ALEUTIAN SEISMIC PROGRAM
HYPOCENTER SUMMARY
OCTOBER 1972 through APRIL 1973

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BRANCH OF SEISMIC ENGINEERING

JUNE 1973

PREPARED FOR THE U. S. ATOMIC ENERGY COMMISSION
NEVADA OPERATIONS OFFICE
UNDER MEMORANDUM OF AGREEMENT AT(29-2)-746

MASTER

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ABSTRACT

The purpose of this summary is to collect and distribute preliminary data acquired from an Aleutian network of seismograph stations. Data analysis and hypocenter computation was performed by the Branch of Seismic Engineering, USGS, Las Vegas, Nevada. These computations are preliminary and may be revised on the basis of current research.

The Aleutian hypocenter summary is a listing of all earthquakes located with a network of seismograph stations operated by the Branch of Seismic Engineering in the western Aleutian Islands. Figure 1 is a map showing locations of the network stations. The summary lists the date, time, geographic coordinates, and depth of each event. The letter F or D following depth indicates either free depth solution (F) or a fixed solution (D) found by restraining the depth to 50 Km intervals.

A complete listing of individual station data is available and may be obtained on request. The individual station data includes the date and time of all scaled phases, the azimuth and distance from station to event, and the computed residual for each phase. The period, amplitude, and magnitude from selected stations is also included for earthquakes that were recorded well enough for these measurements to be made.

Seismicity of the Rat Island Region maps show epicenter locations by month. Seismicity of Amchitka Island and Vicinity maps were prepared to give a more detailed view of earthquakes occurring on or near Amchitka Island and to show any relation of earthquake occurrence with mapped faults or with the Cannikin GZ. The computed depth in kilometers is shown below the epicenter. Geology is from USGS

report 474-44, "Progress Report on the Geology of Amchitka Island, Alaska", by W. J. Cain and W. D. Quinlivan.

The body wave magnitudes (M_b) that appear in the summary were obtained from the Preliminary Determination of Epicenters (PDE) published by the NOAA/ESL in Boulder, Colorado. Local magnitudes are from ADAK Observatory.

During the period covered by this summary there were two earthquakes reported felt on Amchitka. The first was on December 23 with intensity (MM) reported as IV. The second was on April 30, the last day the net was in operation, with no intensity reported. Magnitude determinations (M_b) for these two earthquakes were 5.2 and 4.9 respectively.

This summary concludes the Aleutian Seismic Program which has been operated continuously by the Branch of Seismic Engineering since mid-1969. Any inquiries concerning data from the Aleutian net should be directed to the Branch of Seismic Engineering, 3060 South Highland Drive, Las Vegas, Nevada 89109.

Figure 1. Aleutian Net Station Location Map

Table 1. Stations in the Aleutian Seismic Net

<u>Station Code</u>	<u>Location</u>	<u>Date Opened</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Elevation in Meters</u>	<u>Remarks</u>
ACA	Amchitka Is.	8 May 71	51°28'51.4"N	179°07'09.6"E	42	Closed 11 Dec. 72
ACB	Amchitka Is.	8 May 71	51°27'45.4"N	179°05'27.3"E	47	Closed 31/June 72
ACC	Amchitka Is.	8 May 71	51°29'03.4"N	179°02'35.2"E	26	Closed 31/June 72
ACD	Amchitka Is.	8 May 71	51°25'41.4"N	179°08'11.8"E	37	Closed 31 June 72
ACE	Amchitka Is.	8 May 71	51°24'01.8"N	179°10'21.9"E	9	Closed 31 June 72
ACF	Amchitka Is.	8 May 71	51°31'32.7"N	178°59'38.9"E	62	Closed 31 June 72
ADK	Adak Is.		51°53'01.4"N	176°41'04.3"W	116	In Operation
AMA	Amatignak Is.	9 Oct 70	51°17'17.5"N	179°06'33.5"W	503	Closed 30 Apr 73
ANA	Amchitka Is.	25 Aug 69	51°37'34.9"N	178°39'41.8"E	133	Closed 30 Apr 73
AND	Amchitka Is.	18 July 70	51°33'44.4"N	178°57'12.4"E	187	Closed 30 Apr 73
ASB	Amchitka Is.	25 May 69	51°21'37.8"N	179°14'50.3"E	34	Closed 30 Apr 73
ASC	Amchitka Is.	28 July 69	51°27'44.9"N	179°09'53.9"E	40	Closed 11 Dec 72
ASD	Amchitka Is.	29 May 69	51°23'26.9"N	179°20'31.6"E	61	Closed 30 Apr 73
GMA	Granite Mountain, AK	18 Sept 70	65°25'43.0"N	161°13'55.0"W	856	In Operation

Table 1. Stations in the Aleutian Seismic Net (cont'd)

<u>Station Code</u>	<u>Location</u>	<u>Date Opened</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Elevation in meters</u>	<u>Remarks</u>
NIK	Nikolski	20 May 71	52°58'27.5"N	168°51'10.8"W	207	In Operation
RAT	Rat Island	14 Oct 70	51°47'56.7"N	178°19.48.3"E	226	Closed 30 Apr 73
SMY	Shemya Island	17 Nov 70	52°43'51.0"N	174°06'11.0"E	58	In Operation
SSI	Semisopochnoi Island	17 Oct 70	51°53'32.8"N	179°35'17.9"E	177	Closed 30 Apr 73

Table 2. Earthquakes Magnitude 5 or Greater

<u>Date</u>	<u>Time</u>	<u>M_b</u>	<u>M_L</u>	<u>Dist. from ASB (Km)</u>	<u>Felt Report</u>
Dec 23	0217	5.2	5.6	*69	IV (Amchitka)
Jan 13	2158	5.0		107	None
Feb 1	1724	5.3	6.2	167	III (SHEMYA)
Feb 13	1953	5.4	5.6	116	II (ADAK)
Mar 19	1141	5.8	5.8	395	IV (SHEMYA)
Apr 6	0146	5.0	4.9	153	II (ADAK)

* Distance from Station AND

Figure 2. Seismicity of the Rat Island Region, October 1972. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km in depth are represented by triangles.

Figure 3. Seismicity of Amchitka Island and vicinity, October 1972. Circles show epicenter locations with depth in Km indicated by number below circle.

Figure 4. Seismicity of the Rat Island Region, November 1972. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km in depth are represented by triangles.

Figure 6. Seismicity of the Rat Island Region, December 1972. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km in depth are represented by triangles.

Figure 7. Seismicity of Amchitka Island and vicinity, December 1972. Circles show epicenter locations with depth in Km indicated by number below circle.

Figure 8. Seismicity of the Rat Island Region, January 1973. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km are represented by triangles.

Figure 9. Seismicity of Amchitka Island and vicinity, January 1973. Circles show epicenter locations with depth in Km indicated by number below circle.

Figure 10. Seismicity of the Rat Island Region, February 1973. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km in depth are represented by triangles.

Figure 11. Seismicity of Amchitka Island and vicinity, February 1973. Circles show epicenter locations with depth in Km indicated by number below circle.

Figure 12. Seismicity of the Rat Island Region, March 1973. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km in depth are represented by triangles.

Figure 14. Seismicity of the Rat Island Region, April 1973. Earthquakes 50 Km or less in depth are shown by solid circles. Earthquakes greater than 50 Km are represented by triangles.

Figure 15. Seismicity of Amchitka Island and vicinity, April 1973. Circles show epicenter locations with depth in Km. indicated by number below circle.

OCT HYPOCENTER SUMMARY

OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
01	4 14 30.71	50.85 N	178.95 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
01	6 22 40.15	51.75 N	179.09 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	10 46 51.50	51.45 N	179.73 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	12 8 39.32	51.62 N	178.90 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	12 29 6.43	52.10 N	178.10 E	158.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	14 2 43.11	51.88 N	176.54 E	100.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	16 18 19.06	51.56 N	179.17 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	16 37 13.53	51.54 N	178.73 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	16 55 37.47	50.29 N	178.28 E	100.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
01	20 32 16.62	51.32 N	178.68 E	24.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	1 43 27.56	51.70 N	177.98 E	70.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	6 28 23.69	50.57 N	173.72 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
02	7 21 34.46	51.60 N	179.61 W	65.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
02	8 20 45.76	50.10 N	179.77 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
02	12 17 35.56	51.57 N	178.80 E	20.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	15 10 55.70	52.19 N	175.58 E	150.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
02	17 57 3.63	51.63 N	178.89 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	18 57 10.55	51.22 N	179.94 W	41.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
02	19 4 57.88	51.52 N	178.03 W	100.0 D	ANDREANOF ISLANDS, ALEUTIAN ISLANDS
02	19 42 6.50	51.63 N	178.89 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	20 36 32.60	50.60 N	178.94 W	25.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
02	23 42 55.17	51.42 N	178.78 E	43.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
03	3 39 1.82	51.83 N	178.57 E	104.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
03	22 15 58.21	51.44 N	179.22 E	37.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	4 56 24.98	51.08 N	178.91 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	12 18 37.76	51.40 N	177.71 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	15 43 7.70	51.96 N	179.13 E	110.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	16 52 13.19	51.05 N	179.00 E	28.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	16 56 47.11	50.93 N	179.00 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	17 0 43.74	50.92 N	178.99 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	17 3 50.89	50.86 N	178.95 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

OCT HYPOCENTER SUMMARY

OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
04	17 38 48.09	51.42 N	179.15 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	18 29 50.29	51.42 N	179.17 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
05	1 45 9.00	51.31 N	179.56 E	40.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	2 24 17.68	51.42 N	178.79 E	45.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	3 55 48.33	51.32 N	178.81 E	36.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	10 0 4.36	50.39 N	177.97 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
05	10 56 33.43	51.07 N	179.42 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
05	16 7 30.83	51.80 N	179.54 W	98.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
05	17 31 23.04	51.50 N	179.62 E	70.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	22 37 5.80	51.55 N	178.96 W	76.5 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	1 14 3.61	50.76 N	179.69 W	50.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	4 35 50.80	51.78 N	179.63 E	91.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	5 34 19.19	51.33 N	178.92 E	48.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	8 29 54.77	51.03 N	179.27 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	10 7 36.25	51.41 N	178.80 E	42.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	14 7 19.79	52.02 N	177.81 E	119.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	16 59 20.38	51.83 N	177.92 W	0.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
06	21 15 57.88	51.08 N	178.71 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	8 10 8.28	51.43 N	179.29 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	20 1 52.75	51.47 N	179.08 E	44.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
09	4 2 15.33	51.90 N	179.67 E	150.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
09	9 22 49.45	51.57 N	179.80 W	113.4 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
09	23 32 28.62	51.93 N	178.27 E	134.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	4 0 45.75	51.44 N	179.49 E	61.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	10 6 18.70	51.21 N	178.53 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	10 25 31.42	50.84 N	179.28 W	23.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
10	11 50 35.66	52.07 N	178.30 E	133.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	13 41 49.29	52.35 N	177.81 E	115.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	16 1 1.92	51.96 N	179.10 W	125.1 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
10	18 10 21.48	51.10 N	179.89 W	3.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
12	2 24 29.89	51.09 N	178.14 W	0.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS

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OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
12	3 37 46.94	52.13 N	179.80 W	180.9 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
12	4 44 49.99	50.62 N	178.57 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	17 26 23.92	51.21 N	179.19 E	38.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	2 29 21.63	51.33 N	178.92 E	47.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	7 26 38.41	51.25 N	179.32 E	41.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	14 12 55.80	51.17 N	177.51 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	20 19 47.48	51.10 N	178.00 W	150.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
14	5 1 15.43	51.24 N	178.73 E	36.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	9 47 40.10	50.98 N	179.10 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	11 50 12.53	50.55 N	177.79 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	13 32 35.11	50.91 N	179.22 W	31.1 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
14	23 21 35.93	52.13 N	178.97 E	150.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	10 26 50.16	51.68 N	179.50 E	88.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	16 58 2.68	51.50 N	179.60 E	74.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	18 14 55.24	50.91 N	177.12 W	150.0 F	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
15	19 22 57.79	51.47 N	178.82 E	40.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	3 21 49.42	51.56 N	179.88 E	9.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	6 16 41.21	51.07 N	179.58 W	36.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
17	10 33 20.24	52.01 N	179.12 E	145.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	13 21 9.94	51.81 N	179.00 E	101.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	16 4 7.69	51.65 N	179.58 E	88.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	17 27 23.98	52.66 N	178.96 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
17	17 32 13.02	51.59 N	177.05 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
17	18 34 44.33	50.91 N	179.09 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
17	20 51 10.35	51.42 N	178.83 E	44.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	22 40 44.53	50.50 N	178.53 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
18	4 44 20.76	51.23 N	179.43 E	44.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	19 47 59.82	51.36 N	178.45 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	23 1 35.47	51.42 N	178.76 E	41.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	0 27 55.21	51.14 N	179.37 E	37.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	4 25 34.44	51.24 N	179.14 W	50.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS

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OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
19	5 23 50.68	51.83 N	178.78 W	90.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
19	9 7 .73	51.28 N	178.93 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	10 23 13.11	51.69 N	179.53 W	91.8 F	DELAPOF ISLANDS, ALEUTIAN ISLANDS
19	10 39 27.47	51.06 N	179.30 W	31.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
19	11 43 33.13	51.76 N	179.34 E	100.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	13 45 17.58	50.97 N	179.22 E	21.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	13 57 49.59	51.42 N	179.28 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
19	17 41 26.27	51.56 N	178.29 E	59.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
20	1 28 28.06	51.87 N	179.11 E	133.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
20	1 50 .99	51.43 N	179.74 E	56.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
20	13 23 26.72	51.42 N	176.99 W	99.1 F	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	17 13 47.89	51.15 N	178.18 W	50.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	19 49 38.81	51.52 N	177.73 E	53.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	0 23 23.14	51.95 N	179.73 E	172.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	4 11 25.43	51.12 N	179.99 E	33.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	5 5 43.98	52.33 N	178.33 E	141.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	9 52 36.62	51.20 N	178.74 E	23.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	11 56 51.77	51.40 N	179.87 E	52.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
21	14 30 .82	51.18 N	178.47 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
22	0 38 25.16	51.62 N	178.53 E	73.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	9 9 19.81	51.69 N	179.45 E	85.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	11 19 17.99	51.69 N	177.44 E	57.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	15 8 58.64	51.18 N	178.36 E	13.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	17 3 14.91	51.23 N	179.56 E	44.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	20 0 54.02	52.64 N	178.93 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
22	23 1 27.99	51.63 N	178.49 E	63.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
22	23 35 33.36	51.36 N	179.90 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	0 9 1.99	51.07 N	179.44 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	10 50 8.36	52.15 N	179.47 W	201.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	20 35 56.85	51.59 N	179.01 E	73.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
24	1 57 13.52	52.27 N	177.85 W	0.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS

OCT HYPOCENTER SUMMARY

OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
24	7 38 47.02	50.70 N	178.56 W	150.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
24	8 19 25.02	51.70 N	179.43 E	84.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
24	13 45 53.93	51.00 N	179.32 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
25	0 24 25.41	49.91 N	179.98 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
25	8 14 44.73	50.02 N	180.00 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
25	12 48 59.30	52.26 N	179.83 W	219.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
25	14 52 59.64	51.32 N	178.82 E	36.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
25	20 41 39.51	51.43 N	178.76 E	43.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
25	22 29 41.53	51.38 N	179.83 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
26	7 58 54.83	51.49 N	178.73 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
26	10 12 43.89	51.44 N	178.83 E	41.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
26	11 25 45.87	50.25 N	179.85 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
27	8 59 7.10	51.30 N	179.04 E	48.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	0 21 55.84	50.91 N	179.17 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
28	1 41 21.84	51.33 N	179.65 E	52.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	2 5 13.28	51.48 N	178.08 E	49.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	4 40 36.17	51.55 N	177.91 E	48.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	5 50 27.72	51.57 N	178.71 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
28	23 0 58.66	51.41 N	179.23 E	36.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	9 51 13.83	51.17 N	179.23 E	43.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	12 9 29.02	52.33 N	179.47 W	220.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	14 10 14.24	51.19 N	178.92 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	14 20 20.96	51.72 N	179.84 W	102.2 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	15 45 12.06	51.35 N	178.73 E	27.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	16 57 .19	50.95 N	178.76 E	26.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	17 32 14.07	51.98 N	179.52 E	154.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	17 59 8.54	51.35 N	179.04 W	62.9 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	19 39 2.48	51.57 N	178.19 E	52.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	20 46 24.54	52.12 N	177.93 W	0.0 D	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	22 54 47.88	51.11 N	179.32 E	34.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	0 7 20.85	52.21 N	178.25 E	196.0 F	RAT ISLANDS, ALEUTIAN ISLANDS

OCT HYPOCENTER SUMMARY

OCT 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
31	0 43 14.63	51.96 N	179.38 E	142.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	5 34 56.73	52.07 N	179.60 E	179.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	21 55 45.69	51.64 N	177.79 E	57.7 F	RAT ISLANDS, ALEUTIAN ISLANDS

NOV HYPOCENTER SUMMARY

NOV 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
01	1 19 43.63	51.47 N	179.21 E	61.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
01	13 42 6.04	51.40 N	179.61 E	63.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	11 42 49.21	51.25 N	179.72 E	50.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	12 16 44.47	50.76 N	178.90 W	0.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	0 38 .46	52.21 N	177.62 E	159.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	1 16 16.28	51.11 N	179.43 W	150.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	8 44 37.97	51.35 N	178.74 E	37.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	9 0 55.04	51.12 N	179.97 E	37.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	11 26 53.03	50.71 N	179.56 E	50.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	15 11 24.38	51.23 N	179.63 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	15 47 16.45	51.18 N	179.18 W	30.0 F	$M_b = 3.9$	DELAROF ISLANDS, ALEUTIAN ISLANDS
03	17 45 56.89	51.93 N	178.81 W	27.6 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	20 37 43.23	51.21 N	179.17 W	30.7 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	21 19 33.30	51.74 N	179.49 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
03	22 52 59.43	51.35 N	179.70 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	23 23 43.97	50.89 N	178.69 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
03	23 39 30.92	51.86 N	178.78 W	21.5 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	23 56 22.32	50.99 N	179.60 W	100.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 0 6.14	51.87 N	178.80 W	9.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 18 55.02	51.42 N	178.76 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 22 7.91	51.82 N	178.84 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 27 20.92	50.30 N	178.52 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 27 52.51	51.72 N	178.56 W	50.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 34 39.91	51.89 N	178.87 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	1 57 19.87	51.05 N	178.62 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	6 50 49.16	51.43 N	179.14 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
04	9 26 31.77	51.98 N	179.93 W	150.7 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	9 38 21.49	51.12 N	178.73 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
04	11 59 53.96	51.67 N	177.13 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
04	15 3 8.56	51.71 N	179.52 E	88.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
04	15 50 19.72	51.82 N	178.85 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS

NOV HYPOCENTER SUMMARY

NOV 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
04	16 26 41.94	52.00 N	179.48 E	194.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
04	20 11 11.81	51.17 N	179.95 W	32.9 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	20 23 21.53	51.51 N	178.94 E	69.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
04	22 43 59.49	51.31 N	179.40 W	100.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
05	4 57 36.91	51.27 N	179.46 E	65.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	11 10 56.47	51.47 N	177.16 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
05	20 57 17.02	52.01 N	178.69 E	157.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	5 13 26.69	51.68 N	178.30 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
06	9 23 15.00	51.29 N	178.49 E	41.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	12 13 23.61	51.15 N	178.58 E	17.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
07	7 1 57.11	52.45 N	179.85 E	150.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
07	9 43 57.65	51.21 N	178.74 E	37.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
07	12 57 21.55	51.05 N	179.06 E	30.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
07	13 13 59.17	50.96 N	178.97 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
07	13 31 20.01	51.69 N	178.62 E	77.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
07	17 12 47.19	51.01 N	178.18 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
07	23 14 37.84	51.25 N	178.71 E	44.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
08	0 47 5.31	50.23 N	178.80 W	100.0 D	$M_b = 4.0$	DELAROF ISLANDS, ALEUTIAN ISLANDS
10	1 46 30.53	50.32 N	179.71 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
10	4 17 50.48	51.68 N	179.05 E	88.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
10	8 38 8.24	50.48 N	177.69 W	0.0 F		ANDREANOF ISLANDS, ALEUTIAN ISLANDS
10	23 0 13.60	50.56 N	178.12 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
10	23 5 42.91	51.46 N	178.83 E	39.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
11	0 25 36.58	51.87 N	179.74 E	157.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
11	0 47 31.56	51.53 N	179.28 W	50.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
11	3 38 15.16	51.40 N	179.32 E	58.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
11	5 14 52.47	50.74 N	178.85 W	100.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
11	6 45 9.57	51.43 N	179.96 W	46.7 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
11	12 4 10.59	51.58 N	179.30 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
13	20 59 3.64	50.92 N	179.74 W	114.6 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
13	22 27 6.59	51.36 N	179.06 W	61.4 F		DELAROF ISLANDS, ALEUTIAN ISLANDS

NOV HYPOCENTER SUMMARY

NOV 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
14	0 7 18.38	51.71 N	180.00 W	100.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
14	7 40 54.66	51.40 N	179.52 E	55.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	19 41 23.97	51.59 N	177.78 E	66.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	20 19 54.44	51.59 N	178.78 E	75.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	2 7 2.81	50.98 N	179.33 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	4 9 30.32	52.19 N	178.45 W	185.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
15	7 27 23.43	51.42 N	178.80 E	47.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	19 34 7.43	50.14 N	177.86 E	100.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	21 6 18.55	51.10 N	177.51 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	21 46 37.05	51.65 N	179.12 E	75.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	22 31 50.98	51.99 N	178.17 E	135.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	6 8 11.01	51.90 N	179.90 E	194.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	8 6 37.21	51.73 N	179.35 E	68.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	12 0 13.32	51.42 N	178.65 E	38.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	19 50 38.02	50.96 N	179.27 E	7.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	20 15 50.95	51.51 N	179.77 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
16	20 42 52.91	51.44 N	178.53 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
17	1 19 58.45	51.58 N	179.18 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
17	3 31 53.51	52.16 N	178.52 W	200.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
17	3 42 10.59	51.25 N	179.16 E	37.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	5 43 53.77	52.04 N	178.44 E	131.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	6 24 11.97	51.63 N	179.21 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	6 39 52.61	51.35 N	177.96 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	7 16 57.04	51.40 N	179.52 W	150.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
17	17 20 7.03	50.31 N	179.14 W	18.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
17	22 28 19.74	51.52 N	179.42 W	55.9 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
18	14 56 48.26	51.33 N	179.29 E	55.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	18 32 49.59	50.92 N	179.43 E	13.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	23 24 19.44	51.20 N	178.72 E	32.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	22 51 46.89	50.43 N	177.35 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
19	23 16 23.76	51.78 N	177.05 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

 $M_b = 4.2$

NOV HYPOCENTER SUMMARY

NOV 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
20	6 57 25.38	50.31 N	177.11 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
20	19 11 26.37	51.76 N	179.62 E	93.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	8 11 55.22	50.96 N	179.81 W	50.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	12 17 32.31	51.41 N	178.79 E	44.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	6 59 59.49	50.62 N	178.14 E	150.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	7 33 9.47	50.94 N	178.24 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	7 36 18.17	50.96 N	178.27 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	13 18 17.28	51.36 N	179.01 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	13 25 19.88	51.39 N	178.03 W	0.0 D	$M_b = 4.5$	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
22	18 48 8.37	51.43 N	178.65 E	43.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	22 10 27.97	51.94 N	179.71 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
23	3 43 9.45	51.59 N	178.41 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
23	7 27 54.64	51.57 N	178.42 E	65.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	11 6 39.53	51.30 N	178.40 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	13 38 41.46	51.64 N	177.38 E	51.2 F	$M_b = 3.1$	RAT ISLANDS, ALEUTIAN ISLANDS
23	18 9 30.83	51.42 N	178.81 E	43.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	21 51 16.24	51.32 N	179.19 W	31.1 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
24	3 1 15.64	51.52 N	179.68 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
24	8 21 55.80	51.76 N	178.91 E	89.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
24	8 32 30.38	50.22 N	179.36 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
24	17 19 4.25	51.39 N	179.40 E	55.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
24	19 32 32.35	51.33 N	179.52 W	0.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
24	20 56 12.01	51.19 N	179.13 E	39.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
24	21 47 .93	51.86 N	176.23 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
25	5 6 51.36	50.96 N	178.76 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
25	8 53 18.66	50.23 N	177.17 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
25	11 15 41.92	51.60 N	178.36 E	64.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	11 18 39.49	51.38 N	177.76 E	36.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	14 15 17.88	51.41 N	178.78 E	46.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	14 23 17.08	51.46 N	179.85 W	62.3 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
25	14 30 52.92	51.80 N	178.82 E	90.1 F		RAT ISLANDS, ALEUTIAN ISLANDS

NOV HYPOCENTER SUMMARY

NOV 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
25	20 21 42.04	52.30 N	179.18 E	207.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
25	23 19 57.75	50.96 N	178.63 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
26	2 52 57.98	51.63 N	179.82 E	48.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
26	5 19 22.87	51.59 N	179.36 E	73.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
27	1 20 38.18	51.10 N	179.57 W	34.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
27	1 24 51.20	51.57 N	179.28 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
27	8 29 24.71	51.55 N	179.72 E	49.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
27	17 10 28.31	51.62 N	178.91 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	1 16 11.72	51.49 N	179.37 E	63.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	11 31 7.42	51.13 N	177.76 W	50.0 D	ANDREANGF ISLANDS, ALEUTIANS ISLANDS
28	12 27 26.37	51.38 N	178.73 E	51.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	14 9 43.94	51.27 N	178.73 E	14.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	23 5 51.00	51.78 N	179.48 W	96.8 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
29	0 18 35.05	51.47 N	179.69 W	82.1 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
29	7 16 18.32	51.85 N	178.90 E	95.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
29	7 43 56.86	51.87 N	179.13 E	101.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	3 14 15.68	51.57 N	179.43 W	84.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	10 3 17.10	51.49 N	179.33 E	78.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	23 41 9.76	51.20 N	178.74 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

DEC 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
01	21 28 42.27	51.18 N	178.62 E	31.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	13 8 33.43	51.44 N	176.74 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
02	17 49 26.79	51.05 N	178.81 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
03	19 49 30.36	51.54 N	175.49 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	0 43 14.10	50.38 N	179.17 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
04	1 11 7.70	51.23 N	178.83 E	37.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	22 44 13.74	51.50 N	176.68 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	3 17 32.99	51.51 N	179.64 W	71.5 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
05	6 34 15.12	51.70 N	179.52 W	95.5 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
05	7 9 11.24	51.49 N	178.86 E	62.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	8 9 19.90	51.43 N	178.79 E	42.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	1 44 32.98	51.64 N	175.90 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	8 28 31.99	51.89 N	178.18 E	94.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	8 58 47.11	51.41 N	179.75 W	61.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	10 8 50.88	51.22 N	179.45 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	12 30 55.14	51.57 N	179.84 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	18 3 10.69	50.97 N	178.48 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
06	19 47 56.27	51.31 N	179.42 W	64.5 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	22 53 47.25	51.95 N	178.32 E	123.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	0 37 17.32	50.98 N	178.69 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	1 38 52.37	51.71 N	179.11 W	91.8 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
07	7 41 30.49	51.36 N	177.43 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	10 5 37.50	51.45 N	178.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	15 14 47.77	50.92 N	178.26 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	17 38 24.50	51.11 N	176.24 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	21 35 21.05	51.55 N	178.87 E	67.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	23 8 6.16	51.61 N	178.89 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	23 12 47.57	51.42 N	179.24 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	0 32 20.92	51.91 N	179.57 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	0 41 18.96	51.24 N	179.45 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
08	4 56 26.01	51.28 N	178.84 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

DEC 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
08	7 3 12.32	51.22 N	178.49 E	1.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
08	7 33 25.91	51.10 N	179.50 W	28.1 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	10 47 9.65	51.76 N	179.69 W	82.4 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	12 47 32.78	51.43 N	179.67 E	62.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	14 56 53.73	51.26 N	178.85 E	45.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	15 31 34.39	52.46 N	179.51 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	17 29 19.89	51.30 N	177.74 E	1.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
08	18 39 1.99	51.73 N	179.99 E	89.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	19 16 25.04	51.46 N	178.59 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
08	19 24 53.01	51.50 N	178.23 E	22.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	23 14 28.15	51.52 N	177.79 E	61.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
09	0 5 1.36	50.27 N	178.68 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
09	1 11 43.04	51.45 N	179.62 E	49.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
09	2 20 30.28	51.47 N	179.39 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
10	3 58 17.01	50.49 N	178.30 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
10	8 9 56.03	51.33 N	179.41 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
10	14 13 .71	51.66 N	179.18 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	1 51 14.11	51.57 N	178.93 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
11	6 31 1.28	51.93 N	179.33 E	128.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	11 28 22.67	51.79 N	178.16 E	80.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	11 33 23.11	50.22 N	177.30 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
11	13 56 44.51	51.31 N	178.76 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
11	17 19 24.91	51.65 N	179.64 W	9.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
11	20 45 18.84	51.33 N	179.62 E	56.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	23 30 12.18	51.36 N	178.91 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	14 55 53.42	51.60 N	179.25 E	75.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	0 50 21.39	51.27 N	177.58 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	0 53 8.56	51.24 N	179.44 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	4 17 16.64	51.51 N	179.54 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	13 51 56.28	50.97 N	179.38 W	100.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	17 46 .94	51.23 N	179.93 W	39.9 F	DELAROF ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

DEC 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
13	20 40 5.20	51.70 N	179.31 W	85.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	22 55 11.61	51.41 N	179.71 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	0 0 -1.07	51.60 N	179.51 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	0 11 35.52	51.06 N	179.02 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	1 33 15.08	51.25 N	178.13 E	31.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	6 55 48.95	51.06 N	179.03 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	12 31 50.11	51.14 N	179.78 E	45.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	15 29 46.51	50.43 N	176.49 E	136.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	16 34 56.13	51.71 N	179.02 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	4 44 .54	51.19 N	178.70 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	21 51 38.97	51.45 N	178.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	23 4 29.21	51.11 N	179.18 E	38.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	4 49 6.09	51.16 N	176.12 E	0.0 D	$M_b = 4.9$ RAT ISLANDS, ALEUTIAN ISLANDS
16	7 34 9.78	51.23 N	179.60 E	42.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	9 6 11.01	51.44 N	178.80 E	40.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	11 0 35.45	51.41 N	178.78 E	43.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	11 12 57.95	51.70 N	179.22 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	14 20 43.37	51.64 N	179.53 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
16	14 24 41.78	51.87 N	179.54 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
16	14 32 50.60	51.54 N	177.77 E	64.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	19 20 1.76	51.40 N	178.80 E	41.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	23 8 36.00	50.98 N	179.13 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	1 24 8.30	51.51 N	179.92 E	8.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	8 19 15.16	52.20 N	178.48 E	98.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	20 3 13.98	51.38 N	176.42 E	50.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	20 24 12.27	51.55 N	179.55 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	5 54 54.33	51.44 N	178.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	6 8 38.95	51.50 N	178.11 E	54.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	8 6 18.38	52.42 N	178.46 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	8 46 3.09	51.58 N	178.23 E	61.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	9 26 28.59	52.06 N	179.64 E	150.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

DEC 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
18	17 33 55.87	51.21 N	178.79 E	31.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
18	19 18 2.23	52.07 N	179.99 W	150.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	4 40 45.45	51.22 N	178.42 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
19	11 9 18.11	51.59 N	179.19 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	15 47 28.00	52.03 N	179.89 W	50.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	19 42 3.10	52.03 N	179.37 E	190.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	0 44 9.46	52.45 N	179.87 W	150.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
20	10 5 6.57	51.45 N	178.73 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
20	16 4 36.52	51.25 N	179.70 E	38.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	18 34 18.00	50.35 N	179.87 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	11 40 57.03	51.44 N	179.17 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	21 36 58.95	51.40 N	179.64 E	59.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	22 56 14.89	51.42 N	179.83 E	38.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	1 28 4.18	51.44 N	178.86 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	6 6 18.55	51.15 N	179.72 E	38.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	11 56 25.59	51.00 N	178.82 E	50.0 F	$M_b = 4.6$	RAT ISLANDS, ALEUTIAN ISLANDS
22	12 14 .75	51.29 N	178.93 E	42.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	12 18 1.41	51.44 N	179.42 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	13 36 53.49	51.36 N	178.31 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	14 11 58.21	51.56 N	178.91 E	49.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	16 16 41.53	51.03 N	178.99 E	26.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	16 49 38.95	51.91 N	179.64 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	17 0 56.02	51.43 N	179.33 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	17 3 9.23	51.03 N	178.93 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	21 39 42.64	50.97 N	179.00 E	23.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	1 9 21.78	51.06 N	179.01 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	2 17 36.39	50.95 N	179.06 E	0.0 D	$M_b = 5.2$	RAT ISLANDS, ALEUTIAN ISLANDS
23	2 27 55.31	51.05 N	179.16 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	2 36 24.89	51.07 N	179.17 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	2 40 9.09	51.04 N	179.16 E	0.0 D	$M_b = 4.1$	RAT ISLANDS, ALEUTIAN ISLANDS
23	15 58 28.90	51.92 N	179.69 E	144.2 F		RAT ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

DEC 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
25	11 50 1.13	51.56 N	178.75 E	75.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
26	12 5 17.38	51.47 N	179.03 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
28	17 12 54.94	51.64 N	179.42 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	2 17 32.74	51.16 N	177.39 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	4 52 23.97	51.42 N	179.19 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	6 6 42.93	51.18 N	179.15 E	36.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	6 7 44.31	51.14 N	179.11 E	33.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	6 7 51.66	51.05 N	178.95 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	6 42 5.45	51.97 N	177.91 E	8.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	10 28 33.71	50.97 N	179.48 W	36.7 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	10 47 .62	50.97 N	179.03 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	11 54 41.29	50.97 N	179.02 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	14 15 23.36	51.23 N	178.14 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	19 35 52.85	51.65 N	177.81 E	56.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	15 12 43.53	51.52 N	178.97 E	75.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	15 51 5.33	51.40 N	179.57 E	51.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	16 37 31.13	51.63 N	179.52 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

JAN 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
01	13 26 22.10	50.97 N	179.03 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
02	3 2 29.07	51.92 N	178.16 E	101.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	8 3 31.60	51.68 N	178.81 E	76.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
02	21 2 33.35	50.66 N	179.17 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
03	2 57 33.38	51.97 N	178.31 E	124.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
03	6 7 2.98	51.56 N	178.39 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
03	7 13 41.53	51.36 N	178.68 E	47.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
04	3 18 23.98	52.07 N	179.61 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
04	4 28 10.42	51.59 N	178.52 E	66.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	15 57 42.17	51.61 N	177.80 E	57.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
05	18 57 5.67	51.24 N	176.89 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	2 15 42.72	51.77 N	178.00 E	83.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
06	5 53 42.49	51.00 N	179.99 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	0 52 17.07	50.86 N	179.25 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	4 34 51.75	50.70 N	179.86 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
07	9 13 14.51	51.92 N	179.76 E	133.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	11 52 1.77	51.78 N	179.82 E	99.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	12 6 57.63	51.20 N	178.65 E	21.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	12 12 49.79	51.01 N	179.32 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	12 39 24.30	50.20 N	177.96 E	50.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	19 49 54.68	52.10 N	178.77 E	88.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
07	20 19 43.98	51.18 N	178.80 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
07	20 51 49.91	51.04 N	179.54 W	29.4 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	1 40 15.81	51.32 N	179.57 W	41.3 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	1 58 51.52	50.88 N	178.41 E	14.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	2 36 14.96	51.63 N	179.32 E	79.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	3 14 46.03	51.51 N	178.34 E	56.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	11 2 23.10	51.69 N	179.44 W	48.6 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	13 0 7.50	51.13 N	178.32 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	14 47 53.30	51.47 N	179.91 W	59.5 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	19 12 45.54	50.35 N	177.85 E	100.0 F	RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

JAN 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
08	19 16 42.03	51.00 N	178.93 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	22 10 13.05	51.32 N	179.06 E	46.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
08	23 50 7.63	51.42 N	179.79 E	43.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
09	9 58 2.31	51.71 N	179.82 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
09	11 31 24.92	51.06 N	179.63 E	39.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
09	17 15 9.13	52.60 N	179.91 W	150.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
10	0 18 54.48	51.94 N	179.78 E	156.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	1 19 2.39	51.60 N	178.90 E	68.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	3 41 17.91	51.05 N	178.57 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
10	15 42 58.92	51.45 N	178.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
10	18 44 20.06	51.89 N	178.22 W	107.5 F	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	19 29 31.94	51.04 N	178.95 E	5.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	20 16 8.23	52.10 N	179.46 E	195.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
10	20 47 45.81	51.90 N	179.10 E	104.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	16 3 30.90	52.30 N	178.54 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
11	20 24 17.29	51.80 N	178.85 E	91.3 D	RAT ISLANDS, ALEUTIAN ISLANDS
11	20 33 14.26	52.20 N	179.87 E	136.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	22 2 28.89	51.59 N	179.33 E	82.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	1 41 6.74	50.87 N	178.68 E	157.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	3 3 53.45	50.98 N	178.58 E	1.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	4 14 37.73	50.58 N	177.81 E	100.8 D	RAT ISLANDS, ALEUTIAN ISLANDS
12	5 9 55.94	51.51 N	179.49 E	64.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	5 59 44.90	51.65 N	178.23 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
12	13 12 48.22	52.03 N	179.63 E	175.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
12	17 18 38.39	51.40 N	179.74 E	82.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	8 22 35.84	51.12 N	178.69 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	21 58 34.18	51.50 N	177.72 E	26.3 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	8 19 5.60	51.65 N	179.56 E	74.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	10 24 42.65	51.22 N	178.60 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	12 59 50.40	51.06 N	178.39 E	26.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
14	20 44 46.46	51.13 N	177.65 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

 $M_b = 5.0$

JAN HYPOCENTER SUMMARY

JAN 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
15	1 44 9.60	51.87 N	178.23 E	125.0 F	$M_b = 4.3$	RAT ISLANDS, ALEUTIAN ISLANDS
15	1 56 19.30	51.40 N	178.95 E	58.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
15	5 12 20.91	51.86 N	178.28 E	113.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
15	5 51 18.98	51.67 N	179.97 E	22.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
15	7 1 21.92	51.74 N	179.97 W	34.4 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
15	20 41 42.77	51.34 N	178.33 E	44.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
15	21 41 56.27	51.42 N	179.84 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
16	3 47 31.13	51.55 N	178.70 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
16	7 14 50.13	51.50 N	178.13 E	60.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
16	18 1 29.89	51.42 N	179.25 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	2 28 8.80	52.09 N	178.30 E	134.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	6 29 32.54	52.14 N	178.46 E	114.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	7 55 3.43	51.28 N	179.65 E	63.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	15 59 47.67	50.94 N	178.87 E	2.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	16 1 51.47	51.14 N	179.05 E	30.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
17	17 56 44.13	51.08 N	179.49 W	30.1 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	18 46 3.33	51.33 N	178.35 E	47.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	6 20 54.74	51.44 N	178.83 E	40.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	7 10 42.37	51.51 N	178.36 E	62.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	7 51 10.26	51.70 N	179.93 E	11.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	19 28 48.35	51.64 N	179.19 W	88.9 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
20	19 58 56.60	52.38 N	178.32 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
20	22 58 23.42	51.59 N	178.40 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	1 5 3.47	51.45 N	178.85 E	41.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	1 37 26.64	51.10 N	178.75 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	3 52 19.01	51.56 N	178.90 E	62.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	11 32 57.91	51.37 N	179.66 E	56.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	15 39 14.49	51.72 N	179.61 W	95.2 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	6 44 49.00	51.73 N	179.78 W	113.7 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	8 50 1.76	51.50 N	178.46 E	52.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	9 5 43.15	51.46 N	179.37 E	50.0 F		RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

JAN 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
22	11 37 24.02	51.00 N	179.03 E	37.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	11 38 29.03	52.12 N	179.97 E	177.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	12 12 38.60	51.36 N	179.56 E	57.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	20 34 37.82	50.27 N	179.71 E	62.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	22 40 44.27	51.61 N	178.38 W	0.0 F	M _L 3.9	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	3 12 49.57	51.44 N	178.83 E	40.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	6 3 51.37	51.71 N	179.79 E	98.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	21 42 18.97	51.38 N	177.77 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
24	1 10 10.26	51.35 N	178.84 E	45.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	5 28 42.37	51.85 N	179.74 E	85.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	7 10 57.12	51.63 N	179.01 E	71.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	7 58 51.73	51.38 N	178.74 E	44.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
25	21 55 45.44	51.03 N	179.16 E	42.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
27	21 30 49.37	51.74 N	179.85 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
28	2 10 35.87	51.11 N	180.00 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
30	4 2 56.99	51.33 N	178.59 E	53.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
30	4 50 22.38	51.33 N	178.51 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
30	10 44 41.07	51.45 N	178.77 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
30	15 6 27.03	52.11 N	179.88 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
31	11 9 52.21	51.58 N	179.71 E	95.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
31	15 7 13.85	51.75 N	178.81 E	73.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
31	17 22 31.03	51.94 N	178.70 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
31	21 41 25.19	51.17 N	178.73 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
31	22 16 13.57	51.14 N	178.68 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
31	23 40 14.54	51.50 N	179.31 E	57.2 F		RAT ISLANDS, ALEUTIAN ISLANDS

FEB HYPOCENTER SUMMARY

FEB 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
01	14 11 52.06	52.26 N	179.34 E	150.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
01	17 24 3.21	51.40 N	176.85 E	0.0 D	M _b 5.3	RAT ISLANDS, ALEUTIAN ISLANDS
02	1 57 36.00	51.56 N	178.20 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
06	20 39 54.62	50.14 N	173.13 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
07	3 54 35.10	50.78 N	179.60 E	117.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
07	5 15 54.55	52.05 N	173.93 W	156.5 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
07	21 6 59.97	51.57 N	173.89 E	74.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
08	7 5 9.34	51.76 N	179.59 E	61.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
08	10 34 16.15	51.51 N	173.67 E	53.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
08	22 55 21.11	51.80 N	178.95 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
09	7 59 33.75	51.47 N	179.00 E	57.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
09	18 36 47.59	50.94 N	179.75 W	100.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
10	3 9 30.24	51.22 N	179.97 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
11	10 58 36.61	51.44 N	179.37 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
12	3 35 26.27	52.43 N	179.97 W	150.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
12	13 29 42.70	51.69 N	173.29 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
13	7 17 59.62	51.51 N	179.84 E	57.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	15 10 42.32	51.43 N	178.04 E	50.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	17 0 31.57	51.42 N	179.71 E	59.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	17 32 59.31	52.03 N	178.49 E	114.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	17 42 57.42	51.30 N	178.13 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	17 52 9.38	51.76 N	178.65 E	94.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	19 53 50.70	50.96 N	179.22 W	50.0 F	M _b 5.4	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	22 12 36.07	50.64 N	179.30 W	100.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
14	4 12 16.28	50.30 N	176.15 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
14	5 34 30.59	50.97 N	173.31 W	29.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
14	10 28 30.86	51.27 N	173.36 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
14	14 5 16.51	51.62 N	179.09 W	0.0 D		ANDREANOF ISLANDS, ALEUTIAN ISLANDS
14	19 55 33.70	51.90 N	173.48 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
15	1 54 30.45	50.46 N	175.54 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
15	3 52 17.56	50.97 N	179.24 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS

FEB HYPOCENTER SUMMARY

FEB 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
15	4 20 39.73	51.47 N	179.34 E	0 0 0	RAT ISLANDS, ALEUTIAN ISLANDS
15	4 21 57.59	50.36 N	179.38 E	50 0 0	RAT ISLANDS, ALEUTIAN ISLANDS
15	12 45 7.74	52.01 N	179.58 W	0.0 0	DELAROF ISLANDS, ALEUTIAN ISLANDS
15	16 49 53.55	51.72 N	179.76 W	91.7 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
15	21 4 34.41	51.45 N	173.75 E	57.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	1 11 1.15	52.22 N	179.52 E	200.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
16	2 48 27.52	51.54 N	177.79 E	54.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	12 16 47.47	51.58 N	173.50 E	67.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	15 52 26.00	51.60 N	179.95 E	53.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	16 23 48.92	51.75 N	179.20 E	33.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	17 13 46.54	51.17 N	179.17 W	34.9 F	ANDREANOF ISLANDS, ALEUTIAN ISLANDS
16	17 20 48.17	51.34 N	178.66 E	25.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	21 55 45.88	50.37 N	173.24 W	150.0 F	ANDREANOF ISLANDS, ALEUTIAN ISLANDS
17	0 34 21.96	51.50 N	173.37 E	63.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	1 19 26.12	51.57 N	179.00 E	58.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	21 37 2.36	52.06 N	179.71 E	154.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	0 38 9.88	51.72 N	179.42 E	111.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	2 28 43.13	51.41 N	178.82 E	42.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	12 53 20.26	51.50 N	179.53 E	0.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
18	20 34 48.38	51.39 N	179.36 E	44.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	6 8 5.06	51.55 N	173.50 E	79.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	9 28 29.18	51.72 N	178.43 E	81.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	12 6 11.10	51.90 N	179.87 E	135.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
19	20 53 20.51	52.55 N	178.82 E	100.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
20	16 21 3.96	52.36 N	178.71 E	100.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
20	17 0 28.76	52.55 N	173.74 E	100.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
21	0 52 48.14	52.02 N	179.85 W	0.0 0	DELAROF ISLANDS, ALEUTIAN ISLANDS
21	3 35 40.11	51.02 N	173.93 E	0.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
21	4 0 18.03	52.10 N	179.50 E	200.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
21	4 50 41.25	51.22 N	178.60 E	50.0 0	RAT ISLANDS, ALEUTIAN ISLANDS
21	5 22 1.20	51.75 N	179.71 W	89.8 F	DELAROF ISLANDS, ALEUTIAN ISLANDS

FEB HYPOCENTER SUMMARY

FEB 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
21	22 40 57.22	51.59 N	179.97 E	82.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
24	13 28 34.52	51.48 N	179.22 W	100.0 D	ANDREANOF ISLANDS, ALEUTIAN ISLANDS
24	21 17 39.52	51.55 N	179.65 E	53.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
25	0 49 12.10	51.37 N	179.75 E	120.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
25	5 12 4.23	51.43 N	179.12 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
26	21 48 38.42	51.38 N	176.68 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
27	5 19 .59	51.39 N	179.93 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
27	15 0 40.01	52.11 N	179.55 E	92.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	8 12 58.71	51.49 N	179.86 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

MAR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
01	6 20 26.69	51.99 N	173.38 W	128.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
01	9 57 29.92	50.57 N	173.85 W	0.0 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
01	11 38 6.45	50.91 N	174.05 W	39.3 F	$M_b = 4.3$	DELAROF ISLANDS, ALEUTIAN ISLANDS
01	13 40 27.94	51.40 N	173.11 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
01	17 23 12.91	50.46 N	177.97 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
01	19 3 24.26	51.21 N	178.10 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
02	2 17 21.32	51.22 N	178.61 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	10 47 52.62	51.59 N	174.15 E	62.3 F	$M_b = 3.7$	RAT ISLANDS, ALEUTIAN ISLANDS
02	12 22 5.49	51.76 N	178.78 E	72.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	16 29 46.88	51.53 N	178.93 E	52.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	4 25 58.22	51.52 N	173.51 E	50.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
03	6 30 51.56	51.33 N	179.26 W	69.5 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	10 17 58.13	51.57 N	173.42 W	50.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
04	19 58 56.29	51.33 N	178.72 E	37.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	15 25 39.83	51.46 N	173.85 E	40.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	17 41 46.26	51.42 N	178.80 E	44.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	18 57 4.53	51.34 N	179.65 E	53.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	19 1 47.64	51.41 N	179.77 E	45.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	20 58 13.97	51.37 N	173.75 E	41.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	4 43 58.21	51.54 N	178.83 E	67.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
05	14 8 26.07	51.07 N	179.60 E	35.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	21 14 6.38	51.78 N	179.13 E	65.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
08	1 10 27.51	51.94 N	173.85 W	109.2 F	$M_b = 4.6$	DELAROF ISLANDS, ALEUTIAN ISLANDS
08	11 21 47.73	51.65 N	179.77 E	0.0 D	$M_b = 3.8$	RAT ISLANDS, ALEUTIAN ISLANDS
09	17 28 1.42	51.56 N	179.13 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
10	1 15 20.30	51.41 N	179.31 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
10	4 22 34.50	51.53 N	179.36 E	62.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
11	6 32 35.52	51.55 N	179.39 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
11	20 8 32.09	51.54 N	173.49 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
12	5 6 29.68	51.47 N	173.94 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
12	7 29 41.94	51.55 N	173.49 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

MAR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
13	0 59 31.04	51.25 N	174.05 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
13	2 42 1.19	51.45 N	173.01 E	40.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	5 23 8.84	50.58 N	177.34 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
13	6 34 7.44	50.68 N	179.99 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
13	10 1 47.09	51.33 N	179.54 E	73.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	21 31 27.07	50.15 N	178.64 E	60.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
13	22 23 8.25	51.54 N	180.00 E	11.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
14	4 31 55.30	52.08 N	173.43 E	158.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
14	13 26 32.97	51.47 N	179.90 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
14	15 8 42.37	51.06 N	179.20 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
14	22 39 6.07	50.34 N	173.39 W	50.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
15	1 54 8.97	51.46 N	179.26 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
17	0 23 43.71	52.27 N	177.44 W	0.0 D	M _L 4.0	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
17	3 35 39.35	51.10 N	177.67 W	0.0 D		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
17	22 21 43.20	51.31 N	179.68 E	41.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
18	6 27 42.64	51.65 N	178.92 E	84.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
18	10 44 59.09	50.43 N	177.77 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
18	20 49 46.36	51.16 N	173.68 E	33.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
18	21 56 9.15	51.90 N	179.44 W	131.6 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	11 41 9.60	52.77 N	173.95 E	100.0 F	M _b 5.8	RAT ISLANDS, ALEUTIAN ISLANDS
20	22 55 26.79	52.32 N	173.27 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
20	23 2 38.69	52.51 N	179.97 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	3 8 46.02	51.23 N	178.61 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	7 31 36.19	51.38 N	179.56 W	139.3 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	8 54 13.79	51.76 N	179.58 E	82.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
21	17 51 5.66	51.38 N	179.56 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	5 20 43.47	51.44 N	173.92 W	59.6 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	8 53 3.70	51.19 N	173.56 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	8 53 28.37	50.90 N	173.95 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	8 59 35.93	51.06 N	173.11 E	37.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	9 47 58.78	51.33 N	173.94 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS

MAR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
22	11 25 2.33	51.16 N	178.69 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	11 49 12.38	51.41 N	179.12 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	13 6 49.84	51.90 N	179.93 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	15 23 5.36	51.14 N	177.18 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	15 47 45.83	51.63 N	179.82 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	19 11 22.64	51.45 N	179.84 E	10.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	20 58 34.40	50.30 N	179.31 W	50.0 F	$M_b = 4.9$	DELAROF ISLANDS, ALEUTIAN ISLANDS
22	21 24 15.57	50.79 N	179.28 W	150.0 F	$M_b = 4.2$	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	6 6 7.19	51.52 N	179.56 E	65.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	8 49 18.52	51.40 N	179.61 E	37.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	9 19 25.67	51.46 N	179.69 E	56.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
23	21 15 36.37	51.52 N	179.72 E	65.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
24	17 42 52.50	51.23 N	179.09 E	34.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
24	20 14 53.33	52.63 N	177.84 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
25	21 30 2.02	50.91 N	176.34 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
26	2 35 33.70	51.07 N	179.91 E	38.5 F		RAT ISLANDS, ALEUTIAN ISLANDS
26	8 3 38.36	51.22 N	179.81 E	37.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
26	14 53 50.96	51.44 N	179.79 E	41.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
26	20 14 36.08	51.35 N	179.74 E	41.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
26	21 13 21.23	50.95 N	179.14 E	26.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
27	2 51 22.54	51.36 N	177.55 W	0.0 D	$M_L 3.7$	ANDREANOF ISLANDS, ALEUTIAN ISLANDS
27	11 58 13.70	51.46 N	179.24 E	56.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
27	13 25 31.23	52.01 N	177.26 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
27	14 37 10.40	51.51 N	177.83 E	65.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
27	22 13 2.88	50.91 N	179.05 E	50.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
28	13 19 24.47	51.49 N	179.04 E	56.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
28	15 22 4.50	51.39 N	179.79 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
28	23 0 23.59	52.02 N	179.65 E	142.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
29	1 39 27.56	51.63 N	179.81 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
29	2 47 44.89	52.39 N	179.93 W	150.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
29	9 3 12.84	50.21 N	179.34 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

MAR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
29	17 27 56.43	51.47 N	177.56 E	50.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
29	22 11 52.41	52.06 N	178.54 E	169.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
29	22 19 56.79	51.33 N	173.79 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	6 9 39.31	50.96 N	173.30 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
30	8 58 38.35	50.94 N	174.56 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	17 11 26.72	51.45 N	173.74 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	19 48 19.76	50.21 N	178.08 E	81.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	2 29 56.05	50.45 N	179.09 E	100.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
31	4 5 16.92	51.56 N	179.61 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
31	6 52 13.11	51.45 N	179.47 E	63.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	14 32 56.22	51.09 N	175.89 E	0.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	18 32 27.58	50.30 N	177.18 E	43.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
31	20 26 1.30	51.16 N	179.54 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
31	22 33 56.95	51.16 N	178.55 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

APR HYPOCENTER SUMMARY

APR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
01	0 19 21.98	51.17 N	178.59 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
01	0 55 30.91	51.28 N	178.64 E	47.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
01	8 56 17.55	52.49 N	179.18 W	214.9 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
01	21 42 17.27	51.42 N	178.81 E	42.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	0 54 11.38	51.67 N	179.92 W	103.7 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
02	3 54 22.40	52.16 N	179.59 E	176.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	8 5 54.19	51.15 N	178.47 E	36.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
02	9 8 10.44	50.95 N	178.79 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
02	12 37 37.49	51.56 N	178.96 E	75.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
04	5 49 50.40	51.33 N	178.81 E	36.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
04	12 0 55.00	51.12 N	177.84 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
05	15 34 21.87	51.42 N	178.84 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
05	20 28 57.61	51.91 N	179.40 E	144.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	1 46 16.80	51.63 N	178.59 W	0.0 D	$M_b = 5.0$	DELAROF ISLANDS, ALEUTIAN ISLANDS
06	2 20 11.63	51.65 N	179.59 E	64.9 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	9 48 56.51	51.55 N	178.77 E	55.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	10 57 55.76	51.63 N	179.14 E	0.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
06	20 45 49.59	51.10 N	174.13 E	150.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
06	20 48 35.13	51.33 N	178.50 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
06	21 48 32.83	51.81 N	179.03 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
07	0 42 28.81	51.81 N	179.46 E	105.8 F		RAT ISLANDS, ALEUTIAN ISLANDS
09	13 44 9.37	51.58 N	179.35 E	57.1 F	$M_b = 4.1$	RAT ISLANDS, ALEUTIAN ISLANDS
09	15 52 34.84	51.58 N	178.37 E	58.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
09	22 16 13.45	51.52 N	176.67 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
09	23 1 3.56	51.53 N	179.75 W	50.4 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
10	2 41 54.14	51.41 N	178.77 E	47.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
10	9 25 35.59	51.20 N	178.60 E	36.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
10	15 19 51.30	51.40 N	178.38 E	58.6 F		RAT ISLANDS, ALEUTIAN ISLANDS
10	19 37 33.61	51.39 N	179.11 E	102.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
10	21 23 15.77	51.27 N	178.52 E	43.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
11	0 27 48.76	50.33 N	177.10 E	-18.9 F		RAT ISLANDS, ALEUTIAN ISLANDS

APR HYPOCENTER SUMMARY

APR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
11	7 7 54.24	51.10 N	179.17 E	84.9 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	8 30 12.32	51.19 N	179.27 E	94.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	10 40 59.26	51.07 N	179.17 E	65.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	11 2 41.49	50.92 N	179.02 E	7.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	12 2 .19	51.16 N	179.26 E	60.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
11	17 3 50.81	50.95 N	178.04 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
12	5 41 43.00	51.67 N	179.91 W	111.1 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
12	14 29 52.32	51.04 N	174.30 E	150.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	1 20 19.95	51.56 N	179.18 W	71.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	2 15 3.67	52.10 N	179.03 E	169.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
13	4 48 6.35	51.48 N	179.60 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	6 29 53.88	51.23 N	178.63 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	17 50 3.77	51.23 N	178.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
13	18 42 57.12	51.67 N	179.62 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
13	22 41 36.69	51.21 N	178.50 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
14	10 13 57.86	50.97 N	178.95 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	0 35 36.28	50.38 N	177.54 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
15	4 31 51.75	51.41 N	178.79 E	45.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
15	21 16 42.68	51.34 N	179.83 W	5.0 F	DELAROF ISLANDS, ALEUTIAN ISLANDS
16	8 32 49.36	51.76 N	178.57 E	115.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
16	8 47 23.30	51.62 N	177.33 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
16	9 4 21.51	51.45 N	178.82 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
16	15 1 43.54	50.35 N	179.85 W	50.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
16	15 38 9.17	51.08 N	179.54 E	41.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	9 8 58.61	51.51 N	179.67 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
17	9 59 37.52	51.79 N	179.20 E	192.4 F	RAT ISLANDS, ALEUTIAN ISLANDS
17	9 21 28.73	51.00 N	178.93 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	1 1 15.98	51.20 N	178.65 E	38.5 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	5 30 37.05	50.92 N	178.01 E	26.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
18	7 51 33.48	51.63 N	177.11 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
18	9 22 1.29	51.29 N	178.71 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS

APR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)		GEOGRAPHIC REGION
18	9 29 37.23	51.24 N	179.19 E	46.4 F		RAT ISLANDS, ALEUTIAN ISLANDS
18	22 11 50.45	51.42 N	176.73 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
19	0 52 45.13	51.54 N	179.67 E	56.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
19	7 56 7.60	52.22 N	179.25 W	223.6 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	19 15 47.46	51.91 N	179.11 E	115.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	1 44 38.89	51.46 N	179.95 E	10.2 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	9 8 8.68	51.43 N	178.80 E	41.3 F		RAT ISLANDS, ALEUTIAN ISLANDS
20	15 56 55.75	51.73 N	179.94 W	186.2 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
20	17 12 23.39	50.83 N	178.71 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	13 0 5.83	51.34 N	179.02 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	14 8 16.01	51.56 N	179.52 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	21 59 23.61	51.27 N	179.35 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
21	23 14 25.92	51.30 N	177.77 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	0 51 9.40	51.22 N	178.62 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	2 48 3.56	51.47 N	179.95 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	4 31 49.55	50.98 N	178.73 E	50.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	7 6 9.35	51.58 N	178.51 W	0.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	8 6 24.54	51.92 N	179.60 E	116.7 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	10 44 8.37	51.19 N	178.25 E	6.1 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	11 15 22.25	52.23 N	177.75 E	157.0 F		RAT ISLANDS, ALEUTIAN ISLANDS
22	13 11 33.30	51.15 N	178.55 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	21 42 14.73	51.41 N	179.80 W	0.0 D	$M_L = 4.9$	DELAROF ISLANDS, ALEUTIAN ISLANDS
22	21 55 56.99	51.23 N	179.86 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
22	22 18 34.82	50.73 N	179.91 W	24.3 F		DELAROF ISLANDS, ALEUTIAN ISLANDS
22	22 45 9.71	50.95 N	179.85 W	0.0 D	$M_b = 4.1$	DELAROF ISLANDS, ALEUTIAN ISLANDS
23	5 47 34.05	50.32 N	178.36 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	13 13 36.22	51.29 N	179.70 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
23	14 51 15.68	51.29 N	178.69 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
24	2 48 2.42	51.37 N	179.85 E	100.0 D		RAT ISLANDS, ALEUTIAN ISLANDS
24	8 41 57.85	50.93 N	179.24 W	100.0 D		DELAROF ISLANDS, ALEUTIAN ISLANDS
24	14 32 42.33	51.16 N	178.69 E	0.0 D		RAT ISLANDS, ALEUTIAN ISLANDS

APR HYPOCENTER SUMMARY

APR 1973	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	GEOGRAPHIC REGION
28	1 3 .96	51.31 N	178.42 E	39.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	6 46 56.45	51.65 N	179.10 E	92.2 F	RAT ISLANDS, ALEUTIAN ISLANDS
28	18 7 34.56	51.08 N	179.41 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
29	1 44 2.50	51.30 N	178.57 E	49.1 F	RAT ISLANDS, ALEUTIAN ISLANDS
29	4 32 39.66	51.26 N	179.58 E	38.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
29	4 55 7.69	50.83 N	178.68 W	0.0 D	DELAROF ISLANDS, ALEUTIAN ISLANDS
29	18 12 11.90	51.30 N	179.72 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
29	20 50 24.59	51.77 N	179.73 E	0.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
29	22 3 2.34	51.17 N	177.79 E	125.6 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	4 56 19.31	52.12 N	179.97 E	192.8 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	6 47 11.51	50.53 N	179.05 E	35.7 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	9 51 51.45	51.44 N	179.44 E	53.3 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	11 44 47.93	51.02 N	179.61 E	50.0 D	RAT ISLANDS, ALEUTIAN ISLANDS
30	13 0 4.93	51.23 N	179.27 E	59.0 F	RAT ISLANDS, ALEUTIAN ISLANDS
30	23 32 30.84	51.30 N	177.21 E	50.0 D	$M_b = 4.8$ RAT ISLANDS, ALEUTIAN ISLANDS

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