MASTER

CGS-746-119

**ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
APRIL 1971**

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

FEBRUARY 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)
 REMAPKS- 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)
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	51 37 39.8 N	178 39 22.7 E	177
		25/09/69-05/11/69	51 37 34.9 N	178 39 41.8 E	133
		05/11/69-16/07/70	51 37 39.8 N	178 39 22.7 E	177
		16/07/70-	51 37 34.9 N	178 39 41.8 E	133
ANP	AMCHITKA NORTH P	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
ASR	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	51 27 44.9 N	179 09 53.9 E	40
		25/09/69-13/07/70	51 27 41.9 N	179 07 29.9 E	36
		13/07/70-	51 27 44.9 N	179 09 53.9 E	40
ASD	AMCHITKA SOUTH D	29/05/69-06/06/69	51 22 36.0 N	179 20 30.0 E	
		06/06/69-	51 23 26.9 N	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-	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
LSI	LITTLE SITKIN ISLAND	16/08/69-18/09/69	51 55 10.8 N	178 32 01.8 E	145
OR3	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
OR5	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
OR6	OCEAN BOTTOM SEIS 6	26/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
OR8	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
SMY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMITSOPOCHNOI ISLAND	13/08/69-04/11/69	51 54 52.2 N	179 37 26.4 E	335
		17/10/70-	51 53 32.8 N	179 35 17.9 E	177

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	3 19	3.32	51.91 N 178.73 W	DEPTH = 119.0 KM		MB = 3.7	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	SST	IP	03 19 25.8	53.2	.1	3.99	116	269	.0	
		IS	03 19 42.2						.0	
01	ADK	EP	03 19 28.0				140	91	-.2	
		ES	03 19 45.9						-.4	
01	ASD	IP	03 19 28.7	22.7	.1	3.66	145	247	.0	
01	ASR	IP	03 19 29.4	29.8	.1	3.80	153	247	-.0	
		ES	03 19 48.3						-.2	
01	ASC	EP	03 19 29.7				154	252	.2	
01	ANA	IP	03 19 32.9				183	261	.3	
01	RAT	IP	03 19 34.4				203	268	-.4	
		IS	03 19 58.0						.2	

01	4 6	37.80	51.39 N 178.27 W	DEPTH = 53.0 KM		MB = 4.2	TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ADK	IP	04 06 57.5				123	63	.2	ML4.3 01.2 SW
		ES	04 07 13.2						1.7	
01	ASD	IP	04 07 1.8				166	271	-.8	
01	SST	IP	04 07 2.7				158	292	1.0	
01	ASR	EP	04 07 2.9				173	270	-.5	UNCERTAIN S.
		ES	04 07 24.0						1.9	
01	ASC	EP	04 07 4.3				178	274	.2	
01	ANA	EP	04 07 9.2				214	278	.7	
01	RAT	EP	04 07 13.0				240	282	1.3	
		F	04 07 43.2							

01	4 51	19.65	51.07 N 177.93 W	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION				
ANDREANOF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EP	04 51 47.3	6.3	.1	3.13	193	282	-.5	
		ES	04 52 8.3						-.0	
01	SST	IP	04 51 47.8				195	299	-.2	
01	ASR	EP	04 51 48.6				199	281	.1	
01	ASC	EP	04 51 49.6				207	283	.1	
01	RAT	IP	04 51 57.9				272	289	.4	

01	6 12	37.44	51.37 N 179.31 E	DEPTH = 58.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	06 12 46.3	3.2	.1	2.35	4	40	.0	
01	ASR	EP	06 12 46.3				4	263	.0	
		IS	06 12 52.6						-.1	
01	ASC	IP	06 12 46.6				15	318	.1	
01	SST	IP	06 12 50.0	9.8	.1	2.99	62	18	-.1	
		ES	06 12 59.4						.1	
01	RAT	EP	06 12 52.4				83	306	-.0	

1	7 39	29.70	60.09 N 149.24 W	DEPTH = 16.0 KM		MB = 4.3	TELESEISMIC SOLUTION			
KENAI PENINSULA, ALASKA										

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	7 48	47.55	51.07 N 179.17 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	07 49 4.5	4.5	.2	2.48	110	289	-.9	
		ES	07 49 17.9						-.5	
01	ASC	EP	07 49 6.7				124	291	-.4	
01	ASB	EP	07 49 6.8	6.5	.2	2.66	115	287	.8	
01	SSI	IP	07 49 6.8	47.9	.2	3.56	125	317	-.5	
		ES	07 49 22.2						.4	
01	RAT	EP	07 49 16.7				191	296	1.3	
.....										
01	8 29	57.02	51.76 N 179.21 E	DEPTH = 94.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	SSI	IP	08 30 10.9				30	61	.0	
01	ASC	IP	08 30 11.2				34	185	.2	
01	ASD	IP	08 30 11.4	10.2	.1	3.08	42	167	-.1	
		ES	08 30 22.0						-.1	
01	ASB	IP	08 30 11.6				45	176	-.0	
01	ANA	IP	08 30 11.6				41	248	.2	
01	RAT	IP	08 30 12.5	26.2	.1	3.52	61	274	-.2	
.....										
01	ADK	EP	10 06 37.2							
		ES	10 06 45.1							
.....										
01	13 31	22.00	51.06 N 178.17 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
01	ADK	EP	13 31 43.9				138	48	-.2	
		ES	13 31 59.6						-.5	
01	ASD	EP	13 31 47.5				177	283	-1.4	
		IS	13 32 8.4						-.1	
01	SSI	IP	13 31 48.7	24.4	.1	3.69	181	302	-.6	
01	ASB	EP	13 31 49.4				183	281	-.2	
01	ASC	EP	13 31 50.6				191	285	.0	
		IS	13 32 11.8						.4	
01	RAT	EP	13 31 58.6				256	290	-.0	
.....										
01	13 42	4.72	51.10 N 179.42 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EP	13 42 19.8	1.7	.1	2.31	93	291	-.7	
01	ASB	EP	13 42 20.7				98	288	-.4	
		ES	13 42 32.4						-.7	
01	ASC	EP	13 42 22.2				107	293	-.0	
.....										
01	15 24	3.83	51.64 N 179.70 W	DEPTH = 45.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP D	15 24 17.0	3.9	.1	2.59	72	247	.0	
		ES	15 24 26.6						.0	
01	ASB	EP	15 24 17.9				79	247	.0	
01	ASC	EP	15 24 18.1				81	256	.0	
.....										
01	SSI	IP	16 49 11.3							
		ES	16 49 29.5							
01	ASD	IP	16 49 12.9	4.3	.1	2.89				
		IS	16 49 30.8							
01	ASB	EP	16 49 13.2							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	ASC	EP	16 49 14.4							
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1	17 16 17.20	60.29 N 153.04 W	DEPTH = 111.0 KM	MB = 4.4	TELESEISMIC SOLUTION
		SOUTHERN ALASKA			

01	ADK	EP D	19 09 2.6							
		ES	19 09 13.1							
01	ASD	EP	19 09 16.0							
01	SSI	IP	19 09 16.7							
01	ASB	EP	19 09 17.9							
		ES	19 09 43.8							
01	ASC	EP	19 09 18.2							
01	ANA	EP	19 09 24.0							
01	RAT	IP	19 09 25.7							
		ES	19 09 59.9							

01	19 38 18.80	29.84 S 179.26 W	DEPTH = 214.0 KM	MB = 5.3	TELESEISMIC SOLUTION
		KERMADEC ISLANDS REGION			

01	ADK	EP D	19 50 12.9			9052	2			
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01	20 49 39.74	51.81 N 179.94 W	DEPTH = 108.0 KM		FREE DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS			

01	SSI	IP	20 49 55.3			33	285	-0.0		
01	ASD	IP	20 49 57.2	60.3	.1	3.94	68	227	-0.1	
01	ASB	IP	20 49 57.8	83.2	.1	4.09	75	228	-0.0	
		ES	20 50 11.0						-0.0	
01	ASC	IP	20 49 57.8				73	238	.2	
01	ANA	IP	20 49 59.7				99	258	-0.0	

02	2 40 14.90	25.82 S 177.41 W	DEPTH = 193.0 KM	MB = 4.6	TELESEISMIC SOLUTION
		SOUTH OF FIJI ISLANDS			

02	ADK	EP	02 51 49.1			8602	0			
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02	7 19 20.48	51.25 N 177.80 W	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS			

02	SSI	IP	07 19 48.7			194	293	-0.1		
02	ASD	IP	07 19 49.3	4.1	.1	2.95	200	276	-0.1	
		ES	07 20 10.6						.1	
02	ASB	EP	07 19 50.3				206	275	.1	
		ES	07 20 11.7						-0.1	
02	ANA	EP	07 19 55.2				249	281	-0.3	
02	RAT	IP	07 19 59.0				275	284	.3	
		I(S)	07 20 28.9						2.3	

02	14 35 13.55	51.97 N 179.36 W	DEPTH = 115.6 KM		FREE DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS			

02	SSI	IP	14 35 32.2	31.7	.1	3.68	73	263	.0	
02	ASD	IP	14 35 35.0	16.2	.1	3.46	111	235	-0.3	
02	ASB	IP	14 35 36.0				118	235	.0	
		ES	14 35 52.3						-0.0	
02	ASC	IP	14 35 36.1				117	242	.3	
02	ANA	IP	14 35 38.5				142	255	.2	
02	RAT	EP	14 35 40.0				160	264	-0.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
2	14 50 49.80		61.44 N 150.09 W	DEPTH = 47.0 KM		TELESEISMIC SOLUTION				
SOUTHERN ALASKA										
.....										
02	14 57 18.25		51.75 N 179.85 W	DEPTH = 93.8 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	SSI	IP C	14 57 32.6				42	293	.0	
02	ASD	IP	14 57 34.3	34.4	.1	3.65	69	235	-.1	
02	ASB	IP	14 57 34.9	36.7	.1	3.70	75	236	-.2	
		ES	14 57 47.3						-.0	
02	ASC	IP	14 57 35.2				75	245	.2	
02	ANA	IP	14 57 38.0				104	263	.4	
02	RAT	IP C	14 57 39.6				126	273	-.3	
		IS	14 57 55.6						-.0	
.....										
02	PAT	IP	15 41 52.1	34.8	.1					
		FS	15 42 26.2							
02	ANA	IP	15 41 54.9							
02	ASC	EP	15 41 58.5							
02	ASB	EP	15 41 58.6	5.7	.1					
		ES	15 42 36.5							
02	ASD	EP	15 41 59.5							
02	SST	IP	15 42 3.7							
.....										
02	17 11 38.40		51.41 N 179.88 W	DEPTH = 75.9 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IP	17 11 52.1	7.3	.1	2.89	54	268	-.1	
		FS	17 12 1.9						.0	
02	ASD	IP	17 11 52.8				61	265	.1	
02	SST	EP	17 11 53.1				65	326	.0	
02	ASC	IP	17 11 53.2				67	275	-.0	
.....										
02	19 41 58.30		54.92 N 157.96 W	DEPTH = 33.0 KM MB = 4.5		TELESEISMIC SOLUTION				
SOUTH OF ALASKA										
02	CSA	EP	19 43 1.9				447	268		
02	ADK	EP	19 44 43.5				1287	262		
02	SST	EP	19 45 13.0				1525	266		
02	ASD	EP	19 45 15.9				1562	265		TELESEISMIC
02	ASB	IP	19 45 16.6				1570	265		
02	ASC	EP	19 45 17.6				1571	265		
02	ANA	EP	19 45 21.4				1596	266		
02	PAT	EP	19 45 22.7				1610	267		
02	SMY	E(P)	19 45 52.0				1845	274		
.....										
02	ASD	EP	23 28 6.5	4.1	.1					
02	ASB	EP	23 28 7.0	6.3	.1					
02	ASC	EP	23 28 7.2							
02	ANA	EP	23 28 8.2							
.....										
02	23 43 9.69		51.67 N 177.79 E	DEPTH = 67.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IP	23 43 21.0				40	68	-.1	
02	ANA	IP	23 43 23.1				60	94	.3	
02	ASB	IP	23 43 27.5	2.4	.1	2.53	106	108	-.2	
		ES	23 43 40.8						-.1	
02	ASD	IP	23 43 28.5				112	105	.2	

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	SSI	IP	23 43 30.0				126	78	-0.0	
		IS	23 43 44.9						.0	
03	ASP	IP	00 48 46.2	8.5	.1	3.11				
		ES	00 49 1.1							
03	ASD	IP	00 48 46.8	2.7	.1	2.62				
03	SSI	IP	00 48 55.1	6.3	.1					
		IS	00 49 17.6							
03	7 39 12.14		52.12 N 179.80 E							DEPTH = 175.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
03	ASD	EP	07 39 38.2				87	201	.2	NOT DISTINCT P
03	ANA	EP	07 39 38.4				96	235	-.1	
03	ASP	EP	07 39 38.5				93	205	.2	
		ES	07 39 56.9						-.5	
03	RAT	IP D	07 39 38.8	30.6	.1	3.83	107	251	-.4	
		IS	07 39 59.5						.5	
03	7 51 18.31		51.51 N 178.75 E							DEPTH = 10.2 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
03	ANA	IP C	07 51 21.6				14	330	.1	
03	ASD	EP	07 51 24.0				28	101	.2	
03	ASP	IP	07 51 25.1	1.6	.1	1.89	38	117	-.3	
		IS	07 51 30.3						-.3	
03	ASD	EP	07 51 25.8	1.8	.1	1.99	42	109	-.3	
		IS	07 51 31.5						-.3	
03	SSI	IP	07 51 30.3	10.7	.1	2.96	71	53	-.1	
		IS	07 51 38.8						-.4	
03	ANK	EP	08 34 56.4							
		ES	08 35 8.2							
03	11 30 13.50		51.18 N 179.25 W							DEPTH = 50.0 KM MB = 4.5 DEKLAROF ISLANDS, ALEUTIAN ISLANDS TELESEISMIC SOLUTION
03	ASD	IP	11 39 29.7				101	284	-.6	LARGE
03	ASD	IP	11 39 30.5				107	282	-.5	
03	ASD	IP	11 39 32.0				115	287	-.0	
03	SSI	IP D	11 39 32.5				113	315	.7	
03	ANA	IP	11 39 37.0				154	290	.2	
03	RAT	IP	11 39 40.7				182	293	.5	
		T	11 40 2.8							
03	ANK	EP	11 39 42.3				194	65	.6	
		ES	11 40 3.9						1.6	
03	11 46 7.05		50.52 N 177.34 E							DEPTH = 0.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
03	ANA	EP	11 46 31.7				145	39	.3	
03	RAT	IP	11 46 31.8				148	27	-.1	
03	ASP	IP	11 46 33.3	6.1	.1	3.02	157	58	.1	
		ES	11 46 52.4						.1	
03	ASD	EP	11 46 33.6				158	53	.2	
03	ASD	EP	11 46 34.2				164	58	-.1	
		ES	11 46 54.1						-.1	
03	SSI	IP	11 46 41.2				211	47	-.2	
03	ASD	EP	12 50 45.0							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		IS	12 50 59.2							
03	ASB	EP	12 50 46.0							
03	SSI	EP	12 50 47.6	12.2	.1	3.24				
		IS	12 51 1.7							

03	13 37 38.21	52.31 N 179.63 E	DEPTH = 194.3 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

03	ANA	EP	13 38 6.9				101	222	-.0
03	ASD	EP	13 38 7.1				104	191	-.0
		ES	13 38 28.2						-.0
03	RAT	IP	13 38 7.2				105	238	.0
03	ASB	EP	13 38 7.4				108	194	.0

3	13 50 29.00	56.61 N 152.60 W	DEPTH = 33.0 KM MB = 4.1	TELESEISMIC SOLUTION
KODIAK ISLAND REGION				

03	15 52 32.02	51.47 N 179.26 E	DEPTH = 68.8 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

03	ASD	IP	15 52 42.2	5.3	.1	2.64	11	149	.0
03	ASB	IP	15 52 42.2	3.7	.1	2.48	13	185	-.0
		ES	15 52 49.6						-.1
03	ASC	IP	15 52 42.2				7	259	.1
03	ANA	IP	15 52 43.9				45	292	-.1
		ES	15 52 52.7						.0
03	SSI	IP D	15 52 44.5	4.4	.1	2.64	52	26	-.0

03	16 38 49.14	51.44 N 178.76 E	DEPTH = 45.8 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

03	ANA	IP	16 38 57.4				22	341	.3
03	ASC	IP	16 38 57.9				28	84	.4
03	ASB	IP	16 38 58.1	4.1	.1	2.45	35	104	-.0
		ES	16 39 4.0						-.7
03	ASD	IP	16 38 58.8	4.3	.1	2.50	40	97	.1
03	RAT	EP	16 38 59.4				50	323	-.3
03	SSI	IP	16 39 2.8	22.4	.1	3.36	76	48	-.0
		IS	16 39 12.8						.0

03	19 2 27.75	51.59 N 176.28 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

03	RAT	IP	19 02 50.0				143	80	-.4
		ES	19 03 6.8						-.1
03	ANA	EP	19 02 51.9				164	88	-1.0
03	ASC	EP	19 02 57.4				200	93	.2
03	ASB	EP	19 02 58.3				207	96	.3
03	ASD	EP	19 02 58.6				213	95	-.1
03	SSI	EP	19 03 1.8				230	80	1.0

S NOT VISIBLE

03	ASB	EP	19 34 39.1	4.1	.1	2.82			
		ES	19 34 55.1						
03	ASD	EP	19 34 39.3	3.1	.1	2.70			
03	ASC	EP	19 34 40.9						
03	SSI	IP	19 34 47.4	11.0	.1	3.37			
		ES	19 35 9.3						

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APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	22 54	12.45	51.36 N 179.78 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	22 54 18.8				31	276	-.2	
03	ASR	IP	22 54 19.9	2.8	.1	2.19	37	270	.1	
		ES	22 54 25.1						-.1	
03	ASC	IP	22 54 20.9				44	285	.1	
03	SSI	EP	22 54 23.1				61	347	-.0	
04	0 38	25.99	51.16 N 179.15 E	DEPTH = 45.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASR	IP C	00 38 34.0	4.3	.1	2.43	23	18	.0	
		ES	00 38 39.8						-.0	
04	ASD	IP C	00 38 34.4	3.4	.1	2.34	29	28	-.0	
04	ASC	IP	00 38 34.9				34	2	.1	
04	ANA	IP	00 38 37.9				62	327	-.0	
04	ANA	IP	01 35 44.8	NO VISIBLE S.						
04	ASC	IP	01 35 49.0							
04	ASR	IP	01 35 49.9							
04	ASD	IP	01 35 50.5							
04	SSI	IP C	01 35 53.6							
04	9 27	18.12	51.74 N 179.86 W	DEPTH = 88.7 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
04	SSI	IP C	09 27 31.9				42	293	.0	
04	ASD	IP	09 27 33.8				68	235	.0	
		IS	09 27 45.2						-.0	
04	ASR	IP	09 27 34.4				75	236	-.0	
		ES	09 27 46.3						.0	
04	ASC	IP	09 27 34.4				75	246	.1	
04	AND	IP	09 27 35.0				85	257	-.3	
04	ANA	IP	09 27 37.2				103	263	.1	
04	10 15	37.20	56.24 S 122.46 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
EASTER ISLAND CORDILLERA										
04	ADK	EPKP	10 35 29.0				12973	326		ER1108330
		ESKS	10 45 9.0							
		EL	11 03 50.0							
04	ANA	IP	14 23 41.1							
04	AND	IPGC	14 23 42.2							
		ISG	14 23 44.9							
		I	14 23 45.4							
04	RAT	IP	14 23 44.0							
04	ASR	IP	14 23 46.6	6.0	.1					
04	ASD	IP	14 23 47.1	5.5	.1					
04	ADK	EP	15 35 43.0							
		ES	15 35 54.4							
04	18 39	39.20	38.37 N 142.09 E	DEPTH = 52.0 KM			TELESEISMIC SOLUTION			
NEAR EAST COAST OF HONSHU, JAPAN										
04	ADK	EP	18 46 0.0				3516	51		
		ES	18 51 40.0							
		EL	18 54 10.0							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASD	EP	19 30 51.2	1.1	.1	2.17				
04	ASB	EP	19 30 52.2	2.1	.1	2.47				
		ES	19 31 5.8							
04	ASC	EP	19 30 52.9							
04	AND	EP	19 30 55.8							

04 21 36 10.41 51.01 N 179.31 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

04	ASD	EP	21 36 17.6	1.3	.1	1.88	42	3	-.9	
		ES	21 36 24.2						-.1	
04	ASB	EP	21 36 18.8				39	353	.8	
04	ASC	EP	21 36 20.0				51	348	.3	
04	AND	EP	21 36 22.5				66	338	.6	
04	ANA	EP	21 36 23.5				82	327	-.7	

04 23 26 53.39 51.76 N 179.42 E DEPTH = 97.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

04	ASD	EP	23 27 7.8				37	208	-.0	
04	ASD	EP	23 27 7.9	2.1	.1	2.40	41	187	-.1	
		ES	23 27 18.7						-.0	
04	AND	EP	23 27 8.1				38	236	.2	
04	ASB	EP	23 27 8.4				45	195	.1	
04	ANA	EP	23 27 8.7				54	255	-.1	

05 0 45 23.30 51.39 N 179.70 E DEPTH = 28.1 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

05	ASD	IP C	00 45 29.1	4.1	.1	2.28	25	271	-.4	
05	ASB	IP	00 45 30.2	9.4	.1	2.69	32	265	-.0	
		ES	00 45 35.6						.3	
05	ASC	IP	00 45 31.3				38	283	.2	
05	AND	EP	00 45 33.5				56	291	.1	
05	SSI	IP	00 45 33.9	6.3	.1	2.68	57	352	.3	
		IS	00 45 40.8						-.3	
05	RAT	IP	00 45 40.5	10.1	.1	3.10	105	296	-.2	

05 0 47 59.37 51.81 N 178.75 E DEPTH = 101.4 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

05	RAT	IP C	00 48 13.9				29	267	-.1	
		ES	00 48 24.3						-.3	
05	ANA	IP D	00 48 14.0				22	196	.3	
05	AND	IP D	00 48 14.2				31	153	.1	
		IS	00 48 25.2						.4	
05	ASC	IP	00 48 15.1				48	143	.2	
05	SSI	IP D	00 48 15.5				58	81	-.0	
05	ASB	IP	00 48 15.5	37.0	.1	3.69	61	145	-.2	
		IS	00 48 27.4						-.3	
05	ASD	IP	00 48 15.7	63.6	.1	3.93	62	139	-.1	

05 3 55 6.10 53.31 N 170.48 W DEPTH = 251.0 KM MB = 3.7 TELESEISMIC SOLUTION
FOX ISLANDS, ALEUTIAN ISLANDS

05	ADK	EP	03 56 9.6				450	252		
		ES	03 57 .4							
05	SSI	EP	03 56 37.9				691	261		
05	ASD	EP	03 56 40.5				726	257		
05	ASB	EP	03 56 41.8				733	257		

TELESEISMIC

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 05	ASC	EP	03 56 42.4				735	258		
. 05	AND	EP	03 56 43.9				745	259		
. 05	ANA	EP	03 56 45.6				761	260		
. 05	PAT	EP	03 56 47.9				777	262		

..... TELESEISMIC SOLUTION

. 05 5 2 11.80 .31 S 124.73 E DEPTH = 33.0 KM MB = 5.8
MOLUCCA SEA

.....

. 05 ADK EP 05 13 32.0 7940 34

.....

..... TELESEISMIC SOLUTION

. 05 9 4 42.80 53.36 N 170.55 W DEPTH = 153.0 KM MB = 5.8
FOX ISLANDS, ALEUTIAN ISLANDS

. 05	CSA	EP	09 05 43.4				397	67		
. 05	ADK	IP 0	09 05 44.0				447	251		ML6.1 03.9E
		IS	09 06 29.5							
. 05	SSI	IP	09 06 12.7				687	260		
. 05	ASD	IP 0	09 06 15.9				722	256		VERY LARGE
. 05	ASR	IP	09 06 16.8				730	256		
		I(S)	09 07 25.4							
. 05	ASC	EP	09 06 17.1				731	257		
. 05	AND	EP	09 06 18.2				741	259		
. 05	ANA	EP	09 06 20.5				757	260		
. 05	PAT	IP	09 06 23.1				773	261		
. 05	SMY	EP	09 06 54.4				1031	272		
. 05	GMA	EP	09 07 44.2				1443	18		

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. 05 ADK EP 09 19 45.7

. 05 SSI EP 09 51 28.1

. 05 ASD EP 09 51 30.9

. 05 ASP EP 09 51 32.0

. 05 ASC EP 09 51 32.2

. 05 AND EP 09 51 33.5

. 05 ANA EP 09 51 35.7

. 05 PAT EP 09 51 38.0

. 05 I 09 51 40.5

NO S.

. 05 PAT IP 14 08 31.2 49.7 .1

. 05 ES 14 09 7.5

. 05 ANA EP 14 08 33.4

. 05 AND EP 14 08 35.2

. 05 ASC EP 14 08 36.9

. 05 ASR EP 14 08 36.9

. 05 ES 14 09 15.7

. 05 ASD EP 14 08 37.8

. 05 SST IP 14 08 42.6

..... TELESEISMIC SOLUTION

. 5 14 53 16.80 65.98 N 156.26 W DEPTH = 35.0 KM
ALASKA

..... FREE DEPTH SOLUTION

. 05 15 53 29.83 51.56 N 179.99 W DEPTH = 72.0 KM
DELAROF ISLANDS, ALEUTIAN ISLANDS

. 05	ASD	EP	15 53 42.3	8.4	.1	2.93	50	248	-.2
		IS	15 53 51.9						.2
. 05	SSI	IP	15 53 42.4	13.9	.1	3.14	47	322	.2
		ES	15 53 51.1						-.2
. 05	ASR	EP	15 53 43.1	3.8	.1	2.60	57	248	.0
		ES	15 53 52.7						-.0

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	ASC	IP	15 53 43.3				59	260	.0	
05	AND	EP	15 53 44.3				73	271	-.2	
05	ANA	EP	15 53 46.8				93	275	.1	
05	RAT	EP	15 53 49.5				119	284	-.0	
05	ASD	IP D	16 16 22.5							
05	ASC	EP	16 16 24.7							
05	SSI	EP	16 16 25.2	8.8	.1					
05	AND	EP	16 16 26.7							
05	RAT	EP	16 16 34.1							
05	ADK	EP	18 55 46.0							
05	SSI	EP	19 56 18.5							
05	ASD	EP	19 56 21.7							TELESEISMIC
05	ASB	EP	19 56 22.0							
05	ASC	EP	19 56 23.5							
05	AND	EP	19 56 24.4							
05	ANA	EP	19 56 26.8							
05	RAT	EP	19 56 29.4							
05	23 14 2.04		51.37 N 178.49 E DEPTH = 19.7 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	IP D	23 14 8.2				31	23	.0	
05	AND	IP	23 14 9.2				39	56	-.1	
		IS	23 14 14.6						.0	
05	ASC	EP	23 14 10.9				48	78	.2	
05	ASB	EP	23 14 11.2				53	91	-.2	
05	SSI	IP	23 14 17.8	19.0	.1	3.33	96	52	.0	
		IS	23 14 29.2						-.1	
05	ADK	EP	23 19 13.5							
		ES	23 20 2.6							
06	1 3 35.81		51.76 N 178.63 E DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ASD	IP	01 03 46.7	2.1	.1	2.20	64	129	-.7	
06	ASB	IP	01 03 47.3	2.8	.1	2.31	61	135	.3	
		ES	01 03 55.4						.3	
06	SSI	IP D	01 03 48.4	26.8	.1	3.33	68	77	.3	
		IS	01 03 56.9						-.2	
06	5 35 4.90		52.22 N 174.66 W DEPTH = 159.0 KM							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
06	ADK	EP	05 35 32.6				143	256	-.6	
		ES	05 35 53.3						-.6	
06	SSI	IP C	05 36 .3	28.3	.1		395	267	.0	
06	ASD	EP	05 36 3.6				423	260	.1	
06	ASB	EP	05 36 4.3				430	260	-.1	
		ES	05 36 46.8						-1.0	
06	ASC	EP	05 36 5.0				433	261	.3	
06	AND	EP	05 36 5.9				444	263	-.2	
06	ANA	EP	05 36 8.4				463	264	.1	
06	RAT	IP	05 36 10.6				482	267	.0	
06	ASD	EP	06 06 4.4							
06	ASB	EP	06 06 5.0							
		ES	06 06 29.6							
06	ASC	EP	06 06 5.0							

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06	AND	EP	06	06	5.1
06	ANA	EP	06	06	6.0
06	AND	EP	06	05	15.8
		ES	06	06	29.4
06	ASD	EP	06	06	29.2
06	SSI	EP	06	06	29.4
06	ASB	EP	06	06	30.0
		ES	06	06	57.7
06	ASC	EP	06	06	30.1
06	AND	EP	06	06	31.0
06	ANA	EP	06	06	32.6

.06	AND	IP	07 03 21.8				15	30	.1
.06	ANA	EP	07 03 22.2				24	327	-.1
.06	ASR	EP	07 03 22.7				29	109	-.1
.		ES	07 03 28.6						-.1
.06	ASQ	EP	07 03 23.4	1.5	.1	2.00	35	100	.1
.06	SSI	EP	07 03 27.7				71	46	-.1

.06	RAT	IP	D	09	09	9.5	50	60	.0
.		IS		09	09	17.2			-.4
.06	ANA	EP		09	09	11.7	67	85	.5
.		ES		09	09	20.9			.3
.06	AND	EP		09	09	13.3	87	90	-.2
.06	ASC	EP		09	09	15.3	102	96	-.1
.06	ASB	EP		09	09	16.1	110	102	-.2
.06	ASD	EP		09	09	16.9	115	99	-.1
.06	SSI	EP		09	09	19.4	135	74	.1

06	ADK	EP	10	42	55.8
06	SSI	EP	10	43	12.3
06	ASN	EP	10	43	14.1
		ES	10	43	39.0
06	ASR	EP	10	43	15.0
06	ASC	EP	10	43	15.7

06	ASD	TP	D	11	16	12.2	5.5	.1	2.82	102	276	-.1
		ES		11	16	24.4						-.2
06	SSI	TP	D	11	16	13.2	19.5	.1	3.36	106	308	.2
		IS		11	16	25.6						-.1
06	ASR	TP		11	16	13.3	12.7	.1	3.21	108	274	.0
		ES		11	16	26.6						.4
06	ASC	IP		11	16	14.4				115	279	.1
06	AND	TP		11	16	16.5				131	283	-.2
06	ANA	EP		11	16	20.1				153	284	.3
06	PAT	IP		11	16	22.9				180	289	-.3

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	11	F	30.60	22.22 S	179.56 W	DEPTH = 603.0 KM	MB = 5.6	TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLANDS										
06	ASD	EP	11 17 2.0				8150	359	TELESEISMIC	
06	ASR	EP	11 17 2.0				8147	359		
06	ASC	EP	11 17 2.7				8159	359		
06	AND	EP	11 17 3.2				8170	359		
06	ANA	EP	11 17 3.8				8178	359		
06	ADK	EP	11 17 4.7				8209	2		
06	RAT	IP C	11 17 4.8				8198	359		
06	SSI	IP C	11 17 5.1				8206	359		
.....										
06	ASC	EP	11 21 25.9							
06	AND	EP	11 21 27.8							
06	ASD	EP	11 21 33.6	1.8	.1					
06	SSI	EP	11 21 37.6	13.4	.1					
.....										
06	12	D	06.34	52.26 N	179.79 E	DEPTH = 145.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	AND	IP D	12 01 19.6				96	217	-0.1	
06	ASD	IP D	12 01 19.9	21.6	.1	3.62	101	198	-0.1	
06	ASC	EP	12 01 20.0				99	206	-0.2	
06	ANA	IP D	12 01 20.3				105	228	-0.0	
06	ASR	IP	12 01 20.4	17.3	.1	3.53	107	201	-0.0	
06	ES		12 01 38.0						-0.0	
06	RAT	IP C	12 01 20.8				112	243	-0.0	
.....										
06	15	31	52.53	51.06 N	179.41 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASR	IP D	15 32 1.5	25.0	.1	3.26	35	341	-0.5	
06	ES		15 32 7.4						-1.5	
06	ASD	IP D	15 32 1.6	33.3	.1	3.40	37	353	-0.6	
06	ASC	IP	15 32 3.1				48	339	-0.1	
06	AND	IP D	15 32 4.9				64	331	-0.1	
06	ANA	IP	15 32 7.3				82	321	.3	
06	SSI	IP	15 32 9.2				94	8	.7	
06	ES		15 32 20.4						.3	
06	RAT	IP	15 32 11.5				111	318	.9	
.....										
06	15	56	20.20	18.52 N	145.56 E	DEPTH = 201.0 KM	MB = 5.1	TELESEISMIC SOLUTION		
MARIANA ISLANDS										
06	ADK	EP	16 04 14.8				4952	33		
.....										
06	16	1	25.20	23.82 S	179.16 E	DEPTH = 540.0 KM	MB = 5.3	TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLANDS										
06	ASD	EP	16 12 11.1	26.6	.4		8326	0	TELESEISMIC	
06	ASR	EP	16 12 11.1				8323	0		
06	ASC	EP	16 12 12.0				8334	0		
06	AND	EP	16 12 12.4				8345	360		
06	ANA	EP	16 12 13.0				8352	360		
06	ADK	EP	16 12 14.4				8391	3		
.....										
06	AND	IP	20 49 17.1							
06	ANA	IP	20 49 18.0							
06	SSI	IP C	20 49 18.3							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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06	ASC	EP	20 49 18.9							
06	RAT	IP	20 49 19.8							

6	20 58	5.10	65.84 N	155.72 W	DEPTH = 57.0 KM	TELESEISMIC SOLUTION				
ALASKA										

06	ADK	EP	21 11 34.5							
		ES	21 11 48.0							

06	21 57	27.90	51.24 N	179.21 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

06	ASD	IP C	21 57 44.2	16.9	.1	3.34	102	280	-.5	
06	ASR	EP	21 57 45.2				108	278	-.3	
		ES	21 57 58.5						.1	
06	SSI	IP	21 57 45.7				111	312	-.1	
		IS	21 57 58.6						-.2	
06	ASC	IP C	21 57 46.3				116	283	-.1	
06	AND	IP	21 57 48.5				133	286	.0	
06	ANA	EP	21 57 51.6				154	287	.5	
06	RAT	EP	21 57 54.9				181	291	.4	

07	4 59	39.40	2.44 N	129.12 E	DEPTH = 47.0 KM	MB = 6.5	MS = 6.6	TELESEISMIC SOLUTION		
HALMAHERA										

07	ADK	EP	05 10 27.0				7417	33		MS6.5 067.0 SW
		ES	05 19 20.0							
		FL	05 27 .5							

07	7 27	29.52	51.84 N	179.62 E	DEPTH = 105.5 KM	FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

07	SSI	EP	07 27 44.1				6	340	-.0	
07	ASD	EP	07 27 45.7	5.3	.1	2.85	54	201	-.1	
07	AND	EP	07 27 45.9				55	236	-.0	
07	ASC	EP	07 27 46.0				52	217	.3	
07	ASR	EP	07 27 46.1	7.4	.1	3.00	59	206	-.1	
		ES	07 27 58.3						-.0	
07	ANA	EP	07 27 47.1				70	251	.2	
07	RAT	IP	07 27 48.3	11.2	.1	3.24	89	267	-.1	

07	7 42	13.35	51.37 N	178.86 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

07	SSI	IP C	07 42 32.5	75.4	.1	4.05	122	299	-.1	
07	ASD	IP C	07 42 32.7				125	272	-.4	
07	ASR	IP	07 42 33.7				132	270	-.2	
		IS	07 42 49.6						.7	
07	ASC	IP	07 42 34.8				138	275	.2	
07	AND	IP	07 42 36.4				153	279	-.1	
07	ADK	EP	07 42 38.5				161	68	1.0	
		ES	07 42 56.5						1.4	
07	ANA	IP	07 42 39.3				174	280	.2	
07	RAT	IP C	07 42 42.2				200	285	-.1	
		ES	07 43 3.6						.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	8 53	24.30	52.11 N 173.55 E	DEPTH = 54.0 KM		MB = 4.3	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	RAT	IP	08 54 10.4	84.4	.1		329	94	1.2	
		E	08 54 52.0							
07	ANA	EP	08 54 13.5				355	97	1.1	
		I	08 54 57.6							
07	AND	EP	08 54 15.5				376	97	.5	
07	ASC	EP	08 54 18.2				393	98	1.1	
07	ASB	EP	08 54 18.8	11.0	.1		401	100	.7	
		ES	08 54 4.9						-.0	
07	ASD	EP	08 54 19.6				407	99	.8	
07	SSI	IP	08 54 21.3				414	91	1.6	
.....										
07	RAT	EP	09 12 12.8	31.4	.1					
07	ANA	EP	09 12 16.2							
07	AND	EP	09 12 18.6							
07	ASC	EP	09 12 21.2							
07	SSI	EP	09 12 23.8							
.....										
07	9 16	32.94	51.48 N 179.23 E	DEPTH = 67.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP	09 16 43.0	3.4	.1	2.43	12	141	-.0	
07	ASB	EP	09 16 43.0	3.8	.1	2.49	13	176	-.0	
		ES	09 16 50.3						-.1	
07	ASC	EP	09 16 43.0				5	252	.1	
07	AND	EP	09 16 43.3				22	296	-.0	
07	ANA	EP	09 16 44.8				43	293	.2	
07	SSI	EP	09 16 45.4	4.4	.1	2.64	52	28	-.0	
07	RAT	EP	09 16 47.1				72	300	-.2	
		ES	09 16 57.7						.0	
.....										
07	SSI	EP	09 54 .2							TELE- NO S.
07	ASD	EP	09 54 2.6							
07	ASB	EP	09 54 3.7							
07	ASC	EP	09 54 4.3							
07	AND	EP	09 54 6.1							
07	ANA	EP	09 54 8.4							
07	RAT	EP	09 54 10.9							
.....										
07	10 45	17.41	50.92 N 179.53 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EP	10 45 32.5				95	304	-.6	
07	ASB	EP	10 45 33.1				98	300	-.6	
07	ASC	EP	10 45 35.5				109	304	.2	
07	SSI	IP	10 45 37.5	11.7	.1	3.22	124	331	-.1	
07	AND	EP	10 45 37.8				128	305	-.3	
		ES	10 45 53.6						.5	
07	RAT	IP	10 45 46.5				178	304	1.4	
.....										
07	11 14	8.43	50.98 N 178.59 W	DEPTH = 15.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EP	11 14 32.5				152	288	-.1	
		ES	11 14 49.7						-.5	
07	ASB	EP	11 14 33.4				157	287	-.0	
		ES	11 14 52.5						.8	
07	SSI	IP C	11 14 34.4	188.1	.3	4.05	163	309	.1	
07	ASC	EP	11 14 34.8				166	290	.0	
07	AND	EP	11 14 37.2				183	292	-.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ADK	EP	11 14 38.5				165	52	3.7	
		ES	11 14 57.4						3.3	
07	ANA	EP	11 14 40.5				205	292	.3	
07	RAT	IP C	11 14 43.7				233	294	-.0	
		ES	11 15 9.2						-.3	
07	ASD	EP	11 31 13.5							SMALL. NO S.
07	SSI	EP	11 31 14.2	16.1	.1	3.47				
		ES	11 31 32.7							
07	ASR	EP	11 31 15.0							
07	ASC	EP	11 31 16.2							
07	13 42 28.75		51.44 N 179.02 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
07	SSI	IP	13 42 47.0	13.6	.1	3.29	109	298	.0	
		IS	13 43 .2						-.0	
07	ASD	EP	13 42 47.5	17.2	.1	3.40	114	268	-.1	
		IS	13 43 1.3						-.0	
07	ASR	IP	13 42 48.4				121	266	-.0	
		ES	13 43 2.8						.1	
07	ASC	EP	13 42 49.2				126	272	.2	
07	AND	EP	13 42 50.8				141	276	-.0	
07	ANA	EP	13 42 53.3				162	278	-.0	
07	SSI	IP	15 56 12.6							
07	ASD	EP	15 56 15.3	2.2	.1	2.59				
		IS	15 56 32.7							
07	ASR	EP	15 56 16.0							
07	ASC	EP	15 56 16.5							
7	22 16 22.90		61.41 N 146.73 W							TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
07	23 13 55.70		52.12 N 179.64 E							TELESEISMIC SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	SSI	IP	23 14 21.1				25	189	.2	
07	AND	IP C	23 14 22.7				78	218	.0	LARGE OVERLOAD
07	ASC	IP	23 14 23.0				80	205	.2	
07	ASD	IP	23 14 23.2				83	195	.2	
07	ANA	IP	23 14 23.3				87	231	.1	
07	ASR	IP	23 14 23.4				89	198	.2	
		IS	23 14 43.5						.1	
07	RAT	IP	23 14 23.9				97	249	.2	
8	5 26 .20		58.76 N 153.82 W							TELESEISMIC SOLUTION
			KODIAK ISLAND REGION							
08	7 45 57.80		4.33 S 102.40 E							TELESEISMIC SOLUTION
			SOUTHERN SUMATRA							
08	ADK	EP	07 58 40.2				9761	38		
		ES	08 09 5.0							
		E	08 28 5.0							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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08	ADK	EP	12 38 28.3							
		ES	12 38 51.2							

08	19	0 31.70	52.72 N 178.49 E	DEPTH = 100.0 KM						FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
08	RAT	IP	19 00 51.7				103	186	.2	
		IS	19 01 5.5						-.4	
08	ANA	IP	19 00 53.4				122	175	.0	
08	ASC	IP	19 00 56.0				147	162	-.0	
		ES	19 01 14.1						.3	
08	ASD	EP	19 00 57.0				159	158	-.3	

09	0 51 13.40	51.52 N 178.78 E	DEPTH = 55.0 KM	MB = 4.9						TELESEISMIC SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	IP	00 51 21.6				13	69	-.3	VERY LARGE
09	ANA	IP D	00 51 22.1				14	324	.1	OVERLOADED
09	ASC	IP	00 51 22.1				27	104	-.6	
09	ASB	IP	00 51 22.4				37	119	-1.0	
09	ASD	IP C	00 51 23.0				41	110	-.8	
09	RAT	IP D	00 51 24.4				44	315	.4	
09	SSI	IP D	00 51 27.5				69	53	.9	
09	ADK	EP	00 51 57.7				315	81	1.1	ML4.6 D2.8 FELT
		ES	00 52 31.3						3.2	
09	SHY	EP	00 52 1.5				347	295	3.0	
09	CSA	EP	00 53 41.0				1143	66	2.2	
09	GMA	EP	00 55 15.5				1929	29	-.3	

9	4 42 56.70	60.04 N 152.88 W	DEPTH = 136.0 KM							TELESEISMIC SOLUTION
SOUTHERN ALASKA										

09	ASD	IP	06 36 6.9							
		IS	06 40 2.9							
09	AND	IP	06 39 56.1							
09	ASC	IP	06 39 56.7							
09	ASD	IP	06 39 57.5	3.6	.1					

09	7 3 57.95	51.45 N 178.78 E	DEPTH = 45.0 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	IP	07 04 5.5				18	42	.0	
09	ANA	IP	07 04 6.1				22	337	.4	
09	ASC	IP	07 04 6.3				26	86	.2	
09	ASB	IP	07 04 6.5	73.6	.1	3.70	34	106	-.2	
		IS	07 04 12.9						-.2	
09	ASD	IP	07 04 7.1	42.6	.1	3.49	39	99	-.1	
		IS	07 04 14.1						.0	
09	RAT	IP	07 04 8.3	59.6	.1	3.69	50	322	-.1	
		IS	07 04 15.8						-.3	
09	SSI	IP D	07 04 11.6				75	48	.3	
		IS	07 04 20.9						-.3	

09	9 17 26.22	51.06 N 179.30 W	DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
DELAAROF ISLANDS, ALEUTIAN ISLANDS										
09	ASD	IP	09 17 42.7				102	292	-.3	
09	ASB	IP	09 17 43.6				107	289	-.1	
		T(S)	09 17 56.6						.1	
09	ASC	IP	09 17 44.9				116	293	-.2	

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 09	SST	IP	09 17 45.7				121	321	-.1	
. 09	PAT	IP	09 17 55.3				184	297	.6	
.		ES	09 18 15.7						.3	
.....										
. 09	10 43 28.53		51.31 N 178.63 E	DEPTH = 26.0 KM			FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 09	AND	IP	10 43 36.1				36	39	.2	
. 09	ASC	IP	10 43 36.8				41	66	.2	
. 09	ASR	IP	10 43 37.0	6.3	.1	2.59	43	83	.1	
.		ES	10 43 42.8						-.2	
. 09	ASD	IP	10 43 37.7				50	80	-.2	
. 09	PAT	EP	10 43 39.0	9.8	.1	2.87	58	339	-.0	
.		IS	10 43 46.4						-.1	
.....										
. 09	12 20 50.27		51.47 N 178.82 E	DEPTH = 47.5 KM			FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 09	AND	IP C	12 20 58.0				13	42	.0	
. 09	ANA	IP	12 20 58.7				20	326	.4	
. 09	ASC	IP	12 20 58.8				24	93	.3	
. 09	ASR	IP	12 20 59.0				32	113	-.2	
.		IS	12 21 5.2						-.4	
. 09	ASD	IP	12 20 59.6				37	104	-.0	
. 09	PAT	IP	12 21 .8				50	317	-.1	
.		IS	12 21 8.3						-.4	
.....										
. 09	ASD	EP	13 40 19.7							
. 09	ASC	EP	13 40 21.9							
. 09	SST	TP	13 40 25.5							
. 09	PAT	TP	13 40 31.3							
.....										
. 09	16 41 39.25		51.48 N 178.83 E	DEPTH = 46.7 KM			FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 09	AND	IP	16 41 46.8				12	42	-.0	
.		IS	16 41 52.4						.1	
. 09	ANA	IP	16 41 47.4				20	324	.2	
. 09	ASC	IP	16 41 47.4				23	95	.0	
. 09	ASD	TP	16 41 48.3	1.9	.1	2.11	32	115	.2	
.		IS	16 41 53.9						-.6	
. 09	PAT	IP	16 41 49.6				50	316	-.3	
.....										
. 09	17 32 27.05		50.88 N 178.83 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 09	ASD	IP	17 32 37.8	22.7	.1	3.28	67	32	-.9	
.		IS	17 32 47.1						-.1	
. 09	ASD	TP	17 32 38.4				61	29	.6	
. 09	ASC	TP	17 32 38.7				69	20	-.2	
. 09	AND	TP	17 32 39.9				76	6	-.1	
. 09	SST	TP	17 32 47.9				124	25	.7	
.....										
. 09	17 45 22.44		51.42 N 178.79 E	DEPTH = 45.2 KM			FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 09	AND	IP	17 45 30.3				19	35	.1	
. 09	ASC	TP	17 45 30.8				26	79	.1	
. 09	ASR	TP	17 45 31.1	10.1	.1	2.83	32	101	-.1	

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APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	17 45 37.3						-.2	
09	ASD	IP	17 45 31.7	8.5	.1	2.78	38	94	-.0	
09	RAT	IP	17 45 33.2				53	323	-.1	
09	SSI	IP	17 45 36.2				76	46	.1	
		IS	17 45 45.9						-.2	
09	18	9	21.75	50.17 N	177.48 E	DEPTH =	0.0 KM			FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
09	ASB	EP	18 09 51.8				181	43	.2	
		ES	18 10 13.6						.2	
09	ASD	EP	18 09 51.9	8.5	.1	3.24	188	43	-.8	
09	AND	EP	18 09 52.3				186	33	-.0	
09	ASC	EP	18 09 52.5				186	39	.2	
09	RAT	IP	18 09 52.9				190	18	-.1	
09	SSI	IP	18 10 .5				241	37	.5	
10	0	36	44.00	52.06 N	169.91 W	DEPTH =	51.0 KM	MB =	4.8	TELESEISMIC SOLUTION
				FOX ISLANDS, ALEUTIAN ISLANDS						
10	CSA	EP	00 37 45.0				438	48		
10	ADK	EP	00 37 45.1				467	270		ML4.7 D4.1 ESE
		ES	00 38 32.8							
10	SSI	IP	00 38 18.9				722	273		
10	ASD	EP	00 38 20.5				747	269		
10	ASB	EP	00 38 21.1				754	268		
10	ASC	EP	00 38 22.0				758	269		
10	ANA	EP	00 38 26.0				789	271		
10	RAT	IP	00 38 28.5				810	273		
10	GMA	EP	00 40 5.5				1570	15		
10	1	22	17.20	21.26 S	178.77 W	DEPTH =	542.0 KM	MB =	5.7	TELESEISMIC SOLUTION
				FIJI ISLANDS REGION						
10	ADK	EP D	01 32 50.5				8101	1		
10	10	18	30.60	62.09 N	149.61 W	DEPTH =	76.0 KM			TELESEISMIC SOLUTION
				CENTRAL ALASKA						
10	11	46	4.23	51.31 N	179.95 E	DEPTH =	44.2 KM			FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
10	ASD	IP	11 46 13.9	22.8	.1	3.23	43	283	-.1	
10	ASB	IP	11 46 14.6				49	277	-.0	
		ES	11 46 22.4						.2	
10	ASC	IP	11 46 15.6				57	288	.0	
10	AND	IP	11 46 17.2				75	293	-.5	
		IS	11 46 27.9						.4	
10	SSI	IP	11 46 17.6				70	339	.5	
		IS	11 46 26.0						-.5	
10	RAT	IP	11 46 24.0				125	297	.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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10	12	4	59.79	51.42 N	178.79 E	DEPTH = 44.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	AND	IP	C	12 05	7.4		19	36	-.1	
10	ANA	IP	D	12 05	8.0		24	339	.2	
10	ASC	IP		12 05	8.3		27	80	.3	
10	ASR	IP	C	12 05	8.5	50.0 .1 3.52	33	102	.0	
		ES		12 05	14.6				-.2	
10	ASD	IP	C	12 05	9.1	155.4 .1 4.04	39	95	.0	
		ES		12 05	15.5				-.3	
10	RAT	IP		12 05	10.3		53	323	-.3	
10	SSI	IP		12 05	13.5		75	46	.1	
		IS		12 05	23.4				-.0	

10	GMA	EP		12 14	26.6					
10	AND	IP		12 38	44.5					
10	ASC	EP		12 38	45.1					
10	ASD	EP		12 38	46.0	1.8 .1 2.11				
		ES		12 38	52.4					
10	ASD	EP		12 43	39.4	5.0 .1				
10	ASC	EP		12 43	39.4					
10	ASR	EP		12 43	39.6	9.0 .1				
10	RAT	IP		12 43	40.4					

10	16	3	24.92	51.42 N	178.63 E	DEPTH = 41.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ANA	IPG		16 03	32.9		23	6	.4	
10	AND	IPGD		16 03	32.9		27	55	.0	
10	ASC	IPG		16 03	33.7		37	83	-.2	
10	ASR	IPGD		16 03	33.9	55.6 .1 3.60	43	99	-.6	
		IS		16 03	41.0				-.5	
10	RAT	IP		16 03	34.6	59.2 .1 3.64	47	334	-.3	
10	ASD	IPGD		16 03	37.6	77.4 .1 3.77	50	94	2.3	
		ES		16 03	42.5				-.3	
10	SSI	IP		16 03	39.2		84	51	-.4	
		IS		16 03	50.6				.3	

11	ANK	EP		01 21	55.0					
		ES		01 22	17.3					
11	SSI	EP		01 22	30.7					
11	ASD	EP		01 22	33.0					
11	ASB	EP		01 22	33.2					
		ES		01 23	30.7					
11	ASC	EP		01 22	35.3					
11	ANA	EP		01 22	39.7					

REGIONAL.
VERY EMERGENT S

11	3	2	2.13	51.41 N	178.77 E	DEPTH = 44.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	AND	IP		03 02	10.0		21	37	.1	
11	ANA	IP		03 02	10.4		25	342	.2	
11	ASR	EP		03 02	10.9		34	100	-.0	
		ES		03 02	16.9				-.4	
11	ASD	EP		03 02	11.7		40	93	.2	
		IS		03 02	18.4				.0	
11	RAT	IP	C	03 02	12.7	6.0 .1 2.69	53	325	-.3	
11	SST	IP		03 02	15.0	8.0 .1 2.92	78	46	.0	
		IS		03 02	26.0				-.1	

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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11 4 44 12.98 51.62 N 179.46 W DEPTH = 65.4 KM FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

11	SSI	IP	04 44 27.2				73	295	.0	
		IS	04 44 37.5						-.1	
11	ASD	IP C	04 44 28.8	4.8	.1	2.77	87	254	.1	
11	ASD	IP D	04 44 29.5	6.6	.1	2.93	94	253	-.0	
		ES	04 44 41.2						-.4	
11	ASD	EP	04 44 29.9				97	260	.0	
		ES	04 44 42.6						.4	
11	ANA	EP	04 44 33.7				130	271	-.0	
11	RAT	IP	04 44 36.5				154	278	-.1	

11	ASD	EP	05 15 8.3							
11	ASD	EP	05 15 9.4							
		ES	05 15 27.6							
11	SST	EP	05 15 14.5							
		IS	05 15 38.6							

11	ADK	IP D	07 55 21.8							
		IS	07 55 29.9							
11	SST	IP	07 55 52.3							
11	ASD	EP	07 55 54.0							
		ES	07 56 30.7							
11	ASD	EP	07 55 54.8							
11	ANA	EP	07 55 59.8							
11	RAT	EP	07 56 3.6							

ML3.3 00.5 SSE

11 8 43 23.43 51.38 N 177.88 W DEPTH = 75.0 KM FIXED DEPTH SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS

11	SSI	IP	08 43 50.0				184	289	-.9	
11	ASD	EP	08 43 51.4	11.9	.1	3.42	193	272	-.6	
11	ASD	EP	08 43 52.6	12.0	.1	3.44	200	271	-.2	
		ES	08 44 14.1						-.1	
11	ASD	EP	08 43 53.5				205	274	.0	
11	ANA	IP	08 43 58.4				241	278	.6	
11	RAT	EP	08 44 2.2				266	282	1.3	

11	ADK	EP	09 39 41.5							
		E	09 39 51.6							
		IS	09 39 55.1							

11 11 33 45.90 60.28 N 150.44 W DEPTH = 50.0 KM TELESEISMIC SOLUTION
KENAI PENINSULA, ALASKA

11	ADK	EP	14 56 11.8							
		ES	14 56 28.3							

11 15 15 37.34 51.40 N 178.79 E DEPTH = 40.3 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

11	AND	IP	15 15 44.6				21	33	-.0	
11	ASD	EP	15 15 45.2				27	76	.1	
11	ASB	EP	15 15 45.6	4.5	.1	2.45	32	98	-.0	
		ES	15 15 51.6						-.0	
11	ASD	EP	15 15 46.2	5.7	.1	2.59	38	92	-.1	

11	AND	IP	15 39 20.2							
		IS	15 39 25.7							
11	ASD	EP	15 39 20.8							
11	ASD	EP	15 39 21.6	4.1	.1					

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ADK	EP	19 33 47.2							
11	ASD	EP	19 34 23.4	16.2	.2					
11	ASR	EP	19 34 24.4	18.6	.2					
11	ASC	EP	19 34 25.1							
11	AND	EP	19 34 26.3							
11	RAT	IP	19 34 32.2							
11	SSI	IP	19 34 51.0							
11	GMA	EP	19 36 17.4							
12	ADK	EP C	01 52 11.6							
		ES	01 52 21.9							
12	ASD	EP	01 52 30.6							
12	ASR	EP	01 52 31.6							
		ES	01 52 56.9							
12	ASC	EP	01 52 32.1							

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 12 3 57 10.14 50.94 N 178.99 W DEPTH = 23.5 KM FREE DEPTH SOLUTION
 OF LAROF ISLANDS, ALEUTIAN ISLANDS

12	ASD	EP	03 57 30.2				127	294	-.4	
12	ASR	IP	03 57 31.1				132	292	-.3	
		ES	03 57 46.9						.1	
12	ASC	IP	03 57 32.6				141	295	-.2	
12	SSI	IP	03 57 33.3				145	318	-.1	
12	AND	EP	03 57 36.8				159	297	1.3	
12	ANA	EP	03 57 38.4				180	296	.1	
12	RAT	IP	03 57 41.8				209	298	-.1	
		ES	03 58 4.9						-.1	
12	ADK	EP	03 57 43.1				192	56	3.4	
		ES	03 58 5.8						4.5	

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 12 8 52 21.83 51.25 N 178.76 E DEPTH = 28.4 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

12	ASR	IP C	08 52 29.3	29.9	.1	3.23	36	69	-.0	
		IS	08 52 34.5						-.3	
12	ASC	IP D	08 52 29.6				37	49	.2	
12	AND	IP D	08 52 29.7				37	21	.2	
12	ASD	IP	08 52 30.1				43	68	-.2	
12	ANA	IP	08 52 30.5				43	351	.3	
12	RAT	IP	08 52 33.5	74.5	.1	3.81	68	334	-.3	
		IS	08 52 42.2						-.3	
12	SSI	IP	08 52 37.2	62.1	.1	3.84	92	38	-.0	

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 12 9 59 20.50 51.56 N 174.09 W DEPTH = 9.0 KM MB = 4.6 TELESEISMIC SOLUTION
 ANDREANOF ISLANDS, ALEUTIANS ISLANDS

12	ADK	EP	09 59 50.3				183	282	.6	
		ES	10 00 11.6						-.3	
12	SSI	IP	10 00 22.7				437	277	.9	
12	ASD	EP	10 00 23.9				456	270	-.1	
12	ASR	EP	10 00 24.9				463	270	.0	
		E	10 01 24.5							
12	ASC	EP	10 00 25.8				467	271	.3	
12	AND	EP	10 00 27.8				481	273	.6	
12	RAT	E(P)	10 00 33.6				524	276	1.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	12 6	38.50	60.05 N 152.81 W	DEPTH = 89.0 KM	MB = 4.0					TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
12	12 10	34.70	51.29 N 177.07 W	DEPTH = 52.0 KM	MB = 4.8					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
12	ADK	IP C	12 10 47.8				71	22	-.2	4.2ML 00.9
		E	12 10 58.0							
		ES	12 11 .1						2.4	
12	ASD	IP C	12 11 9.6	107.0	.2		250	274	-.2	
		E	12 11 43.6							
12	SSI	IP	12 11 10.3				241	288	1.6	
12	ASB	IP D	12 11 10.6				257	273	-.0	
12	ASC	IP	12 11 11.8				263	276	.4	
12	AND	IP	12 11 13.9				278	278	.6	
12	ANA	IP	12 11 17.0				299	279	1.2	
12	RAT	IP	12 11 20.1				324	282	1.2	
12	12 52	42.48	51.48 N 179.17 E	DEPTH = 33.7 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASC	IP	12 52 48.2				2	193	.2	
12	ASD	EP	12 52 48.4	2.1	.1	1.98	16	131	-.1	
12	ASB	IP	12 52 48.5	3.4	.1	2.19	15	159	.1	
		ES	12 52 52.6						-.2	
12	AND	EP	12 52 48.6				18	301	-.0	
12	SSI	IP	12 52 52.7	8.8	.1	2.82	54	32	-.0	
12	RAT	IP	12 52 54.6				68	302	-.1	
		I	12 52 58.0							
12	13 30	48.90	51.36 N 179.97 W	DEPTH = 81.7 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	EP	13 31 2.3				48	274	-.1	
12	ASB	EP	13 31 2.9				55	270	.1	
		ES	13 31 12.9						-.1	
12	ASC	EP	13 31 3.4				61	281	.0	
		ES	13 31 14.0						.1	
12	AND	EP	13 31 4.8				78	287	-.1	
12	13 46	39.03	50.33 N 178.12 E	DEPTH = 0.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASB	EP	13 47 2.9	3.4	.1	2.72	140	34	.3	
		ES	13 47 19.7						-.1	
12	ASD	EP	13 47 3.3	2.1	.1	2.53	146	36	-.3	
12	ASC	EP	13 47 3.6				146	30	.0	
12	AND	EP	13 47 4.1				149	23	.0	
12	ANA	IP	13 47 4.5				149	15	.4	
12	RAT	IP	13 47 6.0				164	5	-.3	
12	SSI	IP	13 47 11.8				202	30	-.3	
12	ASB	IP	17 56 15.0	8.9	.1	3.20				
		ES	17 56 33.0							
12	ASD	IP	17 56 15.0	11.6	.1	3.32				
12	ASC	IP	17 56 16.7							
12	AND	IP	17 56 18.7							
12	ANA	IP	17 56 21.7							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	SSI	IP	17 56 22.8							
		ES	17 56 46.8							
12	RAT	IP	17 56 24.2							
12	20 27 16.99		51.42 N 178.77 E				DEPTH = 46.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ANA	IP	20 27 25.4				25	342	.2	
12	ASC	IP	20 27 25.6				28	79	.2	
12	ASR	IP	20 27 25.9	27.6	.1	3.28	33	100	.0	
		IS	20 27 31.9						-.5	
12	ASD	IP	20 27 26.5	55.7	.1	3.61	39	94	.0	
12	RAT	IP	20 27 27.6				53	324	-.3	
12	SSI	IP	20 27 30.8				77	46	-.0	
12	21 0 37.30		17.89 S 178.19 W				DEPTH = 612.0 KM	MB = 5.3		TELESEISMIC SOLUTION
			FIJI ISLANDS REGION							
12	ADK	EP	21 10 45.8				7726	1		
12	21 11 44.39		51.42 N 178.92 E				DEPTH = 43.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ANA	IP	21 11 52.3				25	333	-.1	
12	ASC	IP	21 11 52.5				24	79	.2	
12	ASR	IP	21 11 52.7	33.2	.1	3.33	30	103	-.1	
		IS	21 11 58.8						-.1	
12	ASD	IP	21 11 53.3	53.5	.1	3.56	36	95	-.0	
12	SSI	IP	21 11 57.8				74	45	.0	
		IS	21 12 7.5						-.1	
12	22 47 27.98		51.56 N 178.79 E				DEPTH = 23.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	AND	IP	22 47 32.1				12	91	-.2	
12	ANA	IP	22 47 32.4				11	309	.1	
12	ASC	IP	22 47 34.2				29	113	.1	
12	RAT	IP C	22 47 35.7	54.6	.1	3.50	41	310	-.1	
12	ASD	IP	22 47 36.0	22.4	.1	3.13	43	116	-.0	
12	SSI	IP C	22 47 39.4				66	56	-.0	
		IS	22 47 47.8						.1	
13	7 37 25.59		51.13 N 179.96 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IP	07 37 35.1	7.4	.1	2.71	52	305	.1	
13	ASR	IP	07 37 35.6	7.8	.1	2.75	56	298	-.0	
		ES	07 37 42.9						.0	
13	ASC	IP	07 37 37.1				67	304	-.1	
13	7 47 48.57		51.43 N 178.81 E				DEPTH = 39.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	AND	IP	07 47 55.4				18	33	-.1	
13	ANA	IP	07 47 55.0				25	335	.0	
13	ASC	IP	07 47 56.2				25	81	.2	
13	ASR	EP	07 47 56.5				31	104	-.1	
		ES	07 48 2.5						.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	ASD	EP	07 47 57.2				37	96	-.0	
		ES	07 48 3.4						-.1	
13	ASD	EP	09 12 13.3							
13	ASC	EP	09 12 14.0							
13	ASB	IP	09 12 14.3							
		ES	09 12 38.1							
13	AND	EP	09 12 14.5							
13	13	1	23.00	51.23 N 179.93 E	DEPTH = 37.5 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
13	ASD	IP	13 01 32.4	1.8	.1	2.11	45	293	.0	
13	ASD	IP	13 01 33.4				50	287	.4	
		ES	13 01 40.7						.4	
13	ASC	IP	13 01 34.6				59	296	.4	
13	AND	IP	13 01 36.6				77	299	-.1	
13	SST	IP	13 01 36.8				77	342	.1	
13	13	35	26.57	51.04 N 179.84 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
13	ASD	IP	13 35 35.9				52	318	-.2	
		I(S)	13 35 43.0						.0	
13	ASB	IP	13 35 36.5				55	311	.1	
13	ASC	IP	13 35 38.2				67	315	.1	
13	SST	IP	13 35 42.6				97	349	.0	
13	17	30	1.95	51.41 N 178.77 E	DEPTH = 44.0 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
13	AND	IP	17 30 9.8				21	38	.1	
13	ASC	IP	17 30 10.4				28	78	.2	
13	ASB	IP	17 30 10.7	9.9	.1	2.82	34	100	-.0	
		ES	17 30 16.8						-.3	
13	ASD	IP	17 30 11.3	9.7	.1	2.84	40	93	-.0	
		IS	17 30 18.2						.0	
13	RAT	IP	17 30 12.6	8.7	.1	2.85	53	325	-.1	
13	SST	IP	17 30 15.9				78	46	.1	
		IS	17 30 25.8						-.1	
13	17	39	19.08	51.36 N 179.93 E	DEPTH = 24.1 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
13	ASD	IP	17 39 26.9	8.3	.1	2.68	41	276	-.0	
		ES	17 39 32.6						-.0	
13	ASB	IP	17 39 27.8	4.0	.1	2.41	47	271	-.0	
13	ASC	IP	17 39 28.8				54	283	-.0	
13	17	47	24.20	17.72 S 178.79 W	DEPTH = 559.0 KM MB = 5.3					TELESEISMIC SOLUTION
				FIJI ISLANDS REGION						
13	ASB	EP	17 57 33.3	39.5	.4		7651	359		TELESEISMIC
13	ASD	EP	17 57 33.5	48.7	.4		7654	359		
13	ASC	EP	17 57 34.3				7662	359		
13	AND	EP	17 57 34.7				7674	358		
13	ANA	EP	17 57 35.3				7682	358		
13	RAT	EP	17 57 35.9				7702	358		
13	ADK	EP	17 57 36.1				7709	1		

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	SST	EP	17 57 36.3				7709	359		
13	ASD	EP	18 52 7.9							
13	ASD	EP	19 37 44.5	4.5	.1					
13	ASP	EP	19 37 44.7							
13	ASC	EP	19 37 45.1							
13	AND	EP	19 37 46.1							
13	ADK	EP D	20 04 59.2							
	ES		20 05 8.2							
13	20 18 11.99	51.71 N 176.35 W	DEPTH = 56.0 KM	MB = 4.1						TELESEISMIC SOLUTION
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
13	ADK	IP D	20 18 21.2				30	311	-.2	
	ES		20 18 29.4						1.0	
13	SST	EP	20 18 51.8				280	276	1.1	
13	ASD	EPN	20 18 53.0				300	265	-.2	
	TPG		20 18 57.6	8.3	.1					
13	ASB	EPN	20 18 54.4				307	264	.4	
	TPG		20 18 58.6	9.4	.1					
	E		20 19 37.7							
13	ASC	EPN	20 18 55.3				311	267	.8	
	TPG		20 18 58.8							
13	AND	EPN	20 18 57.0				324	269	.8	
13	ANA	EPN	20 19 .1				344	270	1.5	
13	21 18 43.50	60.31 N 150.82 W	DEPTH = 44.0 KM	MB = 3.9						TELESEISMIC SOLUTION
		KENAI PENINSULA, ALASKA								
13	21 30 23.51	51.05 N 179.05 E	DEPTH = 27.2 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
13	ASB	IP D	21 39 31.1	18.4	.1	3.02	37	22	.0	
	TS		21 39 36.6						-.0	
13	ASD	IP D	21 39 31.8				43	28	-.1	
13	ASC	IP D	21 39 32.5				47	10	.1	
13	AND	IP D	21 39 33.8				58	354	-.1	
13	ANA	EP C	21 39 35.6				70	337	-.0	
13	ADK	EP D	22 39 35.0							
	ES		22 39 42.9							
14	0 54 34.02	51.23 N 179.11 W	DEPTH = 50.0 KM							FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
14	ASD	EP	00 54 51.4	12.2	.1	3.22	110	280	-.4	
14	ASB	EP	00 54 52.4				116	278	-.2	
	ES		00 55 6.3						.2	
14	SST	IP	00 54 52.8	66.5	.1	3.98	117	310	.1	
	TS		00 55 6.2						-.2	
14	ASC	EP	00 54 53.6				123	283	.1	
14	AND	EP	00 54 55.5				140	286	-.1	
14	ANA	EP	00 54 58.8				161	287	.6	
14	ADK	EP	01 51 39.8							
	ES		01 51 47.0							
14	SST	EP	01 52 9.6							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	01 52 41.6							
14	ASD	EP	01 52 10.8	4.2	.1					
		ES	01 52 45.0							
14	ASB	EP	01 52 12.5	5.5	.1					
14	ASC	EP	01 52 12.5							
14	AND	EP	01 52 14.7							
14	ANA	EP	01 52 17.4							
14	RAT	EP	01 52 19.5							
		ES	01 52 50.7							
14	ADK	EP	03 06 27.6							
		ES	03 06 36.7							
14	ADK	EP	03 25 23.7							
		ES	03 25 31.2							
14	ASD	EP	03 25 55.8							
		ES	03 26 37.1							
14	SSI	EP	03 25 56.4							VERY EMERGENT
14	ASB	EP	03 25 58.6							
14	ASC	EP	03 25 59.6							
14	AND	EP	03 26 1.4							
14	ANA	EP	03 26 3.6							
14	RAT	EP	03 26 6.3							

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14	6 54 56.16	51.47 N 179.23 W	DEPTH = 89.9 KM	FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS				

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14	ASD	EP	06 55 14.8				99	265	-0.0
		ES	06 55 28.4						-0.0
14	ASB	EP	06 55 15.5	4.2	.1	2.81	106	264	-0.0
14	ASC	EP	06 55 16.0				111	270	-0.0

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14	SSI	EP	07 14 .6							
14	ASD	IP D	07 14 8.1	21.3	.1	3.48				GOOD RECORD
14	ASC	IP D	07 14 9.2							
14	ASB	IP	07 14 9.3	61.1	.1	3.96				
		IS	07 14 23.9							
14	AND	IP C	07 14 10.2							
		IS	07 14 26.3							
14	ANA	IP	07 14 13.1							
14	RAT	EP	07 14 16.1							
		IS	07 14 36.5							
14	SSI	E(P)	07 29 22.0							
		ES	07 29 31.9							
14	ASD	IP	07 29 26.4	3.8	.1	2.70				
14	ASB	EP	07 29 28.0	6.0	.1	2.94				
		ES	07 29 42.2							
14	ASC	EP	07 29 28.1							
14	AND	EP	07 29 28.5							
14	RAT	E(P)	07 29 34.4							
		IS	07 29 54.8							

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14	9 21 45.20	51.05 N 179.63 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS				

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14	ASD	EP	09 21 59.1	2.9	.1	2.51	81	298	-0.5
14	ASB	EP	09 21 59.9	2.5	.1	2.45	86	294	-0.2
		ES	09 22 10.8						-0.2
14	ASC	EP	09 22 1.5				96	299	.2
14	SSI	IP	09 22 2.7				108	330	-0.2
		ES	09 22 15.9						.1
14	AND	EP	09 22 4.0				114	301	.4
14	RAT	E(P)	09 22 10.1				164	301	.3

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APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	SSI	IP	11 13 55.4							
14	ASD	IP	11 13 59.2	22.5	.1	3.22				
14	ASC	EP	11 14 0.0							
14	ASB	EP	11 14 .4							
		ES	11 14 8.0							
14	AND	EP	11 14 1.1							
14	RAT	EP	11 14 7.3							

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14	12 59	1.91	51.09 N 179.28 E	DEPTH = 31.2 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IP	12 59 9.0	3.5	.1	2.27	30	356	.1	
		ES	12 59 14.0						-.1	
14	ASD	IP	12 59 9.1	4.2	.1	2.37	34	8	-.3	
14	ASC	IP	12 59 10.7				42	349	.3	
14	AND	IP	12 59 12.5				57	337	.1	
14	SSI	IP C	12 59 17.4				92	13	.0	
		ES	12 59 28.6						-.0	
14	RAT	E(P)	12 59 18.8				103	320	-.2	

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14	13 18	55.01	51.62 N 179.06 E	DEPTH = 80.2 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	EP	13 19 6.4				9	230	-.1	
14	ASC	EP	13 19 6.9				19	156	.1	
14	ASD	EP	13 19 7.2	7.4	.1	2.87	32	142	-.1	
14	ANA	EP	13 19 7.2				27	273	.1	
14	ASB	EP	13 19 7.3	5.7	.1	2.76	31	155	.0	
		ES	13 19 16.2						-.0	
14	SSI	IP	13 19 8.3				48	50	.0	
14	RAT	IP	13 19 8.7				54	292	-.1	

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14	15 18	12.60	64.87 N 147.70 W	DEPTH = 24.0 KM	MB = 4.1	TELESEISMIC SOLUTION				
CENTRAL ALASKA										

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14	ADK	EP D	16 12 21.6							
		ES	16 12 29.2							
14	SSI	E(P)	16 12 53.2							
14	ASD	EP	16 12 55.9							
14	ASB	EP	16 12 56.7							
		ES	16 13 33.3							
14	ASC	EP	16 12 57.8							
14	AND	EP	16 12 58.9							
14	ANA	EP	16 13 1.8							

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14	16 36	5.23	51.82 N 179.48 E	DEPTH = 203.7 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	EP	16 36 32.4				46	232	-.2	
14	ASD	EP	16 36 32.6	6.2	.1	3.14	49	191	-.1	
14	ASC	EP	16 36 32.7				45	209	.1	
		ES	16 36 52.7						.2	
14	ASB	EP	16 36 32.9				54	197	.1	
		ES	16 36 52.8						-.2	
14	ANA	EP	16 36 33.1				60	249	.0	

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APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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14	17 42 38.40	51.34 N 178.83 W	DEPTH = 33.0 KM	TELESEISMIC SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										

14	ASD	EP	17 42 57.9				127	273	-1.2	
		ES	17 43 13.7						-1.5	
14	SST	TP	17 42 57.9				125	300	-1.0	
14	ASD	EP	17 42 59.3	5.0	.1	2.89	134	272	-1.6	
14	ASC	EP	17 42 59.9				140	276	-1.8	
14	AND	EP	17 43 1.9				156	280	-1.7	

14	ADK	EP D	18 43 42.1							
		FS	18 43 49.8							

14	ASD	EP	22 02 4.5							
14	ASD	EP	22 02 4.8	3.7	.1					
		ES	22 02 26.8							
14	ASC	EP	22 02 4.9							
14	AND	EP	22 02 4.9							

15	ADK	EP	04 13 59.2							
		FS	04 14 7.8							

15	5 48 16.31	52.26 N 177.96 E	DEPTH = 196.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

15	RAT	TP	05 48 43.1	79.5	.1	4.24	57	153	-1.0	
15	ANA	TP	05 48 44.5				86	145	.1	
		ES	05 49 4.9						.0	
15	AND	TP	05 48 45.3				104	138	-1.1	
15	SST	TP	05 48 46.4				119	109	.0	
15	ASC	EP	05 48 46.7				122	136	.1	
15	ASD	TP	05 48 47.4	75.7	.2	3.98	136	135	-1.2	
15	ASD	EP	05 48 47.5				134	138	.1	

15	6 50 33.79	51.37 N 179.35 E	DEPTH = 54.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

15	ASD	IP C	06 50 42.1				3	353	-1.0	
		ES	06 50 48.3						.1	
15	ASR	TP C	06 50 42.2	119.5	.1	3.90	7	265	.0	
15	ASC	IP C	06 50 42.5				17	310	.0	
15	AND	TP C	06 50 43.4				35	309	-1.2	
15	ANA	IP D	06 50 45.6				56	302	.1	
15	SST	IP D	06 50 46.1	70.9	.1	3.83	61	16	.0	
15	RAT	IP D	06 50 48.9				85	305	.1	

15	RAT	IP	09 31 42.5							
15	ANA	E(P)	09 31 44.7							
15	AND	F(P)	09 31 46.3							
15	ASR	E(P)	09 31 48.6	130.8	.2					
		FS	09 32 26.0							
15	ASC	F(P)	09 31 48.8							
15	ASD	E(P)	09 31 49.0							
15	SST	TP	09 31 53.7							

15	9 40 2.95	52.13 N 178.65 E	DEPTH = 73.8 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

15	RAT	IP D	09 40 15.3				43	211	.0	
15	ANA	IP C	09 40 16.2				57	179	-1.1	
		ES	09 40 26.1						.1	
15	AND	TP C	09 40 17.2				67	162	-1.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	09 40 27.6						-0.1	
.15	ASD	E(P)	09 40 18.9				83	154	.1	
.15	ASD	EP	09 40 20.1	1.3	.1	2.23	96	150	-0.0	
.....										
.15	10 33 34.66	50.95 N 177.81 W DEPTH = 75.0 KM						FIXED DEPTH SOLUTION		
	ANDREANOF ISLANDS, ALEUTIANS ISLANDS									
.15	ASD	EP	10 34 4.3	5.0	.2		205	285	-0.3	
.15	SST	EP	10 34 4.6				209	301	-0.5	
.15	ASR	E(P)	10 34 4.8				211	284	-0.5	
		ES	10 34 27.6						-0.1	
.15	ASC	E(P)	10 34 5.9				219	286	-0.4	
.15	AND	F(P)	10 34 9.1				236	288	.7	
.15	RAT	EP	10 34 15.7				285	291	1.4	
.....										
.15	10 50 7.00	51.28 N 178.61 E DEPTH = 44.9 KM						FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									
.15	AND	TP	10 59 16.4				40	37	-0.0	
		IS	10 59 23.3						-0.0	
.15	ASC	EP	10 59 17.0				44	62	.1	
.15	ASR	EP	10 59 17.0	2.9	.1	2.34	46	78	-0.0	
.15	ASD	EP	10 59 17.8				53	76	-0.0	
.....										
.15	ADK	EP	13 03 5.1							
		ES	13 03 18.5							
.15	SST	EP	13 03 14.8							
.15	ASD	EP	13 03 15.1							
		ES	13 03 38.4							
.15	ASR	EP	13 03 16.1	6.8	.2					
.15	ASC	E(P)	13 03 16.7							
.15	AND	F(P)	13 03 19.7							
.....										
.15	13 25 27.78	50.80 N 179.17 W DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
	DEAROF ISLANDS, ALEUTIAN ISLANDS									
.15	ASD	E(P)	13 25 46.9	6.7	.2	2.70	123	303	-0.3	
		ES	13 26 1.4						-0.0	
.15	ASD	E(P)	13 25 47.7				127	300	-0.0	
.15	ASC	E(P)	13 25 48.7				137	303	-0.3	
.15	SST	EP	13 25 50.4				149	325	-0.0	
.15	AND	F(P)	13 25 51.9				156	303	.6	
.15	RAT	EP	13 25 57.6				206	303	.1	
.....										
.15	14 27 15.04	51.38 N 178.75 E DEPTH = 44.4 KM						FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									
.15	AND	EP	14 27 22.9				24	35	-0.1	
.15	ANA	TP	14 27 23.6				28	347	.3	
.15	ASC	EP	14 27 23.7				30	73	.2	
.15	ASR	EP	14 27 23.9	5.4	.1	2.56	35	94	-0.0	
.15	ASD	EP	14 27 24.6	6.7	.1	2.69	41	89	.0	
		IS	14 27 31.1						-0.4	
.15	RAT	TP C	14 27 25.8				55	328	-0.3	
.15	SST	EP	14 27 29.4				81	45	.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	16 37		42.99	51.34 N	177.81 W	DEPTH = 150.0 KM				FIXED DEPTH SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
15	SSI	EP	16 38 15.1				190	290	.0	
15	ASD	E(P)	16 38 15.6	6.7	.2	2.95	198	273	-.3	
		ES	16 38 39.9						.0	
15	ASB	EP	16 38 16.9				205	272	.3	
15	ASC	EP	16 38 17.1				211	275	-.1	
.....										
15	16 55		31.69	51.39 N	178.59 W	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	ASD	EP C	16 55 54.2	1.7	.1	2.48	144	271	-.2	
15	ASB	EP	16 55 55.3	1.9	.1	2.54	151	270	.1	
		ES	16 56 12.3						-.0	
15	ASC	EP C	16 55 55.9				156	274	.1	
.....										
15	ANA	EP	18 47 17.0							
		ES	18 47 28.4							
15	AND	EP	18 47 17.4							
15	ASB	EP	18 47 17.5	9.2	.1	3.06				
		ES	18 47 29.4							
15	ASC	IP	18 47 18.0							
15	SSI	EP	18 47 25.9							
.....										
15	19 26		4.12	51.39 N	178.77 E	DEPTH = 44.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
15	ANA	IP	19 26 12.6				27	344	.2	
15	ASC	IP	19 26 12.7				29	74	.2	
15	ASB	IP	19 26 12.9				33	95	-.0	
		ES	19 26 18.8						-.5	
15	ASD	IP	19 26 13.6	17.8	.1	3.10	40	90	.1	
15	RAT	IP	19 26 14.9				55	326	-.3	
15	SSI	IP	19 26 18.2				80	45	.0	
.....										
15	ADK	IP	19 45 21.2							
		IS	19 45 55.0							
.....										
15	19 46		48.50	51.35 N	179.59 E	DEPTH = 63.0 KM MB = 4.0				TELESEISMIC SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
15	ASD	IP C	19 46 58.1				18	285	-.1	
15	ASB	IP C	19 46 58.6	606.3	.1	4.69	24	273	.1	
		ES	19 47 5.4						-.3	
15	ASC	IP	19 46 59.1				32	293	.2	
15	AND	IP	19 47 .1				50	298	-.3	
15	SSI	IP C	19 47 1.3				61	360	-.0	
15	ANA	IP	19 47 2.5				72	296	.1	
15	RAT	IP D	19 47 5.7				101	300	.0	
.....										
15	ADK	EP	19 50 39.5							
		ES	19 50 52.2							
.....										
16	13 26		25.31	51.01 N	179.10 E	DEPTH = 29.4 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
16	ASB	IPGD	13 26 33.6	118.2	.1	3.86	41	15	.1	
		IS	13 26 39.4						.0	
16	ASD	IPGD	13 26 34.0	13.7	.1	2.96	46	22	-.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ASC	IPG	13 26 34.9				51	5	.1	
16	AND	EPG	13 26 36.4				62	351	-.1	
16	SSI	EPGD	13 26 42.6	14.2	.1	3.24	104	19	.0	
.....										
16	13 58	2.70	53.92 N 165.13 W	DEPTH = 66.0 KM	MB = 3.7					TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
16	CSA	IP	13 58 18.5				77	12		
16	GMA	EP	14 00 50.0				1302	8		
.....										
16	16 16	47.15	52.08 N 179.64 E	DEPTH = 166.9 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	AND	EP	16 17 11.4				74	220	.0	
16	ASD	IP	16 17 11.5	8.1	.1	3.21	79	195	-.1	
16	ASC	EP	16 17 11.6				75	206	.1	
16	ASB	IP	16 17 11.9	24.9	.1	3.70	84	199	-.0	
		IS	16 17 30.0						-.0	
16	ANA	EP	16 17 12.0				84	234	.1	
16	RAT	IP C	16 17 12.5	44.7	.1	3.97	95	252	-.1	
.....										
16	ASC	EPG	16 25 3.6							
		FS	16 25 9.8							
16	AND	EPG	16 25 3.6							
16	ASD	EPG	16 25 4.1	1.1	.1	1.90				VERY SMALL
		FS	16 25 10.5							
.....										
16	16 47	4.50	52.46 N 178.33 W	DEPTH = 164.0 KM						TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
16	ADK	EP	16 47 32.8				129	119	.7	
		ES	16 47 56.7						4.4	
16	SSI	IP C	16 47 34.5	420.4	.3	4.53	156	247	.1	
16	ASD	EP D	16 47 38.6	107.4	.1	4.47	199	234	.1	
		ES	16 48 5.6						2.3	
16	ASB	FP E	16 47 39.3	370.7	.1		207	235	.1	
		ES	16 48 6.5						1.9	
16	ASC	IP D	16 47 39.3				205	238	.3	
16	AND	IP C	16 47 39.7				211	243	-.0	
16	ANA	EP	16 47 41.5				226	247	.3	
16	RAT	EP D	16 47 42.7				240	254	.0	
.....										
16	SSI	EP	17 38 49.4	12.4	.1	3.24				
		I(S)	17 39 3.1							
16	ASD	EP	17 38 51.8	2.9	.1	2.68				
		ES	17 39 8.0							
16	ASB	EP	17 38 52.7	8.8	.1	3.16				
		ES	17 39 8.9							
16	ASC	EP	17 38 53.0							
16	AND	EP	17 38 54.3							
16	ANA	EP	17 38 56.5							
16	RAT	EP	17 38 58.7	17.9	.1					
.....										
16	ADK	EP	19 08 19.2							
		ES	19 08 42.5							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	19 23	33.50	51.06 N 179.00 E	DEPTH = 27.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASB	IPGD	19 23 41.3	32.5	.1	3.27	38	27	.1	POOR TAMP
		IS	19 23 46.7						-.1	
16	ASD	IPGD	19 23 41.9	27.6	.1	3.24	44	32	-.2	
16	ASC	IPGD	19 23 42.6				47	14	.2	
16	AND	IPGD	19 23 43.8				56	356	.0	
16	ANA	IPG	19 23 45.6				68	340	.2	
16	RAT	EP	19 23 49.2	52.2	.1	3.77	95	331	-.2	
16	SST	EP	19 23 50.4	26.6	.1	3.50	102	23	-.0	
16	20 38	50.30	64.60 N 147.13 W	DEPTH = 25.0 KM			TELESEISMIC SOLUTION			
			CENTRAL ALASKA							
16	22 28	24.19	51.70 N 178.97 W	DEPTH = 73.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
16	SST	FP	22 28 41.6	11.4	.1	3.21	102	283	-.4	
		FS	22 28 55.5						.5	
16	ASD	FP	22 28 46.2	3.2	.1	2.71	122	255	-.1	
16	ASB	EP	22 28 45.3	5.3	.1	2.94	129	254	.2	
		FS	22 28 59.9						-.5	
16	ASC	FP	22 28 45.7				132	259	.3	
16	AND	FP	22 28 47.0				144	265	.1	
16	RAT	F(P)	22 28 51.8	11.9	.1	3.41	187	275	-.1	
16	23 48	24.72	52.00 N 179.09 E	DEPTH = 47.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	AND	EP	23 48 35.3				50	191	-.1	
		FS	23 48 43.1						-.1	
16	PAT	EP	23 48 36.1	19.1	.1	3.22	57	247	-.1	
		IS	23 48 44.7						.2	
16	ASB	EP	23 48 37.7				72	171	-.3	
16	ASD	EP	23 48 38.1	2.4	.1	2.37	70	166	.4	
17	1 37	9.50	51.62 N 177.80 E	DEPTH = 65.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	PAT	IPGD	01 37 20.7	24.8	.1	3.35	42	61	-.1	
		ES	01 37 29.1						.0	
17	ANA	IPGD	01 37 22.4				59	89	.0	
		ES	01 37 32.0						.3	
17	AND	IPGD	01 37 24.3				80	94	-.1	
17	ASC	EP	01 37 26.4				96	100	.2	
17	ASB	IP	01 37 27.1	20.5	.1	3.45	104	105	-.1	
		ES	01 37 39.7						-.3	
17	ASD	EP	01 37 27.9	22.7	.2	3.21	109	103	.1	
17	SST	IP D	01 37 29.8	28.8	.1	3.66	127	75	-.0	
17	1 41	20.10	6.29 S 154.74 E	DEPTH = 72.0 KM MB = 5.7			TELESEISMIC SOLUTION			
			SOLOMON ISLANDS							
17	ASB	EP	01 51 29.3				6801	17		
17	ASD	EP	01 51 29.8				6807	17		TELE
17	AND	EP	01 51 30.1				6811	17		

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	PAT	EP	01 51 30.3				6815	16		
17	SSI	EP	01 51 33.0				6864	17		
17	ADK	EP	01 51 40.9				6993	19		
.....										
17	4 43 55.90		62.15 N 153.43 W				DEPTH = 33.0 KM			TELESEISMIC SOLUTION
.....										
17	ASP	EPG	08 09 25.2	1.5	.1	2.00				
17	ASD	EPG	08 09 31.2							
17	ASD	EPG	08 09 25.8	1.8	.1	2.11				SMALL
.....										
17	8 17 30.81		51.66 N 177.83 E				DEPTH = 60.5 KM			FREE DEPTH SOLUTION
.....										
17	RAT	IPGD	08 17 41.4	125.2	.1	4.02	38	65	-.0	
17	ES		08 17 49.1						-.1	
17	ANA	IPG	08 17 43.4				58	93	.2	
17	AND	IP D	08 17 45.2				78	97	-.1	
17	I(S)		08 17 55.7						-.2	
17	ASC	IP	08 17 47.2				95	103	-.0	
17	I(P)		08 17 47.8							
17	ASR	IP D	08 17 48.1	23.2	.1	3.50	104	108	-.1	
17	ES		08 18 1.2						.3	
17	ASD	IP D	08 17 48.8	7.8	.1	3.04	109	105	-.0	
17	SSI	IP C	08 17 50.7				124	77	.1	
.....										
17	10 7 6.83		51.38 N 179.32 E				DEPTH = 50.4 KM			FREE DEPTH SOLUTION
.....										
17	ASD	EPG	10 07 14.5				2	58	-.1	
17	I(P)		10 07 15.4	6.6	.1	2.60				
17	ES		10 07 20.1						-.2	
17	ASR	EPG	10 07 14.7				6	244	.1	
17	I(P)		10 07 15.5	3.8	.1	2.37				
17	ES		10 07 20.6						.3	
17	ASD	EPG	10 07 15.1				14	309	.2	
17	AND	EPG	10 07 15.6				32	308	-.4	
17	SSI	E(P)	10 07 18.7	7.6	.1	2.84	60	18	-.0	
17	ES		10 07 27.5						.1	
17	PAT	EP	10 07 21.6	13.9	.1	3.19	83	304	.2	
.....										
17	ASD	EP	11 41 42.7	6.3	.1					NO S VISIBLE
17	ASR	EP	11 41 43.2	10.4	.1					
17	ASD	EP	11 41 43.9							
17	AND	EP	11 41 45.5							
.....										
17	17 46 16.74		51.37 N 179.83 W				DEPTH = 26.6 KM			FREE DEPTH SOLUTION
.....										
17	ASD	IPGC	17 46 27.0				58	273	-.1	WHITE OUT
17	ASR	IPGC	17 46 28.1	1055.0	.2	4.64	64	269	.0	
17	E(S)		17 46 36.4						.1	
17	ASC	IPGC	17 46 29.1				71	279	.1	
17	SSI	IPGC	17 46 29.1				71	325	.1	WHITE OUT
17	ES		17 46 37.8						-.1	
17	AND	IPGC	17 46 31.2				87	285	-.2	
17	ANA	IPG	17 46 34.6				108	286	.0	
17	PAT	IP C	17 46 38.8				136	291	.1	WHITE OUT
17	ADK	EP	17 46 49.5				225	74	-.6	
17	ES		17 47 15.6						1.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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17	18	4	5.75	51.25 N	179.89 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											

17	ASD	EPG	18 04 13.5	1.1	.1	1.82	41	292	-.2	SM.AND EMERGENT
17	ASB	EPG	18 04 14.5	2.8	.1	2.25	46	285	.1	
		ES	18 04 20.7						-.0	
17	ASC	EPG	18 04 15.8				56	295	.1	
17	AND	EPG	18 04 18.4				74	298	.0	

17	19	23	24.96	51.47 N	179.49 W	DEPTH = 54.4 KM	FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS											

17	SSI	IP C	19 23 39.2	9.3	.1	3.01	79	307	-.0	
		IS	19 23 49.6						-.0	
17	ASD	EP	19 23 39.5	2.1	.1	2.37	81	264	-.0	
		ES	19 23 50.3						.2	
17	ASB	EP	19 23 40.3	1.7	.1	2.30	88	262	-.0	
		ES	19 23 51.4						-.2	
17	ASC	EP	19 23 41.0				93	270	.1	
17	AND	EP	19 23 42.7				108	276	-.0	

17	19	46	27.20	59.67 N	152.65 W	DEPTH = 75.0 KM MB = 4.0	TELESEISMIC SOLUTION				
SOUTHERN ALASKA											

17	22	37	17.20	63.54 N	150.82 W	DEPTH = 33.0 KM	TELESEISMIC SOLUTION				
CENTRAL ALASKA											

17	ASB	EPG	23 34 58.7	3.8	.1	2.28				
		IS	23 35 3.1							
17	ASD	EPG	23 34 59.0	1.5	.1	1.91	VERY SM.LOCAL			

18	9	0	33.22	51.45 N	178.81 E	DEPTH = 41.2 KM	FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											

18	AND	EPG	09 00 40.5				16	37	.2	QP
18	ASC	IPG	09 00 41.1				24	86	.2	
18	ASB	EPG	09 00 41.4	1.9	.1	2.08	32	107	-.1	
		ES	09 00 47.4						-.2	
18	ASD	IPG	09 00 42.1	5.2	.1	2.54	37	99	-.0	
		IS	09 00 48.6						.0	
18	RAT	EP	09 00 43.6	9.8	.1	2.89	51	320	-.1	
18	SSI	EP	09 00 46.6	7.8	.1	2.88	73	47	.1	
		IS	09 00 56.1						-.1	

18	9	35	1.70	51.31 N	179.91 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS											

18	ASD	EP	09 35 11.1	1.1	.1	1.90	53	280	-.2	POOR TAMP
18	ASB	EP	09 35 12.2	7.4	.2	2.45	59	276	.0	
		IS	09 35 19.8						.0	
18	ASC	EP	09 35 13.4				67	285	.1	QP
18	SSI	EP	09 35 14.3	6.1	.1	2.75	74	332	.0	
		I(S)	09 35 23.4						-.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	PES (SEC)	REMARKS
18	10 25 50.94		52.54 N 178.49 E			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	RAT	IP C	10 26 5.8	46.2	.1	3.71	83	188	.2	
		IS	10 26 15.5						-.7	
18	ANA	EP	10 26 7.5				102	173	-.4	
		E(S)	10 26 20.7						.5	
18	SSI	IP	10 26 7.6	6.6	.1	2.94	104	133	-.5	
18	AND	EP	10 26 9.6				113	164	.4	
18	ASC	EP	10 26 11.3				128	159	.2	
18	ASR	EP	10 26 11.9	2.8	.1	2.67	141	158	-.7	
18	ASD	EP	10 26 13.6	1.7	.1	2.44	141	155	1.0	
18	13 38 40.63		52.47 N 179.80 E			DEPTH = 116.6 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	AND	IP	13 39 2.3				117	210	-.7	
18	ASC	EP	13 39 3.6				121	201	.2	
18	ANA	IP D	13 39 3.6				122	220	.1	
18	ASD	EP D	13 39 3.9	8.8	.1	3.22	124	195	.2	P SPIKE
		FS	13 39 20.9						.3	
18	RAT	IP C	13 39 4.0	28.8	.1	3.73	125	234	.2	
18	ASR	EP	13 39 4.2	4.9	.1	2.97	129	197	-.0	
		ES	13 39 21.2						-.2	
18	ASD	IP	14 01 30.3	4.1	.1					MAY BE 2 EVENTS
18	ASB	EP	14 01 31.4	3.9	.1					
		E(S)	14 01 56.0							
18	ASC	IP	14 01 32.6							
18	SSI	IP D	14 01 32.8	9.8	.1					
18	AND	EP	14 01 35.3							
18	ANA	EP	14 01 38.4							
18	15 17 6.23		51.41 N 178.83 E			DEPTH = 45.6 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASC	IPGD	15 17 14.4				24	77	.1	
18	ASB	IPGD	15 17 14.6	2.5	.1	2.21	30	101	-.2	
		ES	15 17 20.9						-.1	
18	ASD	IPGC	15 17 15.4	3.6	.1	2.40	35	94	.1	
		ES	15 17 22.1						.2	
18	SSI	IPG	15 17 19.8	3.2	.1	2.51	75	44	.0	
		IS	15 17 29.5						-.1	
18	ADK	EP D	19 34 18.2							
		ES	19 34 25.7							
19	ADK	EP	03 51 31.6							
		ES	03 52 20.7							
19	3 53 37.00		51.11 N 179.95 W			DEPTH = 33.0 KM MB = 4.0				TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	EP	03 53 47.6	127.1	.2	3.71	58	303	-.2	
19	ASR	EP	03 53 48.1				62	297	-.3	
		E(S)	03 53 59.8						3.2	
19	ASC	EP	03 53 49.8				73	303	-.0	
19	SSI	IP	03 53 53.0				93	340	.3	
		ES	03 54 6.2						2.0	
19	ADK	EP	03 54 11.1				242	68	-.8	
		ES	03 54 36.8						-.6	

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APP	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
1971										
19	RAT	I(P)	08 36 20.0							NOISY
19	ASD	IP	08 36 24.2							
19	ASD	IP	08 36 24.6							
		ES	08 36 35.4							
19	ASD	IP	08 36 25.6	31.8	.2	3.28				
19	8 46 59.94		51.47 N 179.49 E				28.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASD	F(P)	08 47 5.1				13 231	-0		NOISY
19	ASD	F(P)	08 47 5.7	55.2	.1	3.38	20 236	-0		
		ES	08 47 9.9					.0		
19	ASD	F(P)	08 47 5.9				23 269	-0		
19	19 29 23.39		51.32 N 179.79 E				64.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IP	19 29 33.9				32 284	-0		
		ES	19 29 41.7					.1		
19	ASD	IP	19 29 34.4	41.4	.1	3.56	38 277	.0		
		ES	19 29 42.3					-1		
19	ASD	IP	19 29 35.0				46 290	.0		
19	19 46 25.80		59.56 N 152.40 W				135.0 KM			TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
20	0 24 59.50		60.74 N 151.28 W				50.0 KM			TELESEISMIC SOLUTION
			KENAI PENINSULA, ALASKA							
20	1 6 4.01		51.21 N 178.79 E				25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EPG	01 06 11.0	29.9	.1	3.21	36 62	-2		
		IS	01 06 16.3					-1		
20	ASD	EPG	01 06 11.5				38 43	.0		
		IS	01 06 17.0					.1		
20	AND	EPG	01 06 11.8				40 16	-0		
20	ASD	EPG	01 06 12.4				43 62	.2		
20	1 17 53.30		66.32 N 157.48 W				33.0 KM			TELESEISMIC SOLUTION
			ALASKA							
20	1 32 51.60		62.42 N 151.15 W				75.0 KM MB = 3.7			TELESEISMIC SOLUTION
			CENTRAL ALASKA							

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	5 8 4.33		51.16 N 179.06 E	DEPTH = 31.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP C	05 08 10.9	26.0	.1	3.12	26	31	.0	
		IS	05 08 15.6						-.1	
20	ASD	IP	05 08 11.5	13.4	.1	2.87	32	38	-.1	
		IS	05 08 16.9						.0	
20	ASC	IP	05 08 12.0				34	13	.2	
20	AND	IP D	05 08 13.1				45	351	-.1	
20	ADK	EP D	09 01 38.4							
		ES	09 01 48.4							
20	SST	EP	09 01 59.4	29.5	.2					QP
		FS	09 02 27.9							
20	ASD	EPN	09 02 .7							QP
		EPG	09 02 3.7	6.9	.1					
20	ASC	EPN	09 02 2.0							QP
		EPG	09 02 4.9							
20	ASD	EPN	09 02 2.3	17.3	.1					QP
		E(S)	09 02 30.0							
20	9 56 43.63		51.43 N 179.62 E	DEPTH = 83.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EPG	09 56 55.7	10.4	.1	3.01	20	257	-.1	QS
		ES	09 57 4.8						.1	
20	ASD	EPG	09 56 56.2	17.2	.1	3.24	27	253	.1	QS
		ES	09 57 5.0						-.1	
20	ASC	EPG	09 56 56.3				31	277	-.0	
20	12 29 55.00		51.35 N 178.75 E	DEPTH = 39.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	EPG	12 30 2.7				28	30	-.0	QP
20	ASC	EPG	12 30 3.2				32	66	.1	
20	ASD	EPG	12 30 3.4	5.6	.1	2.55	35	87	.0	POOR TAMP
		IS	12 30 9.5						-.0	
20	ASD	IPG	12 30 4.1	4.1	.1	2.45	42	83	-.1	
21	0 57 4.25		52.16 N 178.46 W	DEPTH = 172.4 KM			FREE DEPTH SOLUTION			
			DEFLAROF ISLANDS, ALEUTIAN ISLANDS							
21	SST	IP	00 57 33.3				137	258	.0	
21	ASD	EP	00 57 36.4	8.7	.1	3.35	174	242	-.1	
		ES	00 58 0.0						-.0	
21	ASD	EP	00 57 37.2	8.3	.1	3.34	181	242	.0	
21	ASC	E(P)	00 57 37.2				181	246	.1	
21	AND	EP	00 57 37.9				190	251	-.1	
21	ANA	E(P)	00 57 39.6				206	255	.0	
21	3 31 24.91		51.30 N 179.63 E	DEPTH = 57.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASD	E(P)	03 31 34.0	2.2	.1	2.22	23	297	-.0	NOISY
21	ASD	F(P)	03 31 34.4	2.9	.1	2.34	28	284	.1	
		ES	03 31 41.3						.0	
21	ASC	F(P)	03 31 35.0				37	299	-.0	
21	SST	F(P)	03 31 37.8				66	357	.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	6 42	16.30	53.85 N 161.52 W	DEPTH = 21.0 KM			MB = 5.1	MS = 5.4	TELESEISMIC SOLUTION SOUTH OF ALASKA	
21	CSA	EP	06 42 51.2				234	292		
21	ADK	EP	06 44 31.9				1043	264		MS 6.0 D 8.0
		EL	06 46 46.0							
21	SSI	E(P)	06 45 1.6	41.0	.4		1288	268		
21	GMA	EP	06 45 2.5				1292	1		
21	ASD	E(P)	06 45 4.4				1322	266		TELESEISMIC
21	ASB	E(P)	06 45 4.9				1329	266		
21	ASC	EP	06 45 5.8				1331	266		
21	AND	EP	06 45 7.6				1341	267		
21	ANA	E(P)	06 45 11.3				1358	268		
21	RAT	E(P)	06 45 13.6	45.2	.3		1374	269		
21	8 57	49.30	52.26 N 178.53 W	DEPTH = 199.0 KM			FREE DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS			
21	SSI	IP	08 58 20.8	59.3	.2	3.88	135	253	.0	
21	ASD	EP	08 58 23.9	10.8	.1	3.48	176	238	-.1	
		ES	08 58 49.3						.0	
21	ASB	IP	08 58 24.6				183	238	-.0	
21	ASC	EP	08 58 24.6				182	242	.1	
21	AND	EP	08 58 25.1				190	247	-.1	
21	ANA	EP	08 58 26.8				205	251	.2	
21	RAT	IP	08 58 28.0				221	258	-.1	
21	9 45	27.06	51.40 N 178.76 E	DEPTH = 46.5 KM			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
21	AND	IP	09 45 35.2				23	36	.0	
21	ANA	IP C	09 45 35.6				27	346	.2	
21	ASC	IP	09 45 35.8				29	75	.2	
21	ASB	IP	09 45 36.1	4.6	.1	2.50	34	96	.0	
		ES	09 45 42.3						-.3	
21	ASD	IP	09 45 36.7	2.5	.1	2.27	41	90	.0	
21	RAT	IP C	09 45 37.9	13.1	.1	3.04	54	327	-.2	
21	SSI	EP	09 45 41.2	7.8	.1	2.92	80	46	.0	
21	RAT	EP	12 23 36.5							
21	ANA	EP	12 23 39.3							
21	AND	EP	12 23 41.0							
		ES	12 24 17.4							
21	ASB	EP	12 23 43.1	5.9	.2					
		ES	12 24 19.6							
21	ASC	EP	12 23 43.4							
21	ASD	EP	12 23 43.9							
21	SSI	EP	12 23 48.1							
21	14 56	37.93	51.15 N 178.16 E	DEPTH = 24.3 KM			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
21	ANA	IP	14 56 49.3				63	33	.4	
21	AND	EP	14 56 50.1				71	50	-.1	
21	RAT	IP	14 56 50.1				73	9	-.3	
21	ASB	IP	14 56 51.4	11.7	.2	2.75	79			

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	14 59 27.59		51.38 N 179.07 E	DEPTH = 45.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASR	IP	14 59 34.9	13.0	.1	2.87	13	100	-.1	
		ES	14 59 39.3						-1.1	
21	ASD	IP	14 59 35.5	7.0	.1	2.62	19	87	.2	
		ES	14 59 40.5						-.5	
21	ASC	EP	14 59 35.5				11	37	.6	
21	AND	IP D	14 59 36.1				22	339	.6	
21	ANA	E(P)	14 59 37.7				39	314	.7	
21	RAT	IP	14 59 38.8	10.4	.1	3.00	69	313	-1.6	
21	SSI	IP	14 59 40.1	16.6	.1	3.20	67	32	-.1	
21	15 14 2.02		51.51 N 179.26 E	DEPTH = 63.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASD	IP	15 14 11.6	2.2	.1	2.24	14	157	-.1	
		ES	15 14 18.7						-.0	
21	ASC	EP	15 14 11.6				8	232	.1	
21	ASR	IP C	15 14 11.7	4.2	.1	2.51	17	183	-.0	
21	AND	EP	15 14 12.0				22	286	.0	
21	ANA	E(P)	15 14 13.5				43	288	.1	
21	RAT	IP C	15 14 16.0				72	297	-.1	
		ES	15 14 26.2						-.1	
21	17 43 42.34		51.83 N 179.78 W	DEPTH = 110.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
21	SSI	EP	17 43 58.7	4.4	.1	2.77	44	280	-.0	
21	ASD	IP D	17 44 .8	9.1	.1	3.14	77	232	-.1	
		ES	17 44 14.4						.0	
21	ASR	IP D	17 44 1.3				85	233	-.1	
		IS	17 44 15.3						-.1	
21	ASC	EP	17 44 1.5				83	241	.2	
21	AND	EP	17 44 2.0				92	252	-.0	
21	ANA	EP	17 44 3.8				110	259	.2	
21	RAT	IP C	17 44 5.4	15.4	.1	3.49	130	269	-.2	
21	19 19 12.83		51.38 N 178.42 E	DEPTH = 40.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ANA	EP	19 19 21.4				32	32	.3	
21	AND	IP C	19 19 22.3				42	62	.1	
21	RAT	EP C	19 19 22.4				47	353	-.3	
21	ASC	EP	19 19 23.7				53	80	.3	
21	ASR	E(P)	19 19 24.0				58	92	-.1	
21	ASD	EP	19 19 24.8				64	89	-.1	
		E(S)	19 19 33.4						.3	
21	SSI	IP	19 19 29.4				99	55	.0	
21	19 21 .69		51.71 N 177.92 E	DEPTH = 74.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT	IP C	19 21 12.1	13.7	.1	3.11	30	70	-.2	
21	ANA	IP	19 21 13.9				52	99	.2	
		ES	19 21 23.6						.4	
21	AND	IP C	19 21 15.5				73	102	-.1	
		IS	19 21 26.1						-.4	
21	ASC	E(P)	19 21 17.5				90	107	.2	
21	ASB	E(P)	19 21 18.3				100	112	-.0	

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APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ASD	E(P)	19 21 18.8	.8	.1	2.08	104	109	-.1	
21	SSI	E(P)	19 21 20.3				117	79	.1	
.....										
21	20	6	19.25	51.97 N	178.21 E	DEPTH = 122.0 KM	FREE DEPTH SOLUTION			
PAT ISLANDS, ALEUTIAN ISLANDS										
21	RAT	IP D	20 06 35.9				20	157	-.2	
21	ANA	IP C	20 06 37.3				49	141	.2	
		ES	20 06 50.4						.2	
21	AND	IP D	20 06 38.2				68	131	-.0	
		ES	20 06 51.8						-.3	
21	ASC	EP	20 06 39.8				86	130	.3	
21	SSI	IP D	20 06 40.2				95	95	.0	
21	ASR	EP	20 06 40.4				98	133	-.1	
21	ASD	EP	20 06 40.5				101	129	-.2	
.....										
21	21	36	25.44	51.46 N	179.58 E	DEPTH = 23.6 KM	FREE DEPTH SOLUTION			
PAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EP	21 36 30.3				18	246	-.1	
21	ASR	IP C	21 36 31.2	3.8	.1	2.22	25	245	.0	
		IS	21 36 35.3						-.1	
21	ASC	IP C	21 36 31.8				29	271	.2	
21	AND	F(P)	21 36 33.7				45	285	-.1	
21	SSI	IP D	21 36 34.3	5.4	.1	2.55	48	1	-.0	
21	ANA	F(P)	21 36 37.0				66	287	.1	
21	RAT	EP	21 36 40.9				94	294	-.1	
.....										
21	21	46	10.73	52.01 N	178.71 W	DEPTH = 155.6 KM	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	SSI	E(P)	21 46 36.6				117	265	-.0	
21	ASD	EP C	21 46 39.5	1.7	.1	2.59	151	244	.1	
		F(S)	21 47 .4						.0	
21	ASC	EP	21 46 40.1				158	248	-.0	
21	ASR	EP	21 46 40.2	2.1	.1	2.70	158	244	.1	
21	AND	E(P)	21 46 41.0				168	254	-.1	
21	ANA	EP	21 46 42.4				186	258	-.3	
21	RAT	I(P)	21 46 44.9				204	265	.3	
.....										
22	AND	EP	00 16 15.4							QP
22	ANA	EP	00 16 17.0							
22	ASD	EP	00 16 17.9	2.8	.1	2.71				POOR QUAKE.QP
22	ASR	EP	00 16 18.4	2.2	.1	2.61				POOR TAMP.QP
		IS	00 16 37.1							
22	ASC	EP	00 16 18.4							QP
.....										
22	0	26	49.95	51.23 N	179.43 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	00 27 4.4	1.4	.1	2.17	87	283	-.2	
22	ASR	EP	00 27 5.5	1.8	.1	2.30	93	280	.1	
		ES	00 27 16.7						-.0	
22	ASC	EP	00 27 6.7				101	286	.1	
22	ANA	EP	00 27 12.4				140	289	-.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	1	2	19.02	51.77 N 179.73 E	DEPTH = 21.0 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
22	SSI	IPGD	01 02 23.7	29.7	.1	3.01	17	325	.1	V.NEAR SEMI
		IS	01 02 26.8						-.1	
22	ASD	IPGD	01 02 27.8	9.5	.1	2.79	50	213	-.2	P SPIKE
		ES	01 02 34.3						-.2	
22	ASC	IPG	01 02 28.5				52	230	.2	
22	ASR	IPG	01 02 28.9	5.9	.1	2.63	56	217	-.0	
		ES	01 02 36.5						.4	
22	ANA	EPG	01 02 31.1				76	259	-.7	
22	RAT	IPGD	01 02 35.4	7.9	.1	2.95	97	273	.4	
.....										
22	1	5A	19.74	51.57 N 178.92 E	DEPTH = 17.6 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
22	AND	IPGD	01 58 22.7				2	111	-.1	SH. LOC. NEAR AND
		ES	01 58 25.0						-.0	
22	ANA	EPG	01 58 24.3				19	289	.1	OR POSS. BLAST.
22	ASC	EPG	01 58 24.5				21	125	.1	
22	ASR	EPG	01 58 26.0	4.8	.1	2.34	32	136	-.0	
		IS	01 58 30.8						.2	
22	ASD	EPG	01 58 26.2	1.4	.1	1.84	35	124	-.2	
		ES	01 58 31.3						.0	
22	RAT	IP	01 58 28.3	9.5	.1	2.77	48	302	-.0	
		IS	01 58 34.5						-.1	
22	SSI	IP D	01 58 29.9	3.1	.1	2.35	58	52	.1	
.....										
22	SSI	IP D	02 36 16.9	18.5	.1	3.01				
		IS	02 36 21.8							
22	ASD	IPGD	02 36 20.3	5.5	.1	2.65				
		ES	02 36 27.8							
22	ASR	IPGD	02 36 21.4	12.1	.1	3.03				
		IS	02 36 29.6							
22	ASC	EPG	02 36 21.4							
22	AND	EP	02 36 24.8							QP
22	ANA	IP D	02 36 25.4							
22	RAT	IP	02 36 28.6	49.7	.1					
.....										
22	3	37	55.11	51.39 N 178.75 E	DEPTH = 46.2 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
22	AND	IPGD	03 38 3.2				24	36	-.0	
22	ANA	IPGD	03 38 3.7				27	347	.2	
22	ASC	IPG	03 38 3.9				30	74	.2	
22	ASR	IPGD	03 38 4.1	11.9	.1	2.92	35	95	-.0	
		IS	03 38 10.3						-.4	
22	ASD	IPGD	03 38 4.8	23.9	.1	3.25	41	90	.1	
22	RAT	IPG	03 38 5.9	13.9	.1	3.07	54	327	-.2	
22	SSI	IPGD	03 38 9.3	4.4	.1	2.67	80	46	.0	POOR TAMP
.....										
22	4	15	34.13	51.27 N 178.66 E	DEPTH = 27.2 KM					FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
22	AND	IPGD	04 15 42.0				39	31	.1	
22	ANA	IPG	04 15 42.2				40	360	.1	
22	ASD	EPG	04 15 42.4	2.6	.1	2.20	42	75	.1	
		ES	04 15 48.2						-.0	
22	ASC	IPG	04 15 42.4				41	58	.2	
22	ASD	EPG	04 15 43.3	1.3	.1	1.93	49	73	.0	
		ES	04 15 49.4						-.5	
22	RAT	EP	04 15 45.1	9.4	.1	2.89	64	339	-.3	POOR TAMP

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	SSI	IPGC	04 15 49.8	5.3	.1	2.78	95	42	-.1	
		IS	04 16 1.6						.2	
22	SSI	EP	05 01 56.5							
22	ASD	EP	05 01 59.8	2.8	.1					
22	ASB	EP	05 02 .5	7.3	.1					QS
		E(S)	05 02 30.8							
22	ASC	EP	05 02 1.0							
22	AND	EP	05 02 2.5							
22	ANA	EP	05 02 4.3							
22	5 57 57.10		52.22 N 178.23 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	RAT	EP	05 58 19.6	6.6	.1	3.09	47	171	-.1	QP
22	ANA	EP	05 58 20.8				72	155	-.1	
22	AND	EP	05 58 22.3				89	145	.5	
22	SSI	E(P)	05 58 22.5	2.4	.1	2.70	100	111	-.0	
22	ASC	EP	05 58 23.1				106	142	.1	
22	ASB	EP	05 58 23.7	2.2	.1	2.68	119	143	-.2	
		E(S)	05 58 43.4						-.0	
22	ASD	EP	05 58 23.8	1.7	.2	2.26	120	140	-.2	
22	8 27 29.20		60.08 N 153.11 W							TELESEISMIC SOLUTION
			DEPTH = 33.0 KM MB = 3.7							
			SOUTHERN ALASKA							
22	ASD	IP C	11 35 7.0	3.9	.1	2.52				
22	ASB	EP	11 35 7.1	1.9	.1	2.21				
		E(S)	11 35 15.0							
22	ASD	EP	12 18 46.6	4.6	.1	3.00				
		ES	12 19 8.5							
22	ASC	EP	12 18 46.9							
22	ASB	EP	12 18 47.1	7.3	.1	3.20				
		ES	12 19 9.0							
22	AND	EP	12 18 48.0							
22	ANA	EP	12 18 49.4							
22	RAT	EP	12 18 50.0	17.5	.1					
22	SSI	E(P)	12 18 53.5	3.5	.1					QP
22	13 32 30.32		51.37 N 179.48 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	IPG	13 32 44.0	3.4	.1	2.53	82	272	-.2	
		ES	13 32 54.2						-.1	
22	SSI	EP	13 32 44.9	2.7	.1	2.45	87	313	-.1	
		ES	13 32 55.7						.0	
22	ASB	EPG	13 32 45.2	4.0	.1	2.63	88	270	.0	
		ES	13 32 56.1						.1	
22	ASC	EPG	13 32 46.3				95	277	.2	
22	AND	EP	13 32 48.7				111	282	.2	
22	ANA	EP	13 32 51.7				132	283	.0	
22	RAT	EP	13 32 55.4	7.9	.1	3.15	159	288	-.0	
22	17 20 58.48		50.29 N 177.50 E							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	AND	EP	17 21 27.3				175	35	-.1	QP
22	ASC	EP	17 21 27.6				176	41	.1	QP
22	ASD	EP	17 21 27.9	1.7	.1	2.51	179	46	-.0	QP.V.EMERGENT
		E(S)	17 21 49.4						-.0	
22	RAT	IP D	17 21 27.9	18.3	.1	3.55	178	19	.0	

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APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	18 17 27.14		50.95 N 179.92 W	DEPTH = 31.4 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	18 17 40.6	1.1	.1	2.03	76	310	.3	QP.QS.
		ES	18 17 49.4						.6	
22	ASB	EP	18 17 41.2	3.0	.1	2.47	79	305	.4	QP.QS.
		ES	18 17 51.2						.4	
22	ASC	EP	18 17 42.2				91	309	-.3	QP
22	AND	EP	18 17 44.9				109	309	-.3	QP
22	SSI	EP	18 17 45.2	3.5	.1	2.66	112	339	-.5	
22	18 17 31.43		51.05 N 179.96 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	18 17 43.1	2.1	.1	2.29	62	308	-.5	POOR TAMP.QP.QS
		ES	18 17 52.3						-.2	
22	ASB	EP	18 17 43.9	9.3	.2	2.65	66	303	-.1	QP
22	ASC	EP	18 17 44.8				77	308	-.5	QP
22	AND	EP	18 17 47.5				95	308	-.0	QP
22	SSI	EP	18 17 48.1	10.2	.1	3.11	99	342	.1	
22	RAT	EP	18 17 55.0	7.0	.1	3.08	145	306	1.3	
22	18 59 11.65		51.58 N 178.74 E	DEPTH = 72.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	EP	18 59 22.3				7	314	.1	
22	AND	EP	18 59 22.4				15	98	-.0	
		IS	18 59 30.2						-.1	
22	ASC	EP	18 59 23.3				33	114	.1	
22	RAT	IP	18 59 23.3	12.3	.1	3.07	37	311	-.1	
		IS	18 59 32.2						.1	
22	ASB	EP	18 59 23.9	4.8	.1	2.67	43	124	.0	
		ES	18 59 32.8						.0	
22	ASD	EP	18 59 24.0	3.9	.1	2.59	47	116	-.1	
22	SSI	IP	18 59 26.1	5.6	.1	2.80	68	59	.1	
		IS	18 59 36.3						-.1	
22	19 40 28.80		50.10 N 152.96 W	DEPTH = 110.0 KM			MB = 4.5		TELESEISMIC SOLUTION	
			SOUTHERN ALASKA							
22	ASD	EP	19 44 28.5	3.1	.1		1973	253		REGIONAL
22	ASB	EP	19 44 30.1	7.0	.1		1980	253		NO S VISIBLE
22	AND	EP	19 44 30.1				1981	254		
22	ASC	EP	19 44 30.5				1977	253		
22	ANA	EP	19 44 30.6				1992	254		
22	RAT	EP	19 44 32.7	329.7	.5		1998	255		
22	19 45 39.60		68.06 N 160.49 W	DEPTH = 33.0 KM			MB = 4.5		TELESEISMIC SOLUTION	
			ALASKA							
23	0 3 5.41		50.45 N 178.79 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IP	00 03 24.5				111	20	-.2	
23	ASC	IP	00 03 25.6				115	13	.3	
		ES	00 03 39.8						-.0	
23	ANA	IP</								

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG.	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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23	2 59	35.51	51.32 N 178.82 E	DEPTH = 38.3 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASR	TP D	02 59 43.4				30	81	.1	
		ES	02 59 48.9						-.1	
23	ASC	TP	02 59 43.4				29	56	.2	
23	ASD	TP D	02 59 43.9	18.3	.1	3.07	37	77	-.2	
23	RAT	E(P)	02 59 47.3				63	328	-.1	

23	7 10	37.03	52.17 N 179.57 E	DEPTH = 170.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
23	AND	EP	07 11 1.8				80	212	-.1	
23	ASD	TP D	07 11 2.2	59.4	.1	4.09	88	190	-.1	
23	ASC	EP	07 11 2.3				83	200	.2	
23	ANA	TP C	07 11 2.3				87	226	.0	
23	ASR	EP	07 11 2.6	77.8	.1	4.21	92	194	-.0	
		ES	07 11 21.3						-.0	
23	RAT	TP C	07 11 2.7				94	245	-.0	

23	7 15	15.12	51.42 N 177.25 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
23	RAT	TP	07 15 30.3				86	60	-.3	
23	ANA	TP	07 15 33.1				101	76	.3	
23	AND	EP	07 15 35.9				119	82	.3	
23	ASC	EP	07 15 37.8				133	87	.1	
23	ASR	E(P)	07 15 38.6				139	92	.0	
23	ASD	E(P)	07 15 39.1	4.6	.1	2.87	145	90	-.5	
		ES	07 15 57.3						-.1	

23	ASR	E(P)	11 56 43.0	6.6	.1	3.06				
		ES	11 57 .5							
23	ASD	TP C	11 56 43.2	4.5	.1	2.90				
23	ASC	EP	11 56 44.8							
23	AND	E(P)	11 56 46.7							
23	ANA	E(P)	11 56 48.5							
23	RAT	E(P)	11 56 52.1							

23	12 32	46.09	6.27 S 154.74 E	DEPTH = 67.0 KM MB = 5.3		TELESEISMIC SOLUTION				
SOLOMON ISLANDS										
23	ASD	EP	12 42 56.0				6805	17		TELESEISMIC
23	ASC	EP	12 42 56.2				6807	17		
23	ANA	EP C	12 42 56.4				6807	17		
23	RAT	E(P)	12 42 56.8	42.6	.3		6813	16		
23	ADK	EP	12 43 7.0				6991	19		

23	13 23	37.74	51.20 N 179.59 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	EP	13 23 50.7	2.4	.1	2.35	77	286	-.2	
23	ASR	E(P)	13 23 51.7				83	283	-.0	
23	ASC	EP	13 23 53.4				91	289	.4	
23	AND	EP	13 23 55.4				109	292	-.2	
		ES	13 24 8.6						.0	

23	ASD	EP	16 19 6.5	3.6	.1	2.86				
		ES	16 19 26.7							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASC	EP	16 19 7.2							
23	ASP	IP 0	16 19 7.3	5.7	.1	3.07				
23	ANA	E(P)	16 19 9.5							
23	PAT	E(P)	16 19 10.9							

23 17 2 59.40 61.22 N 152.23 W DEPTH = 110.0 KM TELESEISMIC SOLUTION
SOUTHERN ALASKA

23 17 25 43.59 51.47 N 178.06 E DEPTH = 55.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

23	PAT	IP 0	17 25 54.0				41	26	-0.0	
23	ANA	IP C	17 25 54.4				45	66	.0	
23	AND	E(P)	17 25 56.0				63	80	-0.1	
23	ASC	IP	17 25 57.8				76	90	.2	
23	ASP	E(P)	17 25 58.3				83	98	-0.1	
23	ASP	EP	17 25 59.1	2.8	.1	2.53	89	95	-0.0	
	ES		17 26 10.4						-0.0	

23 19 35 .79 51.57 N 178.92 E DEPTH = 52.4 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

23	AND	IP	19 35 8.8				2	108	-0.0	
23	ANA	IP 0	19 35 9.3				19	290	.0	
		E(S)	19 35 15.5						-0.0	
23	ASC	E(P)	19 35 9.4				21	125	.0	
23	ASP	EP	19 35 10.4	2.4	.1	2.25	35	124	-0.0	

23 21 29 39.92 51.42 N 178.34 W DEPTH = 75.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

23	ASP	E(P)	21 30 4.4				161	270	-0.2	
23	ASP	IP	21 30 5.5	6.5	.1	3.11	168	269	.1	
		ES	21 30 24.0						-0.0	
23	ASC	IP C	21 30 6.2				173	273	.1	
23	AND	E(P)	21 30 7.9				188	276	.0	
23	ANA	E(P)	21 30 10.3				209	278	-0.1	

24 0 30 15.90 60.54 N 139.05 W DEPTH = 33.0 KM MB = 5.1 TELESEISMIC SOLUTION
SOUTHEASTERN ALASKA

24 1 15 58.90 52.42 N 172.17 E DEPTH = 53.0 KM MB = 4.5 TELESEISMIC SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

24	PAT	EP	01 16 57.3	190.1	.4		426	97	1.6	
24	ANA	EP	01 16 59.9				453	99	.9	QP.REGIONAL
		E(S)	01 17 50.6						7.7	

24	ASP	IP C	02 02 35.7	67.2	.2	3.73				
		IS	02 02 51.4							
24	ASP	IP 0	02 02 36.0	16.2	.1	3.42				
24	ASC	IP	02 02 37.2							
24	ANA	EP	02 02 40.5							
24	SST	EP	02 02 44.4	66.4	.3					

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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24	2 16 30.34		51.05 N 179.07 E	DEPTH = 28.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	IPGD	02 16 38.0	237.4	.2	3.83	37	20	.0	P SPIKE
		IS	02 16 43.7						.2	
24	ASD	IPGD	02 16 38.6	86.1	.1	3.73	43	27	-.1	
		ES	02 16 44.6						-.2	
24	ASC	IPGD	02 16 39.4				47	8	.2	
24	AND	IPGC	02 16 40.8				58	352	.0	
24	ANA	IPGC	02 16 42.5				70	336	-.1	
24	SSI	IP C	02 16 47.1	17.7	.1	3.33	101	21	.0	

24	2 59 24.99		51.61 N 179.12 W	DEPTH = 67.5 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	SSI	EP	02 59 41.7	8.1	.1	3.03	94	290	.0	
		E(S)	02 59 53.8						-.0	
24	ASD	EP	02 59 43.3	5.7	.1	2.92	109	258	-.0	
24	ASB	IP D	02 59 44.1	13.5	.1	3.31	116	257	-.1	
		ES	02 59 58.2						.0	
24	ASC	EP	02 59 44.7				120	263	.1	
24	ANA	EP	02 59 48.5				153	272	-.0	

24	3 27 11.40		51.77 N 179.70 E	DEPTH = 208.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	03 27 39.3	2.5	.1	2.76	49	211	-.2	
24	ASB	EP	03 27 39.7	2.5	.1	2.76	55	215	.0	QS
		E(S)	03 28 .3						-.0	
24	ASC	EP	03 27 39.7				50	228	.2	
24	ANA	EP	03 27 40.3				73	258	-.1	

24	3 35 12.95		51.05 N 179.06 E	DEPTH = 29.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	IPGD	03 35 20.8	799.1	.2	4.37	37	21	.1	
		ES	03 35 26.4						.1	
24	ASD	IPGD	03 35 21.3				43	27	-.1	WHITE OUT
		ES	03 35 27.2						-.4	
24	ASC	IPGD	03 35 22.1				47	9	.2	
24	AND	IPGD	03 35 23.5				58	353	.0	
24	ANA	IPGD	03 35 25.3				70	337	.1	
24	RAT	IPGD	03 35 28.9	266.5	.3	4.02	98	329	-.4	
		ES	03 35 41.3						.1	
24	SSI	IPGD	03 35 29.8	97.5	.1	4.07	101	21	.1	

24	3 37 .39		51.01 N 179.17 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	EP	03 37 8.3	6.9	.1	2.60	40	8	.2	
		ES	03 37 13.8						.0	
24	ASD	IP	03 37 8.7	5.2	.1	2.51	45	16	-.1	
24	ASC	EP	03 37 9.6				51	360	-.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	7	3	50.90	51.37 N	176.31 E	DEPTH = 4.4 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	RAT	EP	07 04 15.5	38.7	.1	3.80	148	70	.3	
24	ANA	EP	07 04 18.3				165	79	.4	
		E(S)	07 04 37.6						.0	
24	AND	EP	07 04 19.7				184	82	-1.1	
24	ASC	EP	07 04 22.6				198	86	-.3	
24	ASR	EP	07 04 24.4	9.4	.2		204	89	.6	
24	ASD	EP	07 04 24.9	6.4	.2		210	88	.1	
24	SSI	EP	07 04 27.5	4.9	.1		234	74	-.1	QP, POOR TAMP
.....										
24	8	40	15.36	51.31 N	178.69 E	DEPTH = 34.7 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	EPG	08 40 23.4				33	34	.3	
24	ANA	IPGC	08 40 23.4				35	357	.1	
24	ASC	EPG	08 40 23.8				37	63	.3	
24	ASR	IPGC	08 40 23.9	2.6	.1	2.22	39	82	.1	
		ES	08 40 29.7						-.3	
24	ASD	IPGC	08 40 24.5	3.5	.1	2.38	46	79	-.2	
		ES	08 40 31.2						-.2	
24	RAT	EP	08 40 26.1	9.3	.1	2.88	59	335	-.3	
.....										
24	9	10	3.87	51.00 N	179.03 E	DEPTH = 24.3 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASR	IPGD	09 10 12.1	44.5	.2	3.41	43	20	.1	
		IS	09 10 17.8						-.1	
24	ASD	IPGD	09 10 12.6	29.8	.1	3.29	49	26	-.2	
24	ASC	IPGD	09 10 13.5				52	10	.2	
24	AND	IPGD	09 10 14.8				63	355	-.1	
24	ANA	IPG	09 10 16.7				74	340	.1	
24	RAT	IP	09 10 20.4	39.7	.2	3.37	102	332	-.2	
		E(S)	09 10 32.8						.0	
24	SSI	IP	09 10 21.4	17.7	.2	3.04	107	21	.0	
.....										
24	9	43	22.97	51.09 N	179.13 E	DEPTH = 37.0 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASR	EPG	09 43 30.7	5.4	.1	2.50	31	15	-.1	
		ES	09 43 36.4						-.0	
24	ASD	IPG	09 43 31.3	4.5	.1	2.45	37	24	-.0	
		ES	09 43 37.4						-.0	
24	ASC	EPG	09 43 32.1				42	3	.2	
24	AND	EPG	09 43 33.6				54	347	.1	QP
24	ANA	EPG	09 43 35.2				64	331	-.1	
24	SSI	EP	09 43 39.1	7.0	.1	2.91	95	19	-.0	
.....										
24	10	7	19.73	52.01 N	179.32 E	DEPTH = 150.7 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	SSI	IP C	10 07 40.1	91.2	.2	3.88	22	125	.0	
24	AND	IP C	10 07 41.1				56	207	-.1	
		ES	10 07 56.7						-.1	
24	ASC	IP C	10 07 41.5				62	190	.0	
24	ANA	IP C	10 07 41.6				62	227	.1	
24	ASD	IP C	10 07 41.8				69	179	-.0	WHITED OUT
		ES	10 07 58.1						.1	
24	ASR	IP C	10 07 42.0	240.8	.2	4.34	72	184	-.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	RAT	IS	10 07 58.3						-0.0	
24	RAT	IP C	10 07 42.0				72	252	-0.0	
24		ES	10 07 58.3						.0	
24	ADK	EP	12 37 56.7							
24		ES	12 38 11.7							
24	ASD	EP	12 38 29.9	3.5	.2					
24		E(L)	12 39 29.3							
24	ASR	EP	12 38 30.9	5.0	.2					
24	ASC	EP	12 38 31.7							
24	AND	EP	12 38 33.6							
24	ANA	EP	12 38 36.1							
24	RAT	IP D	12 52 1.1	12.5	.1	3.22				
24		ES	12 52 13.9							
24	ANA	IP C	12 52 1.8							
24		ES	12 52 14.7							
24	AND	IP C	12 52 2.4							
24		ES	12 52 15.5							
24	ASC	EP	12 52 4.3							QP
24	ASD	EP	12 52 4.5	1.0	.1					
24	13 F 11.35		51.61 N 178.77 E							DEPTH = 21.8 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
24	ANA	FPGD	13 06 15.3				8	283	.0	
24		F(S)	13 06 18.2						.1	
24	AND	IPGC	13 06 15.5				14	113	-.2	
24	ASC	FPG	13 06 17.9				32	121	.1	
24	RAT	IPGD	13 06 18.5	5.2	.1	2.44	37	305	-.0	
24	ASR	IPGD	13 06 19.4	2.3	.1	2.13	43	130	-.0	
24		ES	13 06 25.3						.0	
24	ASD	IPGD	13 06 19.9	1.7	.1	2.02	47	121	.0	
24	SST	IP D	13 06 22.5	4.4	.1	2.55	65	61	-.0	
24		FS	13 06 30.7						.1	
24	19 2 15.15		51.31 N 179.72 E							DEPTH = 59.1 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
24	ASD	IP	18 02 24.8	3.1	.1	2.37	28	288	.0	QS
24		E(S)	18 02 31.7						-.1	
24	ASR	IP	18 02 25.2	2.8	.1	2.35	33	279	.0	
24	ASC	IP	18 02 26.0				42	294	.2	
24	AND	EP	18 02 27.3				60	298	-.2	
24	SST	IP C	18 02 28.1	3.9	.1	2.60	65	352	.0	
24	ANA	EP	18 02 29.8				81	296	-.1	
24	RAT	IP	18 02 33.3	3.7	.1	2.72	110	300	.0	
24		F(S)	18 02 46.6						.1	
24	19 29 13.55		51.13 N 179.20 E							DEPTH = 27.1 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
24	ASR	IP	19 29 19.9	4.8	.1	2.36	26	6	.1	
24		IS	19 29 24.3						-.0	
24	ASD	EP	19 29 20.2	1.1	.1	1.76	31	18	-.2	
24	ASC	EP	19 29 21.3				38	356	.1	
24	AND	EP	19 29 23.0				52	340	-.1	
24	SST	EP	19 29 28.6	4.0	.1	2.64	89	17	.0	
24		ES	19 29 39.5						-.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	21 30 49.23		51.14 N 178.19 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
24	ADK	EP	21 31 10.6				134	51	.5	
		ES	21 31 26.6						1.4	
24	ASD	FPN	21 31 14.1				174	280	-1.0	QPN
		IP	21 31 15.2	15.0	.1	3.47				
24	SST	EP	21 31 14.7	45.7	.1	3.96	175	299	-.5	
		ES	21 31 34.2						.1	
24	ASR	FPN	21 31 15.8				180	279	-.0	QPN
		IP	21 31 16.2	23.8	.1	3.68				
		IS	21 31 34.8						-.4	
24	ASC	FPN	21 31 17.0				188	282	.3	QPN
24	AND	EPN	21 31 19.3				204	285	.5	QPN
		IP	21 31 21.5							
24	ANA	EPN	21 31 21.4				225	285	.0	QPN
		IP	21 31 23.2							
24	RAT	EP	21 31 25.5	28.9	.2		252	288	.8	QP
.....										
25	2 52 36.23		51.38 N 178.77 E	DEPTH = 46.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	AND	EP	02 52 44.5				24	31	.1	
25	ANA	FP	02 52 44.9				29	344	.1	
25	ASC	S(P)	02 52 45.0				29	71	.2	
25	ASR	EP	02 52 45.1	5.3	.1	2.56	33	93	-.0	
		ES	02 52 51.2						-.4	
25	ASD	EP	02 52 45.8	3.8	.1	2.44	39	88	.0	
25	RAT	EP	02 52 47.3	5.5	.1	2.67	56	327	-.2	
25	SST	EP	02 52 50.4	2.9	.1	2.49	80	44	-.0	
.....										
25	3 32 58.00		49.82 N 78.09 E	DEPTH = 0.0 KM MB = 5.9			TELESEISMIC SOLUTION			
EASTERN KAZAKH SSR										
25	RAT	EP	03 42 54.9				6481	46		
25	ANA	EP C	03 42 55.9				6511	46		
25	AND	EP C	03 42 57.9				6531	46		
25	SST	EP	03 42 59.1	38.1	.5		6539	45		
25	ASR	EP C	03 42 59.8				6561	46		
25	ASD	EP C	03 43 .8				6564	46		TELESEISMIC
25	ADK	EP	03 43 11.0				6727	43		
.....										
25	4 32 31.50		51.36 N 179.60 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	ASD	IP C	04 32 44.1	29.0	.1	3.42	73	273	-.1	
		ES	04 32 53.5						.2	
25	ASR	EP	04 32 45.2	22.2	.1	3.34	80	270	.1	
		FS	04 32 54.9						-.1	
25	SST	IP C	04 32 45.5				81	317	.2	
25	ASC	EP	04 32 46.4				86	278	.3	
25	AND	EP	04 32 48.5				103	283	-.0	
25	ANA	EP	04 32 51.5				124	284	-.1	</

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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25	4 40	42.00	60.44 N 152.43 W	DEPTH = 107.0 KM			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										

25	ADK	EP	05 01 47.8							
		ES	05 02 28.5							

25	6 23	1.55	51.41 N 178.78 E	DEPTH = 44.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

25	ANA	IP C	06 23 9.9				25	341	.3	
25	ASC	IP D	06 23 10.0				27	78	.2	
25	ASB	IP D	06 23 10.3	2.8	.1	2.27	33	100	.0	
		ES	06 23 16.4						-.3	
25	ASD	IP	06 23 11.0	4.5	.1	2.50	39	93	.1	
		ES	06 23 17.4						-.3	
25	RAT	IP	06 23 12.1	5.5	.1	2.65	53	324	-.3	
25	SSI	EP	06 23 15.4	2.0	.1	2.31	77	46	.1	

25	6 49	40.24	51.76 N 178.47 W	DEPTH = 200.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

25	ASD	EP	06 50 13.7	1.7	.1	2.65	157	256	.2	SMALL EVENT
25	ASB	EP	06 50 14.1	1.7	.1	2.67	165	255	.0	
		ES	06 50 38.8						.0	
25	ASC	E(P)	06 50 14.4				167	259	.1	
25	AND	EP	06 50 14.9				180	264	-.4	
25	ANA	EP	06 50 16.8				199	267	-.2	
25	RAT	E(P)	06 50 19.4	10.4	.1		221	272	.3	

25	9 31	23.08	51.20 N 178.75 E	DEPTH = 26.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

25	ASB	IP	09 31 30.7	4.4	.1	2.40	39	63	-.0	
		ES	09 31 36.0						-.3	
25	ASC	IP D	09 31 31.2				41	45	.2	
25	AND	EP	09 31 31.4				42	19	.2	
		E(S)	09 31 37.2						.0	
25	ASD	E(P)	09 31 31.8				46	63	.1	
25	ANA	EP	09 31 32.2				47	352	.2	
25	RAT	EP C	09 31 35.2				72	336	-.3	
25	SSI	IP D	09 31 39.0	3.9	.1	2.65	96	37	-.0	

25	11 0	20.47	52.34 N 178.98 E	DEPTH = 150.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

25	ANA	EP	11 00 43.4				82	196	.0	
25	AND	EP	11 00 43.5				86	181	-.1	
25	ASC	EP	11 00 44.7				98	173	.3	
25	ASD	IP D	11 00 45.1	9.0	.1	3.26	108	167	-.1	
25	ASB	IP C	11 00 45.3	32.8	.1	3.82	110	170	-.0	
		IS	11 01 3.5						.0	

25	11 11	42.44	51.41 N 179.43 W	DEPTH = 75.4 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

25	ASD	E(P)	11 11 58.6	.8	.1	2.03	85	269	-.0	
25	ASB	EP	11 11 59.3	1.7	.1	2.36	92	267	-.0	
		ES	11 12 11.6						-.0	
25	ASC	IP C	11 11 59.9				97	274	-.0	

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APR	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	11 12 35.58		51.70 N 179.86 E				41.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	SSI	IP C	11 12 43.4				28	318	-.2	
25	ASD	IP C	11 12 45.8	17.4	.2	2.83	50	226	-.1	
25	ASC	E(P)	11 12 46.6				55	241	.0	
25	ASB	EP	11 12 47.1				57	229	.3	
		ES	11 12 54.4						-.6	
25	AND	EP	11 12 47.7				65	256	-.1	
25	ANA	E(P)	11 12 50.7				83	265	.5	
25	RAT	IP C	11 12 52.8				106	276	-.2	
25	11 17 36.41		51.39 N 178.75 E				46.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	AND	IP C	11 17 44.6				23	37	.1	
25	ANA	IP C	11 17 45.0				27	347	.2	
25	ASC	IP	11 17 45.2				30	75	.2	
25	ASB	IP C	11 17 45.5	6.1	.1	2.63	35	96	.0	
		ES	11 17 51.5						-.5	
25	ASD	IP	11 17 46.1	5.6	.1	2.69	41	90	.0	
25	RAT	EP	11 17 47.1	8.2	.1	2.84	54	327	-.3	
25	SSI	IP	11 17 50.6	4.4	.1	2.67	80	46	.0	
25	RAT	IP D	14 21 34.8							
25	ANA	E(P)	14 21 37.0							VERY EMERGENT
25	AND	E(P)	14 21 39.6							NOT A LOCAL
25	SSI	EP	14 21 46.5	7.3	.2					
25	16 8 44.97		51.24 N 177.31 W				75.0 KM			FIXED DEPTH SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
25	SSI	E(P)	16 09 17.3				227	290	-.3	
25	ASD	E(P)	16 09 18.0	.4	.1		233	276	-.4	VERY EMERGENT
25	ASB	E(P)	16 09 19.0	.4	.1		240	275	-.2	
		ES	16 09 44.1						-.0	
25	AND	E(P)	16 09 22.4				262	279	.6	
25	ANA	E(P)	16 09 24.6				283	280	.2	
25	RAT	E(P)	16 09 27.6				308	283	.1	
25	ADK	IP	17 22 15.3							
		IS	17 22 40.0							
25	SSI	IP C	17 22 42.3							
25	ASD	IP	17 22 45.3	22.3	.1					
		ES	17 23 31.6							
25	ASB	IP	17 22 46.1							
		ES	17 23 32.1							
25	ASC	EP	17 22 46.5							
25	AND	EP	17 22 47.4							
25	ANA	EP	17 22 49.8							
25	RAT	EP	17 22 52.0							
25	ADK	IP	18 59 39.4							
		IS	18 59 48.4							
25	22 31 0.00		51.92 N 170.44 W				52.0 KM	MB = 3.5		TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
25	ADK	EP	22 31 53.7				400	272		
		ES	22 32 34.1							

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.....									
26	6	56	58.92	51.41 N	178.78 E	DEPTH = 45.8 KM.	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
.....									
26	AND	IP	06	57	6.9		21	35	.1
26	ANA	EP	06	57	7.4		25	341	.3
26	ASC	EP	06	57	7.5		27	78	.2
26	ASD	EP	06	57	7.7	1.7 .1 2.06	33	99	-.1
		ES	06	57	13.7				-.5
26	ASD	EP	06	57	8.4		39	93	.1
26	RAT	EP	06	57	9.5		53	324	-.4
26	SSI	EP	06	57	12.9		78	46	.1
		IS	06	57	22.7				-.2
.....									

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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26	11 20 30.18	51.30 N 179.63 W DEPTH = 50.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

26	ASD	EP	11 20 43.2				73	279	-.3	
		ES	11 20 53.1						-.2	
26	ASB	EP	11 20 44.6				79	276	.3	
26	SSI	IP C	11 20 45.0				86	321	-.1	
		ES	11 20 56.2						.2	
26	ASC	EP	11 20 45.3				86	283	.1	

26	11 39 26.13	51.63 N 177.82 E DEPTH = 63.3 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	RAT	IP D	11 39 37.1				40	61	-.1	
		ES	11 39 45.2						-.0	
26	ANA	EP	11 39 38.8				58	90	.1	
26	AND	EP	11 39 40.9				79	95	.1	
26	ASC	EP	11 39 42.7				95	100	.1	
26	ASB	EP	11 39 43.5	4.2	.1	2.76	103	106	-.1	
		ES	11 39 56.3						-.0	
26	ASD	EP	11 39 44.2	2.9	.1	2.62	109	103	-.0	
26	SSI	IP	11 39 46.2	39.9	.1	3.79	125	76	-.0	

26	12 27 26.99	51.00 N 179.04 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	ASB	EP	12 27 35.3	2.3	.1	2.14	43	20	.2	
		ES	12 27 41.0						.0	
26	ASD	EP	12 27 35.7				48	26	-.2	
26	ASC	EP	12 27 36.5				52	10	.1	
26	AND	EP	12 27 37.9				63	355	-.1	

26	ADK	EP	13 30 5.5							
		ES	13 30 14.4							

26	13 48 18.20	51.13 N 179.32 E DEPTH = 30.1 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	ASB	IP D	13 48 24.8				27	349	.0	
		ES	13 48 29.6						.1	
26	ASD	IP D	13 48 24.9				30	3	-.2	
26	ASC	EP	13 48 26.4				39	344	.2	
26	AND	EP	13 48 28.2				55	333	-.1	
26	SSI	IP	13 48 33.1				87	12	.1	
		IS	13 48 43.7						-.1	

26	15 22 35.34	51.02 N 178.27 E DEPTH = 30.6 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	ANA	IP	15 22 48.3				73	22	.2	
26	AND	IP D	15 22 48.6				77	38	-.1	
26	ASB	EP	15 22 48.9	4.2	.1	2.61	78	60	.0	
		ES	15 22 58.6						-.1	
26	ASC	EP	15 22 49.3				80	51	.2	
26	ASD	EP	15 22 49.7				86	60	-.2	
26	RAT	IP C	15 22 50.0	13.8	.1	3.17	87	3	-.2	
26	SSI	IP	15 22 57.1				134	43	.0	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
26	17 45	43.07	50.64 N 178.78 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP	17 46 6.6				156	303	-.6	
26	ASR	EP	17 46 7.3				160	301	-.3	
26	ASC	EP	17 46 8.8				171	303	-.1	
26	SSI	IP C	17 46 10.0				180	321	-.0	
26	AND	EP	17 46 11.1				189	304	-.0	
		ES	17 46 31.5						-.1	
26	ANA	EP	17 46 14.1				210	302	.5	
26	RAT	EP	17 46 17.9				239	304	.7	
.....										
26	18 32	20.30	11.42 N 86.76 W	DEPTH = 69.0 KM MB = 4.7			TELESEISMIC SOLUTION			
			NEAR COAST OF NICARAGUA							
26	ADK	EP	18 44 31.7				9015	321		
.....										
26	21 27	2.53	51.44 N 179.59 E	DEPTH = 43.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP	21 27 9.8	4.3	.1	2.40	18	252	-.2	
		ES	21 27 15.3						-.1	
26	ASR	IP	21 27 10.5	9.6	.1	2.77	25	250	.0	
26	ASC	EP	21 27 11.3				29	275	.5	
26	AND	EP	21 27 12.3				46	287	-.2	
.....										
27	ADK	EP	00 38 55.5							
		ES	00 39 4.0							
.....										
27	1 46	42.93	51.62 N 179.47 E	DEPTH = 82.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASD	E(P)	01 46 55.3	.8	.1	1.93	27	200	.0	
27	ASC	EP	01 46 55.4				28	231	.1	
27	ASB	EP	01 46 55.5	1.7	.1	2.24	33	209	-.1	
		ES	01 47 4.8						.0	
27	SSI	EP	01 46 55.5	2.4	.1	2.39	32	14	-.0	
27	ANA	IP D	01 46 57.1				56	271	.0	
		IS	01 47 7.4						-.0	
.....										
27	4 38	37.90	51.65 N 177.78 W	DEPTH = 38.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIAN ISLANDS							
27	ADK	EP	04 38 52.5				80	70	.5	
		ES	04 39 3.8						1.5	
27	SSI	EP	04 39 5.1				183	280	-.0	
27	ASD	E(P)	04 39 7.5	6.2	.1		201	263	.2	
		ES	04 39 30.3						1.5	
27	ASR	EP	04 39 8.2	6.0	.1		208	262	-.0	
27	ASC	EP	04 39 8.9				212	266	.2	
27	ANA	EP	04 39 13.0				246	271	.2	
27	RAT	EP	04 39 15.8				269	275	.1	
.....										
27	ASD	EP	06 20 42.2	5.3	.1	2.99				
27	ASP	EP	06 20 42.3	3.4	.1	2.80				
		IS	06 21 .8							
27	ASC	EP	06 20 43.9							
27	SSI	IP	06 20 49.8	5.4	.1					

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	6 44	30.39	51.04 N 178.90 E	DEPTH = 28.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASR	IP C	06 44 38.9	588.4	.2	4.26	43	35	.1	
		ES	06 44 44.8						-.1	
27	ASD	IP C	06 44 39.5				50	39	-.2	
27	ASC	IP D	06 44 39.9				50	22	.1	
27	AND	EP	06 44 40.9				58	4	.1	
27	ANA	IP D	06 44 42.3				67	346	.2	
27	RAT	IP C	06 44 45.7	129.1	.1	4.16	93	335	-.2	
27	SST	IP D	06 44 47.9	93.1	.1	4.07	106	27	.0	
.....										
27	11 4	25.99	52.36 N 179.57 E	DEPTH = 17.5 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ANA	IP	11 04 52.8				102	218	10.1	
27	ASC	EP	11 04 52.9				103	196	10.0	
27	RAT	I(P)	11 04 52.9				105	235	9.7	
27	ASD	IP D	11 04 53.2	12.0	.1	3.18	109	189	9.5	
		IS	11 05 13.0						16.5	
27	ASR	EP	11 04 53.3	6.5	.1	2.93	113	192	9.0	
.....										
27	13 14	39.33	51.51 N 179.50 E	DEPTH = 68.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASD	EP	13 14 50.4	4.5	.1	2.57	17	220	.1	
		FS	13 14 57.9						.1	
27	ASR	EP	13 14 50.4	4.3	.1	2.55	24	227	-.2	
		FS	13 14 58.1						-.2	
27	ASC	F(P)	13 14 50.5				24	258	-.0	
27	AND	F(P)	13 14 51.6				38	279	.2	
27	SST	EP	13 14 51.7				43	8	-.0	
27	ANA	F(P)	13 14 53.2				59	283	.1	
27	RAT	IP C	13 14 55.7				87	292	-.2	
.....										
27	13 42	41.08	51.47 N 179.44 E	DEPTH = 16.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASD	EP	13 42 44.8	2.9	.1	1.89	12	217	.2	
27	ASB	EP	13 42 45.2	3.9	.1	2.10	19	227	-.2	
		IS	13 42 48.0						-.5	
27	ASC	IP C	13 42 45.6				19	266	.1	
		ES	13 42 48.6						-.0	
27	SST	I(P)	13 42 49.4				48	12	-.2	
.....										
27	13 45	47.24	51.01 N 179.02 E	DEPTH = 25.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASR	EP	13 45 55.3	4.3	.1	2.41	42	22	.0	
		ES	13 46 1.1						-.0	
27	ASD	IP C	13 45 56.0	2.9	.1	2.23	48	28	-.1	
27	ASC	IP C	13 45 56.7				51	11	.1	
27	ANA	F(P)	13 45 59.7				73	340	-.0	
27	SST	IP	13 46 4.6				105	22	-.0	
.....										
27	ASR	EP	13 46 26.6	1.3	.1	1.91				
		ES	13 46 32.3							
27	ASD	EP C	13 46 27.2	1.7	.1	2.06				
27	ASC	EP C	13 46 27.9							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	14 57 26.50		51.76 N 179.02 E	DEPTH = 58.1 KM		FREE DEPTH SOLUTION				
			PAT ISLANDS, ALEUTIAN ISLANDS							
27	ANA	IP C	14 57 35.9				29	240	-.4	
27	AND	IP C	14 57 36.6				22	193	.7	
27	SST	IP	14 57 37.2	5.8	.1	2.75	42	68	-.1	
27	ASR	IP	14 57 37.7	3.0	.1	2.42	47	160	-.0	
	ES		14 57 45.5						-.3	
.....										
27	19 22 49.74		51.43 N 178.91 E	DEPTH = 62.7 KM		FREE DEPTH SOLUTION				
			PAT ISLANDS, ALEUTIAN ISLANDS							
27	AND	IP	19 22 59.3				15	12	.0	
	ES		19 23 6.2						-.0	
27	ASC	IP C	19 22 59.4				18	79	.0	
27	ASR	IP C	19 22 59.7	5.6	.1	2.65	25	109	-.0	
27	ASD	IP C	19 23 0.0	2.9	.1	2.38	30	99	-.0	
27	RAT	E(P)	19 23 2.2	5.5	.1	2.73	57	316	-.0	
.....										
27	ASR	EP	19 54 22.2	3.0	.1	2.73				
	ES		19 54 40.2							
27	ASD	E(P)	19 54 22.4	1.7	.1	2.48				
27	AND	EP	19 54 25.1							
27	RAT	EP	19 54 29.9	2.7	.1					
27	SST	IP C	19 54 30.8	8.8	.1					
.....										
27	21 50 32.92		51.73 N 179.15 E	DEPTH = 79.2 KM		FREE DEPTH SOLUTION				
			PAT ISLANDS, ALEUTIAN ISLANDS							
27	ASD	EP	21 50 45.2	4.5	.1	2.66	40	160	-.4	
	F(S)		21 50 54.6						-.2	
27	SST	IP	21 50 45.3				35	59	.0	
27	ANA	EP	21 50 45.4				35	252	.1	
27	ASC	EP	21 50 45.5				29	178	.5	
27	RAT	IP	21 50 46.6				57	278	-.2	
.....										
27	22 28 45.20		52.13 N 178.19 E	DEPTH = 138.0 KM		MB = 4.6	TELESEISMIC SOLUTION			
			PAT ISLANDS, ALEUTIAN ISLANDS							
27	RAT	IP	22 29 4.8				38	166	.3	
27	ANA	IP D	22 29 6.2				65	150	.5	
27	AND	IP D	22 29 7.2				82	140	.4	
27	ASC	IP D	22 29 8.5				100	138	.4	
27	SST	IP D	22 29 9.0				99	105	1.0	
27	ASR	IP D	22 29 9.1				113	139	.0	
	ES		22 29 26.1						-.4	
27	ASD	IP D	22 29 9.4				114	136	.2	
27	SMY	EP	22 29 26.3				285	285	-.7	
27	ADK	EP	22 29 35.1				352	92	.4	
	FS		22 30 12.6						1.7	
27	CSA	E(P)	22 31 15.0				1155	70	2.5	
27	GMA	EP	22 32 36.5				1890	30	-6.6	
.....										
27	22 49 44.41		51.39 N 178.79 E	DEPTH = 45.8 KM		FREE DEPTH SOLUTION				
			PAT ISLANDS, ALEUTIAN ISLANDS							
27	AND	EP	22 49 52.4				22	30	.0	
27	ASC	EP	22 49 52.9				27	73	.2	
27	ANA	EP	22 49 52.9				28	341	.1	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASB	EP	22 49 53.1	4.7	.1	2.50	32	96	-.0	
		ES	22 49 59.1						-.4	
27	ASD	EP	22 49 53.8	3.8	.1	2.43	38	90	.1	
27	RAT	EP	22 49 55.4				55	325	-.2	
27	SSI	EP	22 49 58.3				78	44	-.0	
.....										
27	23 52 18.76	51.53 N 178.88 E DEPTH = 47.8 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	AND	IP	23 52 26.4				6	57	.1	
		ES	23 52 31.6						-.1	
27	ANA	EP	23 52 26.7				18	306	-.0	
27	ASC	EP	23 52 27.0				21	111	.1	
27	ASD	IP C	23 52 27.9	3.8	.1	2.43	36	116	-.1	
27	RAT	IP	23 52 29.2				48	309	-.0	
.....										
28	0 6 59.58	51.20 N 178.57 E DEPTH = 24.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	AND	IPG	00 07 8.6				49	33	.1	DO
28	ASB	IPG	00 07 8.7				51	69	-.1	DO
		ES	00 07 15.2						-.3	
28	ANA	IPG	00 07 8.7				48	8	.2	DO
28	ASC	IPG	00 07 9.4				51	54	.6	DO
28	ASD	IPG	00 07 9.7				58	68	-.2	FROM BRUSH RCDR
		ES	00 07 17.2						-.2	
28	RAT	IP C	00 07 11.1	18.2	.2	2.90	69	346	-.4	DEVELOCORDER
28	SSI	IP C	00 07 16.8				105	42	-.0	DEVELOCORDER
.....										
28	1 6 16.45	51.62 N 179.79 E DEPTH = 64.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASD	EP	01 06 27.6	.7	.1	1.79	40	231	.0	
28	ASB	EP	01 06 28.1	2.7	.1	2.40	47	233	-.1	
		IS	01 06 36.7						.0	
28	ASC	EP	01 06 28.2				46	248	.1	
28	AND	EP	01 06 29.0				58	264	-.1	
28	ANA	EP	01 06 31.2				78	271	.1	
.....										
28	1 56 46.37	52.16 N 178.69 E DEPTH = 80.7 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	RAT	IP	01 56 59.6	10.5	.1	3.05	47	212	-.1	
		ES	01 57 9.4						.1	
28	ANA	EP	01 57 .6				59	182	.0	
		ES	01 57 10.9						-.0	
28	AND	EP	01 57 1.4				69	165	.0	
		ES	01 57 12.3						-.0	
.....										
28	4 9 43.07	51.68 N 177.77 E DEPTH = 67.6 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	RAT	IPGD	04 09 54.5	23.5	.1	3.33	41	71	-.1	
		ES	04 10 3.1						.1	
28	ANA	EP	04 09 56.4				62	95	.1	
		ES	04 10 5.9						-.1	
28	AND	EP	04 09 58.2				83	99	-.3	
28	ASC	EP	04 10 .8				99	103	.5	
28	ASB	EP	04 10 1.3	1.3	.1	2.27	108	109	-.0	QP

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ASD	EP	04 10 1.7	.8	.1	2.09	113	106	-.2	
.....										
28	4 39	1.55	51.43 N 178.80 E	DEPTH = 43.5 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
28	AND	IP C	04 39 9.1				19	35	-.0	
28	ANA	IP D	04 39 9.6				24	336	.1	
28	ASC	IP C	04 39 9.9				26	81	.2	
28	ASB	IP D	04 39 10.1	6.5	.1	2.63	32	104	-.1	QOIR, POOR TAMP.
		ES	04 39 16.2						-.2	
28	ASD	EP D	04 39 10.8	14.7	.1	3.01	38	96	.0	QOIR
28	RAT	IP D	04 39 12.3	7.5	.1	2.78	53	322	-.1	
28	SST	IP C	04 39 15.2	8.9	.1	2.95	75	46	.1	
		ES	04 39 24.9						-.1	
.....										
28	ASB	EP	04 40 12.4	2.5	.1	2.64				
		ES	04 40 29.7							
28	ASD	EP	04 40 12.8	5.2	.2	2.66				
		ES	04 40 30.5							
28	ASC	EP	04 40 13.1							
28	AND	EP	04 40 13.3							
28	ANA	EP	04 40 13.6							
28	SST	EP	04 40 21.2	8.4	.1					
28	ADK	IP	05 38 1.5							
		ES	05 38 10.8							
28	SST	EP	05 38 24.7	29.5	.1					
28	ASD	EPN	05 38 25.0	12.6	.2					
		E(S)	05 38 57.8							
28	ASB	EPN	05 38 25.9	14.0	.2					
28	ASC	EPN	05 38 27.1							
		E(S)	05 39 2.2							
28	AND	EPN	05 38 29.1							
28	ANA	EPN	05 38 31.8							
28	RAT	EP	05 38 34.8	13.9	.1					
28	ADK	IP D	06 04 48.5							
		IS	06 04 57.8							
28	SST	EP	06 05 11.6	17.7	.1					
28	ASD	EPN	06 05 11.8	14.7	.2					
		EPG)	06 05 16.1							
		I(L)	06 05 45.3							
28	ASB	EPN	06 05 13.1	16.8	.2					
		EPG)	06 05 17.9							
28	ASC	EPN	06 05 14.0							
		EPG)	06 05 18.3							
28	AND	EPN	06 05 16.3							QPN
		EPG	06 05 19.5							
		I(L)	06 05 52.4							
28	ANA	EP	06 05 18.5							
28	RAT	EP	06 05 21.8	34.7	.2					
.....										
28	9 13	55.77	51.66 N 177.83 E	DEPTH = 64.2 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
28	RAT	IP D	09 14 6.7	21.4	.1	3.27	39	65	-.0	
		ES	09 14 14.2						-.5	
28	ANA	EP	09 14 8.5				58	93	.1	
		ES	09 14 18.5						.9	
28	ASC	EP	09 14 12.7				95	103	.3	
28	ASB	EP	09 14 13.1	5.2	.1	2.85	104	108	-.3	
28	ASD	EP	09 14 13.8	6.9	.2	2.69	109	105	-.2	
		ES	09 14 26.8						-.4	
28	SST	IP	09 14 15.9	10.8	.1	3.23	124	77	.2	
		ES	09 14 30.2						-.1	

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	11 22 15.74	51.04 N 179.23 W DEPTH = 75.0 KM DEAROF ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION	
28	ASD	EP	11 22 33.9	2.4	.1	2.54	107	292	-.3	
		E(S)	11 22 47.6						-.1	
28	ASR	EP	11 22 35.4	7.2	.2	2.73	112	289	.6	QP
28	ASC	EP	11 22 36.1				121	294	.3	
28	SST	EP	11 22 36.3	12.2	.1	3.30	126	320	-.0	
		ES	11 22 51.5						.2	
28	AND	EP	11 22 37.3				139	296	-.6	
28	11 38 16.20	51.57 N 178.79 E DEPTH = 21.3 KM PAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
28	AND	TPGD	11 38 20.1				11	96	-.1	LOCAL TO AND
		IS	11 38 23.0						-.2	
28	ANA	TPGC	11 38 20.4				11	303	.2	
28	ASC	EPG	11 38 22.2				28	115	.0	
28	ASD	TPGC	11 38 23.4	35.2	.1	3.29	39	127	-.2	
		IS	11 38 29.8						.7	
28	PAT	TPGC	11 38 23.9	62.1	.1	3.54	41	308	.1	
28	ASD	TPGC	11 38 24.0	44.1	.1	3.41	43	118	-.2	
28	SST	TPGD	11 38 27.4	13.3	.1	3.03	65	57	-.0	
		IS	11 38 35.8						.2	
28	12 48 19.30	51.13 N 179.84 E DEPTH = 14.7 KM PAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
28	ASD	TPG	12 48 28.0	3.1	.1	2.25	45	311	.0	
		ES	12 48 33.9						.0	
28	ASR	EPG	12 48 28.5	1.8	.1	2.05	49	303	.0	POOR TAMP
28	ASC	EPG	12 48 30.2				60	309	.0	
28	13 35 11.28	51.63 N 179.25 E DEPTH = 70.8 KM PAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
28	ASC	EP	13 35 22.0				19	199	.1	
28	ASD	TP	13 35 22.1	2.8	.1	2.39	27	167	-.2	
		ES	13 35 30.4						.1	
28	SST	EP	13 35 23.0	6.0	.1	2.75	37	38	.1	
		ES	13 35 31.2						-.1	
28	ANA	EP	13 35 23.1				41	270	-.0	
28	ADK	EP	15 52 0.0							0
		ES	15 56 40.0							
		EP	15 59 50.0							
28	16 27 46.57	51.04 N 179.44 E DEPTH = 100.0 KM PAT ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION	
28	ASD	EPG	16 28 1.2	4.6	.1	2.75	40	351	-.3	
		ES	16 28 11.9						-.5	
28	ASP	IPG	16 28 1.8	6.1	.1	2.87	38	340	.4	
		ES	16 28 13.2						.9	
28	ASC	IPG	16 28 1.9				51	338	-.2	
28	AND	EPG	16 28 3.6				68	330	.3	QP
28	ANA	EPG	16 28 4.3				85	321	-.4	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	19 51	33.67	51.70 N 178.33 E	DEPTH = 81.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	RAT	EP	19 51 45.3	56.6	.1	3.73	11	359	-.1	
		ES	19 51 53.8						-.2	
28	ANA	IP C	19 51 45.9				24	109	.1	
		ES	19 51 54.9						.3	
28	AND	IP C	19 51 47.0				45	109	.1	
28	ASC	EP	19 51 48.5				63	114	.2	
28	ASR	EP	19 51 49.1	4.9	.1	2.79	74	120	-.1	
		ES	19 52 .4						-.1	
28	ASD	IP C	19 51 49.5	20.2	.1	3.41	78	116	-.1	
		IS	19 52 1.1						-.1	
28	SSI	EP	19 51 50.7	6.2	.1	2.93	89	75	.0	POOR TAMP
28	20 1	43.05	51.41 N 178.77 E	DEPTH = 44.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ANA	EP	20 01 51.1				25	343	-.0	
28	ASC	EP	20 01 51.4				28	77	.1	
28	ASR	EP	20 01 51.8	1.6	.1	2.03	33	99	-.0	
28	ASD	EP	20 01 52.4	1.8	.1	2.11	40	93	-.0	
		I(S)	20 01 59.2						-.0	
28	ASD	EP	20 44 32.1	1.4	.1					NO S VISIBLE
28	ASB	EP	20 44 32.6	1.8	.1					
28	ASC	EP	20 44 33.8							
28	20 59	30.13	51.14 N 179.27 E	DEPTH = 34.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASR	IPGC	20 59 37.1	43.4	.1	3.36	25	356	.0	
		IS	20 59 42.2						.1	
28	ASD	IPGC	20 59 37.3	62.6	.1	3.54	29	10	-.1	
		ES	20 59 42.6						-.1	
28	ASC	IPGC	20 59 38.5				37	348	.2	
28	AND	EPG	20 59 40.2				52	335	-.0	
28	ANA	IPGC	20 59 42.4				69	322	-.1	
28	SST	IP C	20 59 45.1	13.7	.1	3.17	87	14	.0	
28	RAT	EP	20 59 46.8				99	319	.0	
28	21 19	52.94	51.40 N 178.87 E	DEPTH = 42.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	AND	IPG	21 20 .4				19	18	-.0	
28	ASC	EPG	21 20 .8				22	71	.2	
28	ASR	EPG	21 20 .9	4.5	.1	2.44	27	99	-.1	
		ES	21 20 6.7						-.1	
28	ANA	IPG	21 20 1.3				29	330	.1	
28	ASD	IPGC	21 20 1.5	10.4	.1	2.83	33	91	-.0	
		IS	21 20 7.7						-.1	
28	RAT	IP	21 20 4.2	18.9	.1	3.21	58	320	-.2	
28	SST	IP	21 20 6.5	6.3	.1	2.80	74	42	.2	
		IS	21 20 15.9						-.2	

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
28	22 37 29.33		50.99 N 179.98 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
28	ASD	EPG	22 37 41.4	21.8	.2	3.02	65	314	-.4	
28	ASB	EPG	22 37 41.9	27.1	.2	3.12	68	308	-.2	
		ES	22 37 51.2						-.3	
28	ASC	EPG	22 37 43.4				79	312	-.1	
28	AND	EPG	22 37 46.0				98	311	.3	
28	SSI	IPG	22 37 46.5	18.2	.1	3.38	105	344	-.1	
		ES	22 37 59.3						.2	
28	ANA	EPG	22 37 48.8				118	307	.6	
.....										
.....										
28	23 46 21.76		51.98 N 179.70 E	DEPTH = 136.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	SSI	IP	23 46 40.2	4.9	.1	2.87	12	220	-.0	
28	ASD	EP	23 46 42.3	1.4	.1	2.37	70	201	-.1	
28	ASC	EP	23 46 42.5				68	213	.2	
28	ASB	EP	23 46 42.6	5.2	.1	2.95	76	205	-.1	
		ES	23 46 58.0						-.0	
28	ANA	EP	23 46 43.2				82	242	.1	
28	RAT	EP	23 46 44.1	9.8	.1	3.25	96	259	-.1	
.....										
29	ADK	EP	02 14 35.0							
.....										
29	2 41 .46		50.79 N 178.25 E	DEPTH = 23.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	EP	02 41 16.1				94	47	-.0	
		ES	02 41 27.5						-.0	
29	ANA	EP	02 41 16.6				98	17	.0	
29	ASC	EP	02 41 16.7				99	40	-.0	
29	ASD	EP	02 41 17.2				102	48	.0	
.....										
.....										
29	5 36 42.70		51.27 N 179.17 E	DEPTH = 47.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IP D	05 36 50.3	11.4	.1	2.83	12	28	-.0	
		IS	05 36 55.8						-.1	
29	ASD	IP C	05 36 50.6				18	41	-.0	
29	ASC	IP	05 36 51.0				22	359	.2	
29	AND	IP	05 36 52.0				36	336	.0	
		IS	05 36 58.7						-.0	
29	SSI	IP D	05 36 56.3	7.3	.1	2.88	76	23	-.0	
		IS	05 37 6.3						.0	
29	RAT	IP	05 36 57.2	10.9	.1	3.08	83	316	-.0	
.....										
.....										
29	7 20 57.10		60.18 N 147.68 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
.....										
29	ADK	EP	11 06 54.0							
		ES	11 07 15.7							
.....										
29	15 26 35.20		53.21 N 170.61 E	DEPTH = 27.0 KM MB = 5.1			TELESEISMIC SOLUTION			
NEAR ISLANDS, ALEUTIAN ISLANDS										
29	SMY	IPD	15 27 10.0				241	101		
29	RAT	IP	15 27 48.0				548	104		
		ES	15 28 42.8							

APR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ANA	EP	15 27 53.5				576	105		
29	AND	EP	15 27 57.0				597	105		
		ES	15 28 58.8							
29	ASC	EP	15 27 58.5				615	105		
29	ASB	EP	15 27 59.0				625	106		
29	ASD	EP	15 28 .1				630	105		
29	SSI	IP	15 28 1.5				627	100		
29	ADK	EP	15 28 28.4				874	95		
		ES	15 29 55.5							
29	CSA	E(P)	15 29 56.2				1612	75		
29	GMA	EP	15 30 53.5				2075	38		
.....										
29	19 56 11.60	12.64 N 122.34 E	DEPTH =	4.0 KM	MB = 5.5	MS = 5.7	TELESEISMIC SOLUTION			
		LUZON, PHILIPPINE ISLANDS								
29	ADK	EP	20 06 36.8				5933	38		
		ES	20 15 10.0							
		FL	20 22 0.0							
.....										
29	ADK	IP D	23 16 5.2							
		IS	23 16 12.5							
30	ADK	EP	11 04 2.9							
		ES	11 04 23.1							
30	ASD	IP	11 04 30.4	19.5	.1					NO S VISIBLE.
30	ASB	IP	11 04 31.1							
30	ASC	IP	11 04 31.8							
30	AND	IP	11 04 35.2							
30	ADK	EP	12 14 58.6							
		ES	12 15 21.8							
.....										
30	14 5 49.00	51.70 N 179.92 E	DEPTH =	93.0 KM	MB = 5.2		TELESEISMIC SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
30	ASD	IP D	14 06 3.2				53	230	-7	LARGE. ALL
		IS	14 06 12.3						-2.5	
30	ASB	IP D	14 06 3.8				60	232	-7	LEVELS OVERLOAD
30	SSI	IP D	14 06 4.0				32	313	1.3	
30	ASC	IP D	14 06 4.4				59	244	.0	
		IS	14 06 15.0						-6	
30	AND	IP	14 06 5.2				69	258	.1	
30	ANA	IP	14 06 7.4				88	265	.6	
30	RAT	IP D	14 06 9.9				110	276	.9	
30	ADK	IP C	14 06 23.2				234	84	.2	FELT. 4.4ML.
		IS	14 06 48.7						.8	
30	SMY	EP	14 06 48.2				413	288	3.5	
30	CSA	EP	14 08 7.2				1063	66	2.6	
30	GMA	EP	14 09 43.0				1873	28	-1.6	
.....										
30	15 48 6.50	52.76 N 172.45 E	DEPTH =	37.0 KM	MB = 5.5	MS = 5.0	TELESEISMIC SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
30	SMY	IPC	15 48 24.2				111	91	-7	
30	RAT	IP	15 49 3.4				414	103	1.1	
30	ANA	IP	15 49 7.7				442	104	1.9	NOT LOCAL
30	AND	EP	15 49 10.1				464	104	1.7	
30	ASC	EP	15 49 12.4				481	105	1.8	
30	ASB	EP	15 49 13.0				490	106	1.3	
30	ASD	EP	15 49 13.9				495	105	1.6	
30	SSI	IP	15 49 14.1				495	98	1.8	
30	ADK	EP	15 49 44.6				745	93	1.4	FELT.
		ES	15 51 2.5						8.8	

APP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 30	CSA	EP	15 51 20.5				1503	73	3.8	
. 30	GMA	EP	15 52 20.4				2049	36	-3.7	
.....										
. 30	17 1 37.43	51.37 N 178.83 E DEPTH = 44.5 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 30	ASC	IP	17 01 45.5				25	67	-.0	
. 30	ASP	IP	17 01 45.8	4.7	.1	2.48	29	93	-.0	
		ES	17 01 51.9						-.0	
. 30	ASD	IP	17 01 46.4	5.6	.1	2.58	35	87	-.0	
.....										
. 30	22 42 19.81	52.00 N 179.41 E DEPTH = 158.0 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 30	SST	IP	22 42 41.0				17	134	.0	
. 30	ASD	IP	22 42 42.5	13.4	.1	3.40	68	184	-.2	
		IS	22 42 59.4						.0	
. 30	ASP	IP	22 42 43.1				72	189	.2	
. 30	PAT	IP	22 42 43.2	59.6	.1	4.05	77	254	-.0	
.....										

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	3 19 3.32	51.91 N	178.73 W	119.0 F	3.7		DELAROF ISLANDS, ALEUTIAN ISLANDS
01	4 6 37.80	51.39 N	179.27 W	53.0 T	4.2		DELAROF ISLANDS, ALEUTIAN ISLANDS
01	4 51 19.65	51.07 N	177.93 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
01	6 12 37.44	51.37 N	179.31 E	58.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
1	7 39 29.70	60.09 N	149.24 W	16.0 T	4.3		KENAI PENINSULA, ALASKA
01	7 48 47.55	51.07 N	179.17 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	8 29 57.02	51.76 N	179.21 E	94.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 31 22.00	51.06 N	178.17 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
01	13 42 4.72	51.10 N	179.42 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	15 24 3.83	51.64 N	179.70 W	45.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
1	17 16 17.20	60.29 N	153.04 W	111.0 T	4.4		SOUTHERN ALASKA
01	19 38 18.80	29.84 S	179.26 W	214.0 T	5.3		KERMADEC ISLANDS REGION
01	20 49 39.74	51.81 N	179.94 W	108.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	2 40 14.90	25.82 S	177.41 W	193.0 T	4.6		SOUTH OF FIJI ISLANDS
02	7 19 20.48	51.25 N	177.80 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
02	14 35 13.55	51.97 N	179.36 W	115.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
2	14 50 49.80	61.44 N	150.09 W	47.0 T			SOUTHERN ALASKA
02	14 57 18.25	51.75 N	179.85 W	93.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	17 11 38.80	51.41 N	179.88 W	75.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	19 41 58.30	54.92 N	157.96 W	33.0 T	4.5		SOUTH OF ALASKA
02	23 43 9.59	51.67 N	177.79 E	67.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	7 39 12.14	52.12 N	179.80 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	7 51 18.31	51.51 N	178.76 E	10.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	11 39 13.50	51.18 N	179.25 W	50.0 T	4.5		DELAROF ISLANDS, ALEUTIAN ISLANDS
03	11 46 7.05	50.62 N	177.34 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 37 38.21	52.31 N	179.63 E	194.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
3	13 50 29.00	56.61 N	152.60 W	33.0 T	4.1		KODIAK ISLAND REGION
03	15 52 32.02	51.47 N	179.26 E	68.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	16 38 49.14	51.44 N	178.76 E	45.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	19 2 27.76	51.59 N	176.28 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	22 54 12.45	51.36 N	179.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
04	0 38 25.99	51.16 N	179.15 E	45.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	9 27 18.12	51.74 N	179.86 W	88.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	10 15 37.20	56.24 S	122.46 W	33.0 T	6.2	6.6	EASTER ISLAND CORDILLERA
04	18 39 39.20	38.37 N	142.09 E	52.0 T	5.8		NEAR EAST COAST OF HONSHU, JAPAN
04	21 36 10.41	51.01 N	179.31 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	23 26 53.39	51.76 N	179.42 E	97.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	0 45 23.30	51.39 N	179.70 E	28.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	0 47 59.37	51.81 N	178.75 E	101.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	3 55 6.10	53.31 N	170.48 W	251.0 T	3.7		FOX ISLANDS, ALEUTIAN ISLANDS
05	5 2 11.80	.31 S	124.73 E	33.0 T	5.8		MOLUCCA SEA
05	9 4 42.80	53.36 N	170.55 W	153.0 T	5.8		FOX ISLANDS, ALEUTIAN ISLANDS
5	14 53 16.80	65.88 N	156.26 W	35.0 T			ALASKA
05	15 53 29.83	51.56 N	179.99 W	72.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	23 14 2.04	51.37 N	178.49 E	19.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	1 3 35.81	51.76 N	178.63 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	5 35 4.90	52.22 N	174.66 W	159.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
06	7 3 14.67	51.45 N	178.85 E	41.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	9 8 58.33	51.57 N	177.70 E	54.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	11 15 55.48	51.31 N	179.20 W	27.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	11 6 30.60	22.22 S	179.56 W	603.0 T	5.6		SOUTH OF FIJI ISLANDS
06	12 0 56.34	52.26 N	179.79 E	145.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	15 31 52.58	51.06 N	179.41 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	15 56 20.20	18.52 N	145.56 E	201.0 T	5.1		MARIANA ISLANDS
06	16 1 25.20	23.82 S	179.16 E	540.0 T	5.3		SOUTH OF FIJI ISLANDS
6	20 58 5.10	65.84 N	155.72 W	57.0 T			ALASKA
06	21 57 27.80	51.24 N	179.21 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	4 59 39.40	2.44 N	129.12 E	47.0 T	6.5	6.6	HALMAHERA
07	7 27 29.52	51.84 N	179.62 E	105.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	7 42 13.35	51.37 N	178.86 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	8 53 24.30	52.11 N	173.55 E	54.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
07	9 16 32.94	51.48 N	179.23 E	67.9 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
07	10 45 17.41	50.92 N	179.53 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	11 14 8.43	50.98 N	178.59 W	15.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	13 42 28.78	51.44 N	179.02 W	65.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
7	22 16 22.90	61.41 N	146.73 W	59.0 T			SOUTHERN ALASKA
07	23 13 55.70	52.12 N	179.64 E	190.0 T	3.6		RAT ISLANDS, ALEUTIAN ISLANDS
8	5 26 20	58.76 N	153.82 W	26.0 T	4.1		KODIAK ISLAND REGION
08	7 45 57.80	4.33 S	102.40 E	75.0 T	6.3		SOUTHERN SUMATRA
08	19 0 31.70	52.72 N	178.49 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	0 51 13.40	51.52 N	178.78 E	55.0 T	4.9		RAT ISLANDS, ALEUTIAN ISLANDS
9	4 42 56.70	60.04 N	152.88 W	136.0 T			SOUTHERN ALASKA
09	7 3 57.86	51.45 N	178.78 E	45.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	9 17 26.22	51.06 N	179.30 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	10 43 28.68	51.31 N	178.63 E	26.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	12 20 50.27	51.47 N	178.82 E	47.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	16 41 39.26	51.48 N	178.83 E	46.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	17 32 27.06	50.88 N	178.83 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	17 45 22.44	51.42 N	178.79 E	45.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	18 9 21.75	50.17 N	177.48 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	0 36 44.00	52.06 N	169.91 W	51.0 T	4.8		FOX ISLANDS, ALEUTIAN ISLANDS
10	1 22 17.20	21.26 S	178.77 W	542.0 T	5.7		FIJI ISLANDS REGION
10	10 18 30.60	62.09 N	149.61 W	76.0 T			CENTRAL ALASKA
10	11 46 4.23	51.31 N	179.95 E	44.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	12 4 59.79	51.42 N	178.79 E	44.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 3 24.92	51.42 N	178.63 E	41.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	3 2 2.13	51.41 N	178.77 E	44.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	4 44 12.98	51.62 N	179.46 W	65.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	8 43 23.43	51.38 N	177.88 W	75.0 D			ANDREANOF ISLANDS, ALEUTIAN ISLANDS
11	11 33 45.90	60.28 N	150.44 W	50.0 T			KENAI PENINSULA, ALASKA
11	15 15 37.34	51.40 N	178.79 E	40.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	3 57 10.14	50.94 N	178.99 W	23.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	8 52 21.83	51.25 N	178.76 E	28.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (CMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
12	9 50 20.50	51.56 N	174.09 W	9.0 T	4.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
12	12 6 38.50	60.05 N	152.81 W	89.0 T	4.0		SOUTHERN ALASKA
12	12 10 34.70	51.29 N	177.07 W	52.0 T	4.8		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
12	12 52 42.48	51.48 N	179.17 E	33.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 30 48.90	51.36 N	179.97 W	81.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	13 46 39.03	50.33 N	178.12 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 27 16.98	51.42 N	178.77 E	46.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	21 0 37.30	17.89 S	178.19 W	612.0 T	5.3		FIJI ISLANDS REGION
12	21 11 44.38	51.42 N	178.82 E	43.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	22 47 27.98	51.56 N	178.79 E	23.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	7 37 25.59	51.13 N	179.96 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	7 47 48.57	51.43 N	178.81 E	39.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	13 1 23.00	51.23 N	179.93 E	37.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	13 35 26.57	51.04 N	179.84 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 30 1.95	51.41 N	178.77 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 39 19.08	51.36 N	179.93 E	24.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 47 24.20	17.72 S	178.79 W	559.0 T	5.3		FIJI ISLANDS REGION
13	20 18 11.90	51.71 N	176.36 W	56.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
13	21 8 43.50	60.31 N	150.82 W	44.0 T	3.9		KENAI PENINSULA, ALASKA
13	21 39 23.51	51.05 N	179.05 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	0 54 34.02	51.23 N	179.11 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	6 54 56.16	51.47 N	179.23 W	89.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	9 21 45.20	51.05 N	179.63 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	12 59 1.91	51.09 N	179.28 E	31.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 18 55.01	51.62 N	179.06 E	80.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	15 18 12.50	64.87 N	147.70 W	24.0 T	4.1		CENTRAL ALASKA
14	15 35 5.23	51.82 N	179.48 E	203.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	17 42 38.40	51.34 N	178.83 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	5 48 16.31	52.26 N	177.96 E	196.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	6 50 33.79	51.37 N	179.35 E	54.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	9 40 2.95	52.13 N	178.65 E	73.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	10 33 34.66	50.95 N	177.81 W	75.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
15	10 59 7.00	51.28 N	178.61 E	44.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	13 25 27.78	50.80 N	179.17 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	14 27 15.74	51.38 N	178.75 E	44.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	16 37 42.99	51.34 N	177.81 W	150.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
15	16 55 31.69	51.39 N	178.59 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	19 26 4.12	51.39 N	178.77 E	44.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	19 46 48.50	51.35 N	179.59 E	63.0 T	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
16	13 26 25.31	51.01 N	179.10 E	29.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	13 58 2.70	53.92 N	165.13 W	66.0 T	3.7		FOX ISLANDS, ALEUTIAN ISLANDS
16	16 16 47.15	52.08 N	179.54 E	166.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	16 47 14.50	52.46 N	178.33 W	164.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	19 23 33.50	51.06 N	179.00 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	20 38 50.30	64.50 N	147.13 W	25.0 T			CENTRAL ALASKA
16	22 28 24.18	51.70 N	178.97 W	73.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	23 48 24.72	52.00 N	179.09 E	47.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	1 37 9.50	51.62 N	177.80 E	65.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	1 41 20.10	6.29 S	154.74 E	72.0 T	5.7		SOLOMON ISLANDS
17	4 43 55.90	62.15 N	153.43 W	33.0 T			CENTRAL ALASKA
17	8 17 30.81	51.56 N	177.83 E	60.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	10 7 6.93	51.38 N	179.32 E	50.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	17 46 16.78	51.37 N	179.83 W	26.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	18 4 5.75	51.25 N	179.89 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	19 23 24.95	51.47 N	179.49 W	54.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	19 46 27.20	59.67 N	152.65 W	75.0 T	4.0		SOUTHERN ALASKA
17	22 37 17.20	63.54 N	150.82 W	33.0 T			CENTRAL ALASKA
18	9 0 33.22	51.45 N	178.81 E	41.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	9 35 1.70	51.31 N	179.91 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	10 25 50.74	52.54 N	178.49 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	13 38 40.63	52.47 N	179.80 E	116.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	15 17 16.23	51.41 N	178.83 E	45.6 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
19	3 53 37.00	51.11 N	179.95 W	33.0 T	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
19	8 46 59.94	51.47 N	179.49 E	28.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	19 29 23.38	51.32 N	179.79 E	64.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	19 46 25.80	59.56 N	152.40 W	135.0 T			SOUTHERN ALASKA
20	0 24 59.50	60.74 N	151.28 W	50.0 T			KENAI PENINSULA, ALASKA
20	1 6 4.01	51.21 N	178.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	1 17 53.30	66.32 N	157.48 W	33.0 T			ALASKA
20	1 32 51.60	62.42 N	151.15 W	75.0 T	3.7		CENTRAL ALASKA
20	5 8 4.33	51.16 N	179.06 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	9 56 43.68	51.43 N	179.62 E	83.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 29 55.00	51.35 N	178.75 E	39.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	0 57 4.25	52.16 N	178.46 W	172.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	3 31 24.81	51.30 N	179.63 E	57.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	6 42 16.30	53.85 N	161.52 W	21.0 T	5.1	5.4	SOUTH OF ALASKA
21	8 57 49.30	52.26 N	178.53 W	199.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	9 45 27.06	51.40 N	178.76 E	46.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	14 56 37.93	51.15 N	178.16 E	24.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	14 59 27.58	51.38 N	179.07 E	45.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	15 14 2.02	51.51 N	179.26 E	63.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	17 43 42.34	51.83 N	179.78 W	110.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	19 19 12.83	51.38 N	178.42 E	40.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	19 21 .69	51.71 N	177.92 E	74.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	20 6 19.25	51.97 N	178.21 E	122.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	21 36 25.44	51.46 N	179.58 E	23.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	21 46 10.73	52.01 N	178.71 W	155.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	0 26 49.95	51.23 N	179.43 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	1 2 19.02	51.77 N	179.73 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	1 58 19.74	51.57 N	178.92 E	17.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	3 37 55.10	51.39 N	178.75 E	46.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	4 15 34.13	51.27 N	178.66 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 57 57.10	52.22 N	178.23 E	163.9 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
22	8 27 29.20	60.08 N	153.11 W	33.0 T	3.7		SOUTHERN ALASKA
22	13 32 30.32	51.37 N	179.48 W	27.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	17 20 58.43	50.29 N	177.50 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 17 27.14	50.95 N	179.82 W	31.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	18 17 31.43	51.05 N	179.96 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	18 59 11.65	51.58 N	178.74 E	72.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 40 28.80	60.10 N	152.96 W	110.0 T	4.5		SOUTHERN ALASKA
22	19 45 39.60	68.06 N	160.49 W	33.0 T	4.5		ALASKA
23	0 3 5.41	50.45 N	178.79 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	2 59 35.51	51.32 N	178.82 E	38.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	7 10 37.03	52.17 N	179.57 E	170.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	7 15 15.12	51.42 N	177.25 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	12 32 46.00	6.27 S	154.74 E	67.0 T	5.3		SOLOMON ISLANDS
23	13 23 37.74	51.20 N	179.59 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	17 2 59.40	61.22 N	152.23 W	118.0 T			SOUTHERN ALASKA
23	17 25 43.59	51.47 N	178.06 E	55.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	19 35 1.78	51.57 N	178.92 E	52.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 29 39.92	51.42 N	178.34 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	0 39 15.90	60.54 N	139.05 W	33.0 T	5.1		SOUTHEASTERN ALASKA
24	1 15 58.80	52.42 N	172.17 E	53.0 T	4.5		RAT ISLANDS, ALEUTIAN ISLANDS
24	2 16 30.34	51.05 N	179.07 E	28.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	2 59 24.99	51.61 N	179.12 W	67.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	3 27 11.40	51.77 N	179.70 E	208.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 35 12.95	51.05 N	179.06 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 37 .39	51.01 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	7 3 50.90	51.37 N	176.31 E	4.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	8 40 15.36	51.31 N	178.69 E	34.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	9 10 3.97	51.00 N	179.03 E	24.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	9 43 22.97	51.09 N	179.13 E	37.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	10 7 19.73	52.01 N	179.32 E	150.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 6 11.39	51.61 N	178.77 E	21.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

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APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	18 2 15.15	51.31 N	179.72 E	58.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	19 20 13.58	51.13 N	179.20 E	27.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	21 30 49.29	51.14 N	178.19 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	2 52 36.23	51.38 N	178.77 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 32 58.00	49.82 N	78.09 E	0.0 T	5.9		EASTERN KAZAKH SSR
25	4 32 31.60	51.36 N	179.60 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	4 40 42.00	60.44 N	152.43 W	107.0 T			SOUTHERN ALASKA
25	6 23 1.55	51.41 N	178.78 E	44.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	6 49 40.24	51.76 N	178.47 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	9 31 23.09	51.20 N	178.75 E	26.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	11 0 20.47	52.34 N	178.98 E	150.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	11 11 42.44	51.41 N	179.43 W	75.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	11 12 35.59	51.70 N	179.86 E	41.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	11 17 36.41	51.39 N	178.75 E	46.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	16 8 44.97	51.24 N	177.31 W	75.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	22 31 0.00	51.92 N	170.88 W	52.0 T	3.5		FOX ISLANDS, ALEUTIAN ISLANDS
26	0 4 5.14	51.20 N	178.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	2 14 26.15	52.09 N	178.25 E	139.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 19 18.80	24.55 S	176.24 W	50.0 T	5.3	5.5	SOUTH OF FIJI ISLANDS
26	6 52 45.00	51.50 N	177.51 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
26	6 56 58.92	51.41 N	178.78 E	45.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	8 24 19.89	51.42 N	178.78 E	44.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	8 28 24.97	51.92 N	179.81 E	124.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	10 10 32.20	51.81 N	155.44 E	243.0 T	5.0		NORTHWEST OF KURIL ISLANDS
26	11 20 30.18	51.30 N	179.63 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	11 39 26.13	51.63 N	177.82 E	63.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	12 27 26.99	51.00 N	179.04 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	13 48 18.20	51.13 N	179.32 E	30.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 22 35.34	51.02 N	178.27 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 45 43.07	50.64 N	178.78 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	18 32 20.30	11.42 N	86.75 W	69.0 T	4.7		NEAR COAST OF NICARAGUA

APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
26	21 27 12.53	51.44 N	179.59 E	43.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	1 46 42.93	51.62 N	179.47 E	82.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 38 37.90	51.65 N	177.78 W	38.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	6 44 30.39	51.04 N	178.90 E	28.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	11 4 25.99	52.36 N	179.57 E	17.5 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 14 39.93	51.51 N	179.50 E	68.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 42 41.03	51.47 N	179.44 E	16.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 45 47.24	51.01 N	179.02 E	25.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	14 57 26.50	51.76 N	179.02 E	58.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	19 22 49.74	51.43 N	178.91 E	62.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 50 32.92	51.73 N	179.15 E	79.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 28 45.20	52.13 N	178.19 E	138.0 T	4.6		RAT ISLANDS, ALEUTIAN ISLANDS
27	22 49 44.41	51.39 N	178.79 E	45.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	23 52 18.75	51.53 N	178.88 E	47.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	0 8 59.58	51.20 N	178.57 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 6 16.45	51.62 N	179.79 E	64.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 56 46.37	52.16 N	178.69 E	80.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 9 43.07	51.68 N	177.77 E	67.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 39 1.65	51.43 N	178.80 E	43.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	9 13 55.77	51.66 N	177.83 E	64.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	11 22 15.74	51.04 N	179.23 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	11 38 15.20	51.57 N	178.79 E	21.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	12 48 19.90	51.13 N	179.84 E	14.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	13 35 11.28	51.63 N	179.25 E	70.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	16 27 46.57	51.04 N	179.44 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	19 51 33.57	51.70 N	178.33 E	81.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	20 1 43.05	51.41 N	178.77 E	44.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	20 59 30.13	51.14 N	179.27 E	34.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	21 19 52.94	51.40 N	178.87 E	42.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	22 37 29.33	50.99 N	179.98 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	23 46 21.75	51.98 N	179.70 E	136.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

APR HYPOCENTER SUMMARY

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APR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
29	2 41 .46	50.79 N	178.25 E	23.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 36 42.70	51.27 N	179.17 E	47.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 20 57.10	60.18 N	147.68 W	33.0 T			SOUTHERN ALASKA
29	15 26 35.20	53.21 N	170.61 E	27.0 T	5.1		NEAR ISLANDS, ALEUTIAN ISLANDS
29	19 56 11.60	12.64 N	122.34 E	4.0 T	5.5	5.7	LUZON, PHILIPPINE ISLANDS
30	14 5 49.00	51.70 N	179.92 E	93.0 T	5.2		RAT ISLANDS, ALEUTIAN ISLANDS
30	15 48 6.50	52.76 N	172.45 E	37.0 T	5.5	5.0	RAT ISLANDS, ALEUTIAN ISLANDS
30	17 1 37.43	51.37 N	178.83 E	44.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	22 42 19.81	52.00 N	179.41 E	158.0 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

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

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.

IMPORTANT NOTICE

THE SEISMICITY OF THE ALEUTIAN ARC HAS BEEN DEPICTED PREVIOUSLY IN THE SEISMOLOGICAL BULLETIN OF THE ALEUTIAN SEISMIC PROGRAM BY OVERPRINTING SIX BASE MAPS, MODIFIED VERSIONS OF LARGE PLATES PUBLISHED IN ESSA MONOGRAPH NO. 3 (BATHYMETRY OF THE ALEUTIAN ARC). OWING TO DEPLETED STOCKS OF THESE BASE MAPS, THE SEISMICITY SYMBOLS AND REGISTRATION GRIDS WILL BE PRINTED ON REGULAR PAPER STOCK, BEGINNING WITH THE APRIL 1971 SEISMOLOGICAL BULLETIN (CGS-746-119). THESE PRINTED SHEETS WILL BE SUITABLE FOR OVERLAYING THE SIX BASE MAPS (COMPLETE SETS OF WHICH WILL BE SUPPLIED UPON REQUEST) BY HOLDING THE COMBINATION OF THE PRINTED SHEET AND THE CORRESPONDING BASE MAP IN FRONT OF A BRIGHT LIGHT SOURCE.

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
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54.0 ⁺						54.0 ⁺
						□

53.5 ⁺						53.5
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53.0 ⁺						53.0
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52.5 ⁺						52.5
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52.0 ⁺ □						52.0
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51.5 ⁺						51.5
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51.0 ⁺						51.0
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50.5 ⁺						50.5
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50.0 ⁺	-170.0	-169.0 ⁺	-168.0 ⁺	-167.0 ⁺	-166.0 ⁺	50.0 ⁺
						-165.0

-160.0
+55.0

+54.5

+54.0

+53.5

+53.0

+52.5

+52.0

+51.5

+51.0

+50.5

+50.0
-160.0