4.6	22	153	7.9	0.47	0.8	0.9	0.18	C
27	15	20	28.2	19-15.4	155-21.9	5.6	2.1	18	148	7.4	0.12	1.0	0.9	0.21	C
27	15	21	40.7	19-15.4	155-21.7	6.3	2.1	17	149	8.9	0.10	0.8	0.7	0.17	B
27	15	37	53.4	19-15.2	155-23.1	6.2	2.3	19	143	6.7	0.09	0.8	0.6	0.19	B
27	15	42	26.6	19-15.3	155-22.5	0.7*	2.3	12	169	7.7	0.10	0.7		0.15	C
27	15	43	17.7	19-15.1	155-21.7	1.7	2.1	18	151	7.5	1.33	0.7	4.8	0.15	C
27	15	57	42.1	19-16.0	155-22.3	1.3	2.5	20	141	7.3	1.34	0.7	4.9	0.17	B
27	15	59	31.0	19-15.6	155-22.3	4.2		15	144	7.7	0.09	0.8	1.2	0.17	B
27	15	59	51.0	19-15.3	155-22.6?	0.0		14	145	7.6	7.85	1.1	14.9	0.20	C
27	16	3	30.7	19-15.5	155-21.9	4.9	2.7	21	147	7.3	0.08	0.7	0.7	0.16	B
27	16	9	28.0	19-15.9	155-22.2	1.4	2.3	19	142	7.3	1.31	0.7	4.8	0.17	B
27	16	11	49.8	19-17.1	155-22.6	5.4		14	133	5.9	0.07	0.7	0.6	0.14	B
27	16	13	9.5	19-15.0	155-22.9?	0.0	3.4	23	145	7.1	0.42	0.7	0.8	0.19	B
27	16	17	49.5	19-14.5	155-22.6	0.9	1.9	14	151	7.9	2.07	0.9	7.6	0.19	C
27	16	26	45.0	19-16.9	155-22.4	5.3	2.0	19	134	6.3	0.08	0.7	0.8	0.18	B
27	16	47	49.4	19-25.4	155-14.8?	8.0*		7	126	9.1	2.72	72.1		1.58	C
27	16	51	47.7	19-16.4	155-21.1	3.1	2.3	18	145	5.2	0.08	0.6	0.9	0.13	B
27	16	56	37.0	19-17.0	155-22.6	7.2	1.7	16	133	6.0	0.10	1.0	0.6	0.18	B
27	17	0	44.4	19-15.1	155-22.9	1.5	2.6	18	156	7.0	0.37	0.6	1.4	0.14	C
27	17	4	37.0	19- 6.8	155-31.7?	8.0*	2.5	15	264	17.7	0.44	5.3		0.56	D
27	17	6	34.4	19-15.2	155-22.7	3.2		10	145	8.7	0.21	1.8	2.8	0.17	C
27	17	9	54.2	19-15.5	155-21.7	3.9	4.0	21	148	7.1	0.09	0.7	0.7	0.16	B
27	17	21	23.0	19-14.8	155-21.9	8.0*	1.8	12	183	8.2	0.10	0.9		0.10	C
27	17	23	48.2	19-16.7	155-22.4	0.5*	1.8	17	136	6.7	0.08	0.8		0.18	C
27	17	26	36.0	19-17.1	155-23.4	4.9	1.6	16	127	5.6	0.07	0.7	0.9	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC	27	17	29	12.1	19-17.2	155-22.8	5.7	2.2	16	130	5.7	0.06	0.7	0.6	0.15	B
	27	17	29	52.2	19-17.3	155-21.9	5.4	2.1	20	134	5.9	0.08	0.8	0.6	0.20	B
	27	17	42	36.9	19-16.7	155-21.9	5.5	2.0	18	138	6.9	0.11	1.0	1.0	0.22	C
	27	17	45	18.7	19-17.2	155-23.1	4.6		15	128	5.5	0.08	0.8	1.1	0.17	B
	27	17	48	25.9	19-15.7	155-21.5	2.5		15	147	6.5	0.09	0.7	1.1	0.12	B
	27	17	52	26.0	19-16.2	155-22.2	4.2	1.8	14	140	7.1	0.07	0.7	1.0	0.14	B
	27	17	53	41.9	19-14.3	155-22.0	2.3	2.3	18	155	9.1	0.12	0.8	1.5	0.14	C
	27	18	1	32.0	19-15.8	155-22.3	0.5*	1.7	12	161	7.6	0.13	1.0		0.21	C
	27	18	4	10.8	19-14.9	155-20.9	3.7	2.6	19	156	10.6	0.10	0.8	1.1	0.12	C
	27	18	9	17.6	19-17.1	155-22.5	5.9	1.7	18	133	5.8	0.08	0.8	0.7	0.18	B
	27	18	18	13.2	19-16.9	155-22.0	7.6	2.5	19	136	6.2	0.08	0.7	0.5	0.15	B
	27	18	21	7.6	19-15.7	155-21.4?	0.0	2.3	22	148	8.9	3.52	0.6	5.7	0.17	C
	27	18	25	45.5	19-15.5	155-20.8?	0.0	2.3	21	153	9.8	3.53	0.6	5.7	0.13	C
	27	18	29	2.4	19-14.6	155-21.4?	0.9	2.1	21	155	9.8	0.44	0.7	0.8	0.18	C
	27	18	30	2.5	19-16.9	155-22.2	4.4	1.8	19	135	6.4	0.07	0.7	0.9	0.17	B
	27	18	33	37.2	19-15.7	155-21.5	8.0*		14	175	6.5	0.13	1.3		0.16	C
	27	18	37	4.3	19-15.8	155-22.0	0.6*	1.8	18	145	8.3	0.09	0.7		0.18	C
	27	18	40	43.9	19-16.8	155-22.4	6.6	1.7	20	134	6.5	0.09	0.9	0.7	0.23	C
	27	18	45	43.3	19-15.0	155-21.7	0.1	2.3	20	152	9.2	0.42	0.7	0.8	0.17	C
	27	18	55	27.4	19-15.6	155-20.4?	0.0	2.0	17	152	9.8	5.29	0.7	10.0	0.15	C
	27	18	57	51.1	18-49.9	155-19.1	6.5	3.3	23	263	40.2	1.03	2.3	6.6	0.13	D
	27	19	3	50.1	19-16.1	155-21.4	6.2	3.5	20	145	8.3	0.07	0.6	0.5	0.13	B
	27	19	9	10.0	19-16.9	155-22.0	5.9	2.2	19	136	6.2	0.09	0.9	0.7	0.19	C
	27	19	9	56.3	19-15.2	155-21.1?	8.1	3.1	12	153	10.0	0.31	1.6	2.0	0.27	C
	27	19	12	45.4	19-17.3	155-22.8?	5.6		16	130	5.3	0.08	0.8	0.8	0.18	B
	27	19	17	41.6	19-16.7	155-22.4	1.1	2.1	18	136	6.6	1.21	0.6	4.5	0.15	B
	27	19	19	30.5	19-15.4	155-22.2	7.5		20	147	7.9	0.11	0.8	0.6	0.18	B
	27	19	29	8.6	19-16.2	155-21.3	1.7	2.0	18	194	8.1	0.40	0.8	1.2	0.14	C
	27	19	33	53.1	19-16.1	155-22.1	1.4		19	142	8.0	1.41	0.7	5.2	0.16	C
	27	19	34	12.8	19-13.6	155-22.2	2.9		12	158	12.3	0.18	1.3	2.0	0.19	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 27	19	36	4.0	19-15.2	155-21.9	2.8	2.0	19	150	7.7	0.12	0.9	1.4	0.19	C
27	19	45	9.5	19-18.3	155-23.7	4.7		14	110	3.5	0.11	1.1	1.4	0.21	B
27	19	54	8.9	19-17.2	155-22.6	5.3	1.7	19	131	5.6	0.08	0.8	0.7	0.19	B
27	19	58	8.1	19-17.1	155-22.7	5.3	1.8	18	131	5.8	0.08	0.8	0.7	0.18	B
27	20	24	45.1	19-14.9	155-23.4	0.8*		15	143	6.5	0.08	0.7		0.17	C
27	20	28	17.6	19-16.1	155-22.1	5.8	2.7	20	142	7.0	0.09	0.8	0.7	0.16	C
27	20	31	40.6	19-14.8	155-21.4	8.0*	1.7	12	172	7.6	0.08	0.7		0.09	C
27	20	32	34.5	19-15.5	155-21.9	2.9	2.2	20	147	8.6	0.11	0.8	1.4	0.19	B
27	20	33	30.2	19-16.4	155-22.7	4.2	1.7	19	135	7.0	0.10	0.9	1.4	0.23	C
27	20	35	18.0	19-15.2	155-21.8?	2.6	1.8	19	150	7.5	0.47	0.7	1.8	0.18	B
27	20	44	40.6	19-12.9	155-21.2	5.5	2.0	17	174	10.4	0.14	0.9	0.7	0.17	C
27	20	45	50.3	18-53.1	155-15.8?	5.8	2.0	16	253	37.0	1.53	2.2	9.2	0.13	D
27	20	47	18.1	19-17.0	155-23.4?	2.7		12	127	5.8	0.10	0.9	1.2	0.18	B
27	21	2	15.8	19-15.0	155-21.9?	0.0	1.8	18	151	8.0	5.15	0.8	9.7	0.16	C
27	21	9	2.5	19-15.6	155-21.8?	1.6	2.0	20	148	8.8	0.11	0.8	1.3	0.18	B
27	21	29	50.3	19-17.7	155-22.7	6.5		11	125	4.7	0.04	0.4	0.5	0.06	B
27	21	40	58.8	19-15.6	155-21.6	2.0	2.2	21	148	9.0	0.38	0.7	1.3	0.19	B
27	21	42	38.4	19-17.0	155-22.6	5.3		17	133	6.1	0.08	0.8	0.7	0.19	B
27	22	3	52.7	19-16.7	155-22.6	3.8		19	135	6.5	0.10	0.9	1.4	0.23	C
27	22	13	10.3	19-15.7	155-21.9	0.3	1.9	21	146	8.6	0.46	0.7	0.8	0.18	C
27	22	26	36.6	19-13.4	155-21.9?	0.0	2.1	20	160	10.1	5.89	0.9	11.1	0.17	C
27	22	30	55.5	19-16.5	155-21.3	6.2	2.7	20	143	7.7	0.07	0.6	0.5	0.14	B
27	22	36	46.8	19-16.3	155-21.9	8.0*	2.1	18	157	6.5	0.07	0.6		0.13	C
27	22	39	34.1	19-15.7	155-22.4	3.2	1.7	18	143	7.6	0.09	0.7	1.2	0.16	B
27	22	41	54.1	19-15.8	155-22.3	3.0	1.9	18	143	7.6	0.10	0.8	1.4	0.18	B
27	22	44	16.2	19-16.0	155-21.8?	0.0	1.7	19	144	8.2	5.42	0.7	10.3	0.16	C
27	22	45	37.1	19-14.1	155-22.6?	0.0	2.2	21	154	8.3	6.87	1.0	13.0	0.23	C
27	22	48	8.2	19-16.8	155-23.2	5.4		19	131	6.2	0.08	0.8	0.8	0.20	B
27	22	50	29.8	19-15.4	155-21.9	2.0	2.2	23	148	7.5	0.31	0.7	1.1	0.19	C
27	22	58	4.0	19-13.6	155-21.1	3.0	1.8	16	160	9.1	0.15	1.0	1.6	0.17	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 27	22	59	11.8	19-14.2	155-22.7	5.6		12	153	8.0	0.11	1.0	0.9	0.16	C
27	23	7	14.4	19-15.5	155-22.1	8.0*		11	169	7.7	0.10	1.0		0.11	C
27	23	7	41.7	19-13.3	155-22.1	3.3	2.5	20	160	9.9	0.11	0.7	1.0	0.16	C
27	23	22	42.2	19-16.8	155-23.2	4.7	1.7	19	130	6.1	0.08	0.8	1.0	0.20	B
27	23	31	58.2	19-15.4	155-22.1	0.0	2.0	18	147	7.7	0.44	0.7	0.8	0.16	B
27	23	33	34.5	19-16.0	155-22.5	5.7		15	156	7.4	0.10	0.9	0.9	0.18	C
27	23	35	33.0	19-14.1	155-21.4	0.3*		14	187	8.6	0.13	0.8		0.14	C
28	0	4	0.4	19-15.8	155-21.5?	0.8	1.9	17	147	8.7	1.70	0.8	6.3	0.16	C
28	0	9	19.7	19-15.6	155-22.2?	0.0		19	145	8.1	5.53	0.8	10.5	0.17	C
28	0	20	23.2	19-16.9	155-22.7	6.3		19	140	6.3	0.09	1.0	0.7	0.21	C
28	0	34	4.1	19-16.6	155-22.1	0.8*		14	201	6.6	0.21	1.1		0.18	C
28	0	39	3.8	19-17.0	155-22.6	6.1		17	139	6.1	0.10	0.9	0.8	0.20	C
28	0	56	11.6	19-13.1	155-21.8?	0.0	2.7	22	161	10.4	0.44	0.7	0.8	0.18	C
28	1	24	5.9	19-16.0	155-21.8	8.0*	1.7	17	159	6.7	0.09	0.8		0.15	C
28	1	28	39.1	19-15.6	155-20.7	8.0*		15	210	5.7	0.13	0.9		0.11	C
28	1	43	45.6	19-16.0	155-21.9	8.0*	1.8	14	204	6.8	0.13	1.0		0.13	C
28	1	54	37.3	19-15.7	155-21.7?	2.4	2.1	19	159	8.8	0.34	0.7	1.2	0.15	C
28	1	58	41.7	19-14.2	155-22.5	0.2	2.5	19	165	8.4	0.41	0.7	0.7	0.15	C
28	2	7	31.5	19-16.0	155-22.1	8.0*		12	207	7.0	0.18	1.5		0.18	C
28	2	7	47.7	19-16.4	155-23.1	5.0	1.7	17	152	6.4	0.12	0.9	0.9	0.18	C
28	2	10	11.3	19-18.4	155-24.0?	2.6		11	137	3.5	0.32	1.0	1.1	0.16	B
28	2	38	39.9	19-23.7	155-15.2	1.7		9	88	2.4	0.07	0.3	0.3	0.09	A
28	2	57	38.5	19-15.8	155-21.7	8.0*		14	162	6.7	0.10	1.0		0.14	C
28	3	5	30.6	19-14.1	155-22.7?	0.9	2.2	21	154	8.3	0.43	0.7	0.8	0.18	C
28	3	16	38.4	19-15.7	155-21.5?	0.0	0.7	17	160	8.8	5.31	0.7	10.1	0.14	C
28	3	18	11.0	19-15.6	155-20.9	4.3	2.8	19	203	6.0	0.17	0.9	0.9	0.15	C
28	3	49	36.6	19-14.7	155-23.3?	3.0	2.1	19	145	6.8	0.10	0.9	1.2	0.18	B
28	4	5	42.5	19-15.3	155-21.3	8.0*	0.8	13	183	6.8	0.11	1.0		0.12	C
28	4	10	29.8	19-15.9	155-21.7	6.5	2.8	18	189	6.6	0.13	0.9	0.6	0.16	C
28	4	16	7.9	19-12.8	155-21.1	3.5	0.8	17	183	10.5	0.13	0.8	1.1	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 28	4	26	36.9	19-15.2	155-21.5?	0.0	1.8	17	152	7.1	5.73	0.7	10.9	0.16	C
28	4	33	54.1	19-15.3	155-22.2	4.0	2.3	19	146	7.9	0.12	0.9	1.5	0.22	C
28	4	35	38.5	19-15.3	155-21.2	8.0*	0.9	15	170	6.6	0.11	1.0		0.13	C
28	4	38	30.9	19-15.4	155- 2.3	9.5	1.5	15	248	8.5	0.31	2.0	1.5	0.12	C
28	5	9	59.1	19-15.4	155-22.2	6.8	1.8	19	147	7.8	0.08	0.8	0.5	0.17	B
28	5	19	30.9	19-19.8	155-11.7	9.6		14	183	5.2	0.07	0.5	0.8	0.06	B
28	5	23	51.4	19-14.1	155-22.6	4.5	2.5	20	154	8.3	0.09	0.8	0.8	0.16	C
28	5	26	13.6	19-19.2	155-15.3	6.0	0.2	11	188	4.1	0.17	1.0	0.9	0.15	C
28	5	39	56.6	19-23.3	155-15.0	2.0		11	102	2.3	0.05	0.2	0.2	0.07	A
28	6	10	57.8	19-16.5	155-22.6	0.8	1.4	16	135	6.9	0.41	0.6	0.8	0.15	B
28	6	15	48.6	19-26.3	155-15.1	29.9	1.7	18	136	1.8	0.13	0.9	1.2	0.08	B
28	6	21	18.1	19-13.4	155-22.1	3.5	2.5	18	158	9.7	0.18	1.1	1.3	0.17	C
28	6	22	35.2	19-16.8	155-23.5	6.1	1.3	16	129	5.7	0.10	1.0	0.8	0.21	C
28	6	35	1.2	19-19.9	155-16.0	6.4	0.7	12	164	2.5	0.12	0.8	0.7	0.13	C
28	6	44	30.8	19-14.5	155-23.2?	0.0	2.0	20	148	7.1	5.67	0.8	10.7	0.19	C
28	6	54	8.0	18-50.4	155-19.2	8.3		17	265	38.5	0.54	3.3	2.9	0.16	D
28	7	15	22.7	19-16.3	155-22.8	3.1		18	136	6.8	0.10	0.8	1.3	0.19	B
28	9	50	53.2	19-13.1	155-20.9?	2.9	2.7	23	164	9.9	0.55	0.9	2.0	0.23	C
28	10	9	13.3	19-25.5	155-16.1	1.9	1.5	11	126	0.7	0.06	0.4	0.2	0.09	B
28	10	58	32.6	19-15.1	155-23.3	4.0	2.2	17	141	6.4	0.09	0.8	1.0	0.16	B
28	12	3	19.9	19-20.7	155-19.3	3.4	1.4	10	95	3.6	0.11	0.3	3.6	0.06	B
28	13	18	0.6	19-15.4	155-21.9?	0.0	2.1	19	148	8.5	4.17	0.7	7.9	0.17	C
28	13	55	10.8	19-16.5	155-23.6	5.1	1.9	13	130	5.5	0.09	0.9	0.9	0.19	B
28	14	37	30.7	19-17.3	155-14.9	8.0*	1.7	13	218	6.6	0.15	1.0		0.12	C
28	16	20	6.0	19-14.2	155-21.0	2.5	3.7	21	158	8.1	0.12	0.7	1.0	0.16	C
28	16	25	20.6	19-15.1	155-21.5?	0.0	2.4	20	152	7.2	0.49	0.8	0.9	0.19	C
28	16	26	32.4	19-14.3	155-21.2?	0.0	2.6	20	157	10.3	0.37	0.6	0.7	0.15	C
28	16	33	44.1	19-15.1	155-21.4?	0.0		17	152	9.6	4.29	0.7	8.1	0.17	C
28	16	49	54.2	19-14.9	155-21.4?	0.0	1.8	20	154	9.7	3.53	0.6	6.7	0.13	C
28	16	50	55.9	19-15.5	155-21.8?	0.0	1.8	17	148	7.1	5.70	0.8	10.8	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 28	16	59	11.1	19-14.0	155-21.5?	2.4	4.6	23	158	8.9	0.38	0.6	1.4	0.15	C
28	17	9	29.4	19-14.4	155-20.9	2.1	3.3	25	157	7.7	0.23	0.6	0.8	0.16	C
28	17	12	54.6	19-14.1	155-20.7	1.8	2.6	24	159	8.0	0.32	0.7	1.2	0.18	C
28	17	15	38.3	19-14.8	155-21.3	4.6	2.8	20	154	9.9	0.11	0.8	0.9	0.16	C
28	17	19	6.7	19-14.0	155-20.3	2.6	3.0	23	161	7.8	0.15	0.9	1.1	0.21	C
28	17	21	22.7	19-15.5	155-21.7	6.9	2.7	20	148	6.9	0.08	0.7	0.5	0.17	B
28	17	23	54.8	19-14.4	155-22.3?	0.0	2.3	16	165	8.6	5.78	0.9	10.9	0.17	C
28	17	26	6.0	19-14.0	155-22.8?	0.0	2.5	20	154	8.2	5.93	0.9	11.2	0.19	C
28	17	28	23.0	19-14.0	155-21.4?	0.0	2.1	20	158	10.4	4.52	0.8	8.5	0.18	C
28	17	33	54.9	19-14.8	155-22.8?	0.0	2.0	16	147	7.4	5.07	0.7	9.6	0.16	C
28	17	36	47.7	19-15.6	155-22.3	5.3		18	144	7.8	0.10	0.9	0.9	0.22	C
28	17	42	14.9	19-14.0	155-22.9?	0.0	1.9	18	153	8.0	5.36	1.0	10.1	0.22	C
28	17	43	9.6	19-14.3	155-21.3?	0.0	1.8	17	157	10.2	4.91	0.8	9.3	0.20	C
28	17	47	27.0	19-14.6	155-21.2	2.6	2.5	20	156	10.3	0.11	0.7	1.0	0.17	C
28	17	52	29.2	19-13.1	155-21.3	0.2	2.8	26	162	10.1	0.27	0.7	0.5	0.18	C
28	17	56	18.6	19-13.7	155-22.4?	0.0	2.2	19	156	9.1	5.28	0.9	10.0	0.22	C
28	17	58	46.0	19-13.9	155-22.7?	0.0	2.3	20	155	8.3	5.48	1.0	10.3	0.24	C
28	18	0	55.2	19-15.9	155-21.7	4.8		15	145	6.6	0.09	0.7	0.7	0.15	B
28	18	2	12.5	19-15.9	155-22.9	2.6	1.9	18	139	6.8	0.13	0.9	1.3	0.24	C
28	18	6	43.4	19-14.1	155-21.3?	0.0	2.0	20	157	10.4	3.99	0.6	7.5	0.16	C
28	18	8	4.6	19-14.5	155-22.8?	0.0	2.5	23	150	7.7	0.45	0.7	0.8	0.19	B
28	18	20	55.4	19-13.9	155-22.9?	0.0	2.0	16	155	8.1	5.75	1.0	10.8	0.22	C
28	18	21	35.4	19-13.2	155-22.0?	0.0	2.8	22	160	10.1	4.06	0.8	7.6	0.18	C
28	18	25	30.5	19-14.8	155-23.4?	0.0	2.0	14	144	6.5	4.87	0.7	9.2	0.15	C
28	18	29	58.9	19-15.1	155-23.0	2.6	2.0	18	144	9.2	0.10	0.8	1.2	0.15	B
28	18	35	31.4	19-15.9	155-21.5	7.9	2.3	21	147	6.3	0.08	0.6	0.4	0.14	B
28	20	16	5.8	19-15.0	155-22.3	2.7	1.9	12	149	8.1	0.13	0.9	1.3	0.18	B
28	20	26	10.6	19-14.8	155-22.1	4.2	2.0	14	152	8.4	0.14	1.1	1.2	0.22	C
28	20	37	17.1	19-15.5	155-21.5?	0.0	1.9	18	149	6.8	4.81	0.8	9.1	0.19	C
28	20	54	42.1	19-16.7	155-20.7	2.7	1.8	17	145	4.2	0.08	0.6	0.7	0.12	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC	28	21	15 7.7	19-13.8	155-22.7	2.9	2.5	21	156	8.5	0.11	0.7	1.0	0.17	C
	28	21	27 15.0	19-16.2	155-23.6	4.0	1.8	14	132	5.4	0.09	0.8	1.3	0.16	B
	28	21	39 22.8	19-16.6	155-23.3	3.6	0.7	11	140	6.0	0.12	1.0	2.1	0.19	B
	28	21	49 13.3	19-16.2	155-23.8	4.8	1.8	15	131	5.1	0.08	0.8	0.9	0.17	B
	28	21	56 14.2	19-14.1	155-22.6?	0.0	2.7	27	154	8.3	0.37	0.9	0.7	0.23	C
	28	22	5 17.5	19-15.9	155-22.8	3.4	1.8	15	139	7.0	0.10	0.8	1.1	0.19	B
	28	22	14 5.4	19-14.5	155-22.9?	0.0	2.0	16	150	7.6	4.72	0.8	8.9	0.18	C
	28	22	26 18.4	19-16.6	155-23.2?	2.6		14	140	6.1	3.01	1.0	5.8	0.22	C
	28	22	58 1.3	19-16.4	155-20.3	1.7	1.8	19	149	4.1	0.93	0.6	3.5	0.14	B
	28	23	19 4.7	19-13.2	155-22.5?	0.0	2.3	17	159	9.4	4.87	0.9	9.2	0.20	C
	28	23	23 25.0	19-15.9	155-23.2	3.3	1.8	15	137	6.2	0.11	0.9	1.3	0.22	C
	28	23	23 55.7	19-15.9	155-23.6	5.7	1.9	12	133	5.6	0.08	0.9	0.8	0.16	B
	28	23	46 25.9	19-15.6	155-22.9	4.4		13	157	6.7	0.12	0.9	1.8	0.19	C
	28	23	48 27.1	19-15.2	155-22.0?	0.0	1.9	16	162	8.6	4.69	0.8	8.9	0.17	C
	29	0	26 21.8	19-15.2	155-21.3	2.7	2.1	21	152	9.8	0.10	0.7	1.0	0.16	C
	29	0	30 18.1	19-13.4	155-22.6	5.3	2.1	17	175	9.1	0.13	1.0	0.8	0.19	C
	29	0	42 1.9	19-14.0	155-21.1?	0.8	4.0	26	159	8.4	0.44	0.8	1.5	0.22	C
	29	0	49 33.1	19-14.0	155-22.7	0.6*	1.9	17	170	8.2	0.10	0.8		0.17	C
	29	1	1 8.8	19-14.3	155-20.6	3.1	2.9	23	159	7.7	0.15	0.9	1.1	0.22	C
	29	1	8 58.4	19-14.6	155-21.9?	0.0	2.2	22	155	8.6	0.47	0.7	0.9	0.20	C
	29	1	19 14.4	19-14.8	155-21.0	2.8	2.2	21	156	10.4	0.10	0.7	0.9	0.15	C
	29	1	20 20.7	19-14.4	155-21.3?	0.0	2.0	19	157	8.0	5.28	0.9	10.0	0.23	C
	29	1	22 20.5	19-14.7	155-21.0?	0.0	1.8	18	167	10.5	4.37	0.8	8.3	0.16	C
	29	1	30 19.6	19-14.9	155-21.1?	0.2	1.9	21	154	10.1	1.13	0.7	4.1	0.16	C
	29	1	33 39.4	19-15.1	155-22.2	0.8*	1.9	12	174	8.2	0.11	0.7		0.14	C
	29	1	34 16.9	19-15.4	155-22.4	0.6*	0.8	14	167	7.8	0.10	0.7		0.14	C
	29	1	38 41.7	19-13.8	155-20.5	0.7	4.6	24	161	11.8	0.43	0.7	0.8	0.17	C
	29	1	46 24.4	19-13.4	155-20.8	1.0	2.9	24	162	11.7	0.31	0.7	1.1	0.19	C
	29	1	48 56.2	19-15.4	155-21.0	5.1	1.9	21	152	6.2	0.10	0.7	0.8	0.17	C
	29	1	49 59.3	19-14.9	155-21.5?	0.0	1.9	22	154	7.6	5.07	0.8	9.6	0.23	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 29	1	50	46.9	19-15.0	155-22.6	0.3*	1.9	12	170	7.6	0.13	0.9		0.19	C
29	1	51	51.9	19-15.3	155-22.4	6.7	2.0	16	146	7.7	0.10	0.9	0.7	0.20	B
29	1	53	17.5	19-14.5	155-20.3	3.4	2.8	19	158	11.5	0.16	1.0	1.1	0.19	C
29	1	54	30.0	19-14.0	155-21.5	3.3	2.7	21	158	10.2	0.11	0.7	1.0	0.16	C
29	1	57	24.0	19-14.5	155-20.2?	0.7	2.5	24	158	6.9	0.41	0.7	1.5	0.19	C
29	2	0	10.8	19-14.6	155-21.9?	0.0	2.0	22	155	8.5	3.88	0.6	7.3	0.16	C
29	2	9	25.1	19-14.8	155-20.9	4.0	1.9	18	156	7.0	0.12	0.9	0.9	0.20	C
29	2	10	37.0	19-15.5	155-21.8?	0.0	1.9	21	148	8.7	4.47	0.7	8.5	0.18	C
29	2	20	20.8	19-14.6	155-22.5?	0.0	1.1	15	167	8.1	6.97	1.1	13.3	0.22	C
29	2	30	11.1	19-14.9	155-22.2	0.3*	1.9	16	167	8.4	0.13	1.0		0.20	C
29	2	35	58.3	19-14.6	155-21.1	1.3	1.8	12	186	10.4	2.70	1.1	10.1	0.15	C
29	2	43	13.0	19-12.8	155-21.1?	0.0	2.0	19	183	10.3	5.27	0.9	10.0	0.18	C
29	2	51	15.0	19-14.9	155-21.4	0.9	2.4	24	154	7.4	0.36	0.8	1.3	0.22	C
29	2	53	12.3	19-13.9	155-21.4	2.6	2.4	20	158	10.3	0.13	0.8	1.1	0.16	C
29	2	56	0.6	19-13.9	155-20.8	1.5	2.1	22	159	8.4	1.56	1.0	5.6	0.21	C
29	3	1	34.4	19-11.0	155-20.8?	0.0		18	174	12.7	5.33	1.0	10.0	0.19	C
29	3	3	43.5	19-13.5	155-21.7?	0.0	2.2	19	160	9.8	4.67	0.7	8.8	0.17	C
29	3	10	37.1	19-13.8	155-21.9	0.5*	2.0	19	158	9.5	0.07	0.6		0.13	C
29	3	30	20.4	19-14.0	155-21.9?	0.0	2.0	14	182	9.3	8.30	1.4	15.6	0.24	C
29	3	36	31.3	19-16.0	155-20.7	8.0*	1.9	16	167	5.2	0.09	0.8		0.12	C
29	3	49	6.2	19-13.4	155-22.3	2.9	2.0	14	183	9.5	0.14	1.0	1.2	0.17	C
29	3	52	39.5	19-13.0	155-22.2?	0.0	2.0	14	197	10.1	5.50	1.2	10.4	0.19	C
29	3	57	49.3	19-20.0	155-13.4	7.9		14	190	4.7	0.07	0.5	0.3	0.08	B
29	4	1	7.6	19-13.3	155-21.2	0.6	3.4	22	162	11.2	0.31	0.7	0.6	0.16	C
29	4	12	25.0	19-14.8	155-22.1	6.3	1.9	20	168	8.3	0.10	0.9	0.6	0.18	C
29	4	13	34.6	19-13.8	155-21.3?	0.0	2.1	19	159	8.9	5.00	0.8	9.4	0.16	C
29	4	15	19.0	19-13.4	155-21.9?	0.0	2.2	20	160	10.1	5.40	0.9	10.2	0.20	C
29	4	21	21.0	19-14.6	155-20.5?	0.0	1.9	16	217	6.9	7.38	1.5	13.9	0.21	C
29	4	35	4.6	19-14.1	155-20.9	0.1	2.9	23	175	8.2	0.37	0.9	0.7	0.18	C
29	4	52	59.9	19-15.5	155-21.0	0.3	2.4	23	151	9.5	0.46	0.7	0.9	0.15	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 29	4	54	41.5	19-13.6	155-21.4?	0.0	2.0	20	160	9.3	5.36	0.8	10.1	0.20	C
29	5	4	23.6	19-13.5	155-21.3?	0.0	2.0	19	161	9.5	5.51	0.9	10.4	0.19	C
29	5	11	7.0	19-14.9	155-22.1	6.7	2.0	16	150	8.2	0.09	0.8	0.6	0.17	B
29	5	11	28.1	19-14.4	155-21.3?	1.1	2.6	22	157	8.1	4.26	0.7	8.1	0.16	C
29	5	12	55.1	19-14.6	155-21.3?	0.0	2.4	23	155	7.9	0.40	0.6	0.7	0.16	C
29	5	29	3.4	19-13.5	155-21.7?	0.0	2.0	16	205	9.9	6.24	1.2	11.7	0.20	C
29	5	51	39.8	19-15.1	155-22.0?	0.0	1.9	20	162	7.9	4.95	0.8	9.4	0.20	C
29	5	56	33.4	19-14.9	155-20.8	2.2	1.9	20	167	10.7	0.11	0.7	1.1	0.15	C
29	6	2	31.6	19-15.7	155-21.2?	0.0	1.9	19	163	9.1	3.52	0.6	6.7	0.13	C
29	6	8	48.6	19-14.3	155-21.2	0.0	2.3	22	168	8.2	0.50	0.8	0.9	0.19	C
29	6	17	7.5	19-13.3	155-20.7	1.2	3.3	20	173	12.0	1.01	0.7	3.6	0.15	C
29	6	19	42.9	19-14.4	155-21.5?	0.0	2.7	23	166	8.3	0.44	1.0	0.8	0.24	C
29	6	23	42.9	18-50.5	155-21.2	9.2		11	272	36.3	0.83	4.9	3.7	0.15	D
29	6	50	9.2	19-14.2	155-20.6?	0.0	2.0	20	159	11.4	4.30	0.8	8.1	0.20	C
29	7	1	48.8	19-13.5	155-22.2	2.5	2.3	20	158	9.5	0.13	0.8	1.2	0.19	C
29	7	57	35.6	19-15.5	155-20.8	3.5	1.9	17	152	5.9	0.13	1.0	1.6	0.19	C
29	8	2	27.4	19-15.4	155-21.3?	0.0	1.5	20	151	6.6	4.56	0.7	8.6	0.18	C
29	8	5	35.1	19-13.2	155-22.7	4.0	2.2	20	159	9.2	0.10	0.7	0.8	0.17	C
29	8	8	40.2	19-15.3	155-21.6	6.1	1.5	17	151	7.1	0.11	0.9	0.8	0.20	C
29	8	52	2.2	19-15.4	155-22.9	0.8*		8	160	8.8	0.12	1.2		0.16	C
29	9	43	25.9	19-15.0	155-22.4	0.2*		15	148	7.9	0.12	0.9		0.20	C
29	9	59	56.2	19-23.4	155-14.8	2.1*	0.8	8	101	2.5	0.04	0.3		0.05	B
29	10	23	9.2	18-49.2	155-19.1	2.1*	3.0	20	264	40.5	0.54	3.4		0.17	D
29	10	42	7.9	19-14.4	155-23.3	5.5		11	171	7.1	0.11	1.0	0.9	0.14	C
29	11	44	32.5	19-13.1	155-22.8?	0.0	2.2	17	175	9.2	7.70	1.2	14.6	0.25	C
29	11	49	28.2	19-19.5	155- 9.4	8.0*	1.8	8	269	4.9	0.74	4.1		0.15	D
29	12	20	43.0	19-23.6	155-15.2	1.7	0.9	8	100	2.5	0.02	0.1	0.1	0.03	A
29	12	47	49.5	19-14.6	155-23.5	3.5	2.0	14	144	6.5	0.10	0.8	1.3	0.16	B
29	12	55	47.3	19-13.1	155-22.5?	0.0	2.0	15	159	9.6	7.51	1.2	14.2	0.25	C
29	12	59	39.1	19-13.8	155-23.2	6.6		12	178	7.8	0.15	1.3	0.9	0.20	C

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 29	13	0	29.9	19-13.9	155-23.3	5.2	1.9	12	168	7.6	0.11	0.9	0.8	0.15	C
29	13	0	42.1	19-13.4	155-22.3	2.6	2.8	19	158	9.5	0.13	0.9	1.1	0.19	C
29	13	12	43.3	19-13.9	155-23.1	2.8	2.0	16	154	7.9	0.15	1.1	1.3	0.22	C
29	13	22	36.7	19-14.1	155-23.3?	0.0	2.0	18	150	7.3	4.93	0.7	9.3	0.18	C
29	14	27	37.5	19-20.6	155-18.8	26.8		21	66	2.7	0.12	0.8	1.3	0.11	B
29	15	31	25.0	19-23.3	155-14.6	2.9	1.1	7	106	2.6	0.18	0.5	1.9	0.05	B
29	15	54	39.7	19-23.3	155-14.5	3.6	1.2	9	110	2.5	0.11	0.4	1.2	0.05	A
29	16	2	29.1	19-23.2	155-14.8	2.2*	1.2	11	105	2.4	0.06	0.4		0.11	B
29	17	14	25.1	19-14.2	155-23.7	0.0	2.2	15	146	6.6	8.06	1.1	15.3	0.23	C
29	17	20	48.4	19-15.9	155-22.1	1.0	1.9	18	142	7.3	1.25	0.8	4.6	0.17	C
29	17	24	59.1	19-14.5	155-22.3	3.6	1.9	14	152	8.4	0.15	1.1	1.4	0.24	C
29	17	37	21.9	19-13.6	155-22.4?	0.0	2.0	21	156	9.2	4.68	0.8	8.8	0.18	C
29	17	55	8.2	19-13.8	155-21.3?	0.0	2.8	23	159	9.0	4.68	0.9	8.8	0.19	C
29	18	3	32.9	19-13.6	155-20.1?	0.0		18	163	8.5	5.97	1.1	11.2	0.23	C
29	18	8	59.7	19-15.2	155-22.0	3.6		15	149	7.8	0.13	1.0	1.3	0.21	C
29	18	37	24.4	19-21.9	155-18.4	2.0*	1.2	10	75	3.6	0.04	0.3		0.07	B
29	18	54	26.9	19-13.3	155-22.4	0.8*		11	188	9.4	0.21	1.4		0.24	C
29	20	10	2.6	19-13.9	155-21.4?	0.0	2.0	18	158	8.9	9.25	1.4	17.4	0.22	C
29	20	14	22.7	19-14.0	155-23.2	6.9		15	152	7.6	0.09	0.9	0.6	0.17	C
29	20	57	49.1	19-21.0	155- 6.5	8.0*	2.4	17	146	6.2	0.09	0.9		0.13	C
29	23	48	2.2	19-14.9	155-21.6?	0.0	1.8	18	153	7.7	4.39	0.7	8.3	0.18	C
30	0	37	15.7	19-22.1	155-18.3	1.0	-0.4	9	137	3.4	0.12	0.5	0.5	0.11	B
30	2	49	39.5	18-51.3	155-20.0	11.0*	2.7	19	258	36.3	0.36	2.4		0.16	D
30	2	54	15.2	19-17.0	155-20.8	2.9	1.3	17	142	7.4	0.12	0.9	1.1	0.19	B
30	3	7	49.3	19-10.7	155-21.1?	0.0	2.1	18	175	12.1	5.79	1.1	10.9	0.21	C
30	4	17	49.5	19-18.4	155-14.3	8.0*	1.0	11	215	6.2	0.17	1.1		0.11	C
30	8	13	33.5	19-23.2	155-14.4	2.0	0.5	11	103	2.8	0.05	0.3	0.3	0.09	A
30	9	41	52.9	18-54.6	155-17.6	5.7	2.4	20	252	32.9	1.26	2.8	7.3	0.20	D
30	10	34	56.2	19-15.1	155-22.7	0.3*	2.0	13	168	7.4	0.12	0.9		0.18	C
30	11	41	45.4	19-18.5	155-23.9?	3.6	1.7	13	134	3.2	0.41	0.8	1.4	0.17	B

SUMMARY OF SEISMIC EVENTS (CONTINUED)

1971	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	ERT	ERH	ERZ	MD	Q
DEC 30	12	31	33.5	19-15.8	155-21.8?	0.5	2.4	20	146	8.5	0.95	0.6	3.5	0.15	B
30	13	7	38.2	19-22.4	155-18.0	1.4	1.2	12	76	2.6	0.11	0.5	0.5	0.17	B
30	15	53	2.6	19-22.8	155- 3.3?	4.5	2.0	17	117	5.3	0.19	1.5	1.2	0.30	C
30	20	40	48.1	19-23.9	155-15.3	3.8	1.9	17	82	2.2	0.07	0.5	0.8	0.14	B
30	22	32	20.6	18-48.5	155-19.0	2.2*	3.6	26	267	41.5	0.43	2.7		0.14	D
30	23	9	0.8	18-48.6	155-19.0	1.3*	2.7	24	266	41.3	0.47	3.0		0.15	D
30	23	29	17.6	18-44.1	155-18.8	8.0*	2.8	15	289	46.1	0.84	5.4		0.15	D
30	23	52	56.5	19-19.6	155-12.4	3.6		15	216	5.2	0.24	1.2	1.2	0.18	C
31	0	12	5.3	19-19.6	155- 9.0	3.8		17	172	4.8	0.16	1.1	1.0	0.21	C
31	0	22	30.9	19-13.9	155-22.6	0.2*	2.2	13	157	11.7	0.10	0.8		0.13	C
31	1	12	53.1	19-20.1	155-12.2	6.1	1.6	20	158	4.3	0.10	0.7	0.6	0.19	C
31	5	18	34.5	19-25.5	155-15.4	28.2	2.0	22	95	0.5	0.13	0.8	1.3	0.13	B
31	6	57	34.8	19-24.3	155-17.4	0.9	0.6	7	97	1.2	0.07	0.4	0.7	0.07	B
31	8	23	5.6	19-23.7	155-14.9	2.3	1.0	12	94	2.1	0.12	0.4	0.5	0.10	B
31	8	34	2.6	19-17.7	155-16.3	27.9	2.1	18	198	4.1	0.30	1.7	2.2	0.13	C
31	9	11	43.7	19-19.7	155- 7.0?	0.7	2.9	24	156	6.6	5.62	1.3	10.6	0.34	D
31	12	21	12.3	19-19.1	155-15.9	5.7	1.8	21	165	3.3	0.11	0.8	0.7	0.18	C
31	14	1	32.7	19-13.8	155-22.2?	0.0	2.1	22	156	9.9	5.81	1.2	10.9	0.28	D
31	14	36	25.0	19-14.4	155-22.8?	0.0	2.1	22	151	7.8	4.68	0.8	8.8	0.22	C
31	15	33	48.6	19-22.9	155-14.7	3.0	2.6	23	112	2.3	0.06	0.5	0.7	0.17	B
31	15	39	13.0	19-23.2	155-14.6	4.2	1.4	13	104	2.7	0.11	0.4	1.2	0.09	A
31	17	13	22.8	19-16.9	155-23.5	4.6	1.7	13	128	6.2	0.10	0.9	1.0	0.15	B
31	18	30	41.5	19-24.9	155-16.4	1.8	1.7	17	103	1.0	0.07	0.4	0.3	0.13	B
31	18	51	31.7	19-24.7	155-16.4	1.3	0.4	10	92	1.1	0.04	0.2	0.2	0.06	A
31	19	52	22.6	19-19.5	155- 8.5	3.5	2.1	20	175	5.3	0.17	1.1	1.1	0.26	C
31	20	8	52.3	18-45.9	155-18.8	8.0*	2.9	18	274	44.2	0.53	3.4		0.15	D
31	20	39	24.1	19-19.9	155-13.2	5.8	1.7	18	159	4.8	0.11	0.8	0.6	0.17	C
31	21	1	43.2	19-19.3	155- 9.7	3.3	1.8	20	176	5.2	0.18	1.1	1.1	0.24	C
31	22	41	55.1	19-11.6	155-30.7	5.3	2.0	19	87	6.3	0.14	1.0	1.0	0.22	C
31	23	8	18.5	19-23.4	155-14.8	3.2	1.0	12	100	2.5	0.07	0.3	1.1	0.07	A

Table 3. Felt earthquakes

Date	Time H	M	S	Magnitude	Felt report
Oct 11	23	04	14.7	3.2	Kapapala
12	08	49	29.9	3.5	Kapapala
29	14	53	25.6	2.4	Captain Cook
Nov 14	12	27	11.3	3.5	Hilo, Volcano
Dec 2	05	40	08.7	3.6	Hilo, Volcano, Glenwood, Pahoa
5	14	47	11.5	3.6	Volcano
6	00	02	02.3	1.8	Hawaii National Park
9	02	15	57.1	4.3	Hilo, Volcano, Mt. View, Kulani Camp
14	08	05	32.8	3.3	Kapapala
20	01	49	12.5	3.6	Kapapala
20	04	12	53.0	3.0	Kapapala
20	05	43	08.5	3.2	Kapapala
23	20	29	17.6	3.1	Kapapala
23	20	30	53.4	2.9	Kapapala
23	22	02	18.8	4.0	Kapapala, Hilo, South Kona
24	08	00	56.8	3.9	Kapapala
24	16	11	11.7	3.9	Kapapala
24	16	13	47.9	2.8	Kapapala
24	17	38	10.9	4.1	Kapapala, Hilo, South Kona
24	17	56	19.4	2.9	Kapapala
24	19	54	42.8	3.3	Kapapala
24	20	47	30.3	3.3	Kapapala
25	05	00	39.9	2.8	Kapapala
26	01	14	00.8	4.1	Hilo, Kapapala, South Kona
26	01	22	38.8	2.0	Kapapala
26	01	26	37.9	2.3	Kapapala
26	01	29	26.1	2.5	Kapapala
26	01	30	04.9	2.3	Kapapala
26	01	35	50.1	2.3	Kapapala
26	01	43	30.6	2.0	Kapapala
26	01	56	09.7	2.5	Kapapala
26	02	22	37.9	1.9	Kapapala
26	02	37	29.3	3.4	Kapapala
26	02	54	38.2	3.0	Kapapala
26	02	59	19.8	2.4	Kapapala
26	03	04	49.6	2.3	Kapapala
26	04	22	52.8	1.7	Kapapala
26	04	24	42.0	1.7	Kapapala
26	04	35	56.3	2.0	Kapapala
26	11	16	33.9	2.8	Kapapala
26	11	24	06.2	4.5	Hilo, Kealakekua, Kapapala, South Kona, Naalehu
26	16	07	49.1	3.5	Kapapala, South Kona

Table 3. Felt earthquakes--Continued

Date	Time H	M	S	Magnitude	Felt report
Dec 26	16	24	44.1	3.2	South Kona
26	16	37	35.8	3.4	South Kona
26	16	39	55.4	3.3	South Kona
26	18	44	47.6	2.7	Kapapala
26	21	31	28.0	3.8	Kapapala, Hilo
26	21	46	45.8	3.7	Kapapala, Hilo, South Kona
26	22	31	43.7	3.0	Kapapala
27	02	27	15.7	2.4	Kapapala
27	07	22	37.8	3.5	Kapapala
27	15	11	51.0	4.6	Pahala, Volcano, Kapapala, Mt. View, Hilo, South Kona
27	16	13	09.5	3.4	Glenwood
27	17	09	54.2	4.0	Kapapala, Hilo, South Kona, Volcano, Mt. View
28	16	20	06.0	3.7	Glenwood
28	16	59	11.1	4.6	Island-wide
29	00	42	01.9	4.0	Kapapala, Hilo, Paauilo
29	01	38	41.7	4.6	Hilo, Paauilo, Volcano, Kapapala
29	04	01	07.6	3.4	Kapapala
29	06	17	07.5	3.3	Kalapana
29	10	23	09.2	3.1	Volcano, Kapapala, Kealakekua

Many felt earthquakes last week of December--Hilina/SW Rift swarm.

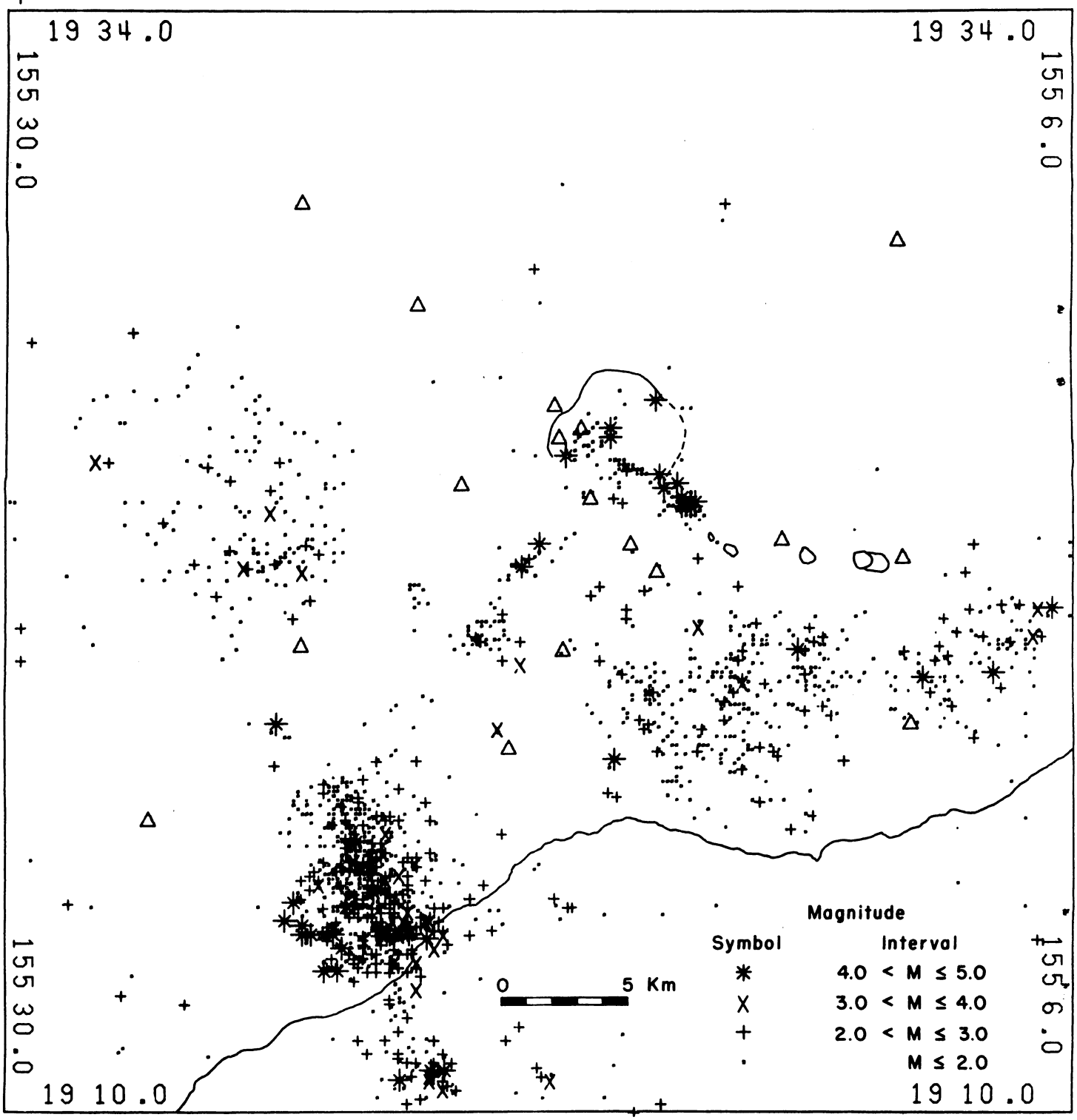

Figure 1.--Plot of epicenters in the Kilauea region. Triangles are seismometer locations. Kilauea Caldera and the major pit craters on the east rift are shown in outline. The Pacific Ocean lies in the lower right portion of the illustration.

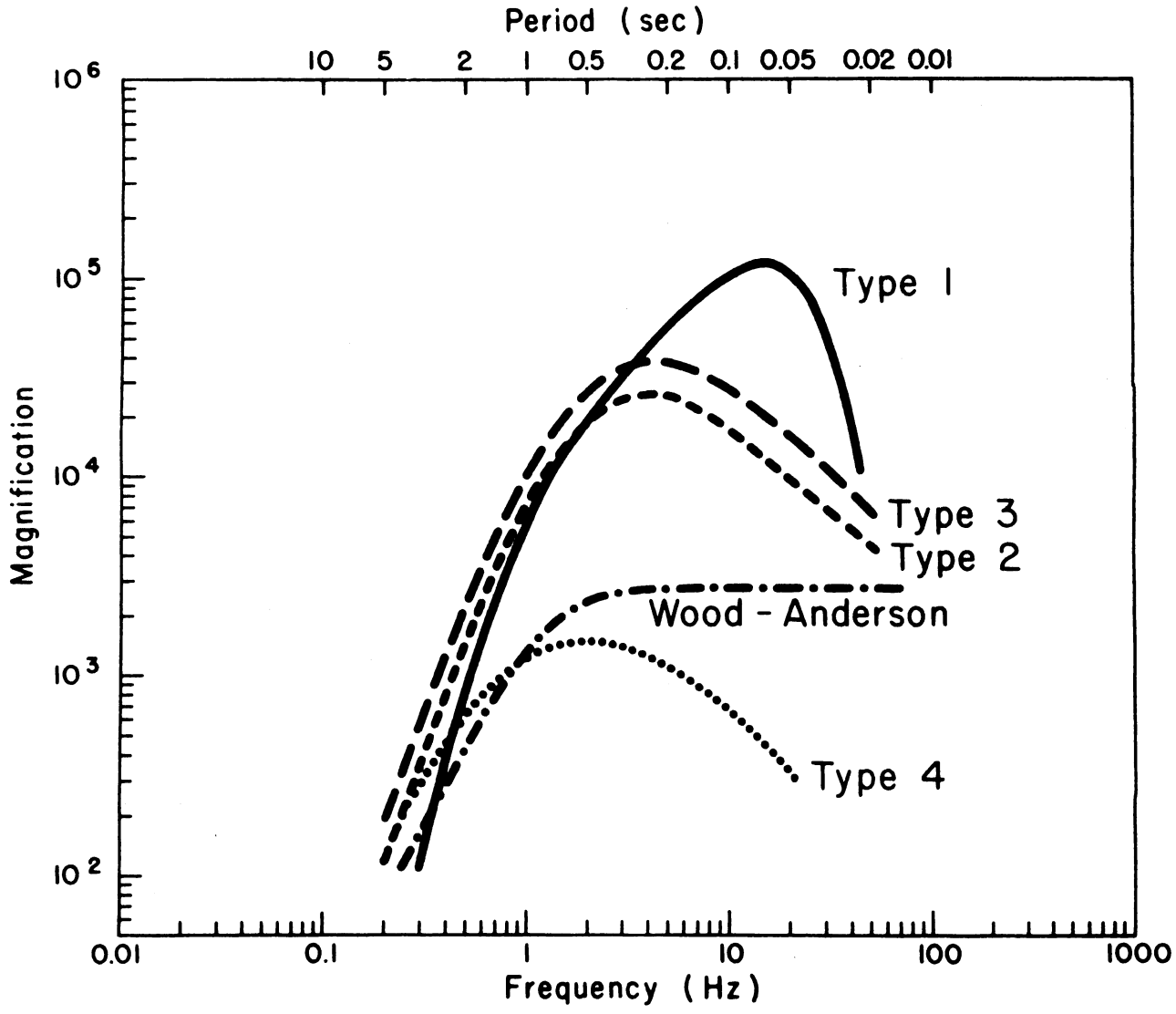

Figure 2.--System response curves for the Wood-Anderson torsion seismograph and for the four different types of seismometer-amplifier (or galvanometer) combinations in use by the Hawaiian Volcano Observatory.

Table 4. Seismometer stations in Hawaii operated by the U. S. Geological Survey.

STATION NAME	CODE	LAT-N	LONG-W	ELEV	TYPE	CAL	VCO	RADIO	REMARKS
AHUA	AHU	19 22.40	155 15.90	1070	3	6.0	2380		
CONE PEAK	CPK	19 23.70	155 19.70	1038	3	1.34			
DESERT	DES	19 20.20	155 23.30	815	3	1.34			
ESCAPE ROAD	ESR	19 24.68	155 14.33	1177	3				
HALE POHAKU	HPU	19 46.85	155 27.50	3396	1	5.6	1360	RF6	
HILINA PALI	HLP	19 17.96	155 18.63	707	3	6.0	2040		
HUALALAI	HUA	19 41.25	155 50.32	2189	1	5.2	1700	RF4	
KAHUKU	KHU	19 14.90	155 37.10	1939	1	5.7	1700	RF3	
KAPAPALA RANCH	KPR	19 16.40	155 26.70	610	1	6.5	1700	RF1	
KEANAKOLU	KKU	19 53.39	155 20.58	1863	1	4.8	2380	RF7	
KIPUKA NENE	KPN	19 20.10	155 17.40	924	3	1.34			
KOHALA	KOH	20 7.69	155 46.77	1166	1	1.5	2380	RF2	
MAUNA LOA	MLO	19 29.80	155 23.30	2010	1	6.5	1360		
MAUNA LOA X	MLX	19 27.60	155 20.70	1475	3	1.34			
MAKAOPUHI	MPR	19 22.07	155 9.85	881	1	5.7	2720	RF5	
MOKUAWEOWEO	MOK	19 29.28	155 35.98	4104	1	6.5	2040	RF3	
MOUNTAIN VIEW	MTV	19 30.25	155 3.75	409	1	6.2	680	RF8	
NORTH PIT	NPT	19 24.90	155 17.00	1115	3	1.34			
OUTLET	OTL	19 23.38	155 16.94	1038	3	5.0			
PUU HULUHULU	PHH	19 22.45	155 12.66	988	3				
PUU HONUAULA	PHO	19 28.90	154 53.40	215	1	6.5	2720	RF1	
PUU PILI	PPL	19 9.50	155 27.87	35	1	4.4	1360	RF11	
SOUTH POINT	SPT	18 58.91	155 39.92	244	1	7.8	2040	RF7	
WAHAULA	WHA	19 19.90	155 2.92	29	1	6.0	680	RF9	
WALDRON LEDGE	WLG	19 25.49	155 15.69	1067	3				
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	0	1.0			Wood-Anderson
HALEAKALA NS	HAN	20 46.00	156 15.00	2090	0	1.0			Wood-Anderson
HILO Z	HIL	19 43.20	155 5.30	20	3	1.0			
HILO EW	HIE	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
HILO NS	HIN	19 43.20	155 5.30	20	0	1.0			Wood-Anderson
KAMUELA	KAM	20 1.90	155 42.00	740	2	0.7			Discontinued 10/31/71
KEALAKEKUA Z	KLK	19 31.20	155 55.30	505	2	1.0			
KEALAKEKUA EW	KLE	19 31.20	155 55.30	505	2	0.34			
KEALAKEKUA NS	KLN	19 31.20	155 55.30	505	2	0.34			
KIPAPA	KIP	21 25.40	158 .90	76	3	0.56			
UWEKAHUNA Z	UWE	19 25.40	155 17.60	1240	3	0.7			
UWEKAHUNA Z	USZ	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA EW	USE	19 25.40	155 17.60	1240	4	1.0			
UWEKAHUNA PEZ		19 25.40	155 17.60	1240					15-90 Press Ewing
UWEKAHUNA PEE		19 25.40	155 17.60	1240					
UWEKAHUNA PEN		19 25.40	155 17.60	1240					

Table 5.--Seismic Instrumentation Types

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.

Type 2. Consists of:

a) EV-17 - Electrotech EV-17 1.0 sec. period moving magnet vertical or horizontal component seismometer.

b) 3.5 Hz galvanometer with appropriate shunt resistances for critical damping. System is poorly calibrated.

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.

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 the 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 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 17, Summary 61.

Table 6.--Tilt Coordinates at Uwekahuna, October, November, and December 1971

Date	N-S	E-W	Date	N-S	E-W
Oct. 3	690	353	Dec. 5	712	330
10	692	350	12	716	329
17	693	345	19	718	327
24	696	343	26	718	327
31	700	339			
Nov. 7	700	339			
14	705	335			
21	709	331			
28	711	329			

Table 7.--Tilt coordinates and changes at bases around Kilauea caldera. (See fig. 4)

Tilt base	Date (1972)	1/ Tilt N-S	Coordinates E-W	Rate (10^{-6} rad/mo) and direction of tilting since last reading	Date of last reading (1971)
Uwekahuna (U on fig. 4)	19 Jan	751.9	346.3	17.55 N26.5°W	30 Sep
Tree Molds (TM)	19 Jan	584.6	482.4	8.29 N11.1°W	30 Sep
Sand Spit (SS)	20 Jan	1047.7	725.8	18.99 N86.7°E	15 Jun
Mehana (M)	19 Jan	609.0	599.9	3.12 N34.7°E	1 Oct
Keamoku (Kea)	20 Jan	791.9	210.5	12.68 N54.7°W	29 Sep
Ahua Kamokukolau (Kam)	20 Jan	339.0	540.2	28.99 S 6.4°E	1 Oct
Kipuka Nene (KN)	27 Jan	277.3	501.1	1.42 S 2.1°W	5 Oct
Hilina Pali (HP)	27 Jan	454.7	493.1	0.32 S 9.5°W	5 Oct
Kapapala Ranch (Kap)	26 Jan	481.3	521.3	0.68 S31.3°E	29 Sep

1/ See Table 8 HVO Summary 60

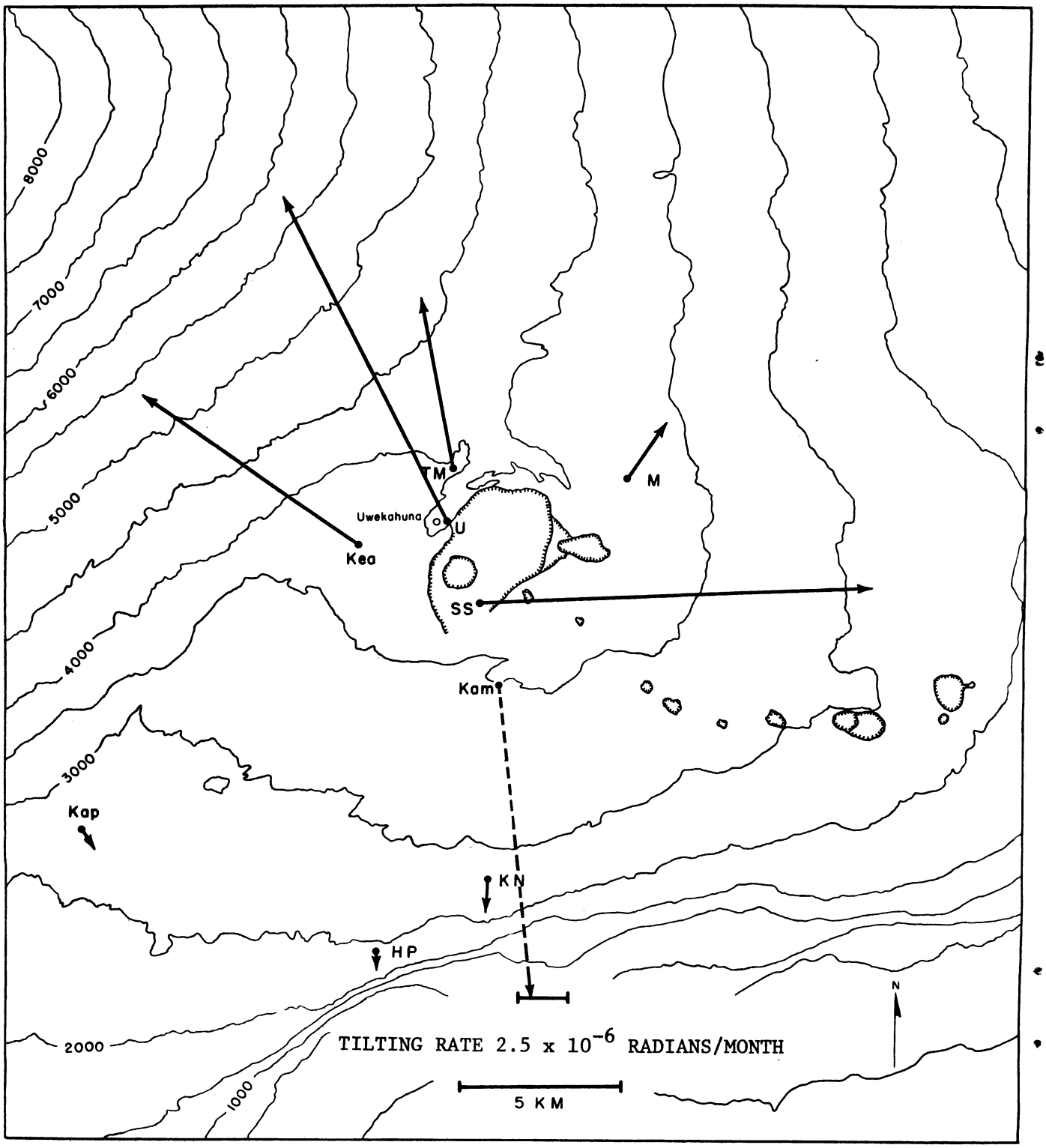

Figure 3.--Tilting of the ground around Kilauea Caldera. The vector depicting tilting at a given tilt base points in the direction of maximum relative subsidence, and its length is proportional to the rate of tilting during the measurement interval. Closed circles represent field tilt bases; open circles, short-base watertube tiltmeters. See Table 7 for explanation of abbreviations.

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