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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
OCTOBER 1971

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BY GH Kahn / amb
DATE 6/27/72

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL RESEARCH LABORATORIES
ROCKVILLE, MARYLAND 20852

JUNE 1972

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

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SEISMOLOGICAL BULLETIN

THE PURPOSE OF THIS BULLETIN IS TO COLLECT AND DISTRIBUTE PRELIMINARY DATA ACQUIRED FROM AN ALEUTIAN NETWORK OF SEISMIC STATIONS IN ORDER TO FACILITATE CURRENT STUDIES OF EARTHQUAKE OCCURRENCE IN THE ALEUTIAN ISLANDS. RECORD ARRIVAL TIMES AND AMPLITUDES ARE SCALED BY THE SPECIAL PROJECTS PARTY, LAS VEGAS, NEVADA. FINAL REDUCTION AND COLLATION OF DATA TO EVENT HYPOCENTERS AND DERIVATION OF RELATED PARAMETERS ARE PERFORMED BY THE SEISMOLOGY INVESTIGATIONS GROUP, ROCKVILLE, MARYLAND. THIS COMPILATION IS PRELIMINARY AND MAY BE SUBJECT TO LATER REVISION ON THE BASIS OF CURRENT RESEARCH.

DESCRIPTION OF COLUMN HEADINGS

DATE - DAY, MONTH, AND YEAR IN GREENWICH MEAN TIME (GMT)
 STA - STATION CODE
 PHASE - NAME OF PHASE REPORTED
 I OR E INDICATES THE CHARACTER OF PHASE ARRIVAL
 C OR D IN THE FOURTH CHARACTER INDICATES DIRECTION OF FIRST MOTION
 TIME - ARRIVAL TIME OF PHASE IN HOURS, MINUTES, AND SECONDS (GMT)
 AMP - GROUND DISPLACEMENT OF PHASE IN MILLIMICRONS
 AMPLITUDES REPORTED WITH S PHASES ARE MAXIMUM SURFACE WAVE
 DISPLACEMENTS
 PER - PERIOD OF PHASE IN SECONDS
 MAG - STATION MAGNITUDE DEFINED BY

$$MB = -0.76 + \log_{10}(AMP/PER) + 0.91 * \log_{10}(SLANT \text{ DISTANCE})$$
 FOR EVENTS OF EPICENTER DISTANCE LESS THAN
 200 KM FROM STATION
 DIST. - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS
 AZI - STATION TO EPICENTER AZIMUTH IN DEGREES TAKEN CLOCKWISE FROM NORTH
 RES - PHASE TRAVEL TIME RESIDUAL IN SECONDS (O-C)
 REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

HYPOCENTER DATA ARE LISTED IN CHRONOLOGICAL ORDER AND ARE FOLLOWED BY ASSOCIATED PHASE ARRIVALS

FIRST LINE DATE
 ORIGIN TIME (GMT)
 GEOGRAPHIC COORDINATES
 DEPTH OF FOCUS IN KILOMETERS
 AVERAGE BODY WAVE (MB) AND SURFACE WAVE (MS) MAGNITUDES
 TYPE OF SOLUTION
 SECOND LINE GEOGRAPHIC REGION

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ACA	AMCHITKA CENTRAL A	08/05/71-	51 28 51.4 N	179 07 09.6 E	42
ACB	AMCHITKA CENTRAL B	08/05/71-	51 27 45.4 N	179 05 27.3 E	47
ACC	AMCHITKA CENTRAL C	08/05/71-	51 29 03.4 N	179 02 35.2 E	26
ACD	AMCHITKA CENTRAL D	08/05/71-	51 25 41.4 N	179 08 11.8 E	37
ACE	AMCHITKA CENTRAL E	08/05/71-	51 24 01.8 N	179 10 21.9 E	9
ACF	AMCHITKA CENTRAL F	08/05/71-	51 31 32.7 N	178 59 38.9 E	62
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 41 04.3 W	116
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69 25/09/69-05/11/69 05/11/69-16/07/70 16/07/70-	51 37 39.8 N 51 37 34.9 N 51 37 39.8 N 51 37 34.9 N	178 39 22.7 E 178 39 41.8 E 178 39 22.7 E 178 39 41.8 E	177 133 177 133
ANB	AMCHITKA NORTH B	09/12/69-18/07/70	51 36 12.0 N	178 47 21.0 E	247
AND	AMCHITKA NORTH D	18/07/70-	51 33 44.4 N	178 57 12.4 E	187
ASB	AMCHITKA SOUTH B	25/05/69-	51 21 37.8 N	179 14 50.3 E	34
ASC	AMCHITKA SOUTH C	28/07/69-25/09/69 25/09/69-13/07/70 13/07/70-	51 27 44.9 N 51 27 41.9 N 51 27 44.9 N	179 09 53.9 E 179 07 29.9 E 179 09 53.9 E	40 36 40
ASD	AMCHITKA SOUTH D	29/05/69-06/06/69 06/06/69-	51 22 36.0 N 51 23 26.9 N	179 20 30.0 E 179 20 31.6 E	61
AWA	AMCHITKA WOOD-ANDERSON		51 22 28.5 N	179 15 09.6 E	
CSA	CAPE SARICHEF	22/11/70-10/05/71	54 35 40.0 N	164 52 30.0 W	152
GMA	GRANITE MOUNTAIN	18/09/70-	65 25 43.0 N	161 13 55.0 W	856
NIK	NIKOLSKI	20/05/71-	52 58 27.5 N	168 51 10.8 W	207
LSI	LITTLE SITKIN ISLAND	16/08/69-18/09/69	51 55 10.8 N	178 32 01.8 E	145
OB3	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
OB5	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
OB6	OCEAN BOTTOM SEIS 6	26/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
OB8	OCEAN BOTTOM SEIS 8	26/09/69-16/10/69	51 22 00.0 N	179 35 42.0 E	-1408
RAT	RAT ISLAND	14/10/70-	51 47 56.7 N	178 19 48.3 E	226
SHY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMIPOPOVNOI ISLAND	13/08/69-04/11/69 17/10/70-	51 54 52.2 N 51 53 32.8 N	179 37 26.4 E 179 35 17.9 E	335 177

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	AMA	IP D	01 56 14.2	25.9	.1	3.12				
		IS	01 56 18.7							
01	ASD	EP	01 56 24.9	2.2	.1					NO CLEAR S.
01	ASB	EP	01 56 26.4							
01	ASC	EP	01 56 27.2							

.....
 . 01 2 55 59.50 50.26 N 178.99 E DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 01 ASB IP 02 56 19.2 3.4 .1 2.71 124 8 .1
 . 01 ASD EP 02 56 19.6 1.7 .1 2.41 129 11 -.1
 . ES 02 56 34.4 -.0
 . 01 ASC EP 02 56 20.5 135 5 .1
 . 01 AND EP 02 56 21.7 146 359 -.1
 .

.....
 . 01 3 25 50.66 51.12 N 179.38 E DEPTH = 53.4 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 01 ASB IP 03 25 59.8 5.6 .1 2.61 28 340 -.0
 . IS 03 26 6.5 .0
 . 01 ASD IP C 03 26 0.0 9.8 .1 2.85 30 355 .0
 . ACE EP 03 26 .2 34 335 -.1
 . 01 ACD EP 03 26 .6 38 333 .0
 . 01 ASC IP 03 26 .9 41 338 .1
 . 01 ACB EP 03 26 1.0 43 332 -.0
 . 01 ACA EP 03 26 1.2 44 335 .1
 . 01 ACC EP 03 26 1.3 47 330 -.1
 . 01 AND IP 03 26 2.4 57 329 -.1
 . 01 ANA EP 03 26 4.5 75 318 .0
 . 01 SSI IP D 03 26 5.8 16.6 .1 3.29 87 9 -.0
 . 01 RAT IP 03 26 8.0 5.5 .1 2.86 105 316 .0
 .

.....
 . 01 5 51 24.62 50.98 N 178.95 W DEPTH = 48.4 KM FREE DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 01 AMA IP C 05 51 34.0 36 342 .0
 . 01 ASD IP 05 51 44.4 106.1 .1 4.21 128 292 -.3
 . 01 ASB IP 05 51 45.2 133 289 -.1
 . ES 05 52 .4 -.0
 . 01 ASC IP 05 51 46.5 142 293 .1
 . 01 SSI IP D 05 51 46.5 144 316 -.1
 . 01 AND IP 05 51 48.5 160 295 -.1
 . 01 ANA IP 05 51 51.4 181 294 .1
 . 01 RAT IP D 05 51 55.2 210 297 .4
 .

.....
 . 01 9 16 48.78 51.13 N 179.67 E DEPTH = 37.9 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 01 ASD IP D 09 16 57.2 37 321 -.1
 . 01 ASB IP D 09 16 57.5 39 310 -.0
 . IS 09 17 3.2 -.7
 . 01 ACE IP D 09 16 58.3 46 311 -.0
 . 01 ACD IP D 09 16 58.9 50 311 .1
 . 01 ASC IP 09 16 59.1 51 316 .2
 . 01 ACB IP D 09 16 59.5 55 312 .1
 . 01 ACA IP D 09 16 59.6 55 315 .2
 . 01 ACC IP D 09 17 .1 59 312 .1
 . 01 ACF IP C 09 17 .9 64 313 .2
 . 01 AND IP D 09 17 1.3 69 314 -.1
 . 01 SSI IP D 09 17 3.6 110.8 .1 4.07 85 356 .1
 . 01 AMA IP 09 17 3.7 87 78 -.1
 . 01 ANA IP 09 17 4.0 89 308 -.2
 .

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	RAT	IP D	09 17 7.9				119	309	-.2	
01	AMA	IP D	14 32 2.8							
01	ASD	IP	14 32 12.5	5.6	.1	2.82				
01	ASB	EP	14 32 13.5	5.2	.1	2.81				
		ES	14 32 25.6							
01	SSI	IP D	14 32 14.2	7.6	.1					
01	ASC	EP	14 32 14.6							
01	AND	EP	14 32 16.8							
01	15 53 28.58		51.54 N 179.97 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IP	15 53 40.8	22.5	.1	3.35	50	252	-.1	
01	SSI	IP	15 53 40.9	6.8	.1	2.83	50	323	-.0	
01	ASB	EP	15 53 41.5				57	251	-.1	
		IS	15 53 51.2						.2	
01	ASC	IP	15 53 41.9				60	263	.1	
01	AMA	IP	15 53 42.4	19.0	.1	3.32	66	114	.0	
01	AND	EP	15 53 43.0				74	273	-.2	
01	ANA	IP	15 53 45.5				95	277	.1	
01	RAT	IP	15 53 48.4				121	285	.1	
01	19 52 39.82		52.14 N 176.74 W							FIXED DEPTH SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN ISLANDS							
01	AMA	IP	19 53 15.7	31.9	.1	3.96	189	241	-.1	
01	SSI	EP	19 53 21.8	3.4	.1		253	265	-.0	
01	ASD	EP	19 53 25.0	3.2	.1		283	254	.2	
01	ASB	EP	19 53 25.5	3.9	.1		290	254	-.1	
		ES	19 53 59.0						-.0	
01	ASC	EP	19 53 26.0				292	257	.2	
01	AND	EP	19 53 26.8				303	259	-.2	
01	ACE	IP	21 42 52.3							
01	ASB	IP D	21 42 52.4	117.3	.1	3.85				
		IS	21 42 57.8							
01	ACD	IP	21 42 52.4							
01	ACB	IP	21 42 52.5							
01	ACC	IP	21 42 52.5							
01	ACF	IP	21 42 52.8							
01	ACA	IP	21 42 52.9							
01	ASC	IP D	21 42 53.0							
01	AND	IP	21 42 53.0							
01	ASD	IP	21 42 53.2							
01	ANA	IP	21 42 53.8							
01	RAT	IP	21 42 56.8							
01	SSI	IP D	21 43 .7							
01	AMA	EP	21 43 2.5							
01	22 19 9.63		50.88 N 179.82 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IP	22 19 23.8	3.1	.1	2.50	82	314	-.1	
		E(S)	22 19 34.3						.0	
01	ASB	EP	22 19 24.3	2.2	.1	2.37	84	309	.0	
01	ASC	EP	22 19 26.1				96	313	.1	
01	AND	EP	22 19 28.4				114	312	-.0	
01	SSI	IP D	22 19 29.1				120	340	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
02	0 27	1.88	50.96 N 179.24 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	IP D	00 27 10.3	3.9	.1	2.38	44	0	.1	
		IS	00 27 16.3						.0	
02	ASD	IP C	00 27 10.7	1.7	.1	2.04	48	8	-.1	
02	ACE	EP	00 27 10.9				49	354	.0	
02	ACD	EP	00 27 11.4				52	352	.0	
02	ACB	IP	00 27 11.9				57	349	-.1	
.....										
02	1 42	22.60	51.03 N 179.34 E	DEPTH = 19.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	EP	01 42 29.6				37	350	-.0	
		ES	01 42 34.7						-.0	
02	ASD	EP	01 42 30.0	1.3	.1	1.84	40	0	-.0	
02	AND	EP	01 42 33.7				65	335	-.0	
.....										
02	3 3	34.17	51.37 N 179.75 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASD	EP	03 03 40.3	2.0	.1	1.97	29	275	-.2	
		IS	03 03 45.0						-.0	
02	ASB	EP	03 03 41.4	4.1	.1	2.34	35	269	.1	
02	ASC	EP	03 03 42.3				42	284	.1	
.....										
02	4 21	54.45	51.40 N 179.80 E	DEPTH = 60.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASD	EP	04 22 4.6	2.0	.1	2.20	32	269	-.0	
		ES	04 22 12.0						-.0	
02	ASB	EP	04 22 5.1	3.2	.1	2.43	39	264	-.0	
02	ASC	EP	04 22 5.6				45	280	-.0	
.....										
02	13 20	12.11	51.30 N 180.00 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IP	13 20 21.1	2.2	.1	2.16	47	282	.3	
		IS	13 20 27.2						.0	
02	ASB	EP	13 20 21.5				53	277	-.2	
02	AND	EP	13 20 25.3				78	292	-.1	
.....										
02	AMA	EP	15 05 42.9	10.0	.1					
02	ASD	EP	15 05 53.4	1.7	.1					
02	ASB	EP	15 05 54.1	4.1	.1					
02	ASC	EP	15 05 54.8							
.....										
02	15 27	28.51	51.44 N 178.83 E	DEPTH = 45.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	EP	15 27 36.0				16	33	-.0	
02	ACC	EP	15 27 36.1				16	72	.1	
02	ACF	EP	15 27 36.1				15	51	.1	
02	ACA	EP	15 27 36.3				21	77	-.0	
02	ACB	EP	15 27 36.3				18	82	.1	
02	ANA	EP	15 27 36.4				24	331	-.1	
02	ACD	EP	15 27 36.4				21	94	.0	
02	ACE	EP	15 27 36.5				24	101	-.1	

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OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	ASC	EP	15 27 36.6				23	84	.1	
02	ASB	EP	15 27 37.0	.6	.1	1.60	30	107	-.1	
02	ASD	EP	15 27 37.6				36	99	.0	
		ES	15 27 44.0						-.2	
02	AMA	EP	17 33 16.8	5.7	.1	2.54				
		IS	17 33 22.3							
02	ASD	EP	17 33 31.9	1.5	.1	2.46				
02	ASB	EP	17 33 32.6	2.6	.1	2.69				
		ES	17 33 51.7							
02	ASC	EP	17 33 33.7							
02	20 0 8.27		51.44 N 178.63 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
02	ANA	IP D	20 00 15.0				21	6	.1	
02	AND	IP D	20 00 15.5				26	59	.1	
02	ACF	IP	20 00 15.5				27	69	.0	
02	ACC	IP	20 00 15.9				29	80	.2	
02	ACB	IP	20 00 16.2				32	85	.2	
02	ACA	IP	20 00 16.4				34	82	.2	
02	ACD	IP	20 00 16.4				35	92	.1	
02	ACE	IP	20 00 16.6				38	96	-.1	
02	ASC	IP C	20 00 16.8				37	86	.2	
02	ASB	IP C	20 00 17.2				44	101	-.2	
		ES	20 00 23.2						-.8	
02	RAT	IP D	20 00 17.2	21.9	.1	3.18	45	333	-.3	
02	ASD	IP C	20 00 18.0				50	96	-.1	
02	SSI	IP	20 00 22.6				83	52	-.1	
02	AMA	IP	20 32 40.4	19.5	.1					
02	ASD	EP	20 32 50.8	2.1	.1					
02	ASB	EP	20 32 51.7	3.4	.1					
		ES	20 33 40.1							
02	ASC	EP	20 32 52.6							
02	ADK	EP	21 41 40.0							
		ES	21 41 52.5							
02	AMA	EP	21 42 1.5							
02	SSI	EP	21 42 13.2							
02	ASD	EP	21 42 15.1							
02	ASB	EP	21 42 16.0							
		ES	21 42 59.8							
02	ASC	IP C	21 42 16.9							
02	AND	EP	21 42 19.0							
02	ANA	EP	21 42 21.7							
03	0 19 5.37		51.31 N 179.84 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASD	IP	00 19 12.9				36	285	.2	BRUSH RECORD
		IS	00 19 17.5						-.4	
03	ASB	IP	00 19 13.5				41	278	.0	
03	ACE	IP C	00 19 14.3				47	283	.0	
03	ACD	IP	00 19 14.8				50	285	.1	
03	ASC	IP	00 19 14.9				50	290	.3	
03	ACA	EP	00 19 15.1				53	291	-.0	
03	ACB	IP	00 19 15.4				55	289	.1	
03	ACC	IP	00 19 15.9				58	290	.1	
03	ACF	IP	00 19 16.6				63	293	.1	
03	AND	IP	00 19 16.8				67	295	-.3	</

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
03	0 36	43.83	51.75 N 179.60 E	DEPTH = 137.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	00 37 3.1	1.8	.1	2.46	43	204	-.1	
		IS	00 37 17.3						-.0	
03	AND	EP	00 37 3.3				49	246	-.1	
03	ASB	EP	00 37 3.4	2.6	.1	2.62	49	210	-.0	
03	ASC	EP	00 37 3.4				44	224	.2	
03	ANA	EP	00 37 4.3				66	259	.0	
.....										
03	1 5	54.38	51.29 N 178.38 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IP D	01 06 2.1				42	27	-.3	
03	AND	IP D	01 06 3.5				50	52	-.0	
03	ACF	IP	01 06 3.5				50	58	-.0	
03	ACC	IP	01 06 3.8				51	64	.2	
03	ACB	IP	01 06 4.1				53	68	.2	
03	ACD	IP	01 06 4.4				55	73	.2	
03	ACA	IP	01 06 4.5				55	67	.2	
03	ACE	IP	01 06 4.5				56	77	.1	
03	ASC	EP	01 06 4.9				58	70	.3	
03	ASB	IP D	01 06 5.1	34.2	.1	3.43	61	82	.0	
03	ASD	IP D	01 06 5.9	13.6	.1	3.06	68	80	-.2	
		IS	01 06 14.1						-.5	
03	SSI	IP D	01 06 11.9	309.8	.2	4.29	107	51	-.0	
03	AMA	IP C	01 06 21.2	15.8	.2	3.18	175	89	-.5	
.....										
03	AMA	IP D	02 05 43.1							
03	ASD	EP	02 05 56.3	6.3	.1	2.92				
03	ASB	EP	02 05 57.4	6.4	.1	2.95				
		ES	02 06 10.9							
03	SSI	IP	02 05 57.9							
03	ASC	EP	02 05 58.4							
03	AND	EP	02 06 .9							
03	ANA	EP	02 06 3.8							
.....										
03	2 10	17.59	51.10 N 178.54 E	DEPTH = 35.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ACC	IP	02 10 28.2				55	39	.0	
03	ACE	IP	02 10 28.2				55	53	.0	
03	AND	EP	02 10 28.3				59	29	-.4	
03	ACD	IP D	02 10 28.3				55	49	.1	
03	ASB	EP	02 10 28.4	8.6	.1	2.84	57	59	-.0	
		ES	02 10 36.3						.0	
03	ACB	IP C	02 10 28.4				55	43	.2	
03	ACA	EP	02 10 28.7				58	43	.1	
03	ASC	EP	02 10 28.8				59	47	.1	
03	ANA	EP	02 10 28.8				59	8	.1	
03	ASD	EP	02 10 29.3	1.5	.1	2.12	64	60	-.2	
03	SSI	EP	02 10 36.6	2.7	.1	2.56	114	39	.0	
.....										
03	5 21	8.37	51.06 N 179.70 E	DEPTH = 30.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IP C	05 21 16.9	3.4	.1	2.34	44	326	-.2	
03	ASB	IP	05 21 17.4	2.0	.1	2.12	46	317	.1	
		ES	05 21 23.3						-.5	
03	ACE	EP	05 21 18.3				53	316	.1	
03	ACD	EP	05 21 18.9				57	317	.2	
03	ASC	IP	05 21 19.1				58	321	.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 03	ACB	EP	05 21 19.5				62	317	.1	
. 03	ACA	EP	05 21 19.6				62	320	.1	
. 03	ACC	EP	05 21 20.1				66	316	.1	
. 03	ACF	EP	05 21 20.9				71	317	.1	
. 03	AND	IP C	05 21 21.6				76	317	.1	
. 03	AMA	EP	05 21 23.0				87	73	-.1	
. 03	SSI	IP	05 21 24.1				93	355	.1	
. 03	ANA	IP D	05 21 24.3				96	312	-.1	
. 03	RAT	EP	05 21 28.3				126	311	-.5	
.....										
. 03	5 26 47.21 50.95 N 178.73 E DEPTH = 26.3 KM						FREE DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
. 03	ASB	IP C	05 26 57.7	6.4	.1	2.69	58	38	.1	
	ES		05 27 5.2						.0	
. 03	ACE	EP	05 26 57.7				59	31	-.0	
. 03	ACD	EP	05 26 58.0				60	28	.1	
. 03	ACB	EP	05 26 58.3				63	23	.1	
. 03	ACC	EP	05 26 58.4				64	20	.0	
. 03	ASD	EP	05 26 58.4	4.3	.1	2.56	65	41	-.2	
. 03	ASC	EP	05 26 58.6				65	28	.1	
. 03	ACA	EP	05 26 58.8				65	24	.2	
. 03	ACF	IP	05 26 58.9				67	16	.0	
. 03	AND	EP	05 26 59.2				70	13	-.1	
. 03	ANA	EP	05 27 0.0				76	356	-.2	
. 03	RAT	EP	05 27 3.7				99	344	.1	
. 03	SSI	IP D	05 27 6.9	4.4	.1	2.79	121	29	.0	
.....										
. 03	5 49 23.39 51.55 N 178.78 E DEPTH = 22.8 KM						FREE DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
. 03	AND	IP D	05 49 27.5				12	86	-.2	
. 03	ANA	IP C	05 49 27.7				11	315	.1	
. 03	ACC	IP D	05 49 28.5				20	113	.0	
. 03	ACA	IP	05 49 29.1				25	109	.1	
. 03	ACB	IP	05 49 29.1				24	115	.2	
. 03	ASC	IP C	05 49 29.6				29	111	.1	
. 03	ACD	IP	05 49 29.6				29	119	.1	
. 03	ACE	IP	05 49 30.0				32	122	.0	
. 03	ASB	IP C	05 49 30.7	13.2	.1	2.86	39	123	-.2	
	IS		05 49 36.1						-.2	
. 03	RAT	IP C	05 49 31.1	16.1	.1	2.97	41	312	-.1	
. 03	ASD	IP C	05 49 31.4				43	115	-.1	
. 03	SSI	EP	05 49 35.0	4.9	.1	2.61	67	56	.0	
.....										
. 03	6 59 11.42 51.59 N 179.03 E DEPTH = 78.6 KM						FREE DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
. 03	AND	IP	06 59 22.6				6	235	-.1	
. 03	ACF	EP	06 59 22.7				8	196	-.0	
. 03	ACA	EP	06 59 22.8				14	153	-.0	
. 03	ACC	IP	06 59 22.8				12	174	-.0	
. 03	ACB	IP	06 59 22.9				15	163	.0	
. 03	ASC	IP	06 59 23.0				18	147	.1	
. 03	ACD	IP	06 59 23.2				20	157	.2	
. 03	ACE	IP	06 59 23.2				24	155	.0	
. 03	ANA	IP	06 59 23.3				25	278	.1	
. 03	ASD	IP D	06 59 23.4	6.0	.1	2.77	31	136	-.1	
. 03	ASB	IP	06 59 23.4				30	149	-.1	
	IS		06 59 32.2						-.0	
. 03	SSI	IP C	06 59 24.8				51	49	.0	
. 03	RAT	IP C	06 59 24.9	38.7	.1	3.62	53	296	-.0	
. 03	AMA	EP	06 59 33.1				134	104	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	SSI	EP	07 01 47.5							
03	AMA	EP	07 01 48.4							
03	ASD	EP	07 02 .4							
		ES	07 02 33.1							
03	ASB	EP	07 02 1.1							
03	ASC	IP	07 02 2.1							
03	AND	EP	07 02 3.5							
03	ANA	EP	07 02 5.8							
03	RAT	EP	07 02 8.5							
.....										
03	8 36	4.80	6.61 S 155.00 E	DEPTH = 58.0 KM	MB = 5.9					TELESEISMIC SOLUTION
			SOLOMON ISLANDS							
03	ADK	EP	08 46 28.0	166.3	.8		7017	19		
.....										
03	11 35	26.60	51.15 N 178.61 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ACE	EP	11 35 35.5				48	54	-.0	
03	ACC	EP	11 35 35.6				48	39	.1	
03	ACD	EP	11 35 35.6				48	49	.1	
03	ASB	IP	11 35 35.7	6.1	.1	2.62	50	62	-.1	
		ES	11 35 41.9						-.6	
03	ACB	EP	11 35 35.9				49	43	.3	
03	ACF	EP	11 35 36.0				50	32	.2	
03	AND	IP	11 35 36.1				52	27	.0	
03	ACA	IP	11 35 36.1				51	43	.1	
03	ASC	IP	11 35 36.2				52	48	.1	
03	ANA	IP	11 35 36.4				54	4	.1	
03	ASD	IP	11 35 36.6	5.9	.1	2.65	58	62	-.3	
03	RAT	IP	11 35 38.9	4.4	.1	2.61	75	345	-.5	
03	SSI	EP	11 35 44.2				107	39	-.0	
.....										
03	13 24	37.00	14.70 S 171.67 E	DEPTH = 10.0 KM	MB = 5.7	MS = 6.4				TELESEISMIC SOLUTION
			NEW HEBRIDES ISLANDS REGION							
03	ADK	EP	13 35 33.8				7458	8		6.6MS
.....										
03	RAT	EP	14 49 4.5	12.6	.1					
03	ANA	EP	14 49 8.2							
03	AND	EP	14 49 10.4							
03	ASB	EP	14 49 13.4							
03	ASD	EP	14 49 14.2							
		ES	14 49 47.2							
03	SSI	EP	14 49 16.3							
.....										
03	18 11	59.73	51.27 N 178.21 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ANA	IP J	18 12 9.3				50	38	.4	
03	RAT	IP D	18 12 9.5	243.4	.1	4.27	59	8	-.7	
03	AND	EP D	18 12 10.6				61	57	.2	
03	ACF	EP	18 12 10.6				61	62	.1	
03	ACC	EP	18 12 10.9				62	67	.2	
03	ACB	EP	18 12 11.2				65	70	.2	
03	ACA	EP	18 12 11.4				67	69	.0	
03	ACD	EP	18 12 11.4				66	74	.1	
03	ACE	EP	18 12 11.6				68	77	.1	
03	ASC	EP	18 12 11.9				69	72	.2	
03	ASB	IP C	18 12 12.1				73	82	-.1	
03	ASD	EP C	18 12 13.0				80	80	-.2	
		ES	18 12 22.0						-1.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 03	SSI	IP D	18 12 19.1				118	53	.2	
. 03	AMA	EP	18 12 28.1	6.7	.1	3.14	186	88	-.4	
.....										
.....										
. 03	18 15	2.40	51.26 N 178.27 E DEPTH = 0.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 03	ANA	EP	18 15 12.3				49	33	1.0	
. 03	RAT	IP D	18 15 12.4	20.5	.1	3.17	60	4	-1.0	
. 03	AND	EP	18 15 13.7				58	54	.7	
. 03	ASB	IP	18 15 15.1	5.0	.1	2.61	59	80	.2	
. 03	ASD	EP	18 15 16.0	1.7	.1	2.18	76	78	-.2	
		ES	18 15 25.3						-1.0	
. 03	SSI	EP	18 15 22.1				115	52	-.2	
.....										
. 03	ADK	EP	20 22 45.5							
		ES	20 22 54.2							
. 03	AMA	IP C	21 34 21.8	107.9	.2					
. 03	ASD	EP	21 34 36.4	1.5	.1	2.33				
		ES	21 34 50.0							
. 03	ASB	EP	21 34 37.3							
. 03	ASC	EP	21 34 38.3							
.....										
. 03	22 52	.33	51.85 N 178.68 E DEPTH = 114.9 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 03	ANA	EP	22 52 16.4				25	183	-.0	
. 03	AND	EP	22 52 16.8				37	149	-.0	
. 03	ASC	EP	22 52 17.8				54	142	.1	
. 03	SSI	IP C	22 52 18.2	3.4	.1	2.70	63	85	-.0	
. 03	ASD	EP	22 52 18.5	8.0	.1	3.07	58	138	-.1	
		ES	22 52 31.9						-.0	
. 03	ASB	EP	22 52 18.5	3.5	.1	2.71	67	144	.0	
.....										
. 03	23 17	26.40	51.76 N 173.34 W DEPTH = 31.0 KM MB = 4.3					TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIAN IS.										
. 03	ADK	EP	23 17 59.0				231	275		
		ES	23 18 28.0							
. 03	NIK	EP	23 18 13.0				334	64		
. 03	AMA	IP C	23 18 21.3	140.3	.3		404	265		
. 03	SSI	IP D	23 18 33.1				488	275		
. 03	ASD	EP	23 18 35.0	15.3	.2		509	268		
. 03	ASB	EP	23 18 35.9	23.6	.2		516	268		
		ES	23 19 36.1							
. 03	ASC	EP	23 18 36.9				521	269		
. 03	AND	EP	23 18 38.8				534	271		
. 03	ANA	EP	23 18 41.2				554	272		
. 03	RAT	EP	23 18 43.6				575	274		
. 03	SMY	EP	23 19 16.0				864	282		
.....										
. 03	ADK	EP	23 46 1.7							
		ES	23 46 31.1							
. 03	AMA	IP D	23 46 23.4							
. 03	SSI	EP	23 46 34.1							
. 03	ASD	EP	23 46 36.9	5.0	.1					
. 03	ASB	EP	23 46 37.9	2.8	.1					
		ES	23 47 45.9							
. 03	ASC	EP	23 46 38.9							
. 03	AND	EP	23 46 40.7							
. 03	ANA	EP	23 46 43.8							
. 03	RAT	EP	23 46 45.9							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	0 33	7.41	50.21 N 178.01 E	DEPTH = 156.2 KM					FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	EP	00 33 36.5	2.4	.1	2.75	155	34	-.1	
04	ASD	EP	00 33 37.2	1.8	.1	2.64	162	35	.0	
		ES	00 33 58.9						.0	
04	ASC	EP	00 33 37.3				161	30	.1	
04	AND	EP	00 33 37.3				165	23	-.2	
04	ANA	EP	00 33 37.5				164	16	.1	
.....										
04	0 38	33.19	51.21 N 178.66 E	DEPTH = 33.4 KM					FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	EP	00 38 42.2	2.0	.1	2.13	44	68	.0	
		ES	00 38 48.7						-.0	
04	AND	EP	00 38 42.2				44	28	.0	
04	ANA	EP	00 38 42.4				46	0	-.0	
04	ASD	EP	00 38 43.1				52	67	-.0	
.....										
04	1 30	34.10	5.85 S 154.18 E	DEPTH = 74.0 KM MB = 5.7					TELESEISMIC SOLUTION	
SOLOMON ISLANDS										
04	ADK	EP	01 40 53.4				6958	20		
.....										
04	2 40	38.71	51.82 N 177.97 E	DEPTH = 135.6 KM					FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
04	RAT	EP	02 40 57.2				25	95	-.1	
04	ANA	EP	02 40 58.4				52	114	.1	
04	AND	EP	02 40 59.4				74	113	-.1	
		ES	02 41 14.6						-.0	
04	ASC	EP	02 41 1.1				92	115	.4	
04	ASB	EP	02 41 1.4				102	120	-.1	
04	ASD	EP	02 41 1.6	1.7	.1	2.50	106	116	-.2	
.....										
04	AMA	IP C	04 26 4.9							
04	ASD	IP	04 26 19.9	10.4	.1	3.20				
04	ASB	IP	04 26 20.8	19.0	.1	3.48				
		ES	04 26 36.5							
04	ASC	IP	04 26 21.7							
04	AND	EP	04 26 23.7							
04	ANA	EP	04 26 26.7							
04	RAT	EP	04 26 29.9							
.....										
04	5 5	16.91	51.52 N 178.40 E	DEPTH = 62.4 KM					FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ANA	IP D	05 05 26.8				22	55	.1	
04	RAT	IP D	05 05 27.2				32	351	-.1	
04	AND	IP C	05 05 27.7				38	82	-.0	
04	ACF	IP D	05 05 27.7				41	88	-.2	
04	ACC	IP D	05 05 28.2				44	94	-.0	
04	ACB	IP D	05 05 28.6				48	97	.1	
04	ACA	IP D	05 05 28.8				50	94	.1	
04	ACD	IP D	05 05 28.9				52	101	.1	
04	ACE	IP D	05 05 29.0				55	103	-.1	
04	ASC	IP J	05 05 29.1				53	96	.1	
04	ASB	IP D	05 05 29.7	81.5	.1	3.92	61	106	-.0	
		IS	05 05 39.0						-.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 04	ASD	IP D	05 05 30.2				67	102	-.1	
. 04	AMA	EP D	05 05 42.9				175	97	-.0	
. 04	ADK	EP	05 06 2.9				341	81	-.5	
.....										
. 04	6 18 4.21		51.54 N 178.74 E	DEPTH = 51.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 04	ANA	EP	06 18 12.5				11	332	.2	
. 04	AND	EP	06 18 12.7				15	81	.3	
. 04	ASC	EP	06 18 13.6				31	106	.2	
. 04	RAT	IP	06 18 13.7				40	316	-.5	
. 04	ASD	EP	06 18 14.4	.7	.1	1.75	45	111	-.3	
. 04	ASB	EP	06 18 14.5				41	119	.3	
	IS		06 18 20.7						-.8	
.....										
. 04	AMA	IP	08 09 19.1							
. 04	ASD	EP	08 09 29.1	2.7	.1					
. 04	ASB	EP	08 09 29.9	5.2	.1					
	ES		08 10 17.8							
. 04	ASC	EP	08 09 30.3							
. 04	AND	EP	08 09 31.2							
.....										
. 04	8 35 53.02		51.14 N 178.42 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 04	ANA	IP	08 36 3.5				57	17	.3	
. 04	AND	IP	08 36 3.7				60	38	.0	
. 04	ASB	IP	08 36 4.1	2.4	.1	2.29	63	66	.0	
	ES		08 36 11.6						-.5	
. 04	ASC	IP	08 36 4.2				64	55	.1	
. 04	ASD	EP	08 36 4.9				70	66	-.2	
. 04	RAT	IP	08 36 5.2				74	355	-.5	
. 04	SSI	EP	08 36 12.6				117	44	.5	
.....										
. 04	11 6 7.93		21.79 N 143.96 E	DEPTH = 124.0 KM			TELESEISMIC SOLUTION			
MARIANA ISLANDS REGION										
. 04	ADK	EP	11 13 54.2				4746	35		
.....										
. 04	13 29 20.42		51.11 N 178.73 E	DEPTH = 28.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 04	ASB	EP	13 29 29.1	1.3	.1	1.93	45	53	-.0	
. 04	ASC	EP	13 29 29.8				49	38	.1	
. 04	AND	EP	13 29 30.0				52	17	-.1	
. 04	ASD	EP	13 29 33.1				53	54	-.0	
	ES		13 29 37.2						.0	
. 04	ANA	EP	13 29 30.8				57	355	.0	
.....										
. 04	13 48 24.94		51.18 N 178.62 E	DEPTH = 32.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 04	ASB	EP	13 48 34.2	3.1	.1	2.33	48	65	-.0	
	ES		13 48 41.0						-.0	
. 04	AND	EP	13 48 34.2				48	28	-.1	
. 04	ASC	EP	13 48 34.5				49	50	.1	
. 04	ANA	EP	13 48 34.5				50	3	.0	
. 04	ASD	EP	13 48 35.2				55	65	-.0	
.....										

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
. 04	17 43	13.65	52.27 N 179.57 E	DEPTH = 150.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 04	ASC	EP	17 43 37.3				94	197	.0	
. 04	ANA	EP	17 43 37.4				95	221	.1	
. 04	ASD	EP	17 43 37.6	1.5	.1	2.48	99	189	-.0	
		ES	17 43 55.1						.0	
. 04	RAT	EP	17 43 37.6				99	239	-.1	
. 04	ASB	EP	17 43 37.9				103	192	-.0	
.....										
. 04	18 48	20.60	52.97 N 167.25 W	DEPTH = 46.0 KM MB = 3.8			TELESEISMIC SOLUTION			
			FOX ISLANDS, ALEUTIAN ISLANDS							
. 04	NIK	EP	18 48 38.7				108	271		
.....										
. 04	20 0	6.41	51.73 N 178.46 E	DEPTH = 87.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 04	RAT	IP C	20 00 18.8				12	308	-.1	
. 04	ANA	IP	20 00 19.1				18	131	.1	
. 04	AND	EP	20 00 20.0				39	119	.1	
. 04	ASC	EP	20 00 21.1				57	122	-.0	
. 04	ASB	EP	20 00 22.0				68	127	.0	
		ES	20 00 33.3						-.1	
. 04	ASD	EP	20 00 22.2	1.5	.1	2.29	72	122	-.1	
.....										
. 04	ADK	EP	21 28 1.2							
		ES	21 28 8.0							
. 04	AMA	IP	21 57 14.8	28.1	.1					
. 04	SSI	EP	21 57 21.5	5.9	.1					
. 04	ASD	EP	21 57 24.2	10.6	.1					
. 04	ASB	EP	21 57 24.9	11.8	.1					
		ES	21 58 11.5							
. 04	ASC	EP	21 57 25.5							
. 04	AND	EP	21 57 26.4							
. 04	ANA	EP	21 57 28.4							
. 04	RAT	EP	21 57 30.5	21.9	.1					
.....										
. 05	0 9	7.00	51.95 N 172.74 E	DEPTH = 18.0 KM MB = 4.5			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 05	SMY	EP	00 09 28.0				127	46	.5	
. 05	RAT	EP	00 10 .9				384	90	.1	
. 05	AND	EP	00 10 7.9				430	93	1.4	
. 05	ANA	EP	00 10 7.9				409	93	4.0	
. 05	ASB	EP	00 10 10.7				454	96	1.3	
		ES	00 10 57.4						2.4	
. 05	SSI	EP	00 10 11.7				470	88	.3	
. 05	ASD	EP	00 10 11.9				460	95	1.8	
. 05	ASC	EP	00 10 16.1				446	94	7.6	
. 05	AMA	EP	00 10 23.1				568	94	-.4	
. 05	GMA	EP	00 13 28.6				2112	34	-5.5	
.....										
. 05	0 46	26.81	51.11 N 179.29 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 05	ASD	EP	00 46 42.5	3.9	.1	2.70	100	288	-1.0	
		ES	00 46 54.4						-1.3	
. 05	ASB	EP	00 46 43.4	3.8	.1	2.70	106	286	-.8	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	ASC	EP	00 46 44.9				115	290	-.4	
.....										
05	1 40	7.90	52.45 N 170.46 W DEPTH = 50.0 KM MB = 4.5					TELESEISMIC SOLUTION		
FOX ISLANDS, ALEUTIAN ISLANDS										
05	NIK	EP	01 40 26.5				123	61		
05	ADK	EP	01 41 6.4				431	264		
		ES	01 41 49.6							
05	AMA	EP	01 41 27.3	26.2	.1		610	261		
05	SSI	IP	01 41 39.9				684	269		
05	ASO	IP	01 41 41.8	11.1	.1		712	265		
05	ASB	EP	01 41 42.4	12.7	.1		719	264		
		ES	01 42 58.0							
05	ASC	EP	01 41 43.8				722	265		
05	AND	EP	01 41 44.7				734	266		
05	ANA	EP	01 41 47.5				752	267		
05	RAT	EP	01 41 50.2				771	269		
.....										
05	6 47	12.07	52.23 N 179.56 E DEPTH = 198.2 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	AND	IP	06 47 40.5				85	210	.2	
05	ANA	IP	06 47 40.6				91	223	-.1	
05	ASO	IP	06 47 40.7	8.1	.1	3.28	94	189	-.1	
		ES	06 48 1.8						-.0	
05	ASC	IP	06 47 40.8				89	198	.2	
05	RAT	EP	06 47 40.9				97	241	-.1	
05	ASB	2P	06 47 41.0	5.9	.1	3.14	99	193	-.1	
05	AMA	EP	06 47 43.7	6.7	.1	3.23	139	138	-.0	
.....										
05	ASB	EP	07 05 12.7	2.7	.1	2.65				
		ES	07 05 29.0							
05	ASO	EP	07 05 12.8	2.7	.1	2.64				
.....										
05	8 57	46.95	51.83 N 177.18 E DEPTH = 75.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP	08 58 2.0	2.5	.1	2.49	79	92	-.5	
05	ANA	IP	08 58 5.1				135	102	-.1	
05	AND	EP	08 58 7.2				126	133	-.4	
05	ASO	EP	08 58 11.2	2.7	.1	2.70	157	107	-.3	
		IS	08 58 28.7						-.2	
05	ASB	EP	08 58 11.2				152	109	.6	
05	SSI	IP	08 58 12.7	9.8	.1	3.29	166	87	.5	
.....										
05	12 54	55.69	51.63 N 177.80 E DEPTH = 65.9 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP D	12 55 7.1	20.2	.1	3.26	41	63	.1	
05	ANA	IP	12 55 8.7				59	90	.1	
		IS	12 55 18.1						.0	
05	AND	IP	12 55 10.7				80	95	-.0	
05	ASC	IP	12 55 12.6				96	101	.1	
05	ASB	IP	12 55 13.2				105	106	-.3	
05	ASO	IP	12 55 13.9				110	104	-.2	
05	SSI	IP	12 55 15.8	48.8	.1	3.89	126	76	-.2	
05	AMA	EP	12 55 27.4	19.5	.1		218	99	.4	
.....										

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	13	1	17.06	51.52 N	179.03 E	DEPTH = 64.1 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	AND	IP	13 01 26.5				8	312	-.1	
05	ACA	EP	13 01 26.5				7	124	-.1	
05	ACB	IP	13 01 26.6				7	147	.0	
05	ACF	IP	13 01 26.6				3	291	.1	
05	ASC	IP	13 01 26.8				11	123	.2	
05	ACD	IP	13 01 26.8				12	144	.1	
05	ACE	IP	13 01 26.8				16	143	-.0	
05	ASD	IP	13 01 27.0	5.6	.1	2.66	25	123	-.2	
05	ASB	IP	13 01 27.1	11.6	.1	2.97	23	139	.0	
05	ES		13 01 34.3						-.1	
05	ANA	IP	13 01 27.5				29	296	.1	
05	SSI	EP	13 01 29.6				57	42	.0	
05	RAT	IP	13 01 29.6	7.1	.1	2.85	58	303	-.1	
05	AMA	EP	13 01 37.9	2.9	.1	2.67	131	100	.0	
.....										
05	17	11	39.16	52.38 N	179.86 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	SSI	IP	17 11 49.2	8.8	.1	2.98	57	199	-3.5	
05	AND	EP	17 11 58.1				110	215	.1	
05	ASD	EP	17 11 58.6	2.7	.1	2.61	116	198	-.0	
05	ASB	EP	17 11 58.9	3.0	.1	2.68	121	201	-.3	
05	ES		17 12 13.9						.1	
05	ANA	EP	17 11 59.2				117	225	.4	
05	RAT	IP	17 11 59.9	3.0	.1	2.68	123	239	.5	
05	AMA	EP	17 12 2.1	3.1	.1	2.74	141	149	.6	
.....										
05	20	32	45.05	52.22 N	178.42 E	DEPTH = 132.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP	20 33 4.0				48	188	-.1	
05	ANA	IP	20 33 5.3				68	166	.1	
05	AND	IP	20 33 6.2				82	153	.1	
05	ES		20 33 21.4						-.0	
05	ASC	IP	20 33 7.1				99	149	-.2	
05	ASB	IP	20 33 8.3	3.8	.1	2.86	112	149	-.0	
05	ASD	IP	20 33 8.5	4.5	.1	2.93	112	145	.1	
.....										
05	22	9	6.90	47.60 N	146.42 E	DEPTH = 400.0 KM MB = 4.9	TELESEISMIC SOLUTION			
NORTHWEST OF KURIL ISLANDS										
05	RAT	IP	22 13 21.1	508.2	.3		2331	67		
05	ANA	EP	22 13 23.2				2355	67		
05	AND	EP	22 13 24.6				2375	67		
05	ASC	EP	22 13 26.0				2390	67		
05	ASB	EP	22 13 26.3	10.2	.2		2397	68		
05	ASD	IP	22 13 26.8	39.2	.4		2403	68		TELESEISMIC
05	ADK	EP	22 13 47.6				2674	66		
.....										
06	3	48	53.70	20.26 S	177.97 W	DEPTH = 540.0 KM MB = 4.6	TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
06	ADK	EP	03 59 21.7				7988	1		

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	5	7 33.27	51.41 N 178.77 E DEPTH = 45.4 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
06	AND	IP C	05 07 41.1				22	36	-.1	
06	ACF	IP	05 07 41.2				20	49	.1	
06	ACC	IP	05 07 41.3				21	65	.2	
06	ACB	IP	05 07 41.4				23	74	.1	
06	ACA	IP	05 07 41.5				26	71	.0	
06	ACD	IP	05 07 41.5				26	84	.0	
06	ANA	IP D	05 07 41.5				26	343	.1	
06	ACE	IP	05 07 41.6				28	91	-.1	
06	ASC	IP D	05 07 41.8				28	77	.1	
06	ASB	IP	05 07 42.1	8.9	.1	2.78	34	98	-.0	
		IS	05 07 47.9						-.7	
06	ASD	IP	05 07 42.8				40	92	.1	
06	RAT	IP	05 07 43.9	44.7	.1	3.57	53	325	-.3	
06	SSI	IP	05 07 47.2	31.0	.1	3.51	78	46	.0	
.....										
06	7 15 41.70	20.65 S 178.45 W DEPTH = 625.0 KM MB = 4.9					TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
06	ADK	EP	07 26 5.6				8032	1		
.....										
06	7 27 10.00	20.50 S 178.93 W DEPTH = 635.0 KM MB = 4.3					TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
06	ADK	EP	07 37 32.4				8017	1		
.....										
06	9 51 51.72	51.76 N 179.97 E DEPTH = 38.7 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	SSI	IP C	09 51 59.5	39.9	.1	3.38	30	239	-.1	
06	ASD	IP D	09 52 2.8	15.7	.1	3.12	50	227	-.3	
		IS	09 52 12.2						.7	
06	ASC	IP D	09 52 3.8				65	248	-.0	
06	ACA	IP	09 52 3.9				67	242	-.1	
06	ASB	IP C	09 52 3.9	34.0	.1	3.49	67	229	-.2	
06	ACE	IP	09 52 4.1				68	234	-.2	
06	ACD	IP	09 52 4.2				69	238	-.1	
06	ACB	IP	09 52 4.3				70	242	-.1	
06	ACC	IP	09 52 4.6				71	245	-.1	
06	ACF	IP	09 52 4.8				73	249	-.0	
06	AND	IP C	09 52 4.9				74	253	-.1	
06	AMA	IP	09 52 6.4				83	129	.2	
06	ANA	IP C	09 52 7.8				92	261	.3	
06	RAT	IP	09 52 11.0	49.7	.1	3.83	113	273	.8	
.....										
06	11 37 54.88	52.04 N 178.09 E DEPTH = 144.3 KM MB = 4.9					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	RAT	IP C	11 38 14.5				32	148	-.2	
06	ANA	IP D	11 38 16.0				61	139	.1	
06	AND	IP D	11 38 16.9				80	131	-.1	
06	ACF	IP C	11 38 16.9				85	132	-.4	
06	ACC	IP D	11 38 17.9				91	133	.2	
06	ACA	IP D	11 38 18.1				95	131	.1	
06	ACB	IP D	11 38 18.2				95	132	.2	
06	ASC	IP C	11 38 18.3				98	130	.1	
06	ACD	IP D	11 38 18.4				100	133	.1	
06	ACE	IP D	11 38 18.6				104	133	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 06	SSI	IP D	11 38 18.8				104	99	.1	
. 06	ASB	IP D	11 38 19.1	901.0	.2	4.95	110	133	-.0	
		IS	11 38 36.8						-.1	
. 06	ASD	IP D	11 38 19.3				113	129	-.1	LARGE AMPS
. 06	AMA	IP C	11 38 28.6				211	112	-.1	
. 06	SMY	EP	11 38 35.5				281	287	-1.0	
. 06	ADK	IP	11 38 44.8				359	91	-.7	
		ES	11 39 23.3						.9	
. 06	NIK	EP	11 39 49.0				890	78	-.7	
. 06	GMA	EP	11 41 46.2				1903	30	-8.2	
.....										
06	ADK	EP	15 23 47.7							
		ES	15 23 56.1							
06	AMA	IP C	16 53 48.0	27.1	.1					
06	SSI	IP D	16 54 1.9	5.1	.1					
06	ASD	EP	16 54 2.6	2.2	.1	2.56				
		ES	16 54 18.7							
06	ASB	EP	16 54 3.1	3.4	.1	2.75				
06	ASC	EP	16 54 4.1							
06	AND	EP	16 54 5.9							
06	ANA	EP	16 54 8.9							
.....										
. 06	17 12 19.77	52.41 N 178.45 E DEPTH = 131.1 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 06	RAT	EP	17 12 39.6				68	187	-.1	
. 06	ANA	EP	17 12 41.2				88	170	.1	
. 06	AND	EP	17 12 42.1				100	159	.1	
		ES	17 12 58.2						-.0	
. 06	ASD	EP	17 12 44.4	.7	.1	2.15	129	151	-.1	
. 06	ASB	EP	17 12 44.4				129	154	-.1	
.....										
. 06	17 28 14.96	51.26 N 178.56 E DEPTH = 31.1 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 06	AND	IP	17 28 23.6				43	39	-.0	
. 06	ANA	IP	17 28 23.6				42	10	.2	
. 06	ACC	IP C	17 28 23.6				42	53	.2	
. 06	ACF	IP D	17 28 23.6				42	45	.1	
. 06	ACB	IP C	17 28 23.3				43	58	.2	
. 06	ACD	IP C	17 28 23.9				44	65	.2	
. 06	ACE	IP D	17 28 23.9				46	70	.0	
. 06	ACA	IP C	17 28 24.1				46	57	.1	
. 06	ASB	EP	17 28 24.3	4.0	.1	2.45	49	76	-.1	
		ES	17 28 30.6						-.6	
. 06	ASC	IP C	17 28 24.3				48	62	.1	
. 06	ASD	IP D	17 28 25.1	2.9	.1	2.18	56	75	-.3	
. 06	RAT	EP	17 28 25.7	16.7	.1	3.14	62	345	-.5	
. 06	SSI	IP D	17 28 31.7	15.5	.1	3.27	100	45	.0	
.....										
. 06	18 7 12.31	51.75 N 179.89 W DEPTH = 103.5 KM						FREE DEPTH SOLUTION</		

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	21 33	33.56	50.18 N 178.72 E	DEPTH =		0.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	EP	21 33 56.9	22.1	.1	3.53	136	16	.3	
		ES	21 34 13.4						-.0	
06	ASD	EP	21 33 57.4	3.6	.1	2.76	141	18	-.0	
06	ASC	EP	21 33 58.3				146	12	.2	
06	AND	EP	21 33 59.4				154	6	.0	
06	ANA	EP	21 34 .2				161	359	-.1	
06	SSI	EP	21 34 5.8				200	17	-.5	
.....										
06	22 6	38.61	51.47 N 178.18 E	DEPTH =		58.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	RAT	IP C	22 06 48.9	2.7	.1	2.35	38	16	-.1	
06	ANA	IP	22 06 49.1				37	63	.2	
		IS	22 06 56.4						-.1	
06	AND	IP C	22 06 50.3				54	79	-.2	
06	ACF	IP	22 06 50.8				57	84	.1	
06	ACC	IP	22 06 51.0				60	89	.0	
06	ACB	IP	22 06 51.4				63	91	.1	
06	ACA	IP	22 06 51.6				65	89	.1	
06	ACD	IP	22 06 51.7				66	94	.0	
06	ACE	IP	22 06 51.9				69	96	-.1	
06	ASC	IP	22 06 52.0				68	91	.1	
06	ASB	IP	22 06 52.5	5.5	.1	2.78	75	99	-.1	
06	ASD	IP	22 06 53.3	9.1	.1	3.02	81	96	-.0	
.....										
06	22 45	17.47	51.12 N 179.21 E	DEPTH =		27.0 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP D	22 45 23.8	23.8	.1	3.05	27	5	.0	
		IS	22 45 28.3						-.0	
06	ASD	IP D	22 45 24.1				32	16	-.2	
06	ACE	IP D	22 45 24.3				32	355	.0	
06	ACD	IP D	22 45 24.8				35	351	.1	
06	ASC	IP D	22 45 25.3				38	355	.1	
06	ACB	IP D	22 45 25.4				39	347	.1	
06	ACA	IP	22 45 25.5				41	351	.0	
06	ACC	IP D	22 45 25.7				42	344	.0	
06	ACF	IP C	22 45 26.4				48	341	-.0	
06	AND	IP C	22 45 26.9				53	340	-.2	
06	SSI	IP	22 45 32.6	8.8	.1	2.98	90	17	.1	
.....										
06	23 36	13.46	51.85 N 178.32 E	DEPTH =		135.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IP	23 36 32.3				34	136	.0	
06	AND	IP	23 36 32.9				54	125	-.2	
		ES	23 36 47.4						-.0	
06	ASC	EP	23 36 34.4				72	126	.3	
06	ASB	EP	23 36 34.8	1.7	.1	2.47	84	130	-.1	
06	ASD	IP	23 36 35.0	2.9	.1	2.72	87	125	-.1	
.....										
07	AMA	IP C	02 29 43.3	13.6	.1					
07	ASD	IP D	02 29 54.8	2.9	.1	2.68				
		ES	02 30 10.9							
07	ASC	IP	02 29 55.5							
07	ASB	EP	02 29 55.7							
07	SSI	EP	02 29 56.7							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ADK	EP	02 47 20.9							
		ES	02 47 29.4							
07	AMA	IP	02 47 33.2	11.9	.1					
07	ASD	EP	02 47 45.4							
07	ASB	EP	02 47 46.2							
		ES	02 48 16.8							
07	ASC	EP	02 47 47.5							
.....										
07	3	4	42.89	51.57 N	179.40 E	DEPTH = 78.2 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
07	ASD	EP	03 04 54.3	1.7	.1	2.20	20	192	-.1	
07	ASC	EP	03 04 54.6				20	235	.2	
07	ASB	EP	03 04 54.7				25	205	.1	
		IS	03 05 3.2						-.0	
07	ANA	IP	03 04 56.2				52	278	-.0	
.....										
07	5	10	8.74	51.85 N	178.23 E	DEPTH = 93.4 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
07	RAT	IP	05 10 21.8	42.6	.1	3.66	9	128	-.1	
07	ANA	IP	05 10 23.0				39	129	.1	
07	AND	IP	05 10 24.1				59	122	-.1	
		IS	05 10 35.4						-.0	
07	ASC	EP	05 10 25.9				78	123	.3	
07	ASB	EP	05 10 26.6	2.2	.1	2.50	89	127	-.0	
07	ASD	EP	05 10 26.8	1.8	.1	2.43	92	123	-.2	
07	SSI	EP	05 10 27.1				94	86	.0	
.....										
07	9	50	20.81	51.10 N	178.44 E	DEPTH = 46.6 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
07	ANA	IP	09 50 32.6				61	15	-.1	
07	ACB	IP	09 50 32.7				61	48	.0	
07	ACD	EP	09 50 32.7				61	53	.0	
07	ACE	EP	09 50 32.7				61	57	-.0	
07	AND	EP	09 50 32.8				63	35	-.1	
07	ACF	EP	09 50 32.8				61	39	.1	
07	ASB	IP	09 50 32.9	4.5	.1	2.62	63	62	-.1	
		ES	09 50 41.8						-.0	
07	ACA	IP	09 50 33.1				64	48	.1	
07	ASC	IP	09 50 33.2				65	51	.1	
07	ASD	EP	09 50 33.8				71	62	-.1	
.....										
07	ADK	EP	12 18 6.6							
		ES	12 18 21.2							
07	ADK	EP	13 55 9.9							
		ES	13 55 18.8							
07	ADK	EP	20 32 56.5							
		ES	20 33 23.3							
.....										
08	0	26	30.62	51.10 N	179.08 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
08	ASB	IP	00 26 37.4				31	22	.2	
		IS	00 26 42.1						.0	
08	ASD	IP	00 26 37.9	7.7	.1	2.63	37	29	-.1	
08	AND	IP	00 26 40.1				52	350	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	0 46 44.96		52.00 N 179.34 E				DEPTH = 180.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	AND	EP	00 47 8.8				56	209	-1	
08	ASD	IP	00 47 9.3	12.0	.1	3.40	68	180	-2	
		IS	00 47 28.0						-0	
08	ASC	IP	00 47 9.5				61	192	.3	
08	ASB	IP	00 47 9.6	8.2	.1	3.24	71	185	-0	
08	3 50 12.90		25.96 S 177.25 W				DEPTH = 92.0 KM	MB = 4.8		TELESEISMIC SOLUTION
			SOUTH OF FIJI ISLANDS							
08	ADK	EP	04 01 48.4				8618	0		
08	ADK	EP	15 08 16.2							
		ES	15 08 28.7							
08	ADK	EP	16 08 48.3							
		ES	16 08 59.4							
08	16 4 45.40		18.00 S 178.32 W				DEPTH = 548.0 KM	MB = 5.7		TELESEISMIC SOLUTION
			FIJI ISLANDS REGION							
08	ADK	IP	16 15 .9				7739	1		
08	16 53 30.72		51.67 N 178.26 E				DEPTH = 21.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	RAT	IP	16 53 34.8	104.3	.1	3.54	15	17	-3	
		IS	16 53 38.3						.0	
08	ANA	IP	16 53 37.1				28	100	.5	
08	AND	IP	16 53 39.6				49	104	.1	
08	ASC	IP	16 53 41.9				66	110	-2	
08	ASB	EP	16 53 43.4				76	116	-2	
08	ASD	EP	16 53 44.5	4.8	.1	2.67	81	112	.2	
		ES	16 53 53.6						-5	
08	SSI	IP	16 53 46.4				94	74	.1	
08	18 33 8.45		51.14 N 178.35 W				DEPTH = 34.3 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
08	AMA	IP	18 33 18.9				55	287	-0	
08	ADK	EP	18 33 29.7				142	54	-1.2	
		ES	18 33 45.8						-1.4	
08	ASD	IP	18 33 32.7	8.7	.1	3.20	163	281	-8	
08	SSI	IP	18 33 33.3	162.3	.2	4.18	165	301	-5	
08	ASB	IP	18 33 33.6				169	279	-6	
		ES	18 33 53.0						-1	
08	ASC	IP	18 33 35.6				177	283	.4	
08	AND	IP	18 33 37.6				193	285	.4	
08	ANA	IP	18 33 40.6				214	286	.8	
08	RAT	EP	18 33 43.5	157.0	.2		241	289	.3	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
09	0 30	11.31	49.97 N 179.64 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASB	IP	00 30 34.7				157	350	-.2	
		IS	00 30 52.2						.0	
09	ASD	IP	00 30 35.4				159	352	.2	BRUSH RECORD
09	AND	IP	00 30 38.3				183	345	.1	
.....										
09	1 37	19.77	51.54 N 179.43 E	DEPTH = 85.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASD	IP	01 37 31.9	9.9	.1	3.00	18	201	-.2	
09	ACE	IP	01 37 32.2				24	229	-.1	
09	ASB	IP	01 37 32.3	8.4	.1	2.94	24	213	-.0	
		ES	01 37 41.4						-.1	
09	ACA	IP	01 37 32.4				23	253	.1	
09	ACB	IP	01 37 32.4				25	250	.0	
09	ACD	IP	01 37 32.4				24	239	.1	
09	ASC	IP	01 37 32.5				21	245	.3	
09	AND	EP	01 37 32.7				33	274	-.0	
09	SSI	IP	01 37 33.1				41	15	-.0	
09	ANA	IP	01 37 33.9				54	280	-.1	
.....										
09	3 14	33.10	51.37 N 177.75 W	DEPTH = 65.0 KM MB = 3.6			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
09	ADK	EP D	03 14 49.6				93	51	.1	
		ES	03 15 1.7						.2	
09	AMA	IP D	03 14 49.7				95	265	-.0	
09	SSI	IP D	03 15 1.7				193	289	.3	
09	ASD	EP	03 15 2.7	9.8	.2		202	272	.2	
09	ASB	IP	03 15 3.7	9.9	.2		209	271	.4	
		ES	03 15 26.4						1.0	
09	ASC	IP	03 15 4.7				215	274	.7	
09	AND	EP	03 15 6.2				230	277	.3	
09	ANA	EP	03 15 9.1				251	278	.7	
09	RAT	IP	03 15 11.9				276	282	.4	
.....										
09	6 2	57.10	50.00 N 77.67 E	DEPTH = 0.0 KM MB = 5.4			TELESEISMIC SOLUTION			
			EASTERN KAZAKH SSR							
09	AMA	IP C	06 09 27.0	15.2	.1		6658	45		
09	ASD	IP D	06 09 28.8	4.6	.1		6571	46		
09	ASB	IP	06 09 28.8	7.3	.1		6569	46		
		IP	06 09 46.7							
09	ASC	IP	06 09 30.7				6557	46		
09	AND	EP	06 09 32.6				6539	46		
09	SSI	EP	06 09 36.1				6546	45		
.....										
09	9 4	34.88	51.24 N 179.86 W	DEPTH = 38.8 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
09	AMA	IP C	09 04 45.3	93.0	.1	3.86	53	84	-.1	
09	ASD	IP C	09 04 46.0				58	287	.0	
09	ASB	IP	09 04 46.8				63	282	.1	
		IS	09 04 55.1						-.2	
09	ACE	IP	09 04 47.5				69	285	-.0	
09	ASC	IP	09 04 48.0				72	290	.1	
09	ACD	IP	09 04 48.1				73	287	.1	
09	ACA	IP	09 04 48.6				75	291	.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 09	ACB	IP	09 04 48.6				77	289	.0	
. 09	ACC	IP	09 04 49.2				81	290	.1	
. 09	SSI	IP D	09 04 49.3				82	332	.0	
. 09	ACF	IP	09 04 49.7				85	292	-.1	
. 09	AND	EP	09 04 49.9				89	294	-.5	
. 09	ANA	EP	09 04 52.9				111	293	-.2	
. 09	RAT	IP D	09 04 56.8				140	297	.2	
.....										
09	AMA	IP C	10 07 25.5	30.3	.1					
09	ASD	EP	10 07 41.0	2.1	.1	2.51				
		ES	10 07 56.3							
09	ASB	EP	10 07 42.1							
09	SSI	IP	10 07 42.4							
09	ASC	EP	10 07 43.0							
.....										
. 09	12 7 17.83	50.00 N 179.47 E DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	ASB	IP	12 07 40.8	4.5	.1	2.90	153	354	-.1	
		ES	12 07 57.7						-.1	
. 09	ASD	IP	12 07 41.2	6.0	.1	3.03	155	357	-.1	
. 09	ASC	EP	12 07 42.3				165	352	-.1	
. 09	AMA	EP	12 07 43.5	5.2	.1	3.01	175	34	-.2	
. 09	AND	EP	12 07 43.7				178	348	-.4	
. 09	ANA	EP	12 07 45.7				190	343	.1	
. 09	SSI	IP	12 07 49.2				211	2	1.0	
.....										
. 09	14 49 3.43	51.20 N 179.70 W DEPTH = 45.7 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 09	AMA	IP	14 49 13.3	17.6	.1	3.11	42	76	.1	
. 09	ASD	IP	14 49 16.0	10.4	.1	3.00	70	288	-.4	
. 09	ASB	IP	14 49 16.8	11.8	.1	3.08	76	284	-.2	
. 09	ASC	IP	14 49 18.0				84	291	-.1	
		IS	14 49 29.3						.5	
. 09	SSI	IP D	14 49 18.8				92	328	-.2	
. 09	AND	EP	14 49 20.1				102	294	-.2	
. 09	ANA	EP	14 49 23.7				123	293	.8	
. 09	RAT	IP	14 49 26.5				152	297	.0	
.....										
. 09	16 15 21.04	51.52 N 178.74 E DEPTH = 16.1 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	AND	IP D	16 15 24.9				15	74	-.0	
. 09	ASB	EP	16 15 28.3				40	117	.0	
. 09	ASD	EP	16 15 29.0	1.7	.1	1.99	44	109	-.0	
		IS	16 15 34.8						-.0	
.....										
. 09	19 18 6.36	51.41 N 178.79 E DEPTH = 46.5 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	AND	IP	19 18 14.2				21	33	-.1	
. 09	ACC	IP	19 18 14.4				20	64	.1	
. 09	ACF	IP	19 18 14.4				20	47	.2	
. 09	ACB	IP	19 18 14.6				22	73	.2	
. 09	ACD	IP	19 18 14.7				24	84	.1	
. 09	ACE	IP	19 18 14.7				27	91	-.0	
. 09	ANA	IP	19 18 14.8				26	340	.1	
. 09	ASC	IP	19 18 14.9				27	76	.1	
. 09	ASB	IP	19 18 15.1	8.6	.1	2.77	32	99	-.1	
		IS	19 18 20.9						-.7	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 09	ASD	IP	19 18 15.8	8.3	.1	2.78	39	92	.0	
. 09	RAT	IP	19 18 17.1	13.7	.1	3.06	54	324	-.3	
. 09	SSI	IP D	19 18 20.2	22.2	.1	3.36	77	45	.0	
.....										
. 09	19 59 48.15	51.00 N 179.21 E DEPTH = 35.5 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	ASB	IP D	19 59 56.7	434.5	.1	4.45	40	3	-.1	
. 09	ASD	IP D	19 59 57.0				44	12	-.3	LARGE AMP
. 09	ACE	IP D	19 59 57.3				45	356	-.0	
. 09	ACD	IP D	19 59 57.9				48	353	.1	
. 09	ASC	IP D	19 59 58.3				52	356	.1	
. 09	ACB	IP	19 59 58.4				52	350	.1	
. 09	ACA	IP	19 59 58.7				54	353	.2	
. 09	ACC	IP	19 59 58.8				55	348	.1	
. 09	ACF	IP	19 59 59.5				61	345	.1	
. 09	AND	IP D	20 00 0.0				65	344	-.0	
. 09	ANA	IP D	20 00 2.1				80	331	.0	
		IS	20 00 12.0						-.2	
. 09	SSI	IP D	20 00 5.5				103	15	.1	
. 09	RAT	IP C	20 00 6.1				108	326	-.1	
. 09	AMA	IP C	20 00 7.9				121	74	-.0	
.....										
. 09	20 38 59.12	51.27 N 179.93 E DEPTH = 31.4 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	ASD	IP C	20 39 7.3	18.8	.1	3.08	43	288	-.4	
. 09	ASB	IP C	20 39 8.4				48	282	-.0	
		ES	20 39 15.5						.3	
. 09	ACE	IP	20 39 9.3				54	286	.0	
. 09	ASC	IP C	20 39 9.7				57	292	.1	
. 09	ACD	IP	20 39 9.8				58	288	.1	
. 09	ACA	IP	20 39 10.2				61	293	.0	
. 09	ACB	IP	20 39 10.4				62	291	.1	
. 09	AMA	IP C	20 39 11.1	9.5	.1	2.92	67	88	.1	
. 09	ACF	IP	20 39 11.6				71	294	.0	
. 09	SSI	IP C	20 39 11.9	97.5	.1	3.96	73	341	-.0	
. 09	AND	EP	20 39 12.0				75	296	-.2	
. 09	ANA	EP	20 39 15.4				96	295	.1	
. 09	RAT	IP C	20 39 19.5				125	299	-.1	
.....										
. 09	21 33 51.95	50.08 N 177.38 E DEPTH = 75.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	AND	EP	21 34 20.5				199	33	-.7	
. 09	ASB	EP	21 34 20.6	2.2	.1	2.69	194	42	-.0	
		ES	21 34 41.0						-.6	
. 09	ASC	EP	21 34 21.2				199	38	-.0	
. 09	ASD	EP	21 34 21.6	1.3	.1		201	43	.1	
. 09	SSI	EP	21 34 28.7	5.6	.1		255	37	.7	
		ES	21 34 54.8						.6	
.....										
. 09	22 9 12.93	51.56 N 178.81 E DEPTH = 20.6 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	AND	IP D	22 09 16.8				10	90	-.0	
. 09	ANA	IP	22 09 17.0				12	305	.0	
. 09	ASB	IP	22 09 20.1	2.2	.1	2.07	38	126	-.0	
		ES	22 09 25.4						.0	
. 09	ASD	IP	22 09 20.7	2.2	.1	2.11	42	117	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
09	23 58	8.95	51.68 N 178.87 E	DEPTH = 68.2 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ANA	IP	23 58 19.1				15	249	-.1	
09	ANO	IP C	23 58 19.2				14	155	.1	
		IS	23 58 26.5						-.0	
09	ASD	EP	23 58 20.8	1.0	.1	1.97	46	134	-.1	
09	ASB	EP	23 58 20.8				44	143	.1	
.....										
10	3 11	38.75	51.22 N 178.32 E	DEPTH = 16.5 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ANA	IP	03 11 50.0				63	44	.5	
10	RAT	IP D	03 11 50.0	134.1	.1	4.04	68	18	-.2	
		IS	03 11 58.4						-.2	
10	ANO	IP	03 11 51.4				75	59	.1	
10	ACF	EP	03 11 51.5				75	63	.1	
10	ACC	IP	03 11 51.7				77	67	.1	
10	ACB	IP	03 11 52.0				79	70	.1	
10	ACA	IP	03 11 52.3				81	69	-.0	
10	ACD	EP	03 11 52.3				81	73	.1	
10	ACE	IP	03 11 52.4				82	76	-.0	
10	ASC	IP	03 11 52.7				84	71	.0	
10	ASB	IP	03 11 52.9				86	79	-.2	
		ES	03 12 3.4						-.1	
10	ASD	IP	03 11 53.8	6.9	.1	2.88	94	78	-.4	
10	SSI	IP	03 11 59.9				131	55	.0	
10	AMA	IP	03 12 9.9	13.4	.2	3.16	200	87	.0	
.....										
10	3 50	12.95	52.39 N 178.65 E	DEPTH = 104.0 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	RAT	IP	03 50 30.2	16.9	.1	3.37	69	199	.0	
10	ANA	IP	03 50 31.4				85	180	-.0	
10	ANO	EP	03 50 32.2				95	167	-.0	
10	ASD	EP	03 50 34.8				121	157	.0	
		ES	03 50 50.7						-.0	
.....										
10	3 51	53.86	51.17 N 177.93 E	DEPTH = 24.5 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	RAT	IP	03 52 6.4	6.6	.1	2.78	75	21	-.2	
10	ANA	IP	03 52 6.5				71	45	.4	
		IS	03 52 14.9						-.1	
10	ANO	IP	03 52 7.8				83	58	-.0	
10	ASC	EP	03 52 8.9				91	69	-.2	
10	ASB	EP	03 52 9.5	3.4	.1	2.58	94	77	.1	
10	ASD	EP	03 52 10.4				101	76	-.1	
10	SSI	EP	03 52 16.4	12.2	.1	3.28	140	55	.1	
.....										
10	4 7	51.57	51.24 N 178.06 E	DEPTH = 25.3 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	RAT	IP D	04 08 2.5	32.8	.1	3.43	65	17	-.3	
		IS	04 08 11.0						-.0	
10	ANA	IP	04 08 2.6				60	44	.5	
10	ANO	IP	04 08 3.9				71	60	.1	
10	ASB	IP	04 08 5.6	6.7	.1	2.83	84	81	-.1	
10	ASD	EP	04 08 6.6				91	79	-.1	
		ES	04 08 17.5						-.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	SSI	IP	04 08 12.4				128	55	.1	
10	5 25 57.80		51.41 N 178.77 E							DEPTH = 48.4 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	AND	IP C	05 26 5.9				21	36	-.1	
10	ACC	EP	05 26 6.0				20	66	.1	
10	ACF	EP	05 26 6.0				20	50	.1	
10	ACB	IP	05 26 6.2				23	75	.1	
10	ACD	EP	05 26 6.3				25	86	.0	
10	ANA	IP C	05 26 6.4				25	342	.1	
10	ACA	EP	05 26 6.4				25	72	.1	
10	ACE	EP	05 26 6.4				28	92	-.0	
10	ASC	IP D	05 26 6.6				28	78	.2	
10	ASB	IP C	05 26 6.8	6.5	.1	2.66	33	100	-.1	
	IS		05 26 13.0						-.5	
10	ASD	IP D	05 26 7.5	10.5	.1	2.89	39	93	.0	
10	RAT	EP	05 26 8.6	5.5	.1	2.67	53	325	-.3	
10	SSI	EP	05 26 11.7	6.3	.1	2.82	78	46	-.0	
10	ADK	EP	05 50 .2							
	ES		05 50 27.2							
10	8 42 48.76		51.39 N 179.96 W							DEPTH = 22.2 KM DELAROF ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	ASD	EP	08 42 57.5				48	270	-.0	
10	ASB	EP	08 42 58.4				55	267	-.1	
	IS		08 43 5.6						-.0	
10	ACE	EP	08 42 59.2				60	271	-.1	
10	AMA	IP D	08 42 59.3	2.6	.1	2.30	60	101	-.0	
10	ASC	EP	08 42 59.4				61	278	-.0	
10	SSI	IP	08 42 59.8	3.9	.1	2.50	64	331	.0	
10	ACD	EP	08 42 59.8				63	274	-.2	
10	ACA	EP	08 42 59.9				65	279	-.0	
10	ACB	EP	08 43 .1				66	277	-.1	
10	ACC	EP	08 43 1.0				70	279	.3	
10	AND	EP	08 43 1.6				78	285	-.2	
10	9 17 21.04		51.20 N 179.55 E							DEPTH = 33.8 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	ASD	IP	09 17 27.9	1.0	.1	1.71	26	325	-.0	
	ES		09 17 32.9						-.0	
10	ASB	IP	09 17 28.1	2.4	.1	2.11	28	310	-.0	
10	AND	EP	09 17 31.8				58	314	-.0	
10	10 14 1.70		51.02 N 178.46 E							DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
10	ASB	EP	10 14 13.1	4.3	.1	2.56	67	55	-.2	
	ES		10 14 21.4						-.4	
10	ACD	EP	10 14 13.2				66	46	.1	
10	ACE	EP	10 14 13.2				66	49	.1	
10	ACB	EP	10 14 13.3				66	41	.1	
10	AND	EP	10 14 13.5				70	29	-.2	
10	ACC	EP	10 14 13.5				66	38	.3	
10	ACF	EP	10 14 13.7				68	33	.3	
10	ASC	EP	10 14 13.8				70	45	.1	
10	ANA	EP	10 14 13.9				69	12	.3	
10	ACA	EP	10 14 13.9				69	42	.3	

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OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	ASD	EP	10 14 14.0	3.4	.1	2.49	74	56	-.4	
10	RAT	EP	10 14 15.9				88	354	-.4	
10	SSI	EP	10 14 22.0	4.9	.1	2.85	125	38	.0	
.....										
10	10 33 56.39	51.21 N 178.80 E DEPTH = 28.2 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ACE	EP	10 34 3.5				34	50	-.1	
10	ASB	EP	10 34 3.7	2.2	.1	2.09	35	61	-.1	
		ES	10 34 9.1						-.0	
10	ACC	EP	10 34 3.7				35	28	-.0	
10	ACD	EP	10 34 3.7				34	43	.1	
10	ACB	EP	10 34 3.8				35	35	.1	
10	ACA	EP	10 34 4.1				38	36	.0	
10	ASC	IP	10 34 4.2				38	41	.1	
10	ACF	EP	10 34 4.2				38	20	.1	
10	AND	IP D	10 34 4.3				41	15	-.2	
10	ASD	EP	10 34 4.7				43	61	-.0	
.....										
10	14 31 13.62	51.37 N 179.86 E DEPTH = 11.6 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	EP	14 31 20.3	1.0	.1	1.67	36	274	-.1	
10	ASB	EP	14 31 21.4	1.5	.1	1.91	43	269	.0	
		IS	14 31 27.0						-.0	
10	ASC	IP	14 31 22.4				50	282	.0	
10	SSI	IP	14 31 24.1				61	342	-.0	
.....										
10	16 17 1.69	51.35 N 179.76 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	IP	16 17 7.9	1.7	.1	1.91	30	279	-.2	
		ES	16 17 12.7						-.0	
10	ASB	IP	16 17 9.0	2.2	.1	2.08	36	272	.1	
10	ASC	IP D	16 17 10.0				43	287	.1	
.....										
10	16 23 57.72	51.10 N 179.22 E DEPTH = 35.5 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	IP D	16 24 5.2	6.5	.1	2.56	30	4	.0	
		ES	16 24 10.5						-.1	
10	ASD	IP D	16 24 5.4	5.7	.1	2.54	34	14	-.2	
10	ACD	IP	16 24 6.2				38	351	.2	
10	ASC	IP D	16 24 6.5				41	355	.0	
10	ACB	IP	16 24 6.7				42	348	.1	
10	ACA	EP	16 24 6.8				44	351	.0	
10	ACC	IP	16 24 7.0				45	344	.1	
10	AND	IP C	16 24 8.2				55	340	-.1	
10	ANA	IP C	16 24 10.5				71	327	.1	
10	SSI	EP	16 24 13.5	2.4	.1	2.44	92	16	.0	
10	RAT	EP	16 24 14.3	2.2	.1	2.42	100	322	-.2	
.....										
10	19 18 14.67	52.27 N 177.65 E DEPTH = 75.0 KM						FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASC	EP	19 18 36.4				138	130	-.2	
10	ASB	EP	19 18 38.1				150	132	.1	
10	ASD	EP	19 18 38.5	1.7	.1	2.49	152	129	.2	
		ES	19 18 55.6						-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	5 46	49.89	52.26 N 176.29 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	RAT	EP	05 47 15.3	16.9	.1	3.44	148	109	.5	
11	ANA	EP	05 47 19.0				177	112	-.1	
		ES	05 47 40.4						.0	
11	AND	EP	05 47 21.8				198	112	-.5	
11	ASC	EP	05 47 24.9				216	113	-.1	
11	ASB	EP	05 47 26.3				226	115	.0	
11	SSI	EP	05 47 26.5				229	99	-.1	
11	ASD	EP	05 47 27.2				231	113	.4	
11	6 5	41.28	51.47 N 179.25 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
11	AMA	EP	06 05 49.7	4.0	.1	2.42	22	154	.0	
		IS	06 05 53.5						-2.3	
11	SSI	IP	06 05 56.7	5.1	.1	2.79	93	301	-.4	
11	ASD	EP	06 05 57.0	7.6	.1	2.98	98	266	-.7	
11	ASB	EP	06 05 58.4	8.5	.1	3.05	105	264	-.2	
		ES	06 06 11.0						-.2	
11	ASC	EP	06 05 59.5				110	270	.3	
11	AND	EP	06 06 1.1				125	276	.1	
11	ANA	EP	06 06 4.7				146	278	1.1	
11	8 10	51.79	52.18 N 179.61 E	DEPTH = 177.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	EP	08 11 17.5				82	213	-.1	
11	ASD	EP	08 11 17.9	3.2	.1	2.84	90	192	-.1	
		ES	08 11 37.2						-.0	
11	ANA	IP	08 11 18.0				90	227	-.0	
11	ASC	IP	08 11 18.1				86	201	.3	
11	ASB	IP C	08 11 18.3	7.2	.1	3.19	95	195	-.0	
11	RAT	IP C	08 11 18.5	10.4	.1	3.35	97	245	.0	
11	AMA	EP	08 11 21.0	4.0	.1	2.98	133	138	-.0	
11	13 51	43.08	50.13 N 178.99 E	DEPTH = 26.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASB	IP D	13 52 5.6	5.8	.1	2.96	138	8	.2	
		IS	13 52 21.4						-.2	
11	ASD	IP	13 52 5.9	2.7	.1	2.63	143	10	-.1	
11	ASC	IP D	13 52 6.9				149	5	-.1	
11	AND	IP	13 52 8.1				159	359	-.3	
11	ANA	EP	13 52 9.2				168	352	-.3	
11	AMA	EP	13 52 11.4				186	45	-.3	
11	SSI	EP	13 52 14.4	6.3	.1		201	12	.9	
11	14 47	3.68	52.07 N 178.35 E	DEPTH = 136.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	RAT	IP	14 47 22.5	5.5	.1	2.93	31	183	.0	
11	ANA	EP	14 47 23.4				54	157	-.0	
11	AND	EP	14 47 24.2				70	144	-.1	
11	SSI	IP	14 47 25.4	3.9	.1	2.84	87	103	.0	
11	ASC	EP	14 47 25.7				88	140	.2	
11	ASD	EP	14 47 26.4	3.4	.1	2.80	102	138	-.1	
		IS	14 47 43.2						-.0	
11	ASB	EP	14 47 26.4	2.5	.1	2.67	100	142	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	16 44	9.00	51.09 N 179.93 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
11	AMA	IP	16 44 19.7	8.1	.1	2.80	61	69	-.0	
11	ASD	IP D	16 44 19.9	21.4	.1	3.23	61	303	.2	
11	ASB	IP C	16 44 20.6	9.6	.1	2.90	65	298	.3	
		ES	16 44 28.6						.1	
11	ACE	IP	16 44 21.4				72	299	.1	
11	ACD	IP	16 44 22.0				75	300	.2	
11	ASC	IP D	16 44 22.1				76	303	.2	
11	ACB	IP	16 44 22.6				80	301	.1	
11	ACA	IP	16 44 22.7				79	303	.3	
11	ACC	IP	16 44 23.2				84	302	.1	
11	AND	EP	16 44 24.4				94	304	-.2	
11	SSI	IP	16 44 24.9	22.9	.1	3.41	95	339	.1	
11	ANA	EP	16 44 27.3				115	302	-.4	
11	RAT	IP	16 44 31.3	6.6	.1	3.03	144	304	-.9	
.....										
.....										
11	17 49	11.59	51.55 N 179.58 W	DEPTH = 71.0 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
11	AMA	IP C	17 49 23.7	13.3	.1	3.11	44	131	.0	
11	SSI	EP	17 49 25.8	4.9	.1	2.75	69	304	-.0	
11	ASD	EP	17 49 26.4	3.4	.1	2.60	76	257	-.2	
11	ASB	IP	17 49 27.3	8.5	.1	3.03	84	256	-.0	
		ES	17 49 38.9						.1	
11	ASC	EP	17 49 27.8				87	264	.1	
11	AND	EP	17 49 29.1				101	271	-.1	
11	ANA	EP	17 49 31.7				122	275	.2	
.....										
.....										
11	18 16	32.14	50.09 N 178.72 E	DEPTH = 25.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASB	IP C	18 16 55.8				146	14	.2	
		IS	18 17 12.6						-.1	
11	ASD	IP C	18 16 56.3	17.4	.1	3.47	151	16	-.1	
11	ASC	IP	18 16 57.0				156	11	-.1	
11	AND	EP	18 16 57.9				165	6	-.3	
11	ANA	EP	18 16 58.7				171	359	-.3	
11	AMA	IP D	18 17 2.6	10.7	.1		203	48	-.3	
11	SSI	IP C	18 17 4.7	48.8	.1		210	16	1.0	
.....										
.....										
11	18 18	58.51	50.94 N 179.29 E	DEPTH = 36.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASB	IP D	18 19 8.1				47	357	-.1	
		IS	18 19 15.0						-.1	
11	ASD	IP D	18 19 8.3				51	4	-.3	
11	ACE	IP	18 19 8.8				52	351	.0	
11	ACD	IP	18 19 9.4				56	349	.2	
11	ASC	IP D	18 19 9.7				59	352	-.0	
11	ACB	IP	18 19 9.9				60	347	.1	
11	ACA	IP	18 19 10.1				62	349	.1	
11	ACC	IP	18 19 10.3				63	344	.0	
11	ACF	IP	18 19 11.1				69	343	.1	
11	AND	IP	18 19 11.6				73	342	-.1	
11	ANA	EP	18 19 13.7				88	331	-.1	
11	SSI	EP	18 19 16.8	55.4	.1	3.86	108	11	.1	
11	RAT	EP	18 19 17.7				117	326	-.1	
11	AMA	IP	18 19 18.0	18.8	.1	3.42	119	70	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	20 32	28.80	50.91 N 179.34 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASB	IP	20 32 38.1	6.5	.1	2.65	51	352	-.0	
		ES	20 32 44.9						.0	
11	ASD	IP	20 32 38.4	11.8	.1	2.93	54	360	-.1	
11	AND	EP	20 32 42.1				78	340	.1	
11	SSI	EP	20 32 47.1	3.9	.1	2.70	111	9	.1	
.....										
12	5 58	42.26	50.95 N 179.29 E	DEPTH = 36.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP D	05 58 51.6				46	356	-.1	
		IS	05 58 58.3						-.2	
12	ASD	IP D	05 58 51.9				49	4	-.2	
12	ACE	IP D	05 58 52.3				51	351	.0	
12	ACD	IP D	05 58 52.8				54	348	.1	
12	ASC	IP	05 58 53.2				58	351	.0	
12	ACB	IP	05 58 53.4				59	346	.1	
12	ACA	EP	05 58 53.6				60	349	.1	
12	AND	IP	05 58 55.3				72	341	.1	
12	ANA	IP	05 58 57.2				87	330	-.1	
12	SSI	EP	05 59 .3	59.8	.1	3.88	107	11	.2	
12	RAT	EP	05 59 1.2				116	325	-.1	
12	AMA	IP	05 59 1.5	14.8	.1	3.31	118	71	-.0	
.....										
12	6 4	36.50	51.17 N 179.06 E	DEPTH = 41.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP	06 04 44.2	15.6	.1	2.96	24	32	-.0	
		IS	06 04 49.6						-.2	
12	ACE	IP C	06 04 44.4				26	17	.0	
12	ASD	IP	06 04 44.6				31	39	-.2	
12	ACD	IP	06 04 44.7				29	11	.1	
12	ACB	IP	06 04 45.0				32	4	.1	
12	ASC	IP	06 04 45.1				33	13	.1	
12	ACA	IP	06 04 45.2				34	7	.1	
12	ACF	IP	06 04 45.7				39	353	.1	
12	AND	IP	06 04 46.0				44	350	-.1	
12	ANA	IP	06 04 47.8				57	331	.0	
12	RAT	IP C	06 04 51.3	6.3	.1	2.84	86	324	-.1	
12	SSI	EP	06 04 51.7	5.4	.1	2.78	88	24	.1	
.....										
12	6 9	21.06	52.14 N 179.47 E	DEPTH = 143.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IP C	06 09 42.6				73	209	-.0	
12	ASC	IP	06 09 43.0				78	196	.1	
12	ANA	IP C	06 09 43.1				80	225	.1	
		IS	06 09 59.0						-.0	
12	ASD	IP	06 09 43.2	9.7	.1	3.24	84	186	-.1	
12	RAT	IP C	06 09 43.4	29.8	.1	3.74	87	245	-.1	
12	ASB	IP	06 09 43.5	4.9	.1	2.96	88	190	-.1	
.....										
12	7 52	40.94	51.38 N 179.57 W	DEPTH = 34.7 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	AMA	IP C	07 52 48.7	38.9	.1	3.36	34	107	-.0	
12	ASD	EP	07 52 54.3	3.4	.1	2.51	76	271	.1	
12	SSI	IP	07 52 55.1	22.2	.1	3.36	82	315	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 12	ASB	EP	07 52 55.2	4.7	.1	2.69	82	269	.0	
.		ES	07 53 5.4						-.2	
. 12	ASC	IP	07 52 56.3				88	277	.2	
. 12	AND	EP	07 52 58.2				104	282	-.2	
. 12	ANA	EP	07 53 1.3				126	283	-.0	
.....										
. 12	8 34 48.72	51.97 N 178.63 E DEPTH = 132.4 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 12	RAT	EP	08 35 7.1	7.7	.1	3.06	28	228	.1	
. 12	ANA	IP	08 35 7.2				38	176	-.1	
. 12	AND	IP C	08 35 7.7				50	153	-.1	
. 12	SSI	IP D	08 35 8.7	3.4	.1	2.75	67	97	.0	
. 12	ASC	IP	08 35 8.9				67	146	.2	
. 12	ASD	IP C	08 35 9.6	10.6	.1	3.26	81	142	-.0	
. 12	ASB	IP	08 35 9.6	6.9	.1	3.07	80	147	.0	
.		ES	08 35 24.8						.0	
.....										
12	AMA	IP	09 11 26.8	38.9	.1					
12	SSI	IP	09 11 40.3	11.2	.1					
12	ASD	EP	09 11 41.3	4.5	.1					
		ES	09 12 4.4							
12	ASB	EP	09 11 42.4	5.6	.1					
12	ASC	EP	09 11 43.2							
12	AND	EP	09 11 45.1							
12	ANA	EP	09 11 47.7							
12	RAT	EP	09 11 51.0							
.....										
. 12	9 44 59.30	15.84 N 91.17 W DEPTH = 36.0 KM MB = 5.7 MS = 5.7						TELESEISMIC SOLUTION		
.		MEXICO-GUATEMALA BORDER REGION								
. 12	ADK	EP D	09 56 38.2	283.0	.9		8335	320		
.....										
. 12	10 20 43.65	51.08 N 179.49 W DEPTH = 32.1 KM						FREE DEPTH SOLUTION		
.		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 12	AMA	IP D	10 20 51.3				35	49	-.1	
. 12	ASD	IP D	10 20 58.8				89	293	.1	
. 12	ASB	IP	10 20 59.6	16.9	.1	3.28	94	290	.2	
.		ES	10 21 10.7						-.2	
. 12	ASC	IP	10 21 1.0				103	295	.2	
. 12	SSI	IP	10 21 2.1	84.2	.1	4.04	111	325	.1	
. 12	AND	EP	10 21 3.2				121	297	-.3	
. 12	ANA	EP	10 21 6.2				142	296	-.1	
. 12	RAT	IP	10 21 10.0				171	299	.1	
.....										
. 12	11 5 8.06	51.00 N 179.30 E DEPTH = 38.6 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 12	ASB	IP D	11 05 17.0				41	355	-.1	
.		ES	11 05 23.7						.1	
. 12	ASD	IP D	11 05 17.2				44	4	-.3	
. 12	ACE	IP D	11 05 17.7				46	349	.0	
. 12	ACD	IP D	11 05 18.2				50	347	.1	
. 12	ASC	IP D	11 05 18.6				53	350	.1	
. 12	ACB	IP D	11 05 18.7				54	344	.0	
. 12	ACA	IP D	11 05 19.0				56	347	.1	
. 12	ACC	EP	11 05 19.2				57	342	.1	
. 12	ACF	IP C	11 05 20.0				63	340	.2	
. 12	AND	IP D	11 05 20.4				68	339	-.1	
. 12	ANA	EP	11 05 22.6				83	328	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	11 05 32.5						-.8	
12	SSI	IP	11 05 25.7	14.6	.1	3.26	102	11	.5	
12	AMA	EP	11 05 26.6				116	73	-.3	
12	RAT	IP D	11 05 26.6				112	323	.2	
.....										
12	12 29 2.79		51.44 N 179.51 E	DEPTH = 60.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASD	EP	12 29 11.8	2.7	.1	2.29	13	247	-.1	
		ES	12 29 18.6						-.0	
12	ASB	EP	12 29 12.2	3.3	.1	2.40	20	246	-.0	
12	ACE	EP	12 29 12.4				24	261	-.0	
12	ASC	EP	12 29 12.5				24	277	.1	
12	ACA	EP	12 29 12.7				28	281	.1	
12	ACD	EP	12 29 12.7				26	268	.2	
12	ACB	EP	12 29 12.8				29	276	.1	
12	ANO	EP	12 29 13.4				41	290	-.2	
12	SSI	IP D	12 29 14.5	5.9	.1	2.74	51	6	.0	
.....										
12	13 0 12.45		50.99 N 179.35 E	DEPTH = 36.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP D	13 00 21.4				41	350	.0	
		E(S)	13 00 27.0						-.8	
12	ASD	IP D	13 00 21.6				44	360	-.1	
12	ACE	IP	13 00 22.1				47	345	.1	
12	ACD	IP	13 00 22.6				51	343	.1	
12	ASC	IP D	13 00 23.1				54	346	.2	
12	ACB	IP	13 00 23.2				55	341	.1	
12	ACA	IP	13 00 23.4				56	344	.1	
12	ACC	IP	13 00 23.6				59	339	.1	
12	ACF	IP	13 00 24.4				64	338	.1	
12	AND	IP D	13 00 24.9				69	337	-.0	
12	ANA	IP D	13 00 27.0				85	326	-.2	
12	SSI	IP	13 00 30.1				101	9	.5	
12	AMA	IP	13 00 30.8				113	73	-.3	
12	RAT	IP	13 00 30.9	247.9	.2	4.22	114	322	-.3	
.....										
12	13 2 5.41		50.91 N 179.30 E	DEPTH = 29.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP D	13 02 14.9				50	355	.0	
		ES	13 02 21.7						-.0	
12	ASD	IP D	13 02 15.1				53	3	-.2	
12	ACE	IP D	13 02 15.6				55	350	.0	
12	ACD	IP D	13 02 16.2				59	348	.2	
12	ASC	IP D	13 02 16.6				62	351	.1	
12	ACB	IP	13 02 16.7				63	346	.0	
12	ACA	IP D	13 02 16.9				65	349	.0	
12	ACF	IP	13 02 17.9				72	343	-.0	
12	AND	IP D	13 02 18.6				77	341	.0	
12	ANA	EP	13 02 20.5				91	331	-.3	
12	SSI	IP	13 02 23.7	48.8	.1	3.80	111	10	.0	
12	AMA	IP C	13 02 24.8	14.8	.1	3.31	119	69	-.0	
12	RAT	IP	13 02 25.1				120	326	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	13	3	9.49	50.96 N	179.37 E	DEPTH = 27.1 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
12	ASB	IP D	13 03 18.2				45	349	.1	
		ES	13 03 24.4						-.0	
12	ASD	IP C	13 03 18.4	37.4	.1	3.40	48	358	-.1	
12	ACE	IP D	13 03 18.9				51	345	.0	
12	ACD	EP	13 03 19.4				55	343	-.0	
12	ASC	IP	13 03 19.9				58	346	.1	
12	ACB	EP	13 03 20.0				59	341	-.1	
12	ACA	IP D	13 03 20.2				61	343	-.1	
12	ACF	EP	13 03 21.2				68	338	-.2	
12	AND	EP	13 03 22.2				73	337	.1	
12	SSI	EP	13 03 26.8				105	8	.0	
.....										
12	13	6	38.22	50.90 N	179.28 E	DEPTH = 35.3 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
12	ASB	IP D	13 06 48.2				51	358	-.0	
		ES	13 06 55.6						.1	
12	ASD	IP D	13 06 48.4				55	5	-.3	
12	ACE	IP D	13 06 48.9				56	352	.0	
12	ACD	IP D	13 06 49.5				60	350	.1	
12	ASC	IP D	13 06 49.8				63	353	-.0	
12	ACB	IP D	13 06 50.0				64	348	.1	
12	ACA	IP D	13 06 50.2				66	350	.0	
12	ACC	IP	13 06 50.5				67	346	.1	
12	ACF	IP C	13 06 51.2				73	344	.1	
12	AND	EP	13 06 51.7				77	343	-.1	
12	ANA	EP	13 06 53.8				92	332	-.1	
12	SSI	IP	13 06 56.9	110.8	.1	4.17	113	11	-.0	
12	RAT	IP	13 06 57.8	54.6	.1	3.89	120	327	-.1	
12	AMA	IP C	13 06 58.0	21.6	.1	3.48	121	68	.1	
.....										
12	SSI	EP	13 14 37.0	265.5	.2					
12	ASB	IP D	13 14 38.3	706.0	.2	4.77				
		ES	13 14 54.7							
12	ASD	IP D	13 14 38.5							
12	ACE	IP D	13 14 39.0							
12	ACD	IP D	13 14 39.5							
12	ASC	IP D	13 14 39.9							
12	ACB	IP D	13 14 40.1							
12	ACA	IP D	13 14 40.3							
12	ACC	IP	13 14 40.5							
12	ACF	IP	13 14 41.2							
12	AND	IP D	13 14 41.6							
12	ANA	IP	13 14 43.9							
12	RAT	EP	13 14 47.3	124.0	.2					
12	AMA	IP	13 14 47.6	75.7	.1					
.....										
12	13	27	8.45	50.91 N	179.32 E	DEPTH = 32.1 KM MB = 4.0				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
12	ASB	IP D	13 27 18.3				51	354	.1	
		ES	13 27 24.8						-.4	
12	ASD	IP D	13 27 18.5				54	1	-.1	
12	ACE	IP	13 27 19.0				56	349	.1	
12	ACD	IP	13 27 19.5				60	347	.2	
12	ASC	IP D	13 27 20.0				63	350	.2	
12	ACB	IP	13 27 20.1				64	345	.1	
12	ACA	IP D	13 27 20.2				66	348	.0	
12	ACC	IP	13 27 20.5				67	343	.1	
12	ACF	IP	13 27 21.3				73	342	.1	
12	AND	IP	13 27 21.8				77	341	-.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 12	ANA	IP	13 27 23.9				92	330	-.2	
. 12	SSI	IP D	13 27 27.0				111	9	.2	
. 12	AMA	IP	13 27 27.6				118	68	-.2	
. 12	RAT	IP	13 27 28.0				121	326	-.3	
.....										
12	ASB	EP	13 46 34.5							
12	ASD	IP D	13 46 34.9	4.3	.1					
.....										
. 12	13 46 34.95	50.90 N 179.34 E	DEPTH = 22.7 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
. 12	ASB	IP	13 46 44.3	10.2	.1	2.84	52	352	.1	
		ES	13 46 51.0						.0	
. 12	ASD	IP	13 46 44.6				55	360	-.1	
. 12	ASC	IP	13 46 46.0				64	349	-.0	
. 12	AND	EP	13 46 48.2				79	340	-.0	
. 12	SSI	IP	13 46 53.2	9.0	.1	3.07	112	9	.0	
.....										
. 12	14 8 25.22	51.24 N 177.50 E	DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
. 12	RAT	IP	14 08 40.4	165.3	.2	3.91	84	43	.0	
. 12	ANA	EP	14 08 41.7				91	62	.3	
. 12	AND	EP	14 08 43.7				107	70	-.1	
. 12	ASC	EP	14 08 45.5				118	77	-.0	
. 12	ASB	EP	14 08 45.7				122	83	-.4	
		ES	14 09 1.7						.4	
. 12	ASD	EP	14 08 46.6				129	82	-.6	
. 12	SSI	EP	14 08 51.9				161	63	-.2	
. 12	AMA	EP	14 09 3.5				236	87	.7	
.....										
. 12	15 27 49.12	51.19 N 178.46 E	DEPTH = 27.3 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
. 12	ANA	IP C	15 27 58.4				50	16	-.0	
. 12	AND	IP C	15 27 58.7				54	39	-.2	
. 12	ACF	EP	15 27 58.8				52	45	.1	
. 12	ACB	IP	15 27 58.9				53	55	.1	
. 12	ACE	IP	15 27 59.1				55	64	.1	
. 12	ACD	EP	15 27 59.2				54	60	.3	
. 12	ACA	IP	15 27 59.3				56	55	.1	
. 12	ASB	IP	15 27 59.5	3.1	.1	2.37	58	71	.0	
. 12	ASC	EP	15 27 59.5				57	58	.1	
. 12	ASD	EP	15 28 .2	1.1	.1	1.97	65	70	-.3	
		IS	15 28 8.8						-.1	
. 12	SSI	IP D	15 28 7.3	5.9	.1	2.88	110	45	.1	
.....										
. 12	16 16 54.07	51.57 N 179.78 W	DEPTH = 78.6 KM							FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 12	AMA	EP	16 17 7.8				56	123	.0	
. 12	SSI	IP	16 17 7.9				57	310	.0	
. 12	ASD	EP	16 17 8.4	5.0	.1	2.77	64	253	-.1	
. 12	ASB	EP	16 17 9.2	5.8	.1	2.85	71	252	.0	
		ES	16 17 20.2						.0	
. 12	ASC	EP	16 17 9.5				74	262	.1	
. 12	AND	EP	16 17 19.6				88	270	-.2	
. 12	ANA	EP	16 17 13.0				108	274	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	0 46 51.62		51.74 N 177.91 E	DEPTH = 60.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ANA	IP	00 47 3.6				54	103	.0	
13	AND	IP	00 47 5.7				75	105	-.1	
13	ASC	IP	00 47 7.8				92	109	.1	
13	ASB	EP	00 47 8.8	5.2	.1	2.84	102	114	-.0	
		ES	00 47 21.4						.0	
13	ASD	IP	00 47 9.4	6.0	.1	2.92	107	111	.0	
13	ASB	IP	01 32 11.8	18.5	.1	2.97				
		IS	01 32 16.3							
13	ASD	IP D	01 32 12.2	8.5	.1	2.66				
13	1 51 57.47		50.97 N 179.26 E	DEPTH = 31.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASB	IP D	01 52 6.0	9.5	.1	2.79	43	358	-.2	
		IS	01 52 13.0						.5	
13	ASD	IP D	01 52 6.3	7.1	.1	2.69	47	7	-.4	
13	ACE	IP	01 52 6.8				48	352	-.0	
13	ACD	IP	01 52 7.3				52	350	.0	
13	ASC	IP	01 52 7.8				55	353	.0	
13	ACB	IP	01 52 7.8				56	348	-.1	
13	ACA	IP	01 52 8.1				58	350	-.0	
13	ACF	IP	01 52 9.0				65	343	-.1	
13	AND	IP	01 52 9.8				69	342	.1	
13	SSI	IP	01 52 14.8	66.5	.1	3.92	105	12	-.1	
13	RAT	IP	01 52 16.3	22.4	.1	3.47	113	325	.2	
13	AMA	EP	01 52 17.2				119	72	.2	
13	14 1 46.86		51.62 N 179.50 W	DEPTH = 109.0 KM MB = 5.3			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
13	AMA	IP D	14 02 3.1				46	144	-.0	ACCEL DATA ON
		E(S)	14 02 15.0						.0	
13	SSI	IP C	14 02 4.6				70	296	-.0	AMA AND SSI
13	ASD	IP C	14 02 5.6				85	253	-.2	OL ALL CHANNELS
13	ASB	IP C	14 02 6.4				92	252	.0	
13	ASC	EP D	14 02 6.6				94	260	.0	
13	AND	EP C	14 02 7.7				108	267	-.1	
13	ANA	EP C	14 02 9.9				127	271	.2	
13	RAT	IP C	14 02 12.1				151	278	-.1	
13	ADK	IP D	14 02 17.6				196	80	.5	FELT I
		IS	14 02 39.5						.4	
13	SMY	EP	14 02 47.5				454	288	-.3	
13	NIK	EP	14 03 23.5				739	74	.7	
13	GMA	EP	14 05 37.2				1862	27	-3.9	
13	ADK	EP	18 32 57.0							
		ES	18 33 8.4							
14	9 39 53.85		51.43 N 178.82 E	DEPTH = 44.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	AND	IP	09 40 1.2				17	31	-.2	
14	ANA	IP	09 40 1.7				25	333	-.2	
14	ASC	IP	09 40 1.8				24	81	-.0	
14	ASD	IP	09 40 2.7	6.6	.1	2.66	36	97	-.2	
		IS	09 40 9.2						-.3	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	15	6	8.60	50.95 N	179.31 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	IP D	15 06 18.7				50	2	-.7	
14	ASB	IP	15 06 18.7				46	354	-.4	
		IS	15 06 26.2						-.5	
14	ASC	IP	15 06 20.3				58	350	-.0	
14	ACA	IP	15 06 20.7				61	347	.1	
14	AND	IP	15 06 22.5				73	340	.5	
14	SSI	IP	15 06 26.9	42.1	.1	3.75	107	10	.8	
.....										
14	21	7	41.80	52.47 N	169.48 W	DEPTH = 42.0 KM MB = 4.5	TELESEISMIC SOLUTION			
FOX ISLANDS, ALEUTIAN ISLANDS										
14	NIK	IPD	21 07 56.2				71	37		
14	ADK	EP	21 08 47.9				497	265		
		ES	21 08 55.9							
14	AMA	IP D	21 09 9.9	26.2	.1		676	263		
		ES	21 10 40.8							
14	SSI	IP	21 09 21.7				750	269		
14	ASD	IP	21 09 24.2				778	266		
14	ASB	IP	21 09 25.2				785	265		
14	ASC	IP	21 09 25.7				788	266		
14	AND	IP	21 09 27.5				800	267		
14	ANA	IP	21 09 30.0				819	268		
14	RAT	EP	21 09 31.7				838	270		
.....										
14	23	13	28.05	50.05 N	178.91 E	DEPTH = 11.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IP C	23 13 44.1				148	9	.4	
		I	23 13 48.8							
		IS	23 14 .8						-.1	
14	ASD	IP C	23 13 44.5				152	12	.1	
14	ACB	IP	23 13 45.1				158	5	-.1	
14	ASC	IP	23 13 45.4				158	7	.2	
14	ACA	IP	23 13 45.4				160	5	-.1	
14	AND	IP	23 13 46.3				168	1	-.5	
14	AMA	IP	23 13 51.9	34.6	.1	3.87	196	45	-.1	
14	SSI	IP C	23 13 53.0				211	13	.1	
.....										
14	23	41	26.11	51.33 N	179.06 E	DEPTH = 53.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IP	23 41 34.5				13	74	.0	
		ES	23 41 40.6						-.0	
14	ASC	IP	23 41 34.7				17	25	.1	
14	ASD	IP	23 41 34.8	3.8	.1	2.41	21	70	-.0	
14	AND	EP	23 41 35.2				27	344	-.0	
.....										
15	1	43	51.20	51.21 N	178.98 E	DEPTH = 38.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASB	IP	01 43 58.5				25	47	-.1	
		IS	01 44 3.7						-.2	
15	ASD	IP	01 43 59.2	11.2	.1	2.83	32	50	-.0	
15	ASC	IP	01 43 59.4				31	24	.3	
15	AND	IP	01 44 .1				40	357	.0	
15	ANA	IP	01 44 1.8				52	335	.3	
15	RAT	IP	01 44 5.0				80	326	-.3	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	SSI	IP C	01 44 6.3	66.5	.1	3.86	87	28	-.0	
15	12 56 31.45		51.81 N 178.53 E							DEPTH = 92.3 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
15	RAT	IP D	12 56 44.5	64.6	.1	3.84	14	263	-.0	
15	ANA	IP	12 56 44.8				23	156	.0	
15	AND	IP	12 56 45.5				41	133	-.1	
15	ASC	IP	12 56 46.8				59	131	.1	
15	ASD	IP	12 56 47.7	6.3	.1	2.92	73	130	-.2	
15	ASB	IP	12 56 47.8	8.4	.1	3.04	71	135	.1	
15		IS	12 56 59.5						-.0	
15	SSI	IP	12 56 47.9				73	83	.0	
15	14 51 48.30		51.89 N 176.23 E							DEPTH = 75.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
15	RAT	EP	14 52 10.0				144	93	-1.1	
15	ANA	EP	14 52 14.1				170	99	.1	
15	AND	EP	14 52 16.5				191	100	-.1	
15	ASC	EP	14 52 18.1				208	102	-.5	
15	ASD	EP	14 52 21.2	4.3	.1		222	103	.9	
15		ES	14 52 43.6						-.1	
15	SSI	EP	14 52 22.1				230	89	.7	
15	18 26 12.80		50.45 N 176.69 W							DEPTH = 16.0 KM MB = 4.9 ANDREANOF ISLANDS, ALEUTIANS ISLANDS TELESEISMIC SOLUTION
15	ADK	IP	18 26 38.2				159	0	.1	
15		IS	18 26 56.0						-.6	
15	AMA	IP	18 26 42.6	215.9	.2	4.36	194	300	-.6	
15	ASD	IP D	18 26 55.7				297	292	-.3	
15	ASB	IP	18 26 56.5				303	291	-.2	
15		ES	18 27 27.8						-.9	
15	SSI	IP	18 26 57.7	162.3	.2		305	303	.7	
15	ASC	IP	18 26 57.8				312	293	.0	
15	AND	IP	18 27 0.0				329	294	.0	
15	ANA	IP	18 27 2.9				351	294	.3	
15	RAT	IP	18 27 6.3	241.7	.3		379	295	.2	
15	NIK	EP	18 27 34.6				609	60	.1	
15	GMA	E(P)	18 30 14.0				1897	22	.5	
16	ASB	IP C	04 00 43.2							
16		IS	04 00 58.3							
16	ASD	IP D	04 00 43.7	13.3	.1	3.32				
16	ASC	IP D	04 00 44.5							
16	AND	IP	04 00 45.5							
16	SSI	E(P)	04 00 52.1							
16	5 15 25.00		5.98 S 154.48 E							DEPTH = 76.0 KM MB = 5.7 SOLOMON ISLANDS TELESEISMIC SOLUTION
16	ADK	EP	05 25 43.5	197.3	.8		6970	20		
16	ASD	IP	07 11 44.8	16.4	.1	3.13				
16	ASB	IP	07 11 45.0	10.5	.1	2.95				
16		ES	07 11 52.8							
16	ASC	IP	07 11 46.5							
16	AND	EP	07 11 49.0							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ASD	EP	10 09 51.5	7.1	.1					
16	ASB	EP	10 09 52.5	11.2	.1					
16	ASC	EP	10 09 53.9							
16	AND	EP	10 09 55.3							
.....										
16	11 28 30.02		49.67 N 178.21 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASD	EP	11 29 3.8	7.7	.1		208	22	-.1	
16	ASC	IP	11 29 4.3				211	18	-.1	
16	ASB	IP	11 29 4.5	12.8	.1		202	21	1.5	
		ES	11 29 25.0						-2.1	
16	AND	EP	11 29 4.6				217	14	-.7	
16	ANA	EP	11 29 6.0				220	8	.3	
16	AMA	IP D	11 29 10.8				262	46	-.0	
.....										
16	SSI	EP	13 26 .2							
		ES	13 26 12.5							
16	ASD	IP D	13 26 38.9	10.1	.1	3.27				
16	AND	EP	13 26 39.1							
16	ASC	IP	13 26 39.2							
16	ASB	IP	13 26 39.3							
		ES	13 26 58.0							
16	ANA	IP	13 26 40.0							
16	SSI	EP	13 26 40.6	7.1	.1					
.....										
16	14 5 58.48		51.59 N 178.81 E	DEPTH = 21.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	AND	IP	14 06 2.4				10	104	-.1	
16	ANA	IP	14 06 2.7				11	294	.1	
16	ACB	IP	14 06 4.0				24	125	.1	
16	ACA	IP	14 06 4.1				24	118	.1	
16	ASC	IP	14 06 4.5				28	119	.1	
16	ACD	IP	14 06 4.6				29	127	.1	
16	ACE	IP	14 06 5.0				33	129	-.0	
16	ASS	IP D	14 06 5.9	13.3	.1	2.86	39	129	-.1	
		IS	14 06 11.1						-.3	
16	RAT	IP C	14 06 6.1				41	306	-.1	
		ES	14 06 11.7						-.0	
16	ASD	IP C	14 06 6.4	17.4	.1	3.01	43	120	-.0	
.....										
16	AMA	IP C	14 12 49.5	34.6	.1					
16	SSI	IP D	14 12 52.0	33.2	.1					
16	ASC	IP	14 12 56.3							
16	ACA	IP D	14 12 56.4							
16	ASB	EP	14 12 56.8	3.2	.1	2.40				
		ES	14 13 4.1							
16	ACB	IP	14 12 56.9							
16	AND	IP	14 12 57.0							
16	ASD	IP	14 12 55.5	4.1	.1	2.45				
16	RAT	IP C	14 13 3.2	5.2	.1					
.....										
16	16 25 14.32		51.81 N 179.85 W	DEPTH = 100.6 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	SSI	IP C	16 25 29.3				40	283	-.0	
16	ASD	IP C	16 25 31.4				73	230	-.1	
16	AMA	IP C	16 25 31.9				78	139	.0	
16	ASB	IP C	16 25 32.0				80	232	-.1	
		IS	16 25 45.1						.0	
16	ASC	EP	16 25 32.1				79	241	.2	
16	AND	EP	16 25 32.6				87	252	-.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ANA	IP	16 25 34.5				105	259	.2	
16	RAT	IP C	16 25 36.3	69.5	.1	4.09	125	270	-.1	
16	ADK	EP	16 25 46.6				218	87	-.0	
		ES	16 26 11.1						.9	
.....										
16	ADK	EP	19 17 13.4							
		ES	19 17 41.3							
16	AMA	EP	19 17 34.5	54.0	.3					
16	ASD	EP	19 17 47.7							
16	ASB	EP	19 17 48.7	19.5	.2					
		E	19 18 53.7							
16	ASC	EP	19 17 49.7							
16	AND	EP	19 17 52.7							
.....										
16	21	4 32.11	50.87 N 179.83 W	DEPTH = 29.7 KM					FREE DEPTH SOLUTION	
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
16	AMA	IP	21 04 44.2	79.2	.2	3.54	69	47	.1	
16	ASD	IP	21 04 45.9	11.8	.1	3.07	82	315	-.2	
16	ASB	IP	21 04 46.4	8.6	.1	2.95	84	310	-.0	
		ES	21 04 57.0						.1	
16	ASC	EP	21 04 48.1				96	313	-.1	
16	AND	EP	21 04 50.6				114	313	-.3	
16	SSI	IP	21 04 51.8	62.1	.1	3.94	121	341	-.0	
16	ANA	EP	21 04 54.4				134	309	.5	
16	RAT	IP	21 04 57.7				154	310	-.0	
.....										
16	22	46 24.23	51.21 N 178.01 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	IP	22 46 35.8				69	19	-.4	
16	ANA	IP	22 46 35.9				65	44	.4	
16	AND	IP	22 46 37.3				77	59	.1	
16	ASC	EP	22 46 38.7				85	70	.2	
16	ASB	EP	22 46 38.9				88	79	-.0	POOR P.
		IS	22 46 49.4						-.3	
16	ASD	EP	22 46 39.8				95	77	-.2	
16	SSI	IP	22 46 45.9	62.1	.1	3.97	133	55	.2	
.....										
16	22	48 6.15	51.21 N 178.02 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	IP D	22 48 17.6	104.3	.1	3.95	69	18	-.4	
16	ANA	IP	22 48 17.7				64	44	.4	
16	AND	EP	22 48 19.1				75	59	.1	
16	ASC	EP	22 48 20.4				84	70	.1	
16	ASB	EP	22 48 20.7				87	79	.0	
		ES	22 48 31.0						-.3	
16	ASD	EP	22 48 21.5				94	77	-.2	
16	SSI	IP	22 48 27.6				132	55	.1	
.....										
17	8	38 58.56	51.07 N 179.86 E	DEPTH = 49.7 KM					FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASD	IP	08 39 9.4	6.4	.1	2.73	50	315	-.0	
		ES	08 39 17.3						-.0	
17	ASB	IP	08 39 9.7	5.5	.1	2.68	53	307	-.0	
17	ASC	EP	08 39 11.0				65	312	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	9 15 25.96		51.39 N 179.20 E				DEPTH = 38.8 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	IP	09 15 32.2	8.9	.1	2.63	5	131	-.0	
17	ACE	IP	09 15 32.2				2	311	-.0	
17	ASD	IP	09 15 32.3	5.0	.1	2.39	10	88	-.1	
		IS	09 15 36.7						-.4	
17	ACD	EP	09 15 32.4				6	317	.1	
17	ASC	IP	09 15 32.5				9	345	.1	
17	ACB	IP	09 15 32.5				11	319	.0	
17	ACA	IP	09 15 32.6				12	332	.1	
17	ACF	IP	09 15 33.2				21	318	.2	
17	AND	IP	09 15 33.4				26	319	-.0	
17	SSI	IP	09 15 37.7	2.9	.1	2.40	62	26	.0	
17	RAT	IP	09 15 39.2				76	308	-.3	
17	ADK	EP	11 47 29.6							
		ES	11 47 58.6							
17	AMA	EP	11 57 48.0	15.0	.1					
17	SSI	IP	11 58 1.1							
17	ASD	EP	11 58 1.7	3.5	.1					
17	ASB	IP	11 58 2.7	4.5	.1					
17	ASC	EP	11 58 3.8							
17	AND	EP	11 58 5.8							
17	ADK	EP	13 30 5.9							
17	13 42 39.11		50.89 N 179.33 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	IP	13 42 48.7	7.4	.1	2.71	52	353	.1	
		IS	13 42 55.5						.0	
17	ASD	IP	13 42 48.9	13.3	.1	2.99	55	1	-.1	
17	ACE	IP	13 42 49.4				58	349	.1	
17	ASC	EP	13 42 50.2				64	349	-.1	
17	ACB	EP	13 42 50.4				66	345	-.1	
17	ACA	EP	13 42 50.6				67	347	-.1	
17	AND	EP	13 42 52.7				79	340	.2	
17	SSI	EP	13 42 57.6	3.4	.1	2.65	113	9	.1	
17	13 43 24.67		50.91 N 179.35 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	IP	13 43 34.1	3.7	.1	2.41	51	352	.1	
		ES	13 43 40.8						.0	
17	ASD	IP	13 43 34.3	11.6	.1	2.92	54	359	-.1	
17	ACE	IP	13 43 34.8				57	347	.0	
17	ASC	EP	13 43 35.7				63	348	-.1	
17	ACA	EP	13 43 36.1				66	346	-.1	
17	AND	EP	13 43 38.0				78	339	.0	
17	SSI	EP	13 43 42.9				111	8	.1	
17	13 49 3.32		51.16 N 179.41 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	IP	13 49 9.1	6.9	.1	2.49	25	333	-.0	
17	ASD	IP	13 49 9.3	13.4	.1	2.78	26	349	.1	
		ES	13 49 16.3						2.7	
17	ASC	EP	13 49 10.6				37	333	-.1	
17	AND	EP	13 49 13.2				55	325	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	15 56 38.90		50.21 N 178.53 E	DEPTH = 18.3 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	EP	15 57 1.2	8.5	.1	3.12	137	21	.3	
		IS	15 57 16.8						-.1	
17	ASD	IP	15 57 1.9	7.3	.1	3.07	143	23	.1	
17	ASC	IP	15 57 2.4				146	18	.2	
17	AND	IP D	15 57 3.1				153	11	-.2	
17	ANA	IP	15 57 3.7				157	3	-.3	
17	AMA	EP	15 57 10.2	11.4	.1		205	53	-.3	
17	SSI	IP D	15 57 10.3				201	21	.3	
.....										
17	ASD	IP D	18 09 11.5	69.7	.1	3.62				
17	ASB	IP D	18 09 11.9							
		IS	18 09 17.5							
17	ACE	IP	18 09 12.7							
17	ACD	IP	18 09 13.2							
17	ASC	IP D	18 09 13.5							
17	ACA	IP	18 09 13.9							
17	ACB	IP	18 09 13.9							
17	ACC	IP	18 09 14.4							
17	ACF	IP	18 09 15.2							
17	AND	IP C	18 09 15.8							
17	AMA	EP	18 09 18.0	7.9	.1					
17	ANA	EP	18 09 18.6							
17	SSI	IP C	18 09 22.0							
17	RAT	IP D	18 09 22.7							
.....										
17	20 26 30.01		50.94 N 178.34 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	EP	20 26 43.4	7.0	.1	2.83	78	53	.1	
17	AND	IP	20 26 43.7				81	31	-.0	
17	ANA	IP D	20 26 43.8				79	16	.3	
17	ASC	EP	20 26 44.0				82	44	.2	
17	ASD	IP	20 26 44.2	8.0	.1	2.92	86	54	-.2	
		IS	20 26 54.8						-.1	
17	RAT	EP	20 26 45.6	3.0	.1	2.53	96	359	-.3	
17	SSI	EP	20 26 51.9	5.4	.1	2.92	137	39	-.1	
.....										
17	20 42 45.70		51.82 N 178.92 E	DEPTH = 71.7 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	AND	EP	20 42 57.0				29	176	.1	
		ES	20 43 5.0						-.1	
17	RAT	EP	20 42 57.6				41	267	-.0	
17	ASC	EP	20 42 57.9				43	157	.1	
17	SSI	EP	20 42 58.0				46	80	-.0	
17	ASB	EP	20 42 58.7	2.4	.1	2.40	56	156	-.1	
17	ASD	EP	20 42 58.8	2.0	.1	2.31	56	149	-.0	
.....										
17	20 46 21.83		51.13 N 179.38 E	DEPTH = 39.7 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	EP	20 46 29.5				27	340	-.1	
		IS	20 46 35.1						-.1	
17	ASD	EP	20 46 29.7	2.7	.1	2.20	29	355	-.0	
17	ACE	IP	20 46 30.1				33	334	-.1	
17	ACD	IP	20 46 30.6				37	333	.0	
17	ASC	EP	20 46 31.0				40	338	.1	
17	ACB	IP	20 46 31.2				42	332	.1	
17	ACA	EP	20 46 31.3				43	335	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 17	AND	EP	20 46 32.8				57	329	-.1	
. 17	SSI	EP	20 46 36.9				86	10	.0	
. 17	RAT	EP	20 46 39.1				104	316	-.0	
.....										
. 17	23 4 51.31	51.97 N 179.29 E DEPTH = 157.1 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 17	AND	EP	23 05 13.2				51	208	-.1	
. 17	ASC	EP	23 05 13.7				57	189	.1	
. 17	ANA	IP	23 05 13.7				58	229	.1	
. 17	ASD	IP C	23 05 13.9	3.4	.1	2.80	64	177	-.0	
		ES	23 05 30.4						-.0	
. 17	ASB	IP	23 05 14.0	1.3	.1	2.39	68	183	-.1	
. 17	RAT	IP	23 05 14.1	15.4	.1	3.46	69	255	-.0	
.....										
. 18	1 8 5.42	51.61 N 179.29 E DEPTH = 75.0 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	AND	EP	01 08 16.5				24	259	-.2	
. 18	ASC	EP	01 08 16.6				18	209	.1	
. 18	ASD	IP	01 08 16.7	13.0	.1	3.08	24	172	-.1	
		ES	01 08 25.0						-.0	
. 18	ACA	EP	01 08 16.7				18	221	.2	
. 18	ACB	EP	01 08 16.7				21	221	.1	
. 18	ACE	EP	01 08 16.7				24	200	-.1	
. 18	ACF	EP	01 08 16.7				22	247	.0	
. 18	ASB	IP	01 08 16.8	8.3	.1	2.89	27	187	-.1	
. 18	ACD	IP	01 08 16.8				22	209	.1	
. 18	SSI	EP	01 08 17.5	13.3	.1	3.12	38	32	.0	
. 18	ANA	IP	01 08 17.9				44	273	.0	
.....										
. 18	3 45 4.70	50.93 N 179.45 E DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	ASB	EP	03 45 15.0	18.7	.1	3.19	50	344	-.5	
		ES	03 45 23.0						-.4	
. 18	ASD	IP	03 45 15.1				52	352	-.6	
. 18	ACE	EP	03 45 15.9				56	340	-.3	
. 18	ACD	EP	03 45 16.5				60	339	-.1	
. 18	ASC	IP	03 45 16.8				63	342	-.1	
. 18	ACA	IP	03 45 17.2				66	339	-.0	
. 18	ACB	IP	03 45 17.2				64	337	.1	
. 18	ACC	IP	03 45 17.8				68	335	.3	
. 18	ACF	EP	03 45 18.5				74	335	.3	
. 18	AND	IP	03 45 19.2				78	334	.4	
. 18	SSI	IP	03 45 22.9	2.9	.1	2.59	108	5	.6	
.....										
. 18	3 45 14.30	30.41 S 179.72 W DEPTH = 364.0 KM MB = 5.1						TELESEISMIC SOLUTION		
		KERMADEC ISLANDS REGION								
. 18	ADK	EP	03 56 54.2	289.4	.8		9116	2		
.....										
. 18	4 25 37.31	51.79 N 178.89 E DEPTH = 24.0 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	AND	IP C	04 25 43.0				26	171	-.2	
. 18	ANA	IP	04 25 43.1				24	221	.1	
. 18	RAT	EP	04 25 44.8				39	272	-.0	
. 18	ASC	IP	04 25 45.3				41	153	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	SSI	IP D	04 25 46.3				49	76	.0	
. 18	ASD	EP	04 25 46.9	1.5	.1	2.04	54	145	-.1	
. 18	ASB	IP C	04 25 47.0	5.5	.1	2.59	54	153	.0	
.		ES	04 25 54.0						.0	
18	AND	EP	04 52 53.3							
18	ASB	EP	04 52 53.4	5.2	.1	3.01				
		IS	04 53 13.5							
18	ASC	IP C	04 52 53.8							
18	ASD	EP	04 52 54.2	2.7	.1	2.73				
18	SSI	EP	04 53 1.7	6.8	.1					
18	ADK	EP	07 57 53.0							
		ES	07 58 5.2							
18	10 52 11.85	51.96 N 178.47 E DEPTH = 121.9 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 18	RAT	IP D	10 52 28.6	14.9	.1	3.31	21	209	-.1	
. 18	ANA	IP D	10 52 29.4				40	161	.1	
. 18	AND	IP	10 52 30.0				55	143	-.0	
. 18	ASC	IP	10 52 31.3				73	139	.2	
. 18	SSI	IP D	10 52 31.4	11.1	.1	3.25	77	95	-.0	
. 18	ASB	IP	10 52 31.9				86	141	-.1	
. 18	ASD	IP C	10 52 32.2	18.2	.1	3.48	87	136	.0	
.		IS	10 52 47.0						-.0	
18	16 15 32.40	51.48 N 178.12 E DEPTH = 57.1 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 18	RAT	IP	16 15 42.6	10.9	.1	2.95	38	22	-.1	
. 18	ANA	IP	16 15 43.1				41	66	.2	
. 18	AND	IP C	16 15 44.5				58	81	-.1	
. 18	ASC	EP	16 15 46.3				72	91	.2	
. 18	ASB	EP	16 15 46.7	3.1	.1	2.54	79	99	-.2	
. 18	ASD	IP C	16 15 47.5	6.3	.1	2.87	85	96	-.0	
.		IS	16 15 58.6						.0	
. 18	SSI	IP	16 15 50.7	22.2	.1	3.49	111	65	.1	
.		IS	16 16 3.8						-.1	
19	5 30 15.71	52.04 N 178.07 E DEPTH = 139.1 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 19	RAT	IP D	05 30 34.8	79.5	.1	4.10	32	146	-.1	
. 19	ANA	IP	05 30 36.3				61	138	.2	
. 19	AND	IP	05 30 37.3				81	131	.0	
. 19	ASC	IP	05 30 38.6				99	130	.0	
. 19	SSI	IP D	05 30 39.1	19.9	.1	3.58	105	98	.0	
. 19	ASB	IP	05 30 39.5				111	132	-.0	
.		ES	05 30 56.9						-.0	
. 19	ASD	IP	05 30 39.7				114	129	-.1	
19	7 57 14.41	51.07 N 179.79 E DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
. 19	ASD	IP	07 57 24.9	7.6	.1	2.79	47	319	-.1	
.		ES	07 57 32.6						-.0	
. 19	ASB	IP	07 57 25.1	6.2	.1	2.71	50	311	-.1	
. 19	ASC	EP	07 57 26.7				62	315	.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
19	9 44	22.63	51.12 N 178.99 E	DEPTH = 24.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	IP	09 44 29.4	4.7	.1	2.37	32	34	.2	
		IS	09 44 34.0						-.1	
19	ASD	IP	09 44 29.9	8.4	.1	2.67	38	39	-.2	
19	ASC	IP	09 44 30.4				39	17	.1	
19	AND	IP	09 44 31.6				49	357	.0	
19	ANA	IP	09 44 33.2				61	338	-.1	
19	SSI	EP	09 44 38.4	3.7	.1	2.62	95	25	.0	
.....										
19	11 2	37.70	52.66 N 166.97 W	DEPTH = 22.0 KM MB = 5.6			TELESEISMIC SOLUTION			
			FOX ISLANDS, ALEUTIAN ISLANDS							
19	NIK	1PC	11 02 59.2				132	286		
19	ADK	EP 0	11 04 8.0				669	266		
		ES	11 05 13.7							
19	AMA	IP	11 04 31.3				848	264		
19	SSI	EP	11 04 39.9				921	270		
19	ASD	IP	11 04 42.7				950	267		TELESEISMIC
19	ASB	EP	11 04 43.5				957	267		
19	ASC	EP	11 04 44.1				960	268		
19	AND	EP	11 04 45.4				972	268		
19	ANA	EP	11 04 47.7				990	269		
19	RAT	EP	11 04 50.7				1008	270		
19	GMA	EP	11 05 46.7				1461	11		
.....										
19	12 8	44.10	51.24 N 179.12 E	DEPTH = 36.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	IP	12 08 50.4	7.5	.1	2.57	16	33	-.1	
		IS	12 08 55.0						-.2	
19	ACE	IP	12 08 50.6				18	11	-.1	
19	ACD	IP	12 08 50.9				21	3	.0	
19	ASD	IP	12 08 51.1	10.6	.1	2.75	23	43	.1	
19	ASC	IP	12 08 51.4				25	7	.2	
19	ACA	EP	12 08 51.6				27	360	.2	
19	ACF	IP	12 08 52.2				33	344	.2	
19	AND	IP	12 08 52.6				38	342	.1	
19	ANA	IP	12 08 54.2				53	323	-.3	
19	SSI	EP	12 08 57.9	5.6	.1	2.75	79	24	-.1	
.....										
19	13 31	12.60	19.55 S 177.47 W	DEPTH = 537.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			FIJI ISLANDS REGION							
19	ADK	EP	13 41 37.0	22.3	.6		7910	1		
.....										
19	13 45	50.00	52.02 N 175.91 E	DEPTH = 58.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	SMY	EP	13 46 12.5				146	303	.0	
19	RAT	EP	13 46 15.4				168	97	.3	
19	ANA	EP	13 46 18.8				194	102	.5	
19	AND	EP	13 46 20.9				216	102	-.0	
19	ASC	EP	13 46 23.7				233	104	.6	
19	ASB	EP	13 46 24.2				242	106	.1	
		IS	13 46 53.2						4.1	
19	ASD	IP	13 46 25.3				247	105	.5	
19	SSI	EP	13 46 26.7				253	92	1.2	
19	AMA	IP	13 46 37.8				353	101	-.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	ADK	EP	13 46 58.5				508	89	1.5	
		ES	13 47 53.3						7.4	
19	GMA	EP	13 49 57.1				1984	32	-2.0	
.....										
19	14	6 46.66	51.70 N 179.63 W	DEPTH = 94.0 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	EP	14 07 2.0	49.7	.1	3.80	59	141	-.1	
19	SSI	IP D	14 07 2.1	97.5	.1	4.09	58	292	.1	
19	ASD	IP	14 07 3.8				79	245	.1	
19	ASB	IP	14 07 4.4				86	244	.0	
		IS	14 07 17.1						-.2	
19	ASC	IP D	14 07 4.7				87	253	.2	
19	AND	IP	14 07 5.4				99	262	-.2	
19	ANA	IP	14 07 7.7				118	267	.2	
19	RAT	IP C	14 07 9.6	57.1	.1	4.02	141	275	-.3	
.....										
19	17	4 44.20	51.81 N 179.87 E	DEPTH = 95.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	SSI	IP D	17 04 57.8	140.1	.2	3.90	22	296	-.0	
19	ASD	IP	17 04 59.7				59	219	-.1	
19	ASC	IP	17 05 .1				62	232	.1	
19	ASB	IP	17 05 .2				66	221	-.1	
		IS	17 05 12.1						.0	
19	AND	IP	17 05 .6				69	247	.1	
19	ANA	IP	17 05 2.0				86	257	.0	
19	AMA	EP	17 05 2.5	54.1	.1	3.90	91	129	.0	
19	RAT	IP C	17 05 3.9	94.4	.1	4.17	106	270	-.0	
.....										
19	17	33 13.02	51.09 N 179.21 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	IP	17 33 19.6				30	5	.1	
		IS	17 33 24.2						-.0	
19	ASD	IP	17 33 19.9	12.2	.1	2.81	35	16	-.2	
19	ASC	IP	17 33 21.1				42	356	.1	
19	ACB	IP	17 33 21.2				42	349	.1	
19	ACA	IP	17 33 21.4				44	352	.1	
19	AND	IP	17 33 22.7				55	342	-.2	
.....										
19	22	2 31.40	51.46 N 179.27 W	DEPTH = 62.4 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	IP	22 02 41.2				22	150	.0	
19	SSI	IP C	22 02 47.6				93	302	-.0	
19	ASD	IP	22 02 47.9	37.7	.1	3.69	97	266	-.2	
19	ASB	IP C	22 02 48.9				104	265	-.0	
		ES	22 03 1.7						.0	
19	ASC	IP	22 02 49.7				109	271	.2	
19	AND	IP C	22 02 51.1				124	276	-.2	
19	ANA	IP C	22 02 53.9				145	278	.1	
.....										
20	9	3 53.44	51.08 N 179.82 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP	09 04 3.3				48	316	-.8	
20	ASB	IP	09 04 4.0	10.8	.1	2.96	51	308	-.3	
		ES	09 04 11.7						-.6	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ACE	IP	09 04 4.9				57	308	-.2	
20	ASC	IP	09 04 5.5				62	313	-.1	
20	ACD	IP	09 04 5.5				61	309	-.0	
20	ACB	IP	09 04 6.0				66	310	-.1	
20	ACA	IP	09 04 6.5				66	312	.5	
20	ACC	IP	09 04 6.7				70	310	.2	
20	ACF	IP	09 04 7.5				76	311	.3	
20	AND	IP	09 04 8.0				81	312	.2	
20	SSI	IP	09 04 9.1	53.2	.1	3.80	91	350	.0	
20	ANA	EP	09 04 10.7				101	307	.5	
.....										
20	9 15 48.37 50.91 N 179.12 E DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS									FIXED DEPTH SOLUTION
20	ASB	IP	09 15 57.8	11.9	.1	2.91	51	10	.1	
		ES	09 16 4.4						-.0	
20	ASD	IP	09 15 58.1	9.4	.1	2.84	56	16	-.2	
20	ACE	IP	09 15 58.3				55	3	.1	
20	ACB	IP	09 15 59.3				62	358	.1	
20	ACC	EP	09 15 59.3				64	355	-.3	
20	ASC	IP	09 15 59.3				62	3	.1	
20	ACA	IP	09 15 59.6				64	360	.1	
20	AND	IP	09 16 .9				74	351	-.1	
.....										
20	11 47 9.40 50.86 N 179.75 W DEPTH = 50.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS									FIXED DEPTH SOLUTION
20	ASD	IP	11 47 23.8	5.6	.1	2.81	87	313	-.7	
20	ASB	IP	11 47 25.1	5.4	.1	2.80	90	309	.3	
20	ASC	IP	11 47 26.1				101	312	-.1	
20	AND	IP	11 47 28.9				120	311	.4	
		IS	11 47 42.4						-.0	
20	SSI	IP	11 47 29.1				124	339	.1	
.....										
20	RAT	IP	18 34 13.6							
20	ANA	EP	18 34 16.9							
20	AND	EP	18 34 19.2							
20	ASC	EP	18 34 21.5							
20	ASB	EP	18 34 22.5							
20	ASD	EP	18 34 23.4							
		ES	18 34 53.4							
20	SSI	EP	18 34 24.8							
20	ADK	EP	18 34 58.2							
		ES	18 35 58.9							
.....										
20	21 9 15.45 51.04 N 179.04 E DEPTH = 29.6 KM RAT ISLANDS, ALEUTIAN ISLANDS									FREE DEPTH SOLUTION
20	ASB	IP	21 09 23.3				38	23	-.0	
		ES	21 09 28.9						-.2	
20	ACE	IP	21 09 23.7				41	13	.0	
20	ASD	IP	21 09 23.8				44	29	-.3	
20	ACD	IP	21 09 24.2				44	9	.2	
20	ACB	IP	21 09 24.6				47	5	.1	
20	ASC	IP	21 09 24.7				48	11	.1	
20	ACA	IP	21 09 24.9				49	7	.1	
20	ACF	IP	21 09 25.4				54	357	-.0	
20	AND	IP	21 09 26.0				58	354	-.0	
20	ANA	IP	21 09 27.7				70	338	-.0	
20	RAT	EP	21 09 31.5	5.2	.1	2.78	97	330	-.2	
20	SSI	IP	21 09 32.4	12.7	.1	3.19	102	22	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	1 59 10.81		51.47 N 178.92 E	DEPTH = 60.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ACB	IP	01 59 20.0				12	92	.0	
21	ACF	IP	01 59 20.0				8	38	.1	
21	AND	IP	01 59 20.1				11	13	.2	
21	ACA	IP	01 59 20.1				14	83	.1	
21	ACD	EP	01 59 20.1				16	105	.0	
21	ACE	IP	01 59 20.1				19	112	-.1	
21	ASC	IP	01 59 20.3				17	91	.2	
21	ASB	IP	01 59 20.4				26	117	-.2	
		IS	01 59 27.5						-.2	
21	ANA	EP	01 59 20.6				25	315	.1	
21	ASD	IP C	01 59 20.7	7.8	.1	2.80	31	106	-.2	
21	RAT	IP	01 59 22.7				55	313	-.2	
21	SSI	EP	01 59 23.9	8.3	.1	2.93	66	44	-.1	
21	AMA	EP	01 59 32.5	6.7	.1	3.05	138	97	.1	
21	2 23 51.87		51.68 N 178.90 E	DEPTH = 20.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	AND	IP	02 23 56.0				14	164	.0	
		IS	02 23 59.0						.0	
21	ACA	EP	02 23 57.5				27	145	-.0	
21	ACB	IP	02 23 57.5				27	151	-.0	
21	ACD	EP	02 23 58.3				32	149	.0	
21	ASD	IP	02 24 0.0	3.4	.1	2.30	44	136	.0	
21	ADK	EP D	03 38 12.1							
		ES	03 39 7.9							
21	ADK	IP D	06 13 11.2	60.3	.6					
21	15 26 1.13		51.23 N 178.69 E	DEPTH = 31.4 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ACB	EP	15 26 9.2				38	47	.1	
21	ACD	EP	15 26 9.2				38	55	.1	
21	ACE	EP	15 26 9.2				39	61	.0	
21	ACF	EP	15 26 9.2				39	33	-.0	
21	AND	EP	15 26 9.5				41	26	-.0	
21	ACA	EP	15 26 9.5				41	47	.0	
21	ASB	EP	15 26 9.6	2.6	.1	2.21	41	70	.1	
		ES	15 26 15.6						-.1	
21	ASC	EP	15 26 9.7				42	52	.1	
21	ANA	EP	15 26 9.8				44	358	-.1	
21	ASD	EP	15 26 10.3				49	69	-.2	
21	SSI	EP	15 26 17.3				96	40	.0	
21	NIK	EP	15 35 51.7							
21	ADK	EP D	15 36 46.6							
21	ADK	EP D	15 37 27.0							
21	ADK	EP	15 39 23.8							
21	GMA	EP	15 39 26.8							
21	ADK	EP	15 40 24.9							
		ES	15 40 28.0							
21	ADK	EP	19 47 .2							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		ES	19 47 8.9							
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21	ADK	EP	20 32 22.5							
		ES	20 32 33.9							

22	7 1 7.75	51.11 N 179.35 E DEPTH = 28.1 KM				FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	ASB	IP D	07 01 14.3	12.2	.1	2.79	29	346	-.1	
		ES	07 01 19.3						.1	
22	ASD	IP D	07 01 14.5				31	359	-.2	
22	ACE	EP	07 01 15.1				35	340	.0	
22	ACD	EP	07 01 15.5				39	338	-.0	
22	ASC	EP	07 01 16.1				41	342	.2	
22	ACA	EP	07 01 16.3				44	339	-.0	
22	ACB	EP	07 01 16.3				43	336	.1	
22	ACF	EP	07 01 17.5				53	332	.1	
22	AND	EP	07 01 17.8				58	332	-.3	
22	ANA	EP	07 01 20.4				75	321	-.2	
22	SSI	IP	07 01 22.7	22.0	.1	3.37	89	11	.0	
22	RAT	EP	07 01 25.3				104	318	.3	
22	AMA	EP	07 01 25.8	2.9	.1	2.57	110	79	.0	

22	7 25 58.58	52.42 N 179.96 E DEPTH = 222.7 KM				FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	AND	EP	07 26 31.3				118	216	-.1	
22	ACA	EP	07 26 31.4				120	209	-.1	
22	ASD	IP D	07 26 31.5	10.9	.1	3.47	122	201	-.2	
22	ACF	EP	07 26 31.5				120	214	.0	
22	ACB	EP	07 26 31.6				122	210	-.1	
22	ASC	IP	07 26 31.8				120	207	.3	
22	ASB	IP	07 26 31.9	10.6	.1	3.46	128	203	-.1	
		ES	07 26 56.4						-.0	
22	ACD	EP	07 26 31.9				124	207	.1	
22	ACE	EP	07 26 31.9				126	206	.0	
22	RAT	IP C	07 26 32.2	19.9	.1	3.73	131	239	-.0	
22	AMA	IP C	07 26 32.9	7.1	.1	3.29	141	153	-.0	

22	ADK	EP	08 08 45.2							
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22	10 2 46.50	51.30 N 178.82 W DEPTH = 91.1 KM				FREE DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
22	AMA	EP	10 02 59.6	4.8	.1	2.71	20	266	.0	
22	ASD	EP	10 03 8.1	1.7	.1	2.46	128	275	-.1	
22	ASB	EP	10 03 9.0	2.2	.1	2.59	135	274	.1	
		ES	10 03 25.3						.0	
22	ASC	EP	10 03 9.7				141	278	.0	

22	ADK	EP	10 40 52.1							
		ES	10 40 59.8							

22	10 47 2.59	51.53 N 179.61 W DEPTH = 70.5 KM				FREE DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
22	AMA	EP	10 47 14.6	36.8	.1	3.55	44	128	.0	
22	SSI	IP D	10 47 16.8	33.2	.1	3.57	69	306	.0	
22	ASD	IP	10 47 17.2				75	259	-.2	
22	ASB	IP	10 47 18.1				82	257	.0	
		ES	10 47 29.4						.0	
22	ASC	IP	10 47 18.7				86	266	.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	AND	IP	10 47 19.9				100	273	-.1	
22	ANA	IP	10 47 22.6				120	276	.2	
22	RAT	EP	10 47 25.2				146	283	-.1	
22	ADK	EP	10 47 33.1				205	78	.6	
		ES	10 47 55.5						1.2	

22 11 23 34.24 50.26 N 178.71 E DEPTH = 27.5 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

22	ASB	IP	11 23 55.2	18.3	.2	3.13	128	17	.1	
		ES	11 24 10.0						-.2	
22	ASD	IP	11 23 55.8	5.7	.1	2.94	134	19	-.1	
22	ASC	IP	11 23 56.5				138	13	.0	
22	AND	EP	11 23 57.4				146	7	-.3	
22	ANA	EP	11 23 59.1				152	359	.5	
22	RAT	EP	11 24 .6	2.2	.1	2.63	174	351	-.6	
22	AMA	IP C	11 24 3.1	4.0	.1	2.92	191	52	-.3	
22	SSI	IP D	11 24 4.2	16.6	.1	3.54	192	18	.8	

22 11 57 12.15 51.41 N 179.36 E DEPTH = 24.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

22	ASD	IP C	11 57 16.1				3	213	-.2	
22	ASB	EP	11 57 16.6				10	235	.0	
		IS	11 57 19.6						-.2	
22	ACE	IP C	11 57 16.9				13	264	.1	
22	ASC	IP	11 57 17.1				15	292	.2	
22	ACD	IP C	11 57 17.1				16	276	.1	
22	ACA	IP C	11 57 17.3				19	294	.0	
22	ACB	IP C	11 57 17.5				20	286	.1	
22	ACF	IP	11 57 18.4				29	296	.0	
22	AND	IP	11 57 18.7				33	300	-.2	
22	ANA	IP	11 57 21.9				54	296	.0	
22	SSI	IP D	11 57 22.1	3.2	.1	2.37	56	16	.0	
22	RAT	EP	11 57 26.1	1.6	.1	2.21	83	301	-.1	
22	AMA	EP	11 57 29.7				107	97	.0	

22	ADK	IP D	13 24 17.3							
		ES	13 24 29.5							
22	AMA	EP	13 24 37.4							
22	SSI	UP	13 24 50.4							
22	ASD	IP	13 24 52.3	20.3	.2					
		ES	14 23 42.3							
22	ASB	EP	13 24 53.2	30.5	.2					
22	ASC	EP	13 24 54.0							
22	AND	EP	13 24 55.8							
22	ANA	EP	13 24 58.3							
22	RAT	EP	13 25 1.0							

22	ADK	EP	15 25 35.8							
		ES	15 25 45.2							

22	ADK	EP	20 49 19.7							
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22 23 46 31.96 52.11 N 179.73 W DEPTH = 75.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

22	SSI	EP	23 46 46.9				53	243	1.8	
22	ASD	EP	23 46 49.4	2.1	.1	2.48	103	219	-.6	
		ES	23 47 4.5						1.4	
22	ASC	EP	23 46 49.8				105	227	-.4	
22	ASB	EP	23 46 49.9	2.6	.1	2.59	110	221	-.8	
22	AMA	IP	23 46 50.0	2.6	.1	2.57	101	155	.2	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	AND	EP	23 46 50.3				109	237	-.4	
23	2 15	5.71	51.08 N 179.33 E							DEPTH = 37.3 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
23	ASB	IP D	02 15 13.6				31	349	.0	
		IS	02 15 18.1						-1.2	
23	ASD	IP D	02 15 13.7				34	1	-.2	
23	ACE	IP	02 15 14.2				37	342	.0	
23	ASC	IP D	02 15 15.1				44	345	.1	
23	ACA	IP	02 15 15.5				47	341	.2	
23	ACF	IP	02 15 16.6				55	335	.3	
23	AND	IP D	02 15 17.0				50	334	.0	
23	ANA	IP C	02 15 19.3				76	323	.0	
23	SSI	IP D	02 15 21.9				92	11	.4	
23	RAT	IP C	02 15 23.1	44.7	.1	3.76	106	319	-.3	
23	AMA	IP D	02 15 23.9				111	78	-.2	
23	2 30	4.32	51.09 N 179.33 E							DEPTH = 29.9 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
23	ASB	IP D	02 30 11.4	10.3	.1	2.73	31	349	.1	
		ES	02 30 16.4						-.0	
23	ASD	IP D	02 30 11.5	8.1	.1	2.65	34	1	-.2	
23	ACE	EP	02 30 12.0				36	342	.0	
23	ACA	EP	02 30 13.3				46	341	.1	
23	ACF	IP	02 30 14.4				54	334	.1	
23	AND	IP	02 30 14.8				59	334	-.2	
23	SSI	IP	02 30 19.7	8.8	.1	2.99	91	11	.0	
23	3 55	2.25	51.04 N 179.32 E							DEPTH = 31.8 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
23	ASB	IP	03 55 10.3				36	352	.2	
		ES	03 55 15.3						-.5	
23	ASD	IP D	03 55 10.4				39	3	-.0	
23	ACE	IP	03 55 10.8				42	346	.1	
23	ASC	IP	03 55 11.8				48	347	.2	
23	ACA	IP	03 55 12.1				51	345	.1	
23	ACF	IP	03 55 13.1				59	338	.1	
23	AND	IP	03 55 13.7				64	337	.0	
23	ANA	IP	03 55 15.9				80	325	-.1	
23	SSI	IP D	03 55 18.6	27.3	.1	3.50	97	11	.1	
23	RAT	IP	03 55 20.0	4.4	.1	2.75	109	321	-.3	
23	AMA	EP	03 55 20.8	3.1	.1	2.62	113	75	-.1	
23	4 50	3.24	51.56 N 179.39 E							DEPTH = 18.2 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
23	ASD	IP	04 50 7.7				19	190	-.1	
23	ACA	IP C	04 50 8.1				21	244	.1	
23	ASB	IP C	04 50 8.4				25	204	-.1	
		IS	04 50 12.3						.0	
23	ACE	IP	04 50 8.4				24	220	.1	
23	ACF	IP	04 50 8.9				28	262	.0	
23	AND	IP D	04 50 9.1				30	270	-.1	
23	SSI	IP	04 50 10.6	10.7	.1	2.76	39	20	.1	
		IS	04 50 15.7						-.1	
23	RAT	EP	04 50 16.3				78	290	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	5 40	4.82	51.11 N 179.29 E	DEPTH = 31.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP D	05 40 11.7				28	353	.0	
		IS	05 40 16.3						-.4	
23	ASD	IP D	05 40 11.9				32	6	-.1	
23	ACE	IP	05 40 12.4				34	346	.1	
23	ASC	IP	05 40 13.3				41	347	.2	
23	ACA	IP	05 40 13.7				43	344	.2	
23	ACF	EP	05 40 14.7				51	336	.2	
23	AND	IP	05 40 15.2				56	335	.0	
23	ANA	IP	05 40 17.5				73	323	-.0	
23	SSI	IP D	05 40 20.0	42.1	.1	3.66	90	13	-.0	
23	RAT	IP	05 40 21.4	3.8	.1	2.67	102	319	-.4	
23	AMA	IP	05 40 23.4				113	79	-.1	
23	ADK	IP D	05 43 27.5							
		ES	05 43 35.3							
23	5 49	36.01	50.76 N 178.30 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	EP	05 49 52.8	4.4	.1	2.68	95	44	.0	
23	AND	EP	05 49 53.6				101	27	-.1	
		ES	05 50 6.6						.0	
23	ANA	EP	05 49 53.7				100	15	.1	
23	ASD	EP	05 49 53.9	3.6	.1	2.63	102	46	.1	
23	SSI	P	05 50 1.8	106.4	.1	4.26	155	35	-.1	
23	6 1	19.70	51.08 N 179.01 E	DEPTH = 31.0 KM			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP C	06 01 27.6				36	28	.2	
		IS	06 01 32.0						-1.0	
23	ACE	IP C	06 01 27.9				38	18	.3	
23	ASD	IP C	06 01 28.1				42	34	-.1	
23	ASC	IP D	06 01 28.9				44	14	.4	
23	ACA	IP C	06 01 29.0				46	10	.4	
23	ACF	IP C	06 01 29.6				50	359	.4	
23	AND	IP D	06 01 30.0				54	356	.2	
23	ANA	IP D	06 01 31.6				66	339	.2	
23	RAT	IP	06 01 35.2				93	330	-.1	
23	SSI	IP	06 01 36.5				99	24	.2	
23	AMA	IP	06 01 40.0				134	79	-1.4	
23	ADK	EP C	06 02 3.3				312	72	-.1	
		ES	06 02 36.0						.7	
23	6 7	24.84	51.12 N 179.27 E	DEPTH = 31.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP D	06 07 31.6	5.0	.1	2.41	27	357	-.0	
		IS	06 07 36.3						-.2	
23	ASD	IP D	06 07 31.7	8.1	.1	2.64	31	9	-.3	
23	ACE	IP	06 07 32.3				32	348	.1	
23	ASC	IP D	06 07 33.2				39	349	.2	
23	ACA	IP D	06 07 33.5				42	345	.2	
23	ACF	IP	06 07 34.6				49	337	.3	
23	AND	IP D	06 07 35.1				54	336	.1	
23	ANA	EP	06 07 37.2				71	323	-.1	
23	SSI	IP D	06 07 39.9	57.6	.1	3.80	89	14	-.0	
23	RAT	IP	06 07 41.2				100	320	-.4	
23	AMA	EP	06 07 43.7				115	80	-.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASB	IP D	06 10 2.9							
23	ASD	IP D	06 10 3.0							
23	8 4	7.75	51.14 N 179.11 E	DEPTH = 32.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP D	08 04 14.6				26	21	.1	
		IS	08 04 19.3						-.2	
23	ACE	IP	08 04 14.9				29	8	.1	
23	ASD	IP D	08 04 15.0				32	30	-.2	
23	ASC	IP	08 04 15.4				36	6	-.2	
23	ACA	IP	08 04 16.0				38	1	.2	
23	ACF	IP	08 04 16.7				44	349	.2	
23	AND	IP D	08 04 17.2				48	347	.1	
23	ANA	IP C	08 04 19.2				62	330	.1	
23	RAT	EP	08 04 22.9				91	324	-.3	
23	SSI	IP	08 04 23.0	16.6	.1	3.26	90	21	.0	
23	12 22	43.38	50.91 N 179.49 E	DEPTH = 47.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IP	12 22 53.9				54	349	-.6	
23	ASB	IP D	12 22 53.9	1085.2	.2	4.66	53	342	-.4	AMP MAY BE CLIP
		IS	12 23 1.1						-1.2	
23	ACE	IP	12 22 54.6				59	338	-.4	
23	ASC	IP	12 22 55.6				65	340	-.2	
23	ACA	IP	12 22 56.0				69	338	-.2	
23	ACF	IP	12 22 57.2				77	334	.1	
23	AND	IP	12 22 57.7				82	333	-.0	
23	ANA	IP	12 23 .1				98	324	.3	
23	SSI	IP D	12 23 1.8				110	4	.6	
23	AMA	EP	12 23 1.2				107	66	.4	
23	RAT	EP	12 23 3.9				127	321	.5	
23	SSI	IP D	12 50 53.7							
		IS	12 50 56.1							
23	ASD	IP D	12 50 59.0	16.4	.2	2.94				
		IS	12 51 9.0							
23	ASC	IP D	12 50 59.5							
23	ASB	EP	12 50 59.9	6.6	.1	2.87				
23	AND	IP	12 51 .1							
23	ANA	IP	12 51 2.9							
		ES	12 51 12.7							
23	14 20	7.35	51.39 N 178.76 E	DEPTH = 41.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	AND	IP	14 20 14.9				24	34	-.1	
23	ANA	EP	14 20 15.4				28	346	.0	
23	ASC	EP	14 20 15.7				29	73	.2	
23	ASB	EP	14 20 15.9	2.2	.1	2.15	34	95	-.1	
23	ASD	EP	14 20 16.6	1.5	.1	2.03	40	89	-.0	
		ES	14 20 23.4						-.0	
23	AMA	IP C	19 14 3.9	27.6	.1					
23	SSI	EP	19 14 18.6							
23	ASD	EP	19 14 19.6							POOR P.
23	ASB	EP	19 14 19.6							
23	ASC	EP	19 14 22.3							
		ES	19 14 51.7							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	22 33	30.90	11.83 N 142.48 E	DEPTH = 28.0 KM MB = 5.9 MS = 6.3			TELESEISMIC SOLUTION SOUTH OF MARIANA ISLANDS			
23	ADK	EP	22 42 40.0				5755	31		
		ES	22 49 56.0							
23	22 54	24.22	51.26 N 178.97 E	DEPTH = 32.9 KM			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
23	ASB	IP	22 54 30.6	10.5	.1	2.71	22	60	-0.0	
		IS	22 54 35.0						-0.3	
23	ACE	IP	22 54 30.6				21	42	.1	
23	ASD	IP	22 54 31.3	5.7	.1	2.49	29	61	-0.1	
23	ACA	IP	22 54 31.3				26	22	.2	
23	ACF	IP	22 54 31.5				29	3	.1	
23	AND	IP	22 54 31.8				33	357	-0.0	
23	RAT	EP	22 54 37.1				75	323	-0.2	
23	SSI	EP	22 54 38.3	7.3	.1	2.87	82	31	-0.0	
23	ADK	EP	23 22 4.6							
24	AMA	IP	01 13 0.0	36.6	.1					
24	ASD	EP	01 13 5.8	3.5	.1	2.52				
24	ASB	EP	01 13 7.2	6.1	.2	2.50				
		ES	01 13 17.0							
24	ASC	EP	01 13 8.7							
24	SSI	IP	01 13 9.6							
24	AND	EP	01 13 11.3							
24	1 36	56.00	11.86 N 142.40 E	DEPTH = 44.0 KM MB = 5.2			TELESEISMIC SOLUTION SOUTH OF MARIANA ISLANDS			
24	ADK	EP	01 46 1.2				5757	31		
24	1 37	30.40	11.88 N 142.32 E	DEPTH = 33.0 KM MB = 6.0 MS = 6.4			TELESEISMIC SOLUTION SOUTH OF MARIANA ISLANDS			
24	ADK	EP	01 46 35.4				5759	31		
		E	01 46 37.4							
		ES	01 53 58.0							
24	2 21	2.30	11.85 N 142.28 E	DEPTH = 33.0 KM MB = 6.2 MS = 6.0			TELESEISMIC SOLUTION SOUTH OF MARIANA ISLANDS			
24	ADK	IP	02 30 9.3	2175.0	1.4		5765	31		
		E	02 30 23.8							
		E	02 31 22.6							
24	5 43	41.34	51.43 N 179.74 W	DEPTH = 46.9 KM			FREE DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS			
24	ASD	EP	05 43 53.4	2.4	.1	2.34	64	266	-0.2	
24	SSI	IP	05 43 54.2	5.4	.1	2.72	69	318	.0	
24	ASB	EP	05 43 54.3	2.2	.1	2.34	71	264	-0.1	
		IS	05 44 3.9						-0.0	
24	ASC	EP	05 43 55.7				76	273	.7	
24	AND	EP	05 43 56.6				92	280	-0.3	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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24	RAT	EP	12 53 56.1	97.1	.3					
24	ANA	EP	12 54 .4							
24	AND	EP	12 54 2.0							
24	ASC	EP	12 54 5.8							
24	ASB	EP	12 54 6.5							
24	ASD	EP	12 54 6.9							
		ES	12 54 59.0							
24	SSI	EP	12 54 7.9	14.2	.3					

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 . 24 14 21 2.00 15.14 S 173.89 W DEPTH = 66.0 KM MB = 5.6 TELESEISMIC SOLUTION
 . TONGA ISLANDS
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. 24 ADK EP 14 31 47.5 400.0 1.4 7426 358
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 . 24 16 7 57.61 51.52 N 179.97 W DEPTH = 79.1 KM FREE DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
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. 24	ASD	IP	16 08 10.8	17.1	.1	3.27	50	253	-.1	
		IS	16 08 20.9						.3	
. 24	SSI	EP	16 08 11.2	2.7	.1	2.47	51	324	.2	
		IS	16 08 20.6						-.2	
. 24	ASB	EP	16 08 11.4	4.4	.1	2.69	57	252	-.1	
. 24	ASC	EP	16 08 11.7				60	264	-.0	
. 24	AMA	IP	16 08 12.2	3.3	.1	2.59	65	113	.0	
. 24	AND	EP	16 08 12.8				75	274	-.2	
. 24	ANA	EP	16 08 15.3				95	278	.2	

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 . 24 16 45 33.46 51.23 N 179.90 E DEPTH = 53.8 KM MB = 4.0 FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
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. 24	ASD	IP C	16 45 43.8				43	295	-.0	
. 24	ASB	IP C	16 45 44.4				48	288	.1	
		IS	16 45 52.1						-.1	
. 24	ACE	IP C	16 45 45.1				54	291	.2	
. 24	ACB	IP C	16 45 45.2				62	295	-.6	
. 24	ASC	IP C	16 45 45.6				57	297	.3	
. 24	ACA	IP C	16 45 45.9				61	298	.2	
. 24	AMA	IP D	16 45 46.6				70	84	-.0	
. 24	ACF	IP D	16 45 46.8				71	298	.0	
. 24	AND	IP C	16 45 47.1				75	300	-.2	
. 24	SSI	IP C	16 45 47.5				77	344	.0	
. 24	ANA	EP	16 45 49.8				96	298	.0	
. 24	RAT	IP C	16 45 53.4				126	301	.1	
. 24	ADK	EP	16 46 8.9				248	72	.6	
		ES	16 46 34.5						.9	

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 . 24 17 50 28.91 50.96 N 178.54 E DEPTH = 31.9 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
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. 24	ASB	EP	17 50 40.7	6.1	.1	2.72	66	48	-.1	
. 24	ACE	IP	17 50 40.7				66	42	.0	
. 24	ACA	IP	17 50 41.4				70	35	.1	
. 24	ACF	IP	17 50 41.4				70	27	.1	
. 24	ASC	EP	17 50 41.5				71	38	.1	
. 24	ASD	IP	17 50 41.6	9.9	.1	2.97	74	49	-.2	
		IS	17 50 51.0						-.2	
. 24	AND	IP C	17 50 41.6				73	23	-.1	
. 24	ANA	IP	17 50 42.1				74	7	.2	
. 24	RAT	EP	17 50 44.5				94	351	-.3	
. 24	SSI	EP	17 50 49.6	5.9	.1	2.94	127	35	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ADK	EP	18 48 12.1							
24	ADK	EP	19 52 1.1							
		ES	19 52 10.6							
24	20 23 29.21		51.23 N 179.96 W				DEPTH = 39.0 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
24	ASD	IP	20 23 39.7	5.5	.1	2.63	52	291	.1	
24	ASB	IP	20 23 40.4	6.1	.1	2.70	57	285	.1	
		ES	20 23 47.9						-.4	
24	AMA	IP	20 23 40.5	10.9	.1	2.96	60	83	-.1	
24	ACE	IP	20 23 41.2				63	288	.1	
24	ASC	IP D	20 23 41.7				66	294	.2	
24	ACA	IP	20 23 42.2				70	294	.2	
24	ACF	IP	20 23 43.3				80	295	-.1	
24	AND	EP	20 23 43.5				84	297	-.5	
24	SSI	IP	20 23 43.5	39.9	.1	3.62	80	337	.1	
24	ANA	EP	20 23 46.6				105	295	-.1	
24	RAT	EP	20 23 50.4	4.4	.1	2.84	134	299	.1	
24	AMA	EP	21 09 13.9	4.0	.1					
24	SSI	EP	21 09 20.6							
24	ASD	EP	21 09 24.8	2.7	.1	2.65				
		ES	21 09 41.5							
24	ASB	EP	21 09 26.0	3.5	.1	2.79				
24	ASC	EP	21 09 27.1							
24	22 23 22.60		52.68 N 175.98 W				DEPTH = 200.0 KM			FIXED DEPTH SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
24	ADK	EP	22 23 52.3				101	209	.4	
		ES	22 24 13.4						.0	
24	AMA	IP	22 24 5.5	71.4	.1		265	235	-.3	
24	SSI	IP	22 24 11.6				314	256	.7	
24	ASD	EP	22 24 14.5	17.6	.1		351	248	-.4	
		ES	22 24 53.7						.6	
24	ASB	IP C	22 24 15.3	12.4	.1		358	248	-.4	
24	ASC	EP	22 24 15.9				359	250	.1	
24	AND	EP	22 24 16.5				368	252	-.3	
24	ANA	EP	22 24 18.6				384	254	-.0	
24	RAT	EP	22 24 20.4	7.4	.1		400	258	.0	
25	0 9 29.80		29.96 N 137.07 E				DEPTH = 508.0 KM			TELESEISMIC SOLUTION
			SOUTH OF HONSHU, JAPAN							
25	ANA	EP	00 16 1.4				4173	43		
25	AND	EP	00 16 2.9				4189	43		
25	ASB	EP	00 16 3.6				4202	43		
25	ASD	IP	00 16 4.2				4209	43		NO S.
25	ADK	IP	00 16 23.6	54.3	.7		4489	44		FROM BRUSH.
25	ADK	EP	01 20 44.8							
		ES	01 20 53.5							
25	1 58 39.87		51.52 N 179.65 E				DEPTH = 89.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	IP	01 58 53.4	8.7	.1	2.97	25	237	.4	
25	ASC	EP	01 58 53.5				34	260	.2	
25	ACA	IP	01 58 53.5				37	264	.0	
25	ACE	IP	01 58 53.7				35	249	.3	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 25	ACF	IP	01 58 53.7				45	271	-.3	
. 25	ASB	EP	01 58 53.8	4.3	.1	2.67	33	238	.5	
.		ES	01 59 2.4						-.6	
. 25	AND	EP	01 58 53.8				48	276	-.3	
. 25	ACC	IP	01 58 53.8				42	265	.0	
. 25	SSI	EP	01 58 54.0	6.1	.1	2.84	42	354	.2	
. 25	ANA	EP	01 58 55.3				69	280	-.4	
. 25	AMA	EP	01 58 57.2	4.5	.1	2.81	90	106	-.4	

25	ADK	IP	02 33 32.3							
		ES	02 33 39.9							
25	AMA	EP	02 33 46.2	34.0	.2					
25	SSI	EP	02 34 .7							
25	ASD	IP	02 34 1.6	2.4	.1					
		ES	02 34 34.0							
25	ASB	IP	02 34 2.7	2.7	.1					
25	ASC	IP	02 34 3.5							

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. 25	3 22 15.37	50.91 N 179.83 W	DEPTH = 12.8 KM	FREE DEPTH SOLUTION				
.		DELAROF ISLANDS, ALEUTIAN ISLANDS						
. 25	AMA	EP	03 22 26.5	27.1 .1 3.33 66 50 -.0				
. 25	ASD	IP	03 22 28.4	21.7 .1 3.31 79 313 -.1				
. 25	ASB	IP C	03 22 28.9	63.8 .1 3.79 82 308 -.0				
.		IS	03 22 38.7					-.1
. 25	ASC	IP	03 22 30.7			93	312	.0
. 25	AND	IP C	03 22 33.8			112	311	.3
. 25	SSI	EP	03 22 34.3	68.7 .1 3.96		117	340	.1
. 25	ANA	EP	03 22 36.4			132	308	-.1
. 25	ADK	EP	03 22 53.4			244	62	1.1
.		ES	02 23 17.0					-2.2

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. 25	3 49 51.81	50.96 N 179.86 W	DEPTH = 5.5 KM	FREE DEPTH SOLUTION				
.		DELAROF ISLANDS, ALEUTIAN ISLANDS						
. 25	AMA	IP	03 50 3.3	20.2 .2 2.89 64 55 -.0				
. 25	ASD	E(P)	03 50 4.7			74	311	-.1
.		I	03 50 5.8	9.0 .1 2.89				
. 25	ASB	IP	03 50 5.2	9.1 .1 2.91		77	306	-.1
.		ES	03 50 15.1					.0
. 25	ASC	EP	03 50 7.0			88	310	-.0
. 25	AND	EP	03 50 10.0			106	309	.2
. 25	SSI	EP	03 50 10.4	39.9 .1 3.70		111	340	-.0

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. 25	3 46 36.30	13.09 S 166.45 E	DEPTH = 34.0 KM	MB = 5.5 MS = 6.2	TELESEISMIC SOLUTION
.		NEW HEBRIDES ISLANDS			

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. 25	ADK	EP	03 57 43.0	7376	11
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25	ADK	EP	15 09 8.0		
		ES	15 09 37.0		

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. 25	15 35 47.13	51.10 N 179.23 E	DEPTH = 26.9 KM	FREE DEPTH SOLUTION				
.		RAT ISLANDS, ALEUTIAN ISLANDS						
. 25	ASB	IP	15 35 53.7	154.5 .1 3.88 29 3 .0				
.		IS	15 35 58.4					-.0
. 25	ASD	IP	15 35 54.1	54.2 .1 3.46		34	14	-.1
. 25	ACE	IP	15 35 54.2			34	354	-.0
. 25	ASC	IP	15 35 55.2			41	354	.1
. 25	ACA	IP	15 35 55.6			43	350	.1

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OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	ACF	IP	15 35 56.4				50	341	-0	
25	AND	IP	15 35 57.0				55	340	-0.1	
25	SSI	IP	15 36 2.5	79.8	.1	3.94	92	16	-0	
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26	0 36 57.90		51.96 N 175.20 W	DEPTH = 60.0 KM MB = 4.7			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
26	ADK	IP	00 37 14.3				102	266	-0.8	
		ES	00 37 23.8						-3.9	
26	AMA	EP	00 37 34.8				280	256	-2.0	
26	ASD	EP	00 37 50.4	252.1	.3		382	263	1.1	
		E	00 38 37.2							
26	ASB	EP	00 37 52.2				389	262	2.0	
26	ASC	EP	00 37 52.2				392	264	1.6	
26	RAT	EP	00 37 57.9				445	270	.8	
26	NIK	EP	00 37 58.4				445	73	1.3	
26	GMA	E(P)	00 40 37.5				1700	23	5.5	
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26	ADK	IP	03 55 26.1							
		ES	03 55 36.4							
26	ADK	IP	09 10 35.1							
		ES	09 10 41.5							
26	ACA	EP	09 21 34.2							
26	ASC	IP	09 21 34.6							
26	AND	IP	09 21 34.6							
		ES	09 21 45.8							
.....										
26	10 44 32.95		52.14 N 178.19 E	DEPTH = 150.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	RAT	EP	10 44 53.6	10.4	.1	3.25	39	165	-0.1	
26	ANA	IP C	10 44 55.1				66	150	.2	
26	AND	IP C	10 44 55.7				83	140	-0.1	
26	SSI	IP D	10 44 57.0	24.4	.1	3.68	100	105	.0	
26	ASC	IP	10 44 57.3				101	138	.2	
26	ASD	IP C	10 44 58.0	25.8	.1	3.72	115	136	-0.2	
26	ASB	IP	10 44 58.0				113	139	-0	
		ES	10 45 16.3						-0	
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26	19 35 27.37		51.66 N 179.92 E	DEPTH = 69.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP	19 35 39.8	6.0	.1	2.78	50	234	.0	
26	ASC	EP	19 35 40.3				56	248	-0	
26	ASB	IP	19 35 40.4	8.0	.1	2.92	57	235	.0	
		ES	19 35 49.9						.0	
26	AND	EP	19 35 41.4				68	261	.0	
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26	19 42 38.82		52.15 N 179.49 E	DEPTH = 191.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	AND	IP	19 43 5.8				75	210	-0	
26	ASC	IP	19 43 6.1				80	197	.1	
26	ASD	IP	19 43 6.2	35.3	.1	3.90	85	187	-0.1	
		ES	19 43 26.4						.0	
26	ANA	IP	19 43 6.2				82	225	.1	
26	RAT	IP C	19 43 6.5	96.9	.1	4.34	89	245	-0	
26	ASB	IP	19 43 6.6	31.6	.1	3.85	89	191	.0	
26	AMA	EP	19 43 9.6				136	134	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASD	IP	06 29 49.5	3.9	.1	2.24				
27	ASB	EP	06 29 50.8							
		ES	06 29 55.6							
27	AND	EP	06 29 55.0							
27	RAT	EP	08 14 19.4	19.9	.1					
27	AND	EP	08 14 19.6							
27	ASD	IP	08 14 20.2	7.3	.1	3.11				
27	ASB	IP	08 14 20.5	4.9	.1	2.95				
		ES	08 14 38.6							
27	AMA	IP	09 51 55.8	19.5	.1					
27	ASD	EP	09 52 3.5	9.2	.1					
27	ASB	EP	09 52 4.0	8.9	.1					
27	AND	EP	09 52 5.5							

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 . 27 10 23 46.65 51.20 N 178.73 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
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 . 27 ASB EP 10 23 54.4 2.3 .1 2.12 40 64 .0
 . ES 10 24 0.0 -0.0
 . 27 AND IP 10 23 54.9 43 21 .1
 . 27 ANA EP 10 23 55.4 47 354 -0.0
 .

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 . 27 12 47 25.35 52.33 N 179.81 W DEPTH = 149.5 KM FREE DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
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 . 27 AND EP 12 47 50.8 121 225 -.1
 . 27 ASD EP 12 47 51.0 5.5 .1 3.05 120 210 .1
 . 27 ASB EP 12 47 51.3 8.5 .1 3.25 126 212 -.1
 . ES 12 48 10.4 .0
 . 27 ANA EP 12 47 51.9 131 234 .1
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 . 27 16 6 39.12 51.80 N 179.28 E DEPTH = 90.8 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
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 . 27 SSI EP 16 06 52.3 31.0 .1 3.52 24 63 .0
 . IS 16 07 1.9 -0.0
 . 27 AND IP 16 06 52.9 35 221 .2
 . 27 ASD IP C 16 06 53.3 25.3 .1 3.47 45 175 -0.0
 . 27 ASB IP 16 06 53.5 17.9 .1 3.32 49 183 -0.0
 . ES 16 07 4.0 -0.1
 . 27 ANA IP 16 06 53.6 47 246 .2
 . 27 RAT IP 16 06 54.6 66 271 -0.2
 .

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 . 27 16 41 48.06 51.26 N 178.88 E DEPTH = 35.8 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
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 . 27 ASB IP D 16 41 55.5 98.4 .1 3.74 28 67 .1
 . IS 16 42 .4 -0.3
 . 27 AND IP D 16 41 56.1 34 9 .1
 . 27 ASD IP D 16 41 56.2 35 66 .0
 . 27 ANA IP D 16 41 57.3 43 340 .2
 . 27 RAT IP D 16 42 .5 338.8 .2 4.20 71 328 -0.3
 . 27 SSI IP D 16 42 2.9 86 35 .0
 . 27 AMA IP C 16 42 10.1 140 88 -0.0
 . 27 ADK EP 16 42 32.4 315 76 .7
 . ES 16 43 6.6 3.1
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 . 27 AMA IP D 17 44 17.1 86.5 .1 3.44
 . IS 17 44 19.8

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASD	IP C	17 44 30.1	4.3	.1	2.77				
27	SSI	EP	17 44 30.8							
27	ASB	IP	17 44 31.1	8.5	.1	3.08				
		ES	17 44 44.9							
.....										
27	17 58 36.90	15.50 S 167.22 E DEPTH = 40.0 KM MB = 6.0 MS = 7.1 TELESEISMIC SOLUTION NEW HEBRIDES ISLANDS								
27	ADK	EP	18 09 36.6				7622	11		
.....										
27	19 25 58.24	52.19 N 178.49 E DEPTH = 125.8 KM RAT ISLANDS, ALEUTIAN ISLANDS								
.....										
27	ANA	IP	19 26 17.4				64	169	.0	
		ES	19 26 31.3						-.0	
27	AND	IP	19 26 18.1				77	155	-.1	
27	ASB	IP	19 26 20.4	3.4	.1	2.79	106	150	-.1	
27	ASD	EP	19 26 20.6	3.6	.1	2.82	107	146	.1	
.....										
27	ADK	EP	20 31 11.5							
		ES	20 11 24.2							
27	AMA	IP D	21 26 14.7							
27	SSI	IP D	21 26 20.9	42.1	.1					
27	ASD	IP C	21 26 25.2	240.5	.2	4.29				
27	ASB	EP	21 26 25.8							
		ES	21 26 42.3							
27	AND	EP	21 26 30.0							
27	RAT	EP	21 26 30.7							
27	ANA	EP D	21 26 33.2							
27	ADK	EP	21 26 37.2							
		ES	21 26 56.8							
.....										
27	21 49 18.50	18.37 N 100.29 W DEPTH = 72.0 KM MB = 5.1 GUERRERO, MEXICO								
.....										
27	ADK	EP	22 00 6.6				7495	319		
.....										
28	AMA	IP D	01 23 43.4	134.1	.1					
28	SSI	IP D	01 23 55.8	73.1	.1					
28	ASD	EP	01 23 56.0							
28	ASB	EP	01 23 57.3							
		I(S)	01 24 10.5							
28	ANA	I(P)	01 24 3.1							
28	ADK	EP	04 24 42.5							
		ES	04 24 50.2							
.....										
28	4 47 40.42	50.35 N 179.03 E DEPTH = 122.9 KM RAT ISLANDS, ALEUTIAN ISLANDS								
.....										
28	ASB	IP C	04 48 3.0	20.2	.1	3.57	113	8	-.0	
		ES	04 48 19.5						.0	
28	ASD	EP	04 48 3.4	14.7	.1	3.44	118	11	-.0	
28	AND	EP	04 48 5.1				135	358	.1	
28	ANA	EP	04 48 5.9				144	350	-.0	
28	SSI	EP	04 48 9.2	31.0	.1	3.85	176	13	-.0	
28	ADK	EP	04 48 33.2				344	59	4.7	
		ES	04 49 12.2						8.5	
.....										
28	ADK	IP	08 04 7.1							

POORLY DEFINED
P.

OCT 1971	STA	PHASE	TIME (GNT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		ES	08 04 29.0							
--	--	----	------------	--	--	--	--	--	--	--

28	ASB	IP C	09 34 4.0	18.9	.1	3.50				
		IS	09 34 20.5							
28	ASD	IP	09 34 4.5	5.2	.1	2.94				
28	ASC	EP	09 34 6.1							
28	SSI	IP C	09 34 12.9	26.6	.1					
28	ADK	EP	09 54 39.9							
		ES	08 04 52.0							

28	11 38 59.36	51.03 N 179.20 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

28	ASB	IP D	11 39 6.7	26.2	.1	3.16	37	5	.0
28	ASD	IP D	11 39 7.3	18.8	.1	3.05	41	14	.0
28	AND	IP D	11 39 10.2				62	344	.0
28	ANA	IP C	11 39 12.3				76	331	-.0
28	SSI	EP	11 39 15.8				100	16	-.0

28	ADK	EP	14 06 37.6						
		ES	14 06 49.5						

28	15 13 37.80	5.48 S 153.90 E	DEPTH = 120.0 KM MB = 5.7	TELESEISMIC SOLUTION
		NEW IRELAND REGION		

28	ADK	EP	15 23 50.4				6940	20	
		E	15 23 56.2						

28	SSI	EP	21 19 18.4	11.2	.1				
28	AMA	EP	21 19 19.4	17.6	.1				
28	ASD	EP	21 19 29.4	5.0	.1				
28	ASB	EP	21 19 30.2	5.8	.1				
28	ASC	EP	21 19 30.3						

NOT LOCAL

28	ADK	EP	21 56 45.0						
		ES	21 56 54.1						

28	AMA	IP C	22 02 16.4	57.6	.2				
28	ASD	EP	22 02 31.9	2.7	.1	2.58			
		ES	22 02 45.9						
28	SSI	IP	22 02 33.4	19.9	.1				
28	ASC	EP	22 02 34.0						

29	1 55 32.42	51.60 N 178.77 E	DEPTH = 15.4 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

29	ANA	I(P)	01 55 35.6				8	292	.2
29	AND	IP C	01 55 35.9				14	108	-.1
		IS	01 55 38.5						-.1
29	ACF	IP	01 55 36.5				18	118	-.0
29	ACC	IP	01 55 37.2				23	124	-.0
29	ACA	IP	01 55 38.0				28	118	.1
29	ASC	IP D	01 55 38.5				32	119	.0
29	ACD	IP	01 55 38.6				32	127	.1
29	RAT	IP	01 55 39.2	8.2	.1	2.61	37	306	-.1
29	ASB	IP D	01 55 40.1	17.6	.2	2.69	43	128	-.0
29	ASD	EP	01 55 40.6	3.4	.1	2.30	46	120	-.1
29	SSI	IP	01 55 43.6	4.9	.1	2.59	65	60	.1

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	2 56	29.99	50.97 N 178.41 E	DEPTH = 52.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ACE	EP	02 56 43.2				72	48	-.2	
29	ACD	IP	02 56 43.4				72	45	-.0	
29	ASB	EP	02 56 43.5	7.5	.1	2.89	73	53	-.0	
		ES	02 56 53.3						-.1	
29	ACC	IP	02 56 43.5				73	37	.0	
29	ACF	EP	02 56 43.7				74	33	.0	
29	AND	IP	02 56 43.8				76	30	-.1	
29	ANA	EP	02 56 43.9				75	13	.1	
29	ACA	IP D	02 56 43.9				76	41	.1	
29	ASC	IP C	02 56 44.1				76	44	.2	
29	ASD	IP D	02 56 44.3	4.6	.1	2.71	80	54	-.1	
29	RAT	EP	02 56 45.7				93	357	-.1	
.....										
29	3 47	16.32	51.68 N 179.74 W	DEPTH = 26.8 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	SSI	IP D	03 47 25.9	19.0	.1	3.13	52	297	.0	
29	AMA	IP C	03 47 27.2	7.6	.1	2.78	62	135	-.0	
29	ASD	EP	03 47 28.5	2.4	.1	2.33	71	244	-.1	
29	ASB	EP	03 47 29.9	4.3	.1	2.62	79	244	.2	
		ES	03 47 39.4						-.1	
29	ASC	IP	03 47 30.0				80	253	.1	
29	ACA	IP	03 47 30.3				82	255	.1	
29	AND	IP	03 47 31.4				91	262	-.2	
29	ANA	IP	03 47 34.5				111	268	.0	
29	RAT	IP C	03 47 37.9	5.2	.1	2.90	134	276	-.0	
.....										
29	ADK	EP	04 26 51.4							
		ES	04 27 3.8							
29	ADK	EP	06 10 17.4							
		ES	06 12 6.6							
29	AMA	IP D	08 09 14.1	67.3	.3					
29	AND	EP	08 09 18.9							VERY EMERGENT
29	ASC	EP	08 09 21.4							
29	ASD	EP	08 09 23.2							SMALL AMP
		ES	08 09 47.7							
29	ADK	EP	08 23 28.8							
		ES	08 23 37.7							
.....										
29	9 58	6.12	52.68 N 179.75 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	AND	EP	09 58 29.4				153	216	.1	
29	ASC	EP	09 58 29.7				155	209	.2	
29	ASD	EP	09 58 29.9	4.5	.1	2.92	157	204	.2	
29	ANA	EP	09 58 29.9				160	224	-.2	
29	AMA	IP C	09 58 30.2	9.0	.1	3.22	161	164	-.1	
29	ASB	EP	09 58 30.3	4.5	.1	2.92	162	206	-.1	
		ES	09 58 48.1						-.1	
.....										
29	10 42	38.26	51.22 N 178.74 E	DEPTH = 24.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASC	EP	10 42 46.2				40	47	.2	
29	AND	IP	10 42 46.3				41	21	.1	
29	ASD	EP	10 42 46.8	1.0	.1	1.79	46	65	-.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	10 42 52.9						-2	
29	RAT	IP D	10 42 50.3	2.5	.1	2.34	71	336	-1	
29	SSI	IP D	10 42 54.1	3.4	.1	2.59	95	38	.0	
.....										
29	13 16 36.20	60.23 N 153.47 W DEPTH = 141.0 KM MB = 4.7						TELESEISMIC SOLUTION		
SOUTHERN ALASKA										
29	ADK	EP	13 20 7.7				1707	247		
29	AMA	EP	13 20 26.5	43.2	.2		1877	249		
29	ASD	EP	13 20 32.5				1950	252		TELE
29	ASB	EP	13 20 33.3				1957	252		
29	ASC	EP	13 20 33.9				1954	252		
29	AND	EP	13 20 34.6				1958	253		
29	ANA	EP	13 20 36.1				1969	253		
29	RAT	EP	13 20 36.8				1974	254		
.....										
29	AMA	EP	15 15 35.3	39.6	.2					
29	ANA	EP	15 15 37.6							
29	AND	EP	15 15 39.4							
29	ASB	EP	15 15 41.7	4.9	.1					
		ES	15 16 16.7							
29	ASC	EP	15 15 41.7							
29	ASD	EP	15 15 42.4	3.5	.1					
29	AND	EP	16 47 5.0							
29	ASD	EP	16 47 5.2	1.8	.1	2.32				
		ES	16 47 16.3							
.....										
29	17 21 38.95	51.21 N 178.66 E DEPTH = 31.5 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ACE	EP	17 21 47.3				42	59	-1	
29	ACD	IP	17 21 47.4				41	54	.0	
29	ACC	IP	17 21 47.5				41	41	.2	
29	ACF	IP	17 21 47.6				42	33	.1	
29	AND	IP	17 21 47.7				44	28	-1	
29	ASB	EP	17 21 47.8	10.3	.1	2.83	44	67	.0	
		IS	17 21 53.8						-1	
29	ASC	IP D	17 21 47.9				45	51	.0	
29	ACA	IP	17 21 47.9				44	47	.2	
29	ANA	IP	17 21 48.2				46	0	.2	
29	ASD	EP	17 21 48.6				52	67	-1	
29	RAT	IP D	17 21 50.9	24.8	.1	3.35	70	341	-3	
29	SSI	IP D	17 21 55.6	39.9	.1	3.68	100	40	-0	
.....										
29	18 22 12.74	51.01 N 179.15 E DEPTH = 30.8 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IP D	18 22 20.9	293.1	.1	4.25	40	10	-1	
		ES	18 22 26.9						-0	
29	ASD	IP D	18 22 21.2	67.8	.1	3.65	45	18	-4	
29	ACE	IP	18 22 21.5				44	2	.0	
29	ACD	IP	18 22 22.0				47	359	.1	
29	ASC	IP D	18 22 22.4				51	1	.0	
29	ACA	IP	18 22 22.8				53	358	.1	
29	ACC	IP	18 22 22.9				54	352	.1	
29	ACF	IP	18 22 23.6				59	350	.1	
29	AND	IP D	18 22 24.1				63	348	-0	
29	ANA	IP	18 22 26.1				77	334	.1	
29	SSI	IP	18 22 29.9	77.6	.1	3.98	103	17	-0	
29	RAT	IP	18 22 29.9	32.3	.1	3.60	105	328	-3	
29	AMA	IP	18 22 33.3				126	75	.1	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	18 31	20.85	51.00 N 179.21 E	DEPTH = 24.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IP D	18 31 28.7	26.7	.1	3.19	41	3	.0	
		ES	18 31 34.4						.1	
29	ASD	IP C	18 31 29.1	17.6	.1	3.04	45	12	-.1	
29	ACE	IP	18 31 29.4				45	357	.1	
29	ACD	EP	18 31 29.9				48	354	.2	
29	ASC	IP C	18 31 30.3				52	356	.0	
29	ACA	EP	18 31 30.5				54	353	-.1	
29	ACC	IP	18 31 30.7				56	348	-.1	
29	ACF	EP	18 31 31.4				61	346	-.1	
29	AND	EP	18 31 31.9				65	344	-.3	
29	SSI	EP	18 31 37.9	9.8	.1	3.07	103	15	.1	
29	RAT	EP	18 31 38.8	3.8	.1	2.68	108	326	.2	
.....										
29	ASB	IP	20 38 5.6	8.0	.1	2.72				
		IS	20 38 11.5							
29	ASD	EP	20 38 5.9	4.5	.1	2.48				
.....										
29	22 20	33.52	52.23 N 178.13 W	DEPTH = 125.0 KM		FIXED DEPTH SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
29	AMA	EP	22 20 57.4	29.5	.1	3.75	125	213	.1	
29	SSI	EP	22 21 1.0	7.8	.1	3.23	151	257	.1	
29	ASD	EP	22 21 4.6	4.6	.1	3.06	198	243	-.2	
29	ASB	EP	22 21 5.5	5.6	.1		205	243	-.1	
		ES	22 21 29.1						.1	
29	ASC	IP	22 21 5.6				205	247	.0	
.....										
30	8 5	19.50	51.40 N 178.77 E	DEPTH = 48.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	IP D	08 05 27.6				22	35	-.1	
30	ACB	IP	08 05 27.8				23	72	.0	
30	ACF	IP	08 05 27.8				21	48	.2	
30	ACD	IP	08 05 28.0				26	83	.1	
30	ANA	IP	08 05 28.1				26	343	.1	
30	ACA	IP	08 05 28.1				26	69	.1	
30	ACE	IP	08 05 28.1				28	90	-.0	
30	ASC	IP C	08 05 28.3				28	75	.2	
30	ASB	IP C	08 05 28.5	79.9	.1	3.75	33	97	-.1	
30	ASD	IP C	08 05 29.1				40	91	-.0	
		IS	08 05 35.7						-.5	
30	RAT	IP D	08 05 30.4				54	326	-.2	
30	SSI	IP D	08 05 33.6				79	46	.1	
.....										
30	AMA	IP D	12 43 21.8							
		ES	12 43 25.4							
30	ASD	EP	12 43 36.8	7.4	.1	3.04				
30	SSI	IP	12 43 37.8							
30	ASB	IP	12 43 38.2	11.6	.1	3.26				
		ES	12 43 53.8							
30	ASC	EP	12 43 38.9							
30	AND	EP	12 43 41.3							
30	AMA	EP	13 14 4.7	8.8	.1					
30	ASD	EP	13 14 19.2	2.9	.1	2.74				
30	ASB	EP	13 14 20.0	5.6	.1	3.03				
		ES	13 14 39.5							
30	ASC	EP	13 14 21.1							

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	14 16	23.60	32.09 N	137.66 E	DEPTH = 393.0 KM MB = 5.6				TELESEISMIC SOLUTION	
			SOUTH OF HONSHU, JAPAN							
30	RAT	EP	14 22 46.0				3947	44		
30	ANA	EP	14 22 47.4				3963	45		
30	AND	EP	14 22 48.6				3980	45		
30	ASB	EP	14 22 49.4	133.3	.3		3994	45		
30	ASC	EP	14 22 49.4				3991	45		
30	ASD	EP	14 22 49.9	372.8	.5		4001	45		TELE
30	SSI	EP	14 22 52.4	51.0	.3		4033	44		
30	AMA	EP	14 22 57.6	55.7	.3		4102	46		
30	ADK	EP	14 23 9.9				4281	45		
.....										
30	15 34	10.90	50.14 N	178.85 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	EP	15 34 34.8	32.7	.2	3.40	139	12	.4	
		IS	15 34 51.4						-.1	
30	ASD	IP C	15 34 35.4	6.7	.1	3.03	144	14	.3	
30	ASC	EP	15 34 36.0				149	9	.1	
30	AND	IP	15 34 37.0				159	3	-.4	
30	AMA	IP	15 34 42.5	13.1	.2	3.14	193	48	-.0	
30	SSI	EP	15 34 43.7	28.4	.2		202	15	-.2	
30	ADK	EP	15 35 4.8				358	56	-.1	
.....										
30	17 11	8.54	51.62 N	179.55 E	DEPTH = 75.7 KM				FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EP	17 11 20.1	4.3	.1	2.61	29	210	-.1	
30	ACA	EP	17 11 20.3				33	243	-.1	
30	SSI	EP	17 11 20.3	2.3	.1	2.28	31	5	.0	
30	ASC	EP	17 11 20.4				31	238	.1	
30	ASB	IP J	17 11 20.5	5.4	.1	2.72	35	216	-.0	
		IS	17 11 29.2						-.0	
30	ACE	EP	17 11 20.5				35	228	-.0	
30	ACB	EP	17 11 20.6				36	242	.0	
30	ACD	EP	17 11 20.6				35	234	.1	
30	ACC	EP	17 11 20.7				38	248	.0	
30	ACF	EP	17 11 20.7				40	256	-.1	
30	AND	EP	17 11 20.9				41	262	-.0	
30	ANA	IP C	17 11 22.7				61	272	.3	
30	RAT	IP	17 11 24.7	4.9	.1	2.80	86	284	-.2	
.....										
30	18 37	24.31	51.41 N	178.77 E	DEPTH = 47.2 KM				FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	AND	EP	18 37 32.2				21	37	-.1	
30	ACF	EP	18 37 32.2				20	51	-.1	
30	ACB	EP	18 37 32.5				23	76	.0	
30	ACC	EP	18 37 32.6				20	67	.3	
30	ACE	EP	18 37 32.6				28	93	-.2	
30	ACA	EP	18 37 32.7				25	73	.1	
30	ACD	EP	18 37 32.7				25	86	.1	
30	ASC	IP	18 37 32.9				28	79	.1	
30	ASB	EP	18 37 33.3				33	100	-.0	
30	ASD	EP	18 37 33.9	2.0	.1	2.16	39	94	.0	
		ES	18 37 40.8						-.0	
.....										
30	SSI	EP	18 50 46.7							
30	ASD	EP	18 50 57.3	1.7	.1	2.26				
		ES	18 51 7.6							

OCT	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ASB	EP	18 50 58.0							
30	ASC	EP	18 50 58.0							
30	ASD	IP D	21 19 10.0	2.4	.1	2.10				
		ES	21 19 14.7							
30	ASB	IP	21 19 11.2	3.4	.1	2.32				
30	ASC	EP	21 19 11.9							
30	22 11 30.83		51.87 N 179.76 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EP	22 11 46.7	1.4	.1	2.25	82	230	.0	
30	ASB	EP	22 11 47.3	1.7	.1	2.35	89	231	-.1	
		ES	22 11 59.5						-.0	
30	ASC	EP	22 11 47.3				87	239	.1	
30	AND	EP	22 11 48.0				95	249	-.1	
30	22 38 .34		52.00 N 179.16 W	DEPTH = 110.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EP	22 38 23.0	3.4	.1	2.78	123	238	.1	
30	ASB	IP	22 38 23.5	4.7	.1	2.94	131	238	-.1	
		ES	22 38 40.6						.0	
30	ASC	IP	22 38 23.6				130	243	.1	
30	AND	IP	22 38 24.2				139	250	-.2	
30	ANA	IP	22 38 26.3				155	256	.1	
30	ACA	EP	23 30 46.4							
30	ASD	EP	23 30 52.3	1.8	.1	2.27				
		ES	23 31 1.9							
30	ASB	EP	23 30 53.3	1.9	.1	2.31				
30	ASC	EP	23 30 54.3							
31	2 42 27.02		51.46 N 179.75 E	DEPTH = 58.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ASD	EP	02 42 36.8				29	256	.0	
31	ASB	EP	02 42 37.3	2.2	.1	2.25	36	253	-.0	
		ES	02 42 44.8						-.0	
31	ASC	IP	02 42 37.6				40	271	-.0	
31	AND	EP	02 42 39.1				56	283	.0	
31	4 8 42.86		51.02 N 178.83 E	DEPTH = 31.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ASB	IP	04 08 52.2	11.4	.1	2.90	48	37	.0	
		ES	04 08 58.9						-.0	
31	ACE	IP	04 08 52.3				49	29	.0	
31	ACD	IP	04 08 52.6				51	25	.1	
31	ACB	IP C	04 08 52.8				53	20	-.0	
31	ASD	IP C	04 08 52.9	9.5	.1	2.86	55	40	-.2	
31	ASC	IP C	04 08 53.1				55	25	.0	
31	ACA	IP	04 08 53.2				56	21	.0	
31	ACF	IP D	04 08 53.6				58	11	.1	
31	AND	IP C	04 08 53.8				61	8	-.2	
31	ANA	EP	04 08 55.0				69	350	-.0	
31	SSI	IP	04 09 1.2	39.9	.1	3.72	111	28	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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31	4 31	32.44	51.29 N 178.74 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	AND	IP	04 31 39.3				34	26	-.1	
31	ASB	EP	04 31 39.8	1.2	.1	1.82	36	77	.1	
31	ASC	EP	04 31 40.0				36	56	.4	
		ES	04 31 44.8						-.1	
31	ASD	EP	04 31 40.4	1.7	.1	2.01	44	74	-.3	
31	SSI	EP	06 08 16.8							
31	ASD	EP	06 08 17.0	2.5	.1					
31	ASB	EP	06 08 18.6	2.8	.1					
31	ASC	EP	06 08 19.2							
		I	06 08 20.4							

31	11 48	31.64	51.03 N 179.63 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP C	11 48 39.9	4.9	.1	2.49	45	334	-.2	
31	ASB	EP	11 48 40.3	3.2	.1	2.31	45	324	.1	
31	ASC	EP	11 48 41.7				58	326	-.2	
31	AND	IP	11 48 43.8				76	322	-.7	
		ES	11 48 54.0						.1	
31	SSI	EP	11 48 47.8	3.2	.1	2.56	96	358	.2	
31	ANA	IP	11 48 48.1				95	315	.8	

31	12 10	36.65	51.79 N 179.02 W	DEPTH = 102.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	AMA	IP	12 10 52.7	3.8	.1	2.70	56	187	-.0	
		ES	12 11 4.4						-.1	
31	SSI	IP D	12 10 56.1	3.4	.1	2.73	97	278	.1	
31	ASD	EP	12 10 58.7	1.0	.1	2.23	122	250	.3	NO S.
31	ASB	EP	12 10 59.2	1.7	.1	2.49	129	249	.0	
31	AND	EP	12 10 59.4				142	261	-1.2	
31	ASC	EP	12 10 59.7				131	255	.4	
31	ANA	EP	12 11 2.9				161	265	.3	

31	12 22	6.54	51.45 N 179.83 E	DEPTH = 63.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP	12 22 17.4	2.9	.1	2.40	34	258	.2	
31	ASB	EP	12 22 17.4				42	256	-.3	
		ES	12 22 25.8						-.0	
31	ASC	EP	12 22 18.2				46	271	.1	
31	SSI	IP	12 22 18.5	5.9	.1	2.75	52	341	-.0	

31	12 34	39.48	51.61 N 177.84 E	DEPTH = 56.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	RAT	EP	12 34 49.8	23.5	.1	3.28	40	58	-.0	
31	ANA	IP	12 34 51.6				57	88	.2	
31	AND	EP	12 34 53.5				77	94	-.2	
31	ASC	EP	12 34 55.5				93	100	-.0	
31	ASB	IP C	12 34 56.5	9.7	.1	3.11	102	105	.0	
		ES	12 35 8.9						-.0	
31	ASD	IP	12 34 57.2	2.9	.1	2.60	107	103	.0	
31	SSI	IP D	12 34 59.3	26.6	.1	3.61	125	75	.0	

OCT 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
31	13	6	57.73	51.23 N	178.79 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	ASB	EP	13 07 4.8	1.3	.1	1.84	35	65	-.0	
		ES	13 07 10.0						-.0	
31	ASC	EP	13 07 5.2				37	45	.1	
31	AND	IP C	13 07 5.3				39	17	-.0	
.....										
31	17	14	17.43	51.42 N	178.77 E	DEPTH = 43.5 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	AND	IP C	17 14 25.1				20	40	.1	
31	ACF	IP D	17 14 25.1				19	54	.1	
31	ANA	IP C	17 14 25.4				24	342	.1	
31	ACB	IP C	17 14 25.4				23	79	.2	
31	ACD	EP	17 14 25.5				26	89	.0	
31	ACA	IP C	17 14 25.6				25	75	.2	
31	ACE	IP C	17 14 25.6				28	95	-.1	
31	ASC	IP C	17 14 25.7				28	81	.1	
31	ASB	IP C	17 14 26.1	33.3	.1	3.35	34	102	-.1	
		IS	17 14 32.0						-.6	
31	ASD	IP C	17 14 26.7	57.0	.1	3.61	40	95	-.1	
31	RAT	IP D	17 14 27.8	21.3	.1	3.23	51	324	-.3	
31	SSI	IP C	17 14 31.1	86.4	.1	3.95	77	47	-.1	
31	AMA	IP D	17 14 40.2	2.4	.1	2.61	148	95	.2	
.....										
31	AMA	IP	17 21 38.0	14.3	.1	3.08				
		ES	17 21 45.8							
31	ASD	EP	17 21 52.6	2.8	.1	2.74				
31	ASB	EP	17 21 53.5	6.0	.1	3.09				
		IS	17 22 14.2							
31	ASC	EP	17 21 54.6							
31	ANA	IP	20 03 16.5							
31	AND	IP C	20 03 17.5							
		ES	20 03 25.6							

OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	2 55 59.50	50.26 N	178.99 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	3 25 50.66	51.12 N	179.38 E	53.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	5 51 24.62	50.98 N	178.95 W	48.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	9 16 48.78	51.13 N	179.67 E	37.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 53 28.58	51.54 N	179.97 W	68.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	19 52 39.82	52.14 N	176.74 W	200.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
01	22 19 9.63	50.88 N	179.82 W	37.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	0 27 1.88	50.96 N	179.24 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	1 42 22.60	51.03 N	179.34 E	19.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	3 3 34.17	51.37 N	179.75 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 21 54.45	51.40 N	179.80 E	60.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 20 12.11	51.30 N	180.00 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	15 27 28.51	51.44 N	178.83 E	45.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	20 0 8.27	51.44 N	178.63 E	35.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	0 19 5.37	51.31 N	179.84 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	0 36 43.83	51.75 N	179.60 E	137.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	1 5 54.38	51.29 N	178.38 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	2 10 17.59	51.10 N	178.54 E	35.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 21 8.37	51.06 N	179.70 E	30.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 26 47.21	50.95 N	178.73 E	26.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 49 23.39	51.55 N	178.78 E	22.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	6 59 11.42	51.59 N	179.03 E	78.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	8 36 4.80	6.61 S	155.00 E	58.0 T	5.9		SOLOMON ISLANDS
03	11 35 26.60	51.15 N	178.61 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 24 37.00	14.70 S	171.67 E	10.0 T	5.7	6.4	NEW HEBRIDES ISLANDS REGION
03	18 11 59.73	51.27 N	178.21 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 15 2.40	51.26 N	178.27 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	22 52 .33	51.85 N	178.68 E	114.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	23 17 26.40	51.76 N	173.34 W	31.0 T	4.3		ANDREANOF ISLANDS, ALEUTIAN IS.
04	0 33 7.41	50.21 N	178.01 E	156.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	0 38 33.19	51.21 N	178.66 E	33.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
04	1 30 34.10	5.85 S	154.18 E	74.0 T	5.7		SOLOMON ISLANDS
04	2 40 38.71	51.82 N	177.97 E	135.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	5 5 16.91	51.52 N	178.40 E	62.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	6 18 4.21	51.54 N	178.74 E	51.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	8 35 53.02	51.14 N	178.42 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	11 6 7.90	21.79 N	143.96 E	124.0 T	5.2		MARIANA ISLANDS REGION
04	13 29 20.42	51.11 N	178.73 E	28.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	13 48 24.94	51.18 N	178.62 E	32.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	17 43 13.65	52.27 N	179.57 E	150.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	18 48 20.60	52.97 N	167.25 W	46.0 T	3.8		FOX ISLANDS, ALEUTIAN ISLANDS
04	20 0 6.41	51.73 N	178.46 E	87.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	0 9 7.00	51.95 N	172.74 E	18.0 T	4.5		RAT ISLANDS, ALEUTIAN ISLANDS
05	0 46 26.81	51.11 N	179.29 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	1 40 7.90	52.45 N	170.46 W	50.0 T	4.5		FOX ISLANDS, ALEUTIAN ISLANDS
05	6 47 12.07	52.23 N	179.56 E	198.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	8 57 46.95	51.83 N	177.18 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	12 54 55.69	51.63 N	177.80 E	65.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	13 1 17.06	51.52 N	179.03 E	64.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	17 11 39.16	52.38 N	179.86 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 32 45.05	52.22 N	178.42 E	132.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	22 9 6.90	47.60 N	146.42 E	400.0 T	4.9		NORTHWEST OF KURIL ISLANDS
06	3 48 53.70	20.26 S	177.97 W	540.0 T	4.6		FIJI ISLANDS REGION
06	5 7 33.27	51.41 N	178.77 E	45.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	7 15 41.70	20.65 S	178.45 W	625.0 T	4.9		FIJI ISLANDS REGION
06	7 27 10.00	20.50 S	178.93 W	635.0 T	4.3		FIJI ISLANDS REGION
06	9 51 51.72	51.76 N	179.97 E	38.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	11 37 54.88	52.04 N	178.09 E	144.3 F	4.9		RAT ISLANDS, ALEUTIAN ISLANDS
06	17 12 19.77	52.41 N	178.45 E	131.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	17 28 14.96	51.26 N	178.56 E	31.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	18 7 12.31	51.75 N	179.89 W	103.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	21 33 33.56	50.18 N	178.72 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

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OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
06	22 6 38.61	51.47 N	178.18 E	58.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	22 45 17.47	51.12 N	179.21 E	27.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	23 36 13.46	51.85 N	178.32 E	135.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 4 42.89	51.57 N	179.40 E	78.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	5 10 8.74	51.85 N	178.23 E	93.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	9 50 20.81	51.10 N	178.44 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	0 26 30.62	51.10 N	179.08 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	0 46 44.06	52.00 N	179.34 E	180.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	3 50 12.90	25.96 S	177.25 W	92.0 T	4.8		SOUTH OF FIJI ISLANDS
08	16 4 45.40	18.00 S	178.32 W	548.0 T	5.7		FIJI ISLANDS REGION
08	16 53 30.72	51.67 N	178.26 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	18 33 8.45	51.14 N	178.35 W	34.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	0 30 11.31	49.97 N	179.64 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	1 37 19.77	51.54 N	179.43 E	85.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	3 14 33.10	51.37 N	177.75 W	65.0 T	3.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
09	6 2 57.10	50.00 N	77.67 E	0.0 T	5.4		EASTERN KAZAKH SSR
09	9 4 34.88	51.24 N	179.86 W	38.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	12 7 17.83	50.00 N	179.47 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	14 49 3.43	51.20 N	179.70 W	45.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	16 15 21.04	51.52 N	178.74 E	16.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	19 18 6.36	51.41 N	178.79 E	46.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	19 59 48.15	51.00 N	179.21 E	35.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	20 38 59.12	51.27 N	179.93 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	21 33 51.95	50.08 N	177.38 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 9 12.93	51.56 N	178.81 E	20.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	23 58 8.95	51.68 N	178.87 E	68.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	3 11 38.75	51.22 N	178.02 E	16.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	3 50 12.95	52.39 N	178.65 E	104.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	3 51 53.86	51.17 N	177.93 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	4 7 51.57	51.24 N	178.06 E	25.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	5 25 57.80	51.41 N	178.77 E	48.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
10	8 42 48.76	51.39 N	179.96 W	22.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	9 17 21.04	51.20 N	179.55 E	33.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	10 14 1.70	51.02 N	178.46 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	10 33 56.39	51.21 N	178.80 E	28.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	14 31 13.62	51.37 N	179.86 E	11.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 17 1.69	51.35 N	179.76 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 23 57.72	51.10 N	179.22 E	35.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	19 18 14.67	52.27 N	177.65 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	5 46 49.89	52.26 N	176.29 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	6 5 41.28	51.47 N	179.25 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	8 10 51.79	52.18 N	179.61 E	177.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	13 51 43.08	50.13 N	178.99 E	26.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	14 47 3.68	52.07 N	178.35 E	136.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	16 44 9.00	51.09 N	179.93 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	17 49 11.59	51.55 N	179.58 W	71.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	18 16 32.14	50.09 N	178.72 E	25.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	18 18 58.61	50.94 N	179.29 E	36.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	20 32 28.80	50.91 N	179.34 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 58 42.26	50.95 N	179.29 E	36.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	6 4 36.50	51.17 N	179.06 E	41.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	6 9 21.06	52.14 N	179.47 E	143.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	7 52 40.94	51.38 N	179.57 W	34.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	8 34 48.72	51.97 N	178.63 E	132.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	9 44 59.30	15.84 N	91.17 W	36.0 T	5.7	5.7	MEXICO-GUATEMALA BORDER REGION
12	10 20 43.65	51.08 N	179.49 W	32.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	11 5 8.06	51.00 N	179.30 E	38.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	12 29 2.79	51.44 N	179.51 E	60.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 0 12.45	50.99 N	179.35 E	36.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 2 5.41	50.91 N	179.30 E	29.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 3 9.49	50.96 N	179.37 E	27.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 6 38.22	50.90 N	179.28 E	35.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

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OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
12	13 27 8.45	50.91 N	179.32 E	32.1 F	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
12	13 46 34.95	50.90 N	179.34 E	22.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	14 8 25.22	51.24 N	177.50 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	15 27 49.12	51.19 N	178.46 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	16 16 54.07	51.57 N	179.78 W	78.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	16 45 35.10	52.67 N	174.15 E	29.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
12	17 8 26.24	50.94 N	179.33 E	27.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	19 39 7.95	51.20 N	178.74 E	39.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	21 3 10.32	51.13 N	179.95 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	0 46 51.62	51.74 N	177.91 E	60.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	1 51 57.47	50.97 N	179.26 E	31.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	14 1 46.86	51.62 N	179.50 W	109.0 F	5.3		DELAROF ISLANDS, ALEUTIAN ISLANDS
14	9 39 53.85	51.43 N	178.82 E	44.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	15 6 8.60	50.95 N	179.31 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	21 7 41.80	52.47 N	169.48 W	42.0 T	4.5		FOX ISLANDS, ALEUTIAN ISLANDS
14	23 13 20.05	50.05 N	178.91 E	11.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 41 26.11	51.33 N	179.06 E	53.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	1 43 51.20	51.21 N	178.98 E	38.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	12 56 31.45	51.81 N	178.53 E	92.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	14 51 48.30	51.89 N	176.23 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	18 26 12.80	50.45 N	176.69 W	16.0 T	4.9		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	5 15 25.00	5.98 S	154.48 E	76.0 T	5.7		SOLOMON ISLANDS
16	11 28 30.02	49.67 N	178.21 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	14 5 58.48	51.59 N	178.81 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	16 25 14.32	51.81 N	179.85 W	100.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	21 4 32.11	50.87 N	179.83 W	29.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	22 46 24.23	51.21 N	178.01 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	22 48 6.15	51.21 N	178.02 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	8 38 58.56	51.07 N	179.86 E	49.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	9 15 25.96	51.39 N	179.20 E	38.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	13 42 39.11	50.89 N	179.33 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
17	13 43 24.67	50.91 N	179.35 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	13 49 3.32	51.16 N	179.41 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	15 56 38.90	50.21 N	178.53 E	18.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 26 30.01	50.94 N	178.34 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 42 45.70	51.82 N	178.92 E	71.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 46 21.83	51.13 N	179.38 E	39.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	23 4 51.31	51.97 N	179.29 E	157.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	1 8 5.42	51.61 N	179.29 E	75.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 45 4.70	50.93 N	179.45 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 45 14.30	30.41 S	179.72 W	364.0 T	5.1		KERMADEC ISLANDS REGION
18	4 25 37.31	51.79 N	178.89 E	24.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	10 52 11.85	51.96 N	178.47 E	121.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	16 15 32.40	51.48 N	178.12 E	57.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	5 30 15.71	52.04 N	178.07 E	139.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	7 57 14.41	51.07 N	179.79 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	9 44 22.63	51.12 N	178.99 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	11 2 37.70	52.66 N	166.97 W	22.0 T	5.6		FOX ISLANDS, ALEUTIAN ISLANDS
19	12 8 44.10	51.24 N	179.12 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	13 31 12.60	19.55 S	177.47 W	537.0 T	4.4		FIJI ISLANDS REGION
19	13 45 50.00	52.02 N	175.91 E	58.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
19	14 6 46.66	51.70 N	179.63 W	94.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	17 4 44.20	51.81 N	179.87 E	95.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	17 33 13.02	51.09 N	179.21 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	22 2 31.40	51.46 N	179.27 W	62.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	9 3 53.44	51.08 N	179.82 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	9 15 48.37	50.91 N	179.12 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 47 9.40	50.86 N	179.75 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	21 9 15.45	51.04 N	179.04 E	29.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	1 59 10.81	51.47 N	178.92 E	60.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 23 51.87	51.68 N	178.90 E	20.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	15 26 1.13	51.23 N	178.69 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

OCT HYPOCENTER SUMMARY

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OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
22	7 1 7.75	51.11 N	179.35 E	28.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	7 25 58.58	52.42 N	179.96 E	222.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	10 2 46.50	51.30 N	178.82 W	91.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	10 47 2.59	51.53 N	179.61 W	70.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	11 23 34.24	50.26 N	178.71 E	27.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	11 57 12.15	51.41 N	179.36 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	23 46 31.96	52.11 N	179.73 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	2 15 5.71	51.08 N	179.33 E	37.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	2 30 4.32	51.09 N	179.33 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	3 55 2.25	51.04 N	179.32 E	31.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	4 50 3.24	51.56 N	179.39 E	18.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	5 40 4.82	51.11 N	179.29 E	31.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	5 49 36.01	50.76 N	178.30 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	6 1 19.70	51.08 N	179.01 E	31.0 T	3.8		RAT ISLANDS, ALEUTIAN ISLANDS
23	6 7 24.84	51.12 N	179.27 E	31.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	8 4 7.75	51.14 N	179.11 E	32.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	12 22 43.38	50.91 N	179.49 E	47.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	14 20 7.35	51.39 N	178.76 E	41.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	22 33 30.90	11.83 N	142.48 E	28.0 T	5.9	6.3	SOUTH OF MARIANA ISLANDS
23	22 54 24.22	51.26 N	178.97 E	32.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	1 36 56.00	11.86 N	142.40 E	44.0 T	5.2		SOUTH OF MARIANA ISLANDS
24	1 37 30.40	11.88 N	142.32 E	33.0 T	6.0	6.4	SOUTH OF MARIANA ISLANDS
24	2 21 2.30	11.85 N	142.28 E	33.0 T	6.2	6.0	SOUTH OF MARIANA ISLANDS
24	5 43 41.34	51.43 N	179.74 W	46.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	14 21 2.00	15.14 S	173.89 W	66.0 T	5.6		TONGA ISLANDS
24	16 7 57.61	51.52 N	179.97 W	79.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	16 45 33.46	51.23 N	179.90 E	53.8 F	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
24	17 50 28.91	50.96 N	178.54 E	31.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	20 23 29.21	51.23 N	179.96 W	39.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	22 23 22.60	52.68 N	175.98 W	200.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	0 9 29.80	29.96 N	137.07 E	508.0 T	5.3		SOUTH OF HONSHU, JAPAN

OCT HYPOCENTER SUMMARY

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OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
25	1 58 39.87	51.52 N	179.65 E	89.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 22 15.37	50.91 N	179.83 W	12.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	3 49 51.81	50.96 N	179.86 W	5.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	3 46 36.30	13.09 S	166.45 E	34.0 T	5.5	6.2	NEW HEBRIDES ISLANDS
25	15 35 47.13	51.10 N	179.23 E	26.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	0 36 57.90	51.96 N	175.20 W	60.0 T	4.7		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	10 44 32.95	52.14 N	178.19 E	150.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 35 27.37	51.66 N	179.92 E	69.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 42 38.82	52.15 N	179.49 E	191.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	10 23 46.65	51.20 N	178.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	12 47 25.35	52.33 N	179.81 W	149.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	16 6 39.12	51.80 N	179.28 E	90.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	16 41 48.06	51.26 N	178.88 E	35.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 58 36.90	15.50 S	167.22 E	40.0 T	6.0	7.1	NEW HEBRIDES ISLANDS
27	19 25 58.24	52.19 N	178.49 E	125.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 49 18.50	18.37 N	100.29 W	72.0 T	5.1		GUERRERO, MEXICO
28	4 47 40.42	50.35 N	179.03 E	122.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	11 38 59.36	51.03 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	15 13 37.80	5.48 S	153.90 E	120.0 T	5.7		NEW IRELAND REGION
29	1 55 32.42	51.60 N	178.77 E	15.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 56 29.99	50.97 N	178.41 E	52.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	3 47 16.32	51.68 N	179.74 W	26.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	9 58 6.12	52.68 N	179.75 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	10 42 38.26	51.22 N	178.74 E	24.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 16 36.20	60.23 N	153.47 W	141.0 T	4.7		SOUTHERN ALASKA
29	17 21 38.95	51.21 N	178.66 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	18 22 12.74	51.01 N	179.15 E	30.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	18 31 20.85	51.00 N	179.21 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	22 20 33.52	52.23 N	178.13 W	125.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	8 5 19.50	51.40 N	178.77 E	48.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	14 16 23.60	32.09 N	137.66 E	393.0 T	5.6		SOUTH OF HONSHU, JAPAN

OCT 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	15 34 10.90	50.14 N	178.85 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	17 11 8.54	51.62 N	179.55 E	75.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	18 37 24.31	51.41 N	178.77 E	47.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	22 11 30.83	51.87 N	179.76 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	22 38 .34	52.00 N	179.16 W	110.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	2 42 27.02	51.46 N	179.75 E	58.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	4 8 42.86	51.02 N	178.83 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	4 31 32.44	51.29 N	178.74 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	11 48 31.64	51.03 N	179.63 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	12 10 36.55	51.79 N	179.02 W	102.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	12 22 6.54	51.45 N	179.83 E	63.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	12 34 39.48	51.61 N	177.84 E	56.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	13 6 57.73	51.23 N	178.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	17 14 17.43	51.42 N	178.77 E	43.5 F			RAT ISLANDS, ALEUTIAN ISLANDS

* F = FREE DEPTH SOLUTION
D = FIXED DEPTH SOLUTION
T = TELESEISMIC SOLUTION

SEISMICITY FIGURES

ALEUTIAN EARTHQUAKES WHICH WERE LOCATED DURING THE MONTH BY THE ALEUTIAN SEISMIC NETWORK AND BY THE WORLD NETWORK OF SEISMOLOGICAL STATIONS REPORTING TO THE ENVIRONMENTAL RESEARCH LABORATORIES (ERL) ARE PLOTTED ON SIX FIGURES COVERING THE ALEUTIAN ISLANDS FROM THE NEAR ISLANDS TO UNIMAK ISLAND (170 DEGREES EAST LONGITUDE TO 160 DEGREES WEST LONGITUDE). THE TRANSVERSE MERCATOR PROJECTION, IN WHICH AREAL DISTORTION IS SMALL AND BEARINGS REMAIN TRUE, WAS EMPLOYED.

EPICENTERS WERE PLOTTED AUTOMATICALLY BY A FLAT-BED INCREMENTAL PLOTTER TO PRODUCE PLATES WHICH WERE USED TO PRODUCE THE FIGURES. EACH PLOTTED SYMBOL, CENTERED UPON THE EPICENTRAL COORDINATES, REPRESENTS ONE EARTHQUAKE. THE TYPE OF SYMBOL DENOTES THE DEPTH-OF-FOCUS CLASS OF THE SEISMIC EVENT. THE BODY-WAVE MAGNITUDE (MB) IS INDICATED BY THE SYMBOL SIZE, WHICH VARIES CONTINUOUSLY ACCORDING TO THE RELATIONSHIP

$$\text{SYMBOL SIZE (INCHES)} = .07 + (\text{MB} - 2.5) \times .10$$

EVENTS WHOSE MAGNITUDES ARE UNDETERMINED OR LESS THAN 2.5 ARE PLOTTED AS .07 INCH SYMBOLS. A LEGEND BLOCK DEPICTING THE FIVE DEPTH-OF-FOCUS CLASSES AND A RANGE OF MAGNITUDES IS PROVIDED ON THE FIRST FIGURE.

170.0 171.0 172.0 173.0 174.0 175.0
 55.0+ 55.0+

54.5+ 54.5

54.0+ 54.0

53.5+ 53.5

53.0+ 53.0

52.5+ 52.5

52.0+ 52.0

51.5+ 170.0 171.0 172.0 173.0 174.0 51.5 175.0

DEPTH OF FOCUS (km)

0-50

50-100

100-150

150-200

200-250

$m_B = 3.0$

*

□

x

◇

+

$m_B = 4.0$

✱

□

×

◇

+

$m_B = 5.0$

✱

□

×

◇

+

$m_B = 6.0$

✱

□

×

◇

+

$m_B = 7.0$

✱

□

×

◇

+

55.0 ⁺	-175.0	-174.0 ⁺	-173.0 ⁺	-172.0 ⁺	-171.0 ⁺	-170.0 ⁺	55.0 ⁺
54.5 ⁺							54.5 ⁺
54.0 ⁺							54.0 ⁺
53.5 ⁺							53.5 ⁺
53.0 ⁺							53.0 ⁺
52.5 ⁺							52.5 ⁺
52.0 ⁺							52.0 ⁺
51.5 ⁺							51.5 ⁺
51.0 ⁺							51.0 ⁺
50.5 ⁺							50.5 ⁺
50.0 ⁺	-175.0	-174.0 ⁺	-173.0 ⁺	-172.0 ⁺	-171.0 ⁺	-170.0 ⁺	50.0 ⁺

55.0+ -170.0

-169.0

-168.0
+

-167.0
+

-166.0
+

-165.0
+55.0

54.5+

+54.5

54.0+

+54.0

53.5

+53.5

53.0+

+53.0

52.5+

+52.5

52.0+

+52.0

51.5+

51.5

51.04

+51.0

50.5+

+50.5

50.0
-170.0

-169.0

**+
-168.0**

*
-167.0

-166.0**

+50.0
-165.0

55.0 ⁺	-165.0	-164.0 ⁺	-163.0 ⁺	-162.0 ⁺	-161.0 ⁺	-160.0 ⁺ 55.0
54.5 ⁺						54.5 ⁺
54.0 ⁺						54.0 ⁺
53.5 ⁺						53.5 ⁺
53.0 ⁺						53.0 ⁺
52.5 ⁺						52.5 ⁺
52.0 ⁺						52.0 ⁺
51.5 ⁺						51.5 ⁺
51.0 ⁺						51.0 ⁺
50.5 ⁺						50.5 ⁺
50.0 ⁺	-165.0	-164.0 ⁺	-163.0 ⁺	-162.0 ⁺	-161.0 ⁺	50.0 ⁺ -160.0