CGS-746-117

MASTER

**ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
FEBRUARY 1971**

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

JANUARY 1972

**PREPARED FOR THE U.S. ATOMIC ENERGY COMMISSION
NEVADA OPERATIONS OFFICE
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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

$$MB = -0.75 + \log_{10}(AMP/PER) + 0.91 \cdot \log_{10}(SLANT \text{ DISTANCE})$$

FOR EVENTS OF EPICENTER DISTANCE LESS THAN
200 KM FROM STATION

DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS

AZI - STATION TO EPICENTER AZIMUTH IN DEGREES TAKEN CLOCKWISE FROM NORTH

RES - PHASE TRAVEL TIME RESIDUAL IN SECONDS (O-C)

REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

FIRST LINE

DATE

ORIGIN TIME (GMT)

GEOGRAPHIC COORDINATES

DEPTH OF FOCUS IN KILOMETERS

AVERAGE BODY WAVE (MB) AND SURFACE WAVE (MS) MAGNITUDES

TYPE OF SOLUTION

SECOND LINE

GEOGRAPHIC REGION

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
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
ANB	AMCHITKA NORTH B	09/12/69-18/07/70	51 36 12.0 N	178 47 21.0 E	247
AND	AMCHITKA NORTH D	19/07/70-	51 33 44.4 N	178 57 12.4 E	187
ASB	AMCHITKA SOUTH B	25/05/69-	51 21 37.8 N	179 14 50.3 E	34
ASC	AMCHITKA SOUTH C	28/07/69-25/09/69	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	16/08/69-18/03/69	51 55 10.8 N	178 32 01.8 E	145
OB3	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
OB5	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
OB6	OCEAN BOTTOM SEIS 6	25/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
OB8	OCEAN BOTTOM SEIS 8	26/09/69-16/10/69	51 22 00.0 N	179 35 42.0 E	-1408
RAT	RAT ISLAND	14/10/70-	51 47 56.7 N	178 19 48.3 E	226
SMY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMISOPHOCHNOI 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

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	ASD	EP	02 55 29.3	3.1	.1	1.93				
		IS	02 55 31.6							
01	ASC	IP	02 55 30.5							
01	AND	EP	02 55 31.3							
01	ANA	IP	02 55 33.6							
.....										
01	3 33	4.78	52.12 N 179.60 E	DEPTH = 177.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	SSI	EP	03 33 28.6	9.8	.1	3.28	25	181	.1	
01	AND	IP D	03 33 30.2				76	216	-.1	
		IS	03 33 48.8						-.2	
01	ASC	EP	03 33 30.5				79	202	.0	
01	ASD	IP D	03 33 30.6	2.4	.1	2.70	83	192	-.1	
		ES	03 33 49.7						.1	
01	ANA	IP D	03 33 30.9				85	230	.1	
01	ASB	IP	03 33 31.1	3.2	.1	2.83	88	196	.2	
01	RAT	IP C	03 33 31.2	72.0	.1	4.19	94	248	-.1	
		IS	03 33 52.8						2.1	
01	AMA	IP	03 33 33.6				129	135	-.1	
.....										
01	5 18	35.59	51.36 N 178.75 E	DEPTH = 40.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	AND	EP	05 18 43.4				27	32	.1	
		IS	05 18 49.1						.1	
01	ASC	EP	05 18 43.9				31	68	.2	
01	ASB	EP	05 18 44.2				35	89	.1	
01	ASD	EP	05 18 44.7	1.7	.1	2.07	41	85	-.1	
		IS	05 18 51.3						-.3	
01	RAT	IP	05 18 46.6				57	330	-.1	
01	SSI	IP	05 18 50.3				83	44	.0	
		IS	05 19 .9						-.0	
.....										
01	5 19	23.40	51.67 N 172.95 W	DEPTH = 40.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIAN IS.							
01	ADK	IP	05 20 0.0				259	277		ML 5.8
		ES	05 20 32.1							
01	AMA	EP	05 20 20.1				430	267		
		I	05 20 32.8							
01	SSI	EP	05 20 31.9				516	276		
01	ASD	EPN	05 20 33.8				536	270		TELESEISMIC
01	ASB	EPN	05 20 35.2				543	269		
		EPG	05 20 44.9							
01	ASC	EPN	05 20 35.6				548	271		
01	AND	EPN	05 20 37.7				561	272		
		EPG	05 20 46.6							
01	ANA	EPN	05 20 40.7				581	273		
01	RAT	EP	05 20 42.9				603	275		
01	CSA	EP	05 20 51.7				631	56		
01	SMY	EP	05 21 25.0				893	283		
01	GMA	EP	05 22 55.0				1673	19		
.....										
01	ADK	EP	06 32 6.9							
		ES	06 32 36.1							
01	ADK	EP	07 00 16.3							
		ES	07 00 47.3							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	7 36 54.40		51.88 N 172.94 W	DEPTH = 48.0 KM MB = 3.9			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN IS.										
01	ADK	EP	07 37 30.0				258	271		
		ES	07 38 .8							
01	AMA	EP	07 37 50.1				433	264		
		E(S)	07 38 52.9							
01	SSI	EP	07 38 2.1				515	273		
01	ASD	EPN	07 38 4.2				538	267		
		IPG	07 38 11.5							
01	ASB	EPN	07 38 4.8				545	267		
		IPG	07 38 12.2							
01	ASC	EPN	07 38 5.8				549	268		
01	AND	EPN	07 38 8.0				562	270		
		IPG	07 38 14.1							
01	RAT	EP	07 38 15.8				602	273		

01	ADK	EP	08 00 25.0							
		ES	08 00 54.2							

01	10 57 14.11		51.46 N 179.23 E	DEPTH = 68.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP D	10 57 24.2	5.0	.1	2.61	10	135		-0
		IS	10 57 31.4							-2
01	ASR	IP C	10 57 24.2	4.9	.1	2.60	11	175		-1
01	ASC	IP D	10 57 24.4				5	277		.2
		IS	10 57 31.7							.2
01	AND	IP	10 57 24.5				23	301		-2
01	ANA	IP	10 57 26.0				44	296		.0
01	RAT	IP D	10 57 28.6	17.4	.1	3.30	73	302		-0
		ES	10 57 39.1							-1

01	AMA	EP	11 51 41.5	2.6	.1					
01	ASD	EP	11 51 52.6	1.5	.1	2.40				
01	ASB	EP	11 51 53.6							
		ES	11 52 10.6							
01	ASC	E(P)	11 51 55.0							

01	13 54 33.64		50.97 N 179.35 W	DEPTH = 26.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	AMA	IP C	13 54 41.9	172.7	.2	3.70	39	25		.4
		IS	13 54 47.0							-2
01	ASD	IP D	13 54 50.4	2.7	.1	2.51	103	298		-2
		IS	13 55 3.8							.8
01	ASB	EP	13 54 51.1				107	295		-2
01	ASC	EP	13 54 52.7				117	299		-1
01	SSI	EP	13 54 53.6				127	325		-6
01	AND	EP	13 54 55.7				135	300		.2
01	ANA	EP	13 54 58.5				157	299		-0
01	RAT	EP	13 55 2.4				185	301		.2

01	13 59 54.59		51.43 N 178.97 E	DEPTH = 35.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	AND	IP D	14 00 .7				15	355		-1
01	ASC	IP	14 00 .9				14	75		.2
01	ASB	EP	14 00 1.1				21	112		-1
		ES	14 00 6.1							.1
01	ASD	IP	14 00 1.7				26	99		.0
		ES	14 00 6.7							-1

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES. (SEC)	REMARKS
.....										
01	14 42	41.30	51.82 N 178.00 E	DEPTH = 78.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ANA	IP	14 42 54.6				50	116	.0	
		IS	14 43 4.3						.0	
01	AND	IP	14 42 56.4				72	114	.0	
01	ASD	EP	14 42 59.7				104	117	.0	
.....										
1	14 59	12.60	62.33 N 145.68 W	DEPTH = 15.0 KM		MB = 4.6		TELESEISMIC SOLUTION		
CENTRAL ALASKA										
.....										
01	15 39	37.47	51.50 N 179.85 E	DEPTH = 68.3 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP D	15 39 48.7	3.8	.1	2.54	38	251	-.1	
		IS	15 39 57.2						.1	
01	ASB	IP D	15 39 49.3	2.4	.1	2.36	45	250	-.1	
		ES	15 39 58.0						-.0	
01	SSI	EP	15 39 49.5				47	337	-.1	
		IS	15 39 58.4						.0	
01	ASC	EP	15 39 49.7				48	265	.1	
01	AND	EP	15 39 50.8				63	277	-.1	
01	AMA	EP	15 39 52.2				75	108	.0	
		ES	15 40 3.0						.1	
01	ANA	EP	15 39 53.2				84	280	.2	
.....										
01	16 44	31.55	50.97 N 179.76 W	DEPTH = 33.3 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	AMA	EP	16 44 42.7	5.2	.1	2.62	58	51	.4	
		IS	16 44 49.7						-.4	
01	ASD	EP	16 44 44.9	3.2	.1	2.51	79	307	-.3	
		ES	16 44 55.5						.3	
01	ASB	EP	16 44 45.7				82	303	-.0	
01	ASC	EP	16 44 46.9				93	307	-.4	
01	AND	EP	16 44 49.4				112	307	-.6	
01	SSI	IP C	16 44 49.6				113	336	-.6	
.....										
01	ADK	EP	16 57 57.0							
		ES	16 58 36.3							
01	AMA	EP	16 58 17.2							
01	SSI	EP	16 58 29.2							
01	ASD	EPN	16 58 30.7							
		EPG	16 58 38.4	17.5	.4					
01	ASB	EP	16 58 31.8							
01	ASC	EP	16 58 33.0							
01	AND	EP	16 58 34.5							
01	ANA	EP	16 58 37.5							
01	RAT	EP	16 58 40.2							
.....										
01	17 40	46.26	50.18 N 177.99 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASB	EP	17 41 13.2				158	34	.6	
		IS	17 41 32.4						.6	
01	ASD	IP	17 41 13.8	4.3	.1	2.89	164	35	.2	
01	ASC	EP	17 41 13.9				164	30	.3	
01	AND	EP	17 41 13.9				168	23	-.2	
		ES	17 41 33.4						-.9	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 01	ANA	EP	17 41 14.4				167	16	.4	
. 01	RAT	EP	17 41 15.9				181	7	-.2	
. 01	SSI	EP	17 41 21.8				220	30	-.2	
		ES	17 41 47.5						-.4	
. 01	AMA	IP C	17 41 23.6	3.8	.1		238	58	-.5	

.....
 . 01 18 20 33.28 51.54 N 179.19 W DEPTH = 0.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

. 01	AMA	IP D	18 20 38.8				28	169	.4	
. 01	SSI	IP C	18 20 50.8	64.3	.1	3.84	93	296	1.0	
. 01	ASD	IP D	18 20 51.2	15.4	.1	3.26	103	262	-.1	
		IS	18 21 3.9						-.6	
. 01	ASB	IP	18 20 52.3				110	260	-.1	
		IS	18 21 5.8						-.6	
. 01	ASC	EP	18 20 53.1				115	266	.1	
. 01	AND	EP	18 20 55.1				129	272	-.1	
. 01	ANA	IP D	18 20 58.6				149	275	.3	
. 01	RAT	IP C	18 21 2.1				174	281	.1	
		IS	18 21 22.7						-.3	
. 01	ADK	EP	18 21 3.0				177	76	.5	
		ES	18 21 25.6						1.8	

.....
 . 01 20 46 50.96 51.21 N 179.98 W DEPTH = 56.7 KM FREE DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

. 01	ASD	EP	20 47 2.1				51	293	-.3	
		IS	20 47 10.8						.1	
. 01	ASC	IP	20 47 4.2				65	295	.4	
		IS	20 47 13.2						-.0	
. 01	AND	EP	20 47 5.7				83	298	-.2	
. 01	SSI	IP	20 47 5.7	20.0	.1	3.36	81	339	.1	
		IS	20 47 16.2						-.1	

.....
 02 ADK EP 00 24 37.8
 ES 00 25 6.1

.....
 . 02 0 27 9.50 51.77 N 173.21 W DEPTH = 50.0 KM MB = 4.2 TELESEISMIC SOLUTION
 ANDREANOF ISLANDS, ALEUTIAN IS.

. 02	ADK	EP C	00 27 43.0				240	274		
		ES	00 28 .8							
. 02	AMA	IP C	00 28 3.6	129.9	.3		413	265		
. 02	SSI	IP	00 28 15.5				497	274		
. 02	RAT	IP	00 28 16.8				584	274		
. 02	ASD	EP	00 28 16.9	7.1	.2		518	268		
. 02	ASB	IP C	00 28 18.2	4.4	.1		525	268		
. 02	ASC	EP	00 28 19.2				530	269		
. 02	AND	EP	00 28 20.7				543	271		
. 02	ANA	EP	00 28 23.6				563	272		

REGIONAL

.....
 . 02 0 48 55.30 51.76 N 173.16 W DEPTH = 40.0 KM MB = 5.2 TELESEISMIC SOLUTION
 ANDREANOF ISLANDS, ALEUTIAN IS.

. 02	ADK	IP C	00 49 30.0				243	275		ML 4.5
		ES	00 49 57.1							
. 02	AMA	IP C	00 49 50.2	334.6	.3		416	265		
. 02	SSI	IP	00 50 2.0				500	275		
. 02	ASD	IP	00 50 4.0				521	268		
. 02	ASB	IP	00 50 5.3				528	268		
. 02	ASC	IP	00 50 5.9				533	269		

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 02	AND	IP	00 50 7.9				546	271		
. 02	ANA	IP	00 50 10.3				566	272		
		IS	00 51 37.9							
. 02	CSA	E(P)	00 50 25.0				638	57		
. 02	GMA	EP	00 52 31.0				1669	19		
.....										
. 02	2 10	33.01	51.20 N 179.43 E	DEPTH = 39.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 02	ASD	IP C	02 10 40.2				22	344	-.0	
. 02	ASB	IP C	02 10 40.2	4.6	.1	2.40	22	325	-.0	
		ES	02 10 45.5						.0	
. 02	AND	IP C	02 10 43.4				52	321	-.0	
. 02	SSI	EP	02 10 46.9				78	8	.0	
		IS	02 10 56.9						-.1	
.....										
. 2	2 16	30.30	62.23 N 151.15 W	DEPTH = 79.0 KM MB = 3.5			TELESEISMIC SOLUTION			
			CENTRAL ALASKA							
.....										
. 02	2 44	58.42	51.58 N 177.98 E	DEPTH = 56.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 02	RAT	IP	02 45 8.1	15.0	.1	3.07	34	45	-.2	
. 02	ANA	IP	02 45 9.8				47	84	.4	
. 02	AND	EP	02 45 11.4				67	92	-.1	
. 02	ASC	EP	02 45 13.5				83	99	.2	
. 02	ASB	EP	02 45 13.9	1.9	.1	2.37	91	105	-.3	
		ES	02 45 25.7						-.0	
. 02	ASD	IP D	02 45 14.8	1.7	.1	2.33	97	102	-.1	
. 02	SSI	IP	02 45 17.3	11.5	.1	3.22	116	72	.1	
		IS	02 45 30.7						-.1	
.....										
. 02	AMA	IP	02 59 26.1							
. 02	ASD	IP	02 59 38.5	5.9	.1					
		ES	03 00 6.7							
. 02	ASB	IP	02 59 38.9							
. 02	ASC	IP	02 59 39.9							
. 02	AND	EP	02 59 40.9							
. 02	ANA	EP	02 59 43.4							
. 02	CSA	IP C	04 34 50.6							
.....										
. 02	4 29	13.40	35.21 N 141.01 E	DEPTH = 51.0 KM MB = 4.0			TELESEISMIC SOLUTION			
			NEAR EAST COAST OF HONSHU, JAPAN							
. 02	GMA	EP	04 37 20.5				5032	30		
.....										
. 02	ADK	EP D	05 15 58.5							
		ES	05 16 5.9							
. 02	AMA	IP C	05 16 12.7	3.8	.1	2.87				
		ES	05 16 32.2							
. 02	SSI	IP	05 16 24.8							
. 02	ASD	IP	05 16 26.7							
		IS	05 16 56.9							
. 02	ASB	IP	05 16 26.8	15.6	.2					
. 02	ASC	IP	05 16 28.7							
. 02	AND	IP	05 16 29.9							
. 02	ANA	IP	05 16 32.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
02	12 18	28.82	51.20 N 178.92 E	DEPTH = 18.8 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	IP	12 18 34.8	3.8	.1	2.22	29	51	.1	
		IS	12 18 38.9						-.1	
02	ASD	IP C	12 18 35.6	2.9	.1	2.17	37	53	-.1	
02	ASC	IP C	12 18 35.6				34	30	.2	
02	AND	IP D	12 18 36.4				41	3	.0	
02	ANA	IP	12 18 37.8				51	340	-.1	
.....										
02	ADK	EP	14 15 41.3							
		ES	14 15 49.2							
.....										
02	15 52	32.01	51.87 N 175.79 E	DEPTH = 75.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IP C	15 53 1.6				200	97	.2	
02	AND	EP	15 53 3.4				221	98	-.5	
02	ASC	IP D	15 53 6.2				238	100	.3	
02	ASB	IP	15 53 6.5				246	102	-.4	
02	ASD	EP	15 53 8.1	30.4	.2		251	101	.5	
		IS	15 53 33.6						-.0	
.....										
02	18 6	31.21	51.08 N 178.11 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	EP	18 06 44.0				80	47	-.7	
		IS	18 06 53.9						-.7	
02	ANA	EP	18 06 44.2				72	32	.6	
02	RAT	IP	18 06 44.6	27.3	.1	3.43	82	11	-.4	
02	ASB	EP	18 06 45.5	4.1	.1	2.63	85	68	-.1	
		ES	18 06 56.4						.4	
02	ASD	IP	18 06 46.0	3.4	.1	2.57	93	67	-.7	
02	SSI	IP	18 06 55.5				137	48	2.2	
.....										
02	18 53	15.10	51.88 N 173.36 W	DEPTH = 45.0 KM MB = 4.3		TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIAN IS.										
02	ADK	EP	18 53 47.2				229	271		
		ES	18 54 14.0							
02	GMA	EP	18 56 49.5				1661	20		
.....										
02	21 22	10.58	52.22 N 178.49 E	DEPTH = 169.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IP	21 22 33.7				49	193	-.2	
		IS	21 22 51.2						.2	
02	ANA	IP C	21 22 34.5				67	170	-.2	
02	AND	IP	21 22 35.1				80	157	-.3	
02	SSI	IP	21 22 35.8				83	116	.2	
02	ASC	IP	21 22 36.6				96	151	.2	
02	ASD	IP	21 22 37.3				110	147	.0	
02	ASB	IP	21 22 37.9				109	151	.7	
		ES	21 22 56.4						-.3	
02	AMA	IP	21 22 44.3				195	121	-.3	
.....										
03	ANA	EP	01 03 3.1							
		IS	01 03 11.8							
03	AND	IP C	01 03 4.8							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	01 03 14.0							
03	ADK	EP	02 49 40.8							
		ES	02 50 12.1							
03	ADK	EP	02 54 51.3							
.....										
03	9 24 59.44		51.20 N 178.45 E				DEPTH = 17.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ANA	IP D	09 25 8.6				50	17	.4	
03	AND	IP D	09 25 8.9				53	41	.1	
		IS	09 25 15.5						.0	
03	ASB	IP	09 25 9.7	25.3	.1	3.26	58	72	.2	
		ES	09 25 16.3						-.5	
03	RAT	IP D	09 25 10.4	149.0	.1	4.09	67	353	-.5	
03	ASD	EP	09 25 10.5				65	71	-.1	
03	SSI	IP	09 25 17.4	51.0	.1	3.81	110	45	.1	
		ES	09 25 30.4						.0	
.....										
03	16 35 18.40		51.74 N 173.28 W				DEPTH = 60.0 KM			TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN IS.							
03	ADK	EP	16 35 51.0				235	275		ML 4.0
		ES	16 36 18.0							
03	GMA	EP	16 38 54.8				1674	20		
.....										
4	7 31 17.10		59.79 N 151.85 W				DEPTH = 95.0 KM			TELESEISMIC SOLUTION
			KENAI PENINSULA, ALASKA							
.....										
04	ADK	EP	08 47 5.5							
		ES	08 47 33.0							
04	ADK	EP	09 03 21.6							
.....										
04	9 59 15.09		50.36 N 179.36 E				DEPTH = 100.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	ASB	IP D	09 59 35.5	9.1	.1	3.18	112	356	-.2	
		ES	09 59 50.8						-.0	
04	ASD	EP	09 59 36.3	3.1	.1	2.72	115	359	.3	
04	AND	EP	09 59 38.2				137	348	-.1	
04	ANA	EP	09 59 39.8				150	341	.1	
.....										
04	ADK	EP	10 31 11.6							
		ES	10 31 41.9							
04	ADK	EP	11 06 2.0							
		ES	11 06 31.9							
04	ADK	EP	11 07 24.0							
		ES	11 07 37.4							
.....										
04	13 15 43.63		51.07 N 179.44 W				DEPTH = 30.3 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
04	AMA	IP D	13 15 51.0	69.2	.1	3.58	33	43	.0	
		IS	13 15 56.5						.2	
04	ASD	IP	13 15 59.1	4.6	.1	2.71	92	293	-.1	
04	ASB	EP	13 16 0.0	5.7	.1	2.82	97	290	.1	
04	ASC	IP	13 16 1.5				107	295	.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 04	SSI	IP	13 16 2.1				114	324	-.3	
. 04	AND	EP	13 16 3.6				125	297	-.4	
. 04		IS	13 16 19.2						.4	
. 04	ANA	EP	13 16 6.8				145	296	-.1	
. 04	RAT	IP	13 16 10.8				175	299	.3	
.....										
. 04	13 18 19.42	51.07 N 179.41 W DEPTH = 34.1 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 04	AMA	IP D	13 18 27.2				33	41	.1	
		ES	13 18 32.7						.1	
. 04	ASD	EP	13 18 35.1	2.5	.1	2.46	94	293	-.2	
. 04	ASB	EP	13 18 35.9				99	290	-.2	
		ES	13 18 48.8						.6	
. 04	SSI	IP	13 18 38.2				115	323	-.3	
. 04	AND	EP	13 18 39.8				126	297	-.2	
. 04	ANA	EP	13 18 43.0				148	296	.4	
. 04	RAT	EP	13 18 46.1				177	298	-.1	
.....										
. 04	13 40 15.42	51.06 N 179.43 W DEPTH = 30.6 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 04	AMA	IP D	13 40 22.9	43.2	.1	3.38	34	41	.1	
		ES	13 40 28.4						.2	
. 04	ASD	EP	13 40 30.9				93	294	-.2	
. 04	ASB	EP	13 40 31.9				98	290	.1	
		ES	13 40 44.3						.5	
. 04	ASC	EP	13 40 33.4				108	295	.2	
. 04	SSI	IP	13 40 34.1				115	324	-.2	
. 04	AND	EP	13 40 35.5				126	297	-.4	
. 04	ANA	EP	13 40 38.7				147	296	-.1	EMERG.LOW AMP
. 04	RAT	EP	13 40 42.7				175	299	.3	
.....										
. 04	15 33 28.60	.65 N 98.84 E DEPTH = 33.0 KM MB = 6.3 MS = 7.1 TELESEISMIC SOLUTION								
		NORTHERN SUMATRA								
. 04	RAT	EP	15 45 53.4				9228	38		
. 04	AND	EP	15 45 53.5				9267	38		
. 04	ASB	EP	15 45 55.0				9285	38		
. 04	ANA	EP	15 45 55.1				9248	38		
. 04	ASC	EP	15 45 55.2				9281	38		
. 04	ASD	EP	15 45 55.7				9292	38		TELESEISMIC
. 04	SSI	EP	15 45 56.2				9316	38		
. 04	AMA	EP	15 46 .4				9398	39		
. 04	ADK	EP	15 46 10.0				9571	38		ER 1613360
		ES	15 56 34.1							
		EL	16 09 25.0							
.....										
. 04	16 2 15.53	50.95 N 179.23 W DEPTH = 64.0 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 04	AMA	IP C	16 02 26.8				38	13	.3	
. 04	ASD	IP D	16 02 33.2	56.6	.1	3.91	111	297	-.7	
. 04	ASB	IP C	16 02 34.0	7.0	.1	3.01	115	294	-.4	
. 04	ASC	IP D	16 02 35.5				125	297	-.1	
. 04	SSI	IP D	16 02 36.8				133	322	.3	
		IS	16 02 50.7						-1.1	
. 04	AND	IP C	16 02 37.5				143	299	-.3	
		ES	16 02 54.7						.7	
. 04	ANA	IP	16 02 40.5				165	298	.2	
. 04	RAT	IP	16 02 44.4				194	300	.5	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	16 03 5.4						.8	
04	ADK	EP	18 52 35.8							
		ES	18 52 47.2							
04	20	9 59.95	51.73 N 179.38 E	DEPTH = 79.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	AND	EP	20 10 12.2				35	237	-.1	
04	ASC	EP	20 10 12.3				34	207	.1	
04	ASD	EP	20 10 12.5	3.6	.1	2.57	38	184	.0	
04	ASB	EP	20 10 12.7	3.2	.1	2.52	43	193	-.1	
		ES	20 10 22.1						.0	
04	ANA	EP	20 10 13.4				51	257	.0	
04	AMA	IP C	21 17 2.4							
04	ADK	EP	21 17 12.0							
		ES	21 17 28.1							
04	ASD	IP	21 17 18.0							
		ES	21 17 38.8							
04	ASB	EP	21 17 20.4							
04	ASC	EP	21 17 21.3							
04	ANA	EP	21 17 26.6							
05	0 44	17.72	51.80 N 179.40 E	DEPTH = 191.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	AND	IP	00 44 43.4				40	230	-.0	
05	ASC	IP	00 44 43.5				40	204	.1	
05	ASB	IP	00 44 43.7	5.6	.1	3.08	50	192	-.0	
		ES	00 45 2.7						.0	
05	ANA	IP	00 44 43.9				54	250	.0	
05	ASD	EP	01 34 19.8							POOR P PHASE
05	ASB	EP	01 34 20.8							
		ES	01 34 45.9							
05	ASC	EP	01 34 22.6							
05	AND	EP	01 34 24.6							
05	ANA	EP	01 34 26.7							
05	4 51	55.12	51.30 N 179.92 E	DEPTH = 25.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IP	04 52 2.9	13.7	.1	2.91	41	285	-.2	
05	ASB	IP	04 52 3.8	6.5	.1	2.62	47	279	-.1	
		ES	04 52 10.6						.3	
05	ASC	IP C	04 52 5.2				55	290	.1	
05	SSI	IP D	04 52 7.5	31.0	.1	3.44	70	341	.3	
		IS	04 52 15.8						-.3	
05	AND	IP	04 52 7.9				73	294	.2	
05	ANA	EP	04 52 10.6				95	293	-.2	
05	6 0	29.77	51.64 N 178.91 E	DEPTH = 75.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	AND	EP	06 00 40.6				9	164	-.1	
05	ANA	EP	06 00 40.9				18	264	.0	
05	ASD	EP	06 00 41.9				41	133	-.2	
05	ASB	EP	06 00 42.2				39	144	.2	
		ES	06 00 50.8						-.0	
05	RAT	IP	06 00 42.3	21.3	.1	3.33	44	293	.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	SSI	IP D	06 00 43.0				54	59	-.0	
		IS	06 00 52.8						.1	
.....										
05	7 28 14.75	51.58 N 178.10 E DEPTH = 66.8 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP	07 28 25.5				29	32	.1	
		ES	07 28 33.0						-.2	
05	ANA	IP	07 28 26.2				39	82	.1	
05	AND	IP	07 28 27.6				59	91	-.1	
		IS	07 28 37.3						.1	
05	ASB	EP	07 28 30.0				83	106	-.1	
05	ASD	EP	07 28 30.8				88	103	.1	
.....										
5	7 33 29.10	51.77 N 130.78 W DEPTH = 33.0 KM MB = 5.1 MS = 5.7					TELESEISMIC SOLUTION			
QUEEN CHARLOTTE ISLANDS REGION										
.....										
05	ASD	EP	08 47 41.5				REGIONAL			
		ES	08 48 47.3							
05	ASB	EP	08 47 43.1							
05	AND	EP	08 47 44.5							
05	ANA	EP	08 47 47.5							
.....										
05	10 30 29.90	51.03 N 179.32 E DEPTH = 45.0 KM MB = 4.4					TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASD	IP C	10 30 39.1				41	2	-.3	VERY LARGE AMP
05	ASB	IP C	10 30 39.1				38	352	-.0	
05	ASC	IP	10 30 40.2				50	347	-.2	
05	AND	IP D	10 30 41.8				65	337	-.4	
05	ANA	IP	10 30 44.0				81	326	-.2	
05	SSI	IP C	10 30 45.5				98	11	-.8	
05	RAT	IP D	10 30 47.9				110	322	.1	
05	AMA	IP D	10 30 48.4				113	74	.3	
		IS	10 31 1.1						-.3	
.....										
05	AMA	IP	11 07 17.6							
		IS	11 07 25.7							
05	ASD	EP	11 07 31.7							
		I	11 07 32.9	15.0	.1					
05	SSI	IP	11 07 32.6							
05	ASB	EP	11 07 33.4							
		ES	11 07 56.7							
05	ASC	EP	11 07 34.8							
05	AND	EP	11 07 36.2							
05	ANA	EP	11 07 39.8							
05	RAT	EP	11 07 43.7							
.....										
05	16 28 47.78	52.09 N 179.62 E DEPTH = 175.0 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	SSI	IP	16 29 11.1				22	186	-.0	
05	AND	IP C	16 29 12.8				75	219	-.1	
05	ASD	IP C	16 29 13.1	39.2	.1	3.91	80	194	-.1	
05	ASC	IP	16 29 13.3				76	205	.3	
05	ANA	IP C	16 29 13.4				84	233	-.0	
05	ASB	IP	16 29 13.5				85	198	.0	
		ES	16 29 32.1						-.1	
05	RAT	IP	16 29 13.9				94	251	-.1	
		ES	16 29 33.3						.1	
05	AMA	IP	16 29 16.1	30.3	.1	3.84	125	135	-.0	
.....										

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	17 54 23.88		51.55 N 179.93 E			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IP	17 54 34.1	8.5	.1	2.83	45	247	-.1	
05	ASB	IP	17 54 35.1				52	246	.1	
		ES	17 54 43.0						-.0	
05	AND	EP	17 54 36.4				68	271	-.3	
05	ANA	EP	17 54 39.4				88	276	.3	
05	20 7 38.34		51.41 N 179.38 E			DEPTH = 61.7 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IP	20 07 47.5	8.5	.1	2.80	3	236	-.0	
05	ASB	IP	20 07 47.6				11	241	-.0	
		IS	20 07 54.4						.0	
05	ASC	IP	20 07 47.9				16	292	.1	
05	AND	IP	20 07 48.7				34	300	-.1	
05	ANA	EP	20 07 50.6				55	296	.0	
05	AMA	IP C	21 33 23.3							
		IS	21 33 31.9							
05	SSI	IP	21 33 36.8							
05	ASD	EP	21 33 37.7							
		IS	21 33 59.8							
05	ASB	EP	21 33 38.8							
		IS	21 34 1.3							
05	ASC	EP	21 33 40.9							
05	AND	IP	21 33 41.9							
05	ANA	EP	21 33 44.4							
05	22 16 25.36		52.02 N 179.87 W			DEPTH = 164.3 KM				FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
05	SSI	IP	22 16 47.6				40	249	-.2	
05	ASD	IP C	22 16 50.0	21.6	.1	3.64	89	218	-.1	
		IS	22 17 8.5						.3	
05	ASB	IP	22 16 50.5				95	220	-.0	
		IS	22 17 8.0						-.9	
05	ASC	IP	22 16 50.7				91	227	.5	
05	AND	EP	22 16 50.7				96	238	.1	
05	AMA	IP	22 16 50.8				97	147	.1	
		ES	22 17 9.1						-.0	
05	ANA	IP	22 16 51.5				110	247	-.0	
05	RAT	IP	22 16 52.3	5.6	.1	3.17	125	259	-.4	
		ES	22 17 13.4						.7	
06	ADK	EP	03 03 45.4							
		ES	03 04 11.4							
06	3 33 14.97		51.71 N 178.67 E			DEPTH = 75.4 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ANA	IP D	03 33 25.9				9	183	-.0	
06	AND	IP	03 33 26.3				26	130	-.1	
06	RAT	IP	03 33 26.4	91.9	.1	3.93	25	293	-.0	
		IS	03 33 34.8						.0	
06	ASC	IP	03 33 27.6				44	129	.1	
06	ASB	IP	03 33 28.2				56	134	-.2	
		ES	03 33 38.5						.3	
06	ASD	IP	03 33 28.6				59	127	-.0	
06	SSI	IP	03 33 29.6				65	72	.3	
		IS	03 33 39.5						-.3	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ADK	IP D	09 23 17.7							
		ES	09 23 28.9							
06	ASD	EP	09 23 52.5							
06	ASB	EP	09 23 53.0							
		ES	09 24 40.3							
06	ASC	EP	09 23 55.4							
06	AND	EP	09 23 57.1							
06	ANA	EP	09 23 59.2							

.....

6	9 41 5.60	59.94 N 152.51 W	DEPTH = 150.0 KM	TELESEISMIC SOLUTION
SOUTHERN ALASKA				

.....

06	ADK	EP	11 17 48.1
		ES	11 17 57.4

.....

06	12 26 6.20	51.25 N 179.95 W	DEPTH = 38.5 KM	FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS				

.....

06	ASD	IP	12 26 16.6	52	288	.1
06	AMA	EP	12 26 17.3	59	86	-.1
06	ASB	IP	12 26 17.4	57	283	.2
		ES	12 26 24.7			-.6
06	ASC	IP	12 26 18.6	66	291	.2
06	SSI	IP	12 26 20.2	78	336	.1
		IS	12 26 30.1			-.1
06	AND	IP	12 26 20.8	84	295	-.0
06	ANA	EP	12 26 23.6	105	294	-.1

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6	19 57 10.50	59.28 N 152.52 W	DEPTH = 150.0 KM	TELESEISMIC SOLUTION
SOUTHERN ALASKA				

.....

.....

06	21 47 26.21	51.53 N 178.42 E	DEPTH = 64.2 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

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06	ANA	IP	21 47 36.1	20	58	-.0
06	AND	IP	21 47 37.1	37	85	-.0
06	ASB	EP	21 47 39.1	60	108	-.0
		ES	21 47 48.5			-.0

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07	AMA	IP D	01 18 21.3	215.9	.2	
07	ASD	IP D	01 18 32.0	11.6	.1	3.27
07	ASB	IP	01 18 32.2			
		ES	01 18 48.0			
07	SSI	IP	01 18 34.9			
07	AND	IP	01 18 36.1			

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07	2 29 28.20	51.36 N 176.72 W	DEPTH = 50.0 KM MB = 6.0	TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS				

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07	ADK	IP	02 29 41.0	59	2	1.0	ML 6.3 FELT 5
		ES	02 29 55.0			6.4	
07	AMA	IP	02 29 50.2	167	268	-2.8	OVERLOAD ALL LEVELS FELT
07	SSI	IP	02 30 4.3	262	285	-.5	
07	ASD	EP	02 30 4.4	274	272	-1.9	
07	ASB	EP C	02 30 4.7	280	272	-2.4	
07	AND	IP	02 30 8.2	301	276	-1.4	
07	ANA	IP	02 30 11.0	322	277	-1.2	
07	RAT	IP	02 30 14.3	346	280	-.9	
07	SMY	EP	02 30 54.3	646	287	2.1	
07	CSA	EP	02 31 25.0	871	61	5.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	GMA	EP	02 33 17.5				1805	24	2.3	
07	AMA	IP	02 39 49.3							
07	ASD	IP D	02 40 3.0							
07	SSI	EP	02 40 3.6							
07	ASB	IP D	02 40 3.8							
07	ASC	IP	02 40 5.5							
07	AND	IP	02 40 7.2							
07	ANA	EP	02 40 9.6							
07	RAT	EP	02 40 13.2							
07	2 42 4.50		51.16 N 177.08 W							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	ADK	EP	02 42 19.8				85	18	.5	ML 5.2 FELT 3
		ES	02 42 32.1						2.0	
07	ASD	IP D	02 42 39.2				251	277	-5	
07	ASB	IP D	02 42 39.7				257	276	-8	
07	AND	IP	02 42 43.4				280	281	.1	
07	SMY	EP	02 43 30.0				630	289	3.5	
07	CSA	EP	02 44 6.0				903	60	5.7	
07	AMA	EP	02 50 4.0							
07	ASD	IP	02 50 17.3							
07	ASB	IP	02 50 18.2							
07	AND	EP	02 50 21.8							
07	2 50 49.30		51.13 N 177.05 W							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	AMA	IP	02 51 11.2				144	278	-1.0	
07	ASD	IP D	02 51 25.2				253	278	-3	
07	SSI	IP	02 51 26.0				248	291	1.1	
07	ASB	IP	02 51 26.1				259	277	-2	
07	ASC	IP	02 51 27.4				266	279	.3	
07	AND	IP	02 51 29.5				282	281	.4	
07	ANA	IP	02 51 32.2				303	282	.5	
07	RAT	EP	02 51 35.8				329	285	.9	
07	GMA	EP	02 54 43.0				1837	24	1.8	
07	2 53 9.10		51.20 N 176.92 W							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	ADK	EP	02 53 25.6				78	12	3.0	ML 5.1 FELT 3
		ES	02 53 36.0						3.6	
07	AMA	IP	02 53 32.8				153	274	-2	
07	ASD	IP	02 53 46.7				261	276	.3	
07	SSI	IP	02 53 47.3				254	289	1.8	
07	ASB	IP	02 53 47.4				268	275	.2	
07	ASC	IP	02 53 48.6				274	278	.6	
07	AND	IP D	02 53 51.0				290	280	1.1	
07	ANA	IP	02 53 53.6				311	280	1.1	
07	RAT	IP	02 53 57.0				336	283	1.4	
07	SMY	EP	02 54 37.0				639	289	4.0	
07	CSA	EP	02 55 10.0				891	60	5.8	
07	GMA	EP	02 57 1.0				1825	24	1.4	
07	AMA	IP	02 58 30.8							
07	ASD	IP	02 58 44.5							
07	SSI	IP	02 58 45.2							
07	ASB	IP	02 58 45.3							
	I(S)		02 59 14.1							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ASC	IP	02 58 46.8							
07	AND	IP	02 58 48.7							
07	ANA	IP	02 58 51.2							
07	RAT	IP	02 58 55.0							

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07	3	0	39.20	51.36 N	177.12 W	DEPTH = 51.0 KM	MB = 4.5	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	AMA	IP	03 00 59.6			138	268	-1.0		
07	SSI	IP	03 01 11.9			235	286	-.6		
07	ASD	IP	03 01 14.1			246	272	.3		
07	ASB	IP	03 01 15.1			252	272	.5		
07	ASC	IP	03 01 16.1			258	274	.8		
07	AND	IP D	03 01 18.5			273	276	1.3		
07	ANA	EP	03 01 24.3			294	277	4.6		
07	RAT	IP	03 01 24.3			318	281	1.5		
07	GMA	EP	03 04 40.7			1816	24	13.1		

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07	3	3	18.30	51.75 N	177.26 W	DEPTH = 52.0 KM	MB = 4.5	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	ADK	EP	03 03 29.9			42	69	1.4	ML 4.4 FELT 1	
		ES	03 03 42.0					6.1		
07	AMA	EP	03 03 38.1			138	249	-1.6		
07	ASD	IP	03 03 51.5			239	262	-.5		
07	SSI	IP	03 03 52.0			218	275	2.5		
07	ASB	IP	03 03 52.2			246	261	-.7		
07	ASC	IP	03 03 53.5			249	264	.1		
07	AND	IP	03 03 55.7			263	267	.7		
07	ANA	IP	03 03 58.3			282	269	.9		
07	RAT	IP	03 04 1.7			304	273	1.6		
07	GMA	EP	03 07 16.8			1780	25	14.5		

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07	AMA	IP	03 05 55.6
07	ASD	IP C	03 06 9.5
07	ASB	IP D	03 06 10.3
07	ASC	IP	03 06 12.0

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07	3	7	41.90	51.42 N	177.35 W	DEPTH = 100.0 KM	MB = 4.5	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	AMA	IP	03 08 1.8			123	264	-1.9		
07	ASD	IP	03 08 15.8	21.6	.2	230	270	.2		
07	SSI	IP	03 08 15.8			218	285	1.6		
07	ASB	IP	03 08 16.8			236	270	.4		
07	ASC	IP	03 08 18.4			242	272	1.3		
07	AND	IP	03 08 19.5			257	275	.7		
07	ANA	EP	03 08 22.6			277	276	1.3		
07	GMA	EP	03 11 29.3			1816	24	-1.2		

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07	3	12	5.80	51.23 N	176.83 W	DEPTH = 59.0 KM	MB = 4.5	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	ASD	IP	03 12 43.2			267	275	.1		
07	ASB	IP	03 12 44.1			274	275	.2		
07	ANA	IP	03 12 50.3			316	280	1.2		
07	SHY	EP	03 13 34.0			644	289	4.5		
07	CSA	EP	03 14 3.0			885	60	3.7		
07	GMA	EP	03 15 57.3			1821	24	2.4		

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MJ)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	3 18	57.30	51.11 N 177.00 W	DEPTH = 33.0 KM	MB = 4.3					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	AMA	IP	03 19 19.7	230.3	.2	4.29	149	279	-1.0	
07	IS		03 19 38.0						.3	
07	ASD	IP D	03 19 33.3	48.6	.1		257	278	-.7	
07	SSI	IP	03 19 34.0				252	292	.6	
07	ASB	IP	03 19 34.2	78.2	.1		263	278	-.6	
07	ASC	IP	03 19 35.8				270	280	.1	
07	AND	IP	03 19 37.7				286	282	.1	
07	ANA	IP	03 19 40.3				307	282	.1	
07	RAT	IP	03 19 43.3				333	285	-.1	
07	GMA	EP	03 22 51.3				1838	24	2.1	
.....										
07	3 19	12.20	51.21 N 176.96 W	DEPTH = 21.0 KM	MB = 5.2					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	ADK	EP	03 19 26.0				78	14	.7	ML 4.2 FELT 1
07	ES		03 19 44.0						9.2	
07	SMY	EP	03 20 44.0				636	289	7.2	
07	GMA	EP	03 23 6.7				1827	24	2.9	
.....										
07	3 20	59.90	51.11 N 177.00 W	DEPTH = 43.0 KM	MB = 5.4					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	ADK	EP	03 21 15.9				89	14	.7	ML 3.9 FELT 2
07	ES		03 21 28.9						2.6	
07	SMY	EP	03 22 29.0				637	290	6.3	
07	CSA	EP	03 23 1.0				902	60	5.5	
07	GMA	EP	03 24 52.5				1838	24	1.4	
.....										
07	AMA	IP	03 29 49.9							
07	ASD	IP	03 30 3.4							
07	SSI	IP	03 30 3.8							
07	ASB	IP	03 30 4.3							
07	ASC	IP	03 30 5.4							
07	AND	EP	03 30 7.6							
.....										
07	3 39	7.30	51.06 N 177.12 W	DEPTH = 51.0 KM	MB = 4.3					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	AMA	IP	03 39 28.7	82.2	.1	4.14	141	281	-.3	
07	ASD	IP	03 39 42.4				249	280	.1	
07	SSI	IP	03 39 43.0	28.8	.1		246	293	1.0	
07	ASB	EP	03 39 43.2				255	279	.1	
07	ASC	EP	03 39 44.1				263	281	.1	
07	AND	IP	03 39 46.7				279	283	.7	
07	ANA	IP	03 39 49.4				300	284	.8	
07	GMA	EP	03 43 1.5				1846	24	2.0	
.....										
07	4 1	58.50	51.21 N 177.09 W	DEPTH = 57.0 KM	MB = 4.7					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
07	ADK	EP	04 02 13.0				81	20	-.1	ML 4.4
07	ES		04 02 27.0						3.3	
07	AMA	IP	04 02 17.6	251.8	.2	4.33	141	275	-2.7	
07	ASD	IP	04 02 31.4				249	276	-2.2	
07	ASB	EP	04 02 32.0				256	275	-2.4	
07	SSI	IP	04 02 32.3				243	290	-.5	
07	ASC	IP	04 02 33.9				262	278	-1.3	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 07	AND	IP	04 02 35.6				278	280	-1.5	
. 07	RAT	IP	04 02 48.3				324	284	5.5	
. 07	GMA	EP	04 05 50.0				1831	24	1.3	

07	AMA	IP	04 25 26.5							
07	ASD	IP	04 25 40.4	17.9	.1					
07	SSI	IP	04 25 41.0							
07	ASB	IP	04 25 41.4							
07	ASC	IP	04 25 42.6							
07	AND	IP	04 25 44.8							

. 07	5	8	44.60	51.32 N	176.88 W	DEPTH = 60.0 KM	MB = 4.3	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
. 07	ADK	EP	05 08 56.6			64	12	-9	ML 4.0	
		ES	05 09 6.0					-9		
. 07	AMA	IP	05 09 7.2			156	269	-1.0		
. 07	SSI	IP	05 09 21.2			253	286	1.1		
. 07	ASD	IP	05 09 21.3			263	273	-1		
. 07	ASB	IP	05 09 22.3			270	272	.1		
. 07	ASC	IP	05 09 23.8			275	275	.9		
. 07	AND	IP	05 09 25.4			291	277	.6		
. 07	ANA	EP	05 09 28.6			311	278	1.3		
. 07	RAT	IP	05 09 31.7			336	281	1.3		
. 07	GMA	EP	05 12 35.3			1812	24	2.7		

. 07	8	19	19.30	51.70 N	177.15 W	DEPTH = 57.0 KM	MB = 4.2	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
. 07	ADK	EP	08 19 30.1			38	58	.5		
		ES	08 19 41.7					4.6		
. 07	AMA	IP	08 19 40.0			143	252	-1.4		
. 07	SSI	IP	08 19 53.4			225	277	1.9		
. 07	ASD	IP C	08 19 53.6			245	263	-3		
. 07	ASB	EP	08 19 54.7			252	263	-1		
. 07	ASC	EP	08 19 55.7			256	266	.5		
. 07	AND	EP	08 19 57.7			270	268	.8		
. 07	ANA	EP	08 20 .8			289	270	1.5		
. 07	RAT	IP	08 20 7.2			312	274	5.1		
. 07	GMA	EP	08 23 8.0			1782	25	4.5		

07	ADK	EP	08 31 13.0							
		ES	08 31 24.9							
07	ASB	IP	09 09 57.9							
		ES	09 10 3.8							
07	ASD	IP	09 09 58.2	3.6	.1	2.39				
07	AND	IP	09 10 1.3							
07	AMA	IP	10 22 25.0							
07	SSI	IP	10 22 37.8							
07	ASD	EP	10 22 40.2							
		ES	10 23 1.8							
07	ASB	EP	10 22 40.5							
		ES	10 23 4.2							
07	ADK	EP	10 28 8.1							
		ES	10 28 18.5							

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	12 14	42.04	51.17 N 178.60 E	DEPTH = 25.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASB	EP	12 14 51.3	4.0	.1	2.43	50	65	.1	
		ES	12 14 57.4						-.4	
07	AND	IP D	12 14 51.4				50	29	.2	
07	ASC	IP	12 14 51.6				51	50	.2	
07	ANA	IP C	12 14 51.7				51	5	.3	
07	ASD	EP	12 14 52.0				57	64	-.2	
07	RAT	IP	12 14 54.0				72	345	-.5	
07	SSI	IP	12 14 59.4				105	40	.0	
07	12 17	57.78	52.09 N 178.51 E	DEPTH = 164.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	RAT	IP	12 18 19.9				35	201	-.2	
		ES	12 18 36.6						.2	
07	ANA	EP	12 18 20.7				53	169	.0	
07	AND	EP	12 18 21.3				66	153	.0	
07	ASB	EP	12 18 23.2				96	148	.2	
		ES	12 18 41.2						-.2	
07	12 39	27.10	51.06 N 177.11 W	DEPTH = 33.0 KM MB = 4.0			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	ADK	EP	12 39 43.1				97	18	-.3	
		ES	12 39 55.3						.1	
07	AMA	IP	12 39 48.5				142	281	-1.1	
07	ASD	EP	12 40 2.3				250	280	-.7	
07	SSI	IP	12 40 3.0				247	293	.4	
07	ASB	EP	12 40 3.4				256	279	-.3	
07	AND	EP	12 40 6.9				279	283	.3	
07	ANA	EP	12 40 9.3				300	284	.1	
07	RAT	IP	12 40 12.9				327	286	.4	
07	16 34	41.00	51.11 N 176.83 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	ADK	EP	16 34 55.7				87	7	-.2	
		ES	16 35 5.1						-1.6	
07	AMA	IP	16 35 3.8				160	278	-2.0	
07	SSI	IP	16 35 18.0				263	291	-.5	
07	ASD	IP	16 35 19.2				268	278	.1	
07	ASB	IP	16 35 19.9				275	277	-.0	
		ES	16 35 54.0						5.7	
07	ASC	IP	16 35 21.1				281	280	.3	
07	AND	EP	16 35 23.2				297	281	.5	
07	ANA	EP	16 35 25.8				318	282	.5	
07	RAT	IP	16 35 29.1				344	285	.6	
07	16 40	33.92	51.76 N 179.92 E	DEPTH = 106.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP	16 40 50.5				58	225	-.1	
		IS	16 41 2.9						.2	
07	ASC	IP	16 40 51.0				62	238	.1	
07	ASB	IP	16 40 51.1				65	227	.0	
		ES								

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	18 54	5.69	51.53 N 179.90 E	DEPTH =		3.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP	18 54 12.9	2.2	.1	2.06	42	248	-.4	
07	SSI	IP	18 54 13.3	26.8	.1	3.18	45	332	-.7	
		IS	18 54 21.0						1.0	
07	ASB	EP	18 54 14.0	4.6	.1	2.44	49	247	-.6	
		ES	18 54 22.4						1.3	
07	ASC	EP	18 54 14.9				51	262	-.1	
07	AND	IP	18 54 18.1				65	273	.5	
07	AMA	IP	18 54 19.4				74	111	.4	
07	ANA	EP	18 54 20.4				86	277	-.4	
.....										
07	ADK	EP	19 34 17.9							
		ES	19 34 30.1							
07	AMA	IP	19 34 23.1							
07	ASD	IP C	19 34 37.1	30.5	.2					
07	SSI	IP	19 34 37.7							
07	ASB	IP	19 34 38.0	42.7	.2					
		ES	19 35 13.5							
07	ASC	IP C	19 34 39.2							
07	AND	IP	19 34 41.2							
07	ANA	EP	19 34 43.7							
07	RAT	IP	19 34 47.4							
.....										
07	21 11	27.70	52.69 N 170.58 W	DEPTH =		62.0 KM	MB = 4.6	TELESEISMIC SOLUTION		
FOX ISLANDS, ALEUTIAN ISLANDS										
07	AMA	IP	21 12 48.7				607	258		
07	SSI	IP	21 12 53.1				677	266		
07	ASD	IP D	21 13 .9	27.4	.2		707	262		REGIONAL
07	ASB	IP D	21 13 2.6	110.2	.2		714	262		
07	ASC	EP	21 13 2.9				716	263		
07	AND	IP D	21 13 4.4				728	264		
07	ANA	IP	21 13 6.5				746	265		
07	RAT	EP	21 13 9.0				764	267		
.....										
07	AMA	IP	21 20 22.3							
07	ASD	EP	21 20 35.9							
07	SSI	IP	21 20 36.5							
07	ASB	EP	21 20 36.8							
07	ASC	EP	21 20 38.4							
07	AND	EP	21 20 40.0							
		ES	21 21 18.7							
07	RAT	IP	21 20 46.2							
.....										
07	21 47	54.30	51.70 N 179.94 E	DEPTH =		25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP	21 48 4.0	4.1	.1	2.46	54	230	-.0	
07	ASB	IP	21 48 5.1	5.5	.1	2.64	61	232	.0	
		ES	21 48 12.9						.0	
07	AND	IP	21 48 6.1				70	258	-.2	
07	ANA	EP	21 48 9.3				89	265	.2	
.....										
07	23 24	28.40	50.78 N 176.16 W	DEPTH =		21.0 KM	MB = 4.3	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	ADK	EP	23 24 49.0				128	344	-.0	
		ES	23 25 1.9						-2.1	
07	AMA	IP	23 25 1.1				214	286	.2	
07	SSI	IP	23 25 13.4				320	294	-.6	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 07	ASD	EP	23 25 13.7				321	284	-.5	VERY EMERGENT
. 07	ASB	EP	23 25 15.3				327	283	.4	REGIONAL.
. 07	AND	EP	23 25 18.1				352	286	.2	
. 07	ANA	EP	23 25 21.1				373	287	.6	
. 07	RAT	IP	23 25 23.8				400	289	-.0	

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. 07	23 34 12.80	51.17 N 176.66 W DEPTH = 48.0 KM MB = 4.4					TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS											
. 07	ADK	EP	23 34 25.9				80	359	-1.1		
		ES	23 34 35.0						-2.3		
. 07	AMA	IP	23 34 37.8				171	276	-.4		
. 07	SSI	IP	23 34 51.5				272	289	.9		
. 07	ASD	IP C	23 34 52.1	4.6	.1		279	277	.6		
. 07	ASB	EP	23 34 52.8				286	276	.5		
		ES	23 35 35.5						14.3		
. 07	ASC	IP	23 34 52.9				292	278	-.2		
. 07	AND	EP	23 34 55.8				308	280	.8		
. 07	ANA	EP	23 34 59.4				329	281	1.8		
. 07	RAT	IP	23 35 2.0				354	283	1.2		
. 07	GMA	EP	23 38 2.0				1822	23	-.0		

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. 07	23 45 25.70	51.49 N 176.77 W DEPTH = 61.0 KM MB = 4.5					TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS											
. 07	ADK	EP	23 45 37.9				45	8	1.0		
		ES	23 45 46.1						1.1		
. 07	AMA	EP	23 45 49.0				164	263	-1.4		
. 07	ASD	EP	23 46 3.0				270	269	-.4		
. 07	SSI	IP	23 46 3.1				255	282	1.5		
. 07	ASB	EP	23 46 4.1				277	269	-.1		
		E	23 46 48.0								
. 07	ASC	EP	23 46 5.6				282	271	.8		
. 07	AND	EP	23 46 7.3				296	273	.7		
. 07	ANA	EP	23 46 10.0				317	275	.9		
. 07	RAT	EP	23 46 13.5				340	278	1.5		
. 07	GMA	EP	23 49 17.0				1793	24	5.7		

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08	ADK	EP	00 01 56.0							
		ES	00 02 6.3							
08	AMA	EP	00 02 6.6							
08	ASD	IP	00 02 20.9							
08	ASB	EP	00 02 21.4							
		ES	00 03 12.9							
08	SSI	IP	00 02 23.4							
08	ASC	IP	00 02 24.8							
08	AND	IP	00 02 27.1							
08	ANA	EP	00 02 31.4							
08	GMA	EP	00 05 32.6							

ML 3.9

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. 08	0 4 30.90	51.18 N 176.65 W DEPTH = 48.0 KM MB = 4.3					TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS											
. 08	ADK	EP	00 04 44.8				79	358	-.1		
		ES	00 04 53.0						-2.2		
. 08	AMA	IP	00 04 55.9				172	275	-.5		
. 08	SSI	IP	00 05 9.9				272	288	1.1		
. 08	ASD	IP C	00 05 10.0				280	276	.3		
. 08	ASB	IP	00 05 11.0				286	276	.5		
		I	00 05 53.3								
. 08	ASC	IP	00 05 12.0				293	278	.7		
. 08	AND	IP	00 05 14.2				308	280	1.0		
. 08	ANA	EP	00 05 16.7				329	281	.9		

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	RAT	IP	00 05 19.9				355	283	1.0	
08	ASD	IP	00 15 10.9							
08	ASB	IP	00 15 10.9							
08	ASC	IP	00 15 13.0							
08	AND	EP	00 15 17.1							
08	ANA	EP	00 15 17.3							
08	ADK	EP	00 15 45.7							
		ES	00 16 .1							
08	1 3 14.40		51.46 N 176.64 W				64.0		4.6	TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
08	ADK	EP	01 03 26.0				47	356	-0.0	ML 3.8
		ES	01 03 35.0						.5	
08	ASD	IP C	01 03 53.6				279	270	.4	
		ES	01 04 26.2						4.7	
08	ASB	IP D	01 03 54.4				286	269	.4	
08	ASC	IP C	01 03 55.7				291	272	1.0	
08	AND	IP	01 03 57.7				305	274	1.2	
08	ANA	IP	01 04 .1				326	275	1.1	
08	SMY	EP	01 04 41.4				648	286	2.7	
08	GMA	EP	01 07 5.3				1791	24	5.5	
08	1 43 41.93		51.73 N 179.12 E				82.4			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	AND	IP	01 43 54.0				22	212	-0.0	
08	ANA	IP	01 43 54.6				34	251	.0	
08	ASB	IP	01 43 55.0	3.8	.1	2.61	42	168	-0.0	
		ES	01 44 4.6						.0	
08	ASD	IP	01 43 55.0	7.7	.1	2.91	41	158	.0	
08	2 29 11.40		51.29 N 178.83 W				44.0		5.2	TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
08	AMA	IP D	02 29 18.5				20	271	-0.5	
08	ASD	IP D	02 29 31.6				128	276	.2	LARGE ALL
08	ASB	IP D	02 29 32.6				134	274	.4	LEVELS OVERLOAD
08	ASC	IP	02 29 33.7				141	279	.7	
08	SSI	IP D	02 29 33.8				129	302	2.3	
08	AND	EP	02 29 35.8				157	282	.8	
08	ADK	EP	02 29 37.0				163	65	1.3	
		ES	02 29 55.7						2.3	
08	ANA	IP	02 29 39.1				178	283	1.5	
08	RAT	IP	02 29 42.5				205	287	1.6	
08	SMY	EP	02 30 26.5				510	291	7.9	
08	GMA	EP	02 33 8.3				1875	26	1.2	
08	AMA	IP D	02 32 32.2							
08	ASD	IP	02 32 45.3	44.7	.1	3.92				
		ES	02 33 4.0							
08	ASB	IP	02 32 46.4							
08	ASC	IP	02 32 47.5							
08	SSI	IP	02 32 47.5							
08	AND	IP	02 32 49.6							
08	ANA	IP	02 32 53.9							
08	RAT	IP	02 32 56.4							
08	AMA	IP D	02 46 12.0	19.0	.1	3.07				
		E(S)	02 46 17.5							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	SSI	EP	02 46 28.0							
08	AMA	IP D	02 46 27.2							
		E(S)	02 46 32.8							
08	ASD	EP	02 46 40.8							
08	ASB	EP	02 46 42.1							
08	SSI	IP	02 46 42.6							
08	ASC	IP	02 46 44.6							
08	AND	EP	02 46 45.8							
08	ANA	EP	02 46 49.4							
08	AMA	IP	02 46 43.0							
		I(S)	02 46 48.7							
08	ASD	IP	02 46 56.7	42.0	.1	3.89				
		ES	02 47 15.2							
08	ASB	EP	02 46 57.4							
08	ASC	IP	02 46 58.4							
08	SSI	IP	02 46 58.5							
08	AND	IP	02 47 1.5							
08	ANA	IP	02 47 4.8							
08	AMA	IP D	03 00 42.2	164.3	.1					
08	ASD	IP	03 00 55.3							
		IS	03 01 12.6							
08	ASB	EP	03 00 56.8							
		ES	03 01 14.8							
08	SSI	IP	03 00 57.6	39.9	.1					
08	ASC	IP	03 00 58.9							
08	AND	EP	03 01 .4							
08	ANA	IP	03 01 4.2							
08	RAT	EP	03 01 6.6							
08	AMA	IP D	03 03 37.0							
08	ASD	IP	03 03 50.2	45.8	.1	3.92				
08	ASB	IP	03 03 51.3							
		ES	03 04 10.3							
08	ASC	IP	03 03 52.3							
08	SSI	IP	03 03 52.4							
08	AND	IP	03 03 55.4							
08	ANA	EP	03 03 58.6							
08	RAT	IP	03 04 1.1							
08	AMA	IP D	03 05 4.1	45.4	.1					
08	ASD	EP	03 05 17.7							
		ES	03 05 36.2							
08	ASB	EP	03 05 19.4							
08	SSI	IP	03 05 19.8							
08	ASC	IP	03 05 21.1							
08	AND	EP	03 05 22.5							
08	ANA	EP	03 05 26.3							
08	RAT	IP	03 05 29.3							
08	AMA	IP D	03 23 8.3							
08	ASD	EP	03 23 21.1							
		IS	03 23 38.8							
08	ASB	EP	03 23 22.8							
08	ASC	IP D	03 23 23.6							
08	SSI	IP	03 23 23.6							
08	AND	IP	03 23 26.3							
08	ANA	IP	03 23 29.4							
08	RAT	IP	03 23 32.3							

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08	4	0	5.20	51.47 N	176.66 W	DEPTH = 65.0 KM	MB = 4.1	TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
08	ADK	EP	04 00 16.9			47	358	-.0
		ES	04 00 26.0					.6
08	AMA	IP	04 00 29.8			171	264	-1.1

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 08	SSI	IP	04 00 43.5				263	282	1.4	
. 08	ASD	IP C	04 00 43.7	14.1	.2		278	270	-.2	
. 08	ASB	EP	04 00 44.8				284	269	.1	
. 08	ASC	EP	04 00 46.2				290	272	.9	
. 08	AND	IP	04 00 48.2				304	274	1.1	
. 08	ANA	EP	04 00 50.5				324	275	.9	
. 08	RAT	EP	04 00 54.2				348	278	1.7	

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. 08 4 43 .50 51.38 N 177.00 W DEPTH = 54.0 KM MB = 4.2 TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS

. 08	ADK	EP	04 43 12.8				60	21	.1	ML 4.2
. 08		ES	04 43 21.6						.0	
. 08	AMA	IP	04 43 21.7				147	267	-1.3	
. 08	ASD	IP D	04 43 35.8				254	272	-.4	
. 08	SSI	IP D	04 43 36.1				243	285	1.3	
. 08	ASB	EP	04 43 36.5				261	271	-.5	
. 08		E	04 44 13.1							
. 08	ASC	EP	04 43 38.6				267	274	.9	
. 08	AND	EP	04 43 40.0				282	276	.5	
. 08		E	04 44 20.1							
. 08	ANA	EP	04 43 45.1				302	277	3.0	
. 08	RAT	IP	04 43 46.1				327	280	1.0	
. 08	GMA	EP	04 46 52.0				1810	24	3.8	

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. 08	AMA	IP	05 53 41.8							
. 08		IS	05 53 58.0							
. 08	SSI	IP	05 53 53.5							
. 08	ASD	IP D	05 53 55.1	13.4	.2					
. 08		ES	05 54 27.2							
. 08	ASB	IP	05 53 56.2							
. 08	ASC	IP	05 53 57.2							
. 08	AND	IP	05 53 58.9							
. 08	ANA	EP	05 54 1.6							
. 08	RAT	IP	05 54 4.5							

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. 08 6 39 17.80 51.30 N 176.53 W DEPTH = 52.0 KM MB = 4.4 TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS

. 08	ADK	EP	06 39 30.2				66	351	-.3	ML 3.7
. 08		ES	06 39 39.6						-.1	
. 08	AMA	IP	06 39 43.7				179	271	-.5	
. 08	ASD	EP	06 39 56.8				287	274	-.7	
. 08		E	06 40 41.4							
. 08	SSI	IP	06 39 57.0				276	285	.8	
. 08	ASB	EP	06 39 58.0				294	273	-.3	
. 08	ASC	EP	06 40 .2				299	275	1.2	
. 08	AND	EP	06 40 1.9				315	277	1.0	
. 08	ANA	EP	06 40 5.4				335	278	1.9	
. 08	RAT	IP	06 40 8.0				360	281	1.5	

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. 08 7 5 38.90 50.86 N 177.07 W DEPTH = 33.0 KM MB = 4.3 TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS

. 08	AMA	IP	07 06 .5				150	289	-2.0	
. 08	SSI	IP	07 06 14.9				259	298	-1.0	
. 08	ASD	IP	07 06 15.5				258	285	-.2	
. 08	ASB	IP	07 06 16.5				263	284	.1	
. 08		E	07 06 50.3							
. 08	ASC	IP	07 06 17.7				271	286	.3	
. 08	AND	IP	07 06 19.6				288	287	.1	
. 08	ANA	IP	07 06 23.5				309	288	1.4	
. 08	RAT	IP	07 06 25.7				337	290	.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	GMA	EP	07 09 32.5				1866	23	-1.8	
08	7 12 34.89		51.61 N 178.89 E							FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
08	AND	IP	07 12 46.5				7	139	-.2	
08	ANA	IP	07 12 46.9				16	278	.1	
08	ASC	IP	07 12 47.3				25	130	.2	
08	ASB	IP	07 12 47.7	23.3	.1	3.39	37	138	-.0	
		IS	07 12 57.0						-.1	
08	ASD	IP	07 12 47.8	15.4	.1	3.21	39	127	-.1	
		IS	07 12 57.4						.1	
8	8 49 47.30		59.83 N 153.68 W							TELESEISMIC SOLUTION SOUTHERN ALASKA
08	9 24 36.30		63.03 N 150.36 W							TELESEISMIC SOLUTION CENTRAL ALASKA
08	GMA	EP	09 25 55.3				591	302		
08	GMA	EP	10 16 43.2							
08	13 44 40.18		51.32 N 178.48 E							FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
08	ANA	IP C	13 44 50.1				36	20	.0	
08	AND	IP	13 44 50.5				42	50	-.1	
08	ASC	IP	13 44 51.4				50	71	.1	
08	ASB	IP D	13 44 51.6				53	85	-.0	
		ES	13 45 0.0						.0	
08	GMA	EP	14 08 32.4							
08	14 35 52.18		50.27 N 178.84 E							FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
08	ASB	IP C	14 36 11.8				125	13	-.1	
		IS	14 36 26.2						-.1	
08	ASD	IP C	14 36 12.3	69.2	.1	4.03	130	16	-.2	
08	AND	IP	14 36 14.1				144	3	-.2	
08	ANA	IP D	14 36 15.1				152	355	-.1	
08	AMA	IP	14 36 19.0				184	51	-.2	
08	SSI	IP	14 36 20.7				188	16	1.0	
08	19 21 11.90		51.20 N 176.78 W							TELESEISMIC SOLUTION ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	ADK	IP D	19 21 25.3				76	5	-.5	
		IS	19 21 35.2						-.6	
08	AMA	IP	19 21 35.1				163	274	-3.1	
08	SSI	IP	19 21 48.6				263	288	-4.7	
08	ASB	EP	19 21 49.5				277	275	-5.9	
		ES	19 22 22.5						-4.6	
08	ASD	IP	19 21 51.2				271	276	-3.2	
08	AND	IP	19 21 54.7				299	279	-4.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 08	ANA	IP	19 21 58.5				320	280	-3.3	
. 08	RAT	EP	19 22 .3				346	283	-5.4	
.....										
. 08	21	4	21.80	63.45 S	61.21 W	DEPTH =	33.0 KM	MB = 6.3	MS = 7.0	TELESEISMIC SOLUTION
SOUTH SHETLAND ISLANDS										
. 08	ADK	EP	21 23 54.7				16142	282		EL 2205100
		E	21 40 2.0							
		E	21 47 37.0							
.....										
08	ADK	IP	22 32 9.7							
		ES	22 32 21.6							
09	ADK	EP	01 39 26.5							
		ES	01 39 35.3							
09	ADK	EP	02 05 2.1							
		ES	02 05 13.7							
.....										
. 09	2	27	32.71	51.10 N	179.27 E	DEPTH =	38.0 KM			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	ASB	IP C	02 27 40.5				29	357	.1	
		IS	02 27 45.5						-.5	
. 09	ASD	IP	02 27 40.8				33	9	-.0	
. 09	ASC	IP C	02 27 41.9				41	350	.2	
. 09	AND	IP	02 27 43.6				56	337	.0	
. 09	ANA	IP C	02 27 45.7				73	324	-.1	
. 09	SSI	IP	02 27 48.7				91	14	.3	
. 09	RAT	IP	02 27 49.8				102	320	-.1	
. 09	AMA	IP	02 27 51.5				115	79	.0	
		ES	02 28 5.0						-.2	
.....										
. 09	2	37	59.75	51.22 N	179.92 E	DEPTH =	21.4 KM			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	ASD	IP C	02 38 7.9	12.0	.1	2.86	45	296	-.1	
. 09	ASB	IP	02 38 8.8				50	289	.1	
		IS	02 38 15.1						-.1	
. 09	ASC	IP	02 38 10.1				59	298	.0	
. 09	AMA	IP	02 38 11.4				68	83	.0	
		IS	02 38 19.8						-.1	
. 09	AND	IP	02 38 12.9				77	300	.1	
. 09	SSI	IP	02 38 13.0				79	343	.0	
. 09	ANA	IP	02 38 15.8				99	298	-.2	
.....										
09	ADK	EP	02 51 50.7							
		ES	02 52 0.0							
09	ADK	EP	03 52 27.7							
		ES	03 52 37.7							
.....										
. 09	4	47	58.89	51.23 N	179.97 W	DEPTH =	40.8 KM			FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 09	ASD	IP	04 48 9.4	11.3	.1	2.94	51	290	.1	
. 09	ASB	IP	04 48 10.2				56	285	.2	
		IS	04 48 17.5						-.5	
. 09	AMA	IP	04 48 10.4				60	84	-.1	
. 09	ASC	IP	04 48 11.3				65	293	.2	
. 09	SSI	IP	04 48 13.1				79	338	.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	AND	IP	04 48 13.2				83	296	-.3	
09	ANA	EP	04 48 16.3				105	295	.2	
09	ADK	EP	05 50 13.1							
		ES	05 50 25.7							
09	ADK	EP	07 34 48.4							
		ES	07 35 .8							
09	ADK	IP	09 33 8.5							
		ES	09 33 21.2							
09	SSI	IP	09 39 59.9							
09	RAT	IP	09 40 56.7							
09	ANA	IP	09 40 57.8							
09	AND	IP	09 40 58.6							
09	ASB	IP	09 41 .9							
09	ASD	IP	09 41 .9							
		IS	09 41 16.7							
09	ADK	EP	11 13 39.9							
		ES	11 13 52.5							
09	14 0 41.60		34.40 N 118.39 W							DEPTH = 13.0 KM MB = 6.2 MS = 6.5 TELESEISMIC SOLUTION
			SOUTHERN CALIFORNIA							
09	ADK	EP	14 08 54.9				4971	311		
		ES	14 15 58.0							
		EL	14 20 14.0							
09	ASD	EP	14 09 13.9				5249	311		TELESEISMIC
09	ASB	EP	14 09 14.5				5255	311		
09	AND	EP	14 09 15.3				5274	311		
09	ANA	EP	14 09 17.2				5294	311		
09	14 47 6.80		51.40 N 178.60 E							DEPTH = 52.0 KM TELESEISMIC SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ANA	IP	14 47 15.7				25	9	.0	
09	AND	IP	14 47 15.9				30	53	-.1	
09	ASC	IP	14 47 16.8				40	80	.0	
09	ASB	IP	14 47 17.2				45	95	-.1	
		IS	14 47 24.7						-.2	
09	RAT	IP	14 47 17.5				48	337	-.1	
09	ASD	IP	14 47 17.8	63.3	.1	3.74	51	91	-.1	
		IS	14 47 26.1						.1	
09	SSI	IP	14 47 21.9				87	51	-.1	
		IS	14 47 33.5						.4	
09	ADK	IP	15 14 55.4							
		ES	15 15 9.3							
09	GMA	EP	16 18 44.6							
09	AMA	IP	16 59 44.9							
09	ASD	IP	16 59 47.0	24.5	.1					
09	ASB	IP	16 59 47.7							
09	ASC	IP	16 59 49.2							
09	AND	EP	16 59 51.5							
		IS	17 00 6.1							
09	SSI	IP	16 59 52.0	70.9	.1					
09	ANA	EP	16 59 54.7							
09	RAT	IP	16 59 58.5							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
09	18 20	.20	51.26 N 178.29 W DEPTH = 36.0 KM MB = 4.4				TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	AMA	IP C	18 20 10.1	82.2	.1	3.82	57	274	-.9	
		ES	18 20 17.5						-1.4	
09	ADK	EP	18 20 21.3				131	57	.1	
		ES	18 20 39.3						2.8	
09	SSI	IP	18 20 24.1				163	297	-1.0	
09	ASD	EP	18 20 24.3				165	276	-1.1	
09	ASB	EP	18 20 25.0				172	275	-1.1	
		ES	18 20 46.1						1.0	
09	ASC	EP	18 20 28.1				178	278	1.1	
09	AND	EP	18 20 29.1				194	281	.2	
09	ANA	EP	18 20 31.7				215	282	.2	
09	RAT	IP	18 20 35.2				242	286	.4	
.....										
09	19 9 59.17		52.07 N 178.90 E DEPTH = 34.5 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	RAT	IP	19 10 8.9				49	233	.0	
09	SSI	IP	19 10 9.0	19.9	.1	3.17	51	112	-.1	
		IS	19 10 16.5						.1	
09	ANA	IP D	19 10 9.3				52	198	.1	
09	AND	IP	19 10 9.5				57	176	-.3	
09	ASC	IP	19 10 11.8				70	165	.1	
09	ASD	IP	19 10 13.4	12.7	.2	2.82	82	158	.1	
09	ASB	IP	19 10 13.5				83	163	.0	
		ES	19 10 23.8						-.1	
.....										
09	22 45 47.33		50.98 N 179.47 W DEPTH = 34.7 KM				FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	AMA	IP	22 45 56.6	38.9	.1	3.41	43	36	.4	
		IS	22 46 2.4						-.2	
09	ASD	IP	22 46 2.8	9.8	.1	3.05	95	299	-.6	
09	ASB	IP	22 46 4.2				99	296	.2	
09	ASC	IP	22 46 5.8				109	300	.3	
09	SSI	IP	22 46 6.7	31.0	.1	3.64	121	328	-.4	
09	AND	IP	22 46 7.5				128	301	-.5	
		ES	22 46 23.8						.8	
09	ANA	IP	22 46 11.0				149	300	.4	
09	RAT	IP	22 46 14.1				178	302	-.1	
.....										
09	23 57 12.15		51.19 N 179.40 E DEPTH = 42.8 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IP D	23 57 20.0				22	331	.2	
		IS	23 57 24.9						-.5	
09	ASD	IP D	23 57 20.0				23	350	.1	
09	ASC	IP	23 57 21.2				35	332	.3	
09	AND	IP D	23 57 22.7				52	323	-.1	
09	ANA	IP	23 57 25.0				71	314	-.2	
09	SSI	IP C	23 57 26.4	119.7	.1	4.10	80	9	.2	
09	RAT	IP D	23 57 28.7				101	313	-.1	
09	AMA	IP	23 57 29.4				104	83	.1	
		IS	23 57 41.3						-.5	
.....										
10	ASD	IP	01 09 16.7	6.2	.1	2.95				
		I(S)	01 09 31.0							
10	ASB	EP	01 09 17.4							
10	AND	EP	01 09 21.3							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES. (SEC)	REMARKS
10	ANA	EP	01 09 25.2							POOR P
10	ADK	EP	03 03 27.9							
		ES	03 03 40.4							
10	ADK	EP	04 42 55.6							
		ES	04 43 9.2							

.....										
10	5 40 54.50	51.86 N 177.62 W	DEPTH = 106.0 KM	MB = 3.8	TELESEISMIC SOLUTION					
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
10	ADK	IP D	05 41 12.4				64	87	.9	
		IS	05 41 25.7						1.7	
10	AMA	IP	05 41 16.6	84.3	.1	4.17	121	239	.1	
		IS	05 41 33.8						1.3	
10	SSI	IP	05 41 23.5				192	272	-.6	
10	ASD	IP	05 41 27.0	4.6	.1		215	257	.1	
10	ASB	EP	05 41 27.6				224	257	-.2	
		ES	05 41 51.3						-.7	
10	AND	EP	05 41 30.9				239	263	1.4	
10	ANA	EP	05 41 32.7				258	266	.9	
.....										
10	SMY	EP	07 49 26.2							
10	GMA	EP	07 53 31.0							

.....										
10	8 24 24.55	51.72 N 179.96 E	DEPTH = 25.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
10	SSI	EP	08 24 31.6				32	306	.3	
		IS	08 24 35.9						-.3	
10	ASD	IP D	08 24 34.7	5.0	.1	2.57	57	230	.0	
		IS	08 24 42.2						.1	
10	ASB	IP	08 24 35.7	8.4	.1	2.84	64	231	-.0	
		IS	08 24 43.9						.0	
10	AND	EP	08 24 36.7				72	256	-.2	
10	ANA	EP	08 24 39.6				91	264	-.1	
10	RAT	IP	08 24 43.0				113	275	-.0	
		IS	08 24 56.7						.2	
.....										
10	ADK	IP	09 36 43.4							
		IS	09 36 53.2							
10	AMA	IP C	09 36 50.3	72.0	.2					
10	SSI	EP	09 37 4.4							
10	ASD	EP	09 37 5.7	31.9	.3					
		ES	09 37 34.2							
10	ASB	EP	09 37 6.4							
10	AND	EP	09 37 9.6							
10	ANA	EP	09 37 13.8							
10	RAT	EP	09 37 15.5							

.....										
10	10 7 5.20	51.26 N 176.98 W	DEPTH = 46.0 KM	MB = 4.2	TELESEISMIC SOLUTION					
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
10	ADK	IP D	10 07 19.0				72	16	.6	ML 4.2
		IS	10 07 31.0						3.0	
10	AMA	IP C	10 07 27.5				148	272	-.3	
10	ASD	IP C	10 07 40.8	9.8	.1		256	275	-.3	
		E	10 08 19.2							
10	SSI	IP D	10 07 41.3				248	288	1.3	
10	ASB	IP	10 07 41.8				263	274	-.1	
10	ASC	EP	10 07 42.9				269	276	.3	
10	AND	EP	10 07 45.2				284	278	.7	
10	ANA	EP	10 07 47.9				305	279	.8	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	RAT	IP	10 07 51.3				330	282	1.1	
10	GMA	EP	10 10 58.1				1822	24	3.8	
.....										
10	10 32 10.90	50.57 N 176.76 W DEPTH = 36.0 KM						TELESEISMIC SOLUTION		
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
10	ADK	IP C	10 32 33.4				147	2	-.4	
		IS	10 32 46.8						-3.6	
10	AMA	IP C	10 32 38.0				183	297	-.3	
		ES	10 32 55.8						-2.5	
10	ASD	IP	10 32 51.2	10.2	.1		288	290	-.0	
		ES	10 33 26.6						5.9	
10	ASB	EP	10 32 52.1				293	289	.2	
10	SSI	IP D	10 32 52.1				294	301	.1	
10	ASC	EP	10 32 53.0				302	291	.0	
10	AND	IP	10 32 55.7				320	292	.6	
10	ANA	EP	10 32 58.2				341	292	.4	
10	RAT	IP D	10 33 1.9				369	294	.7	
.....										
10	ADK	IP	11 57 8.2							
		ES	11 57 21.0							
10	ADK	IP	14 54 35.2							
		ES	14 54 48.2							
.....										
10	16 33 11.89	51.42 N 178.79 E DEPTH = 42.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
10	AND	IP	16 33 19.3				19	36	-.0	
10	ANA	EP	16 33 19.7				24	339	.0	
10	ASC	EP	16 33 19.9				26	80	.0	
10	ASB	EP	16 33 20.4				32	102	-.0	
		ES	16 33 26.6						-.0	
10	ASD	EP	16 33 21.0				38	95	-.0	
.....										
10	ADK	EP	16 57 58.1							
		ES	16 58 11.6							
10	ADK	IP	17 08 21.0							
		ES	17 08 32.6							
.....										
10	18 11 3.45	51.66 N 179.70 W DEPTH = 24.9 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
10	SSI	IP C	18 11 13.4	66.5	.1	3.68	56	298	.0	
10	AMA	IP C	18 11 13.8	11.9	.1	2.95	58	135	.0	
		ES	18 11 21.2						-.1	
10	ASD	IP	18 11 15.8	6.6	.1	2.77	73	246	-.1	
10	ASB	IP	18 11 17.0				80	246	.0	
		ES	18 11 26.9						.0	
10	ASC	IP D	18 11 17.4				82	255	.2	
10	AND	IP	18 11 18.7				94	264	-.3	
10	ANA	IP	18 11 22.2				113	269	.3	
10	RAT	IP	18 11 25.4				137	277	-.1	
.....										
10	21 39 30.36	51.87 N 178.61 E DEPTH = 79.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
10	ANA	IP	21 39 42.2				27	172	-.1	
10	RAT	IP	21 39 42.2	6.8	.1	2.81	21	249	.1	
		IS	21 39 50.5						-.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 10	AND	IP	21 39 43.1				41	145	-.0	
.		IS	21 39 52.5						.1	
. 10	ASC	EP	21 39 44.8				59	139	.4	
. 10	SSI	EP	21 39 45.1				67	87	-.0	
. 10	ASB	EP	21 39 45.3				72	142	-.2	
. 10	ASD	IP	21 39 45.6	2.4	.1	2.47	73	136	-.1	
.....										
10	ADK	EP	22 13 58.7							
		ES	22 14 12.3							
.....										
. 11	0 13	55.90	60.10 N 147.25 W	DEPTH =	24.0 KM	MB = 4.2	TELESEISMIC SOLUTION			
.			SOUTHERN ALASKA							
.....										
11	ADK	IP	01 28 14.7							
		ES	01 28 30.2							
11	ADK	EP	03 13 .9							
		ES	03 13 14.5							
11	AMA	IP	03 13 7.1							
11	ASD	EP	03 13 20.4	9.0	.2					
11	SSI	IP	03 13 21.0							
11	ASB	EP	03 13 21.3	4.4	.1					
		ES	03 14 2.1							
11	AND	EP	03 13 24.8							
11	ANA	EP	03 13 27.3							
11	RAT	IP	03 13 31.1							
.....										
. 11	5 57	7.90	59.92 N 147.56 W	DEPTH =	33.0 KM		TELESEISMIC SOLUTION			
.			GULF OF ALASKA							
.....										
11	ADK	EP	06 35 36.5							
		ES	06 35 51.7							
.....										
. 11	8 36	9.90	51.24 N 176.68 W	DEPTH =	33.0 KM	MB = 4.2	TELESEISMIC SOLUTION			
.			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
. 11	ADK	IP C	08 36 22.3				72	359	-.3	
.		ES	08 36 36.2						4.4	
. 11	AMA	IP	08 36 34.9				170	273	-1.0	
. 11	ASD	EP	08 36 48.4				278	275	-.8	NO VISIBLE S.
. 11	SSI	IP	08 36 48.7				269	287	.6	
. 11	ASB	EP	08 36 49.7				284	274	-.3	
. 11	ASC	EP	08 36 51.2				290	277	.4	
. 11	AND	EP	08 36 52.8				306	278	.1	
. 11	ANA	EP	08 36 55.8				326	279	.6	
. 11	RAT	EP	08 36 58.8				352	282	.5	
.....										
. 11	8 45	40.00	60.20 N 151.76 W	DEPTH =	107.0 KM		TELESEISMIC SOLUTION			
.			KENAI PENINSULA, ALASKA							
.....										
. 11	9 46	53.57	52.01 N 177.94 E	DEPTH =	124.4 KM		FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 11	RAT	IP	09 47 11.2	32.3	.1	3.67	35	131	.1	
.		ES	09 47 23.6						-.3	
. 11	ANA	IP	09 47 12.8				65	130	.2	
. 11	AND	IP	09 47 14.1				85	125	.1	
.		ES	09 47 29.2						.3	
. 11	ASB	EP	09 47 16.2				115	128	-.3	
. 11	SSI	EP	09 47 16.3				114	96	-.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ASD	EP	09 47 16.7				118	125	-.1	
.....										
11	10 36 59.60	51.82 N 173.52 W DEPTH = 43.0 KM MB = 3.8					TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN IS.										
11	ADK	IP	10 37 30.0				219	273		
		ES	10 37 56.3							
11	AMA	EP	10 37 49.9				393	264		
11	SSI	EP	10 38 2.0				475	274		
11	ASD	IP D	10 38 3.9	13.4	.3		497	267		
11	ASB	IP D	10 38 4.6				504	267		
		ES	10 39 9.7							
11	ASC	EP	10 38 5.7				508	268		
11	AND	EP	10 38 7.2				522	270		
11	ANA	EP	10 38 10.3				541	271		
11	RAT	EP	10 38 14.7				563	273		
11	GMA	EP	10 40 37.5				1671	20		
.....										
11	ADK	IP	10 39 52.7							
		ES	10 40 18.6							
.....										
11	10 44 24.25	51.63 N 179.24 E DEPTH = 70.8 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP D	10 44 35.1	4.1	.1	2.56	28	165	-.2	
		ES	10 44 43.5						.1	
11	ASB	EP	10 44 35.5				30	179	.1	
11	ANA	EP	10 44 36.0				40	269	-.0	
11	SSI	IP	10 44 36.0	4.6	.1	2.63	38	40	.1	
		IS	10 44 44.2						-.1	
.....										
11	11 8 13.99	51.42 N 178.78 E DEPTH = 44.7 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	AND	IP	11 08 21.8				20	37	.1	
11	ANA	IP	11 08 22.2				25	341	.2	
11	ASC	IP	11 08 22.5				27	79	.2	
11	ASB	IP	11 08 22.8	6.6	.1	2.64	33	100	.0	
		ES	11 08 28.9						-.3	
11	ASD	IP	11 08 23.3	4.2	.1	2.47	39	94	-.1	
		IS	11 08 29.9						-.3	
11	RAT	EP	11 08 24.5	5.5	.1	2.65	53	324	-.3	
11	SSI	IP C	11 08 27.9				77	46	.1	
		IS	11 08 37.7						-.1	
.....										
11	ADK	IP	11 21 6.2							
		ES	11 21 19.5							
.....										
11	12 18 33.80	50.67 N 175.74 W DEPTH = 33.0 KM					TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN ISLANDS										
11	ADK	IP C	12 18 55.7				150	334	-1.7	
		IS	12 19 9.6						-5.0	
11	AMA	EP	12 19 8.4	17.1	.1		246	288	-.8	
11	ASD	EP	12 19 22.3	2.5	.1		353	285	-.1	
		E(S)	12 19 57.3						-.6	
11	SSI	IP	12 19 22.3				352	294	-.0	
11	ASB	EP	12 19 23.3				359	284	.1	
11	ASC	EP	12 19 24.8				367	286	.7	
11	AND	EP	12 19 26.3				384	287	.1	
11	ANA	EP	12 19 29.7				405	287	.9	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	RAT	EP	12 19 32.8				432	289	.7	
.....										
11	12 55 53.80	51.22 N 177.22 W DEPTH = 50.0 KM MB = 5.5 MS = 5.2 TELESEISMIC SOLUTION								
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
11	ADK	IP D	12 56 8.4				83	27	-.0	ML 4.7
		IS	12 56 17.8						-1.3	
11	AMA	IP C	12 56 12.1				132	274	-2.2	
11	ASD	IP D	12 56 26.0				240	276	-1.7	VERY HIGH AMP.
11	SSI	IP C	12 56 26.9				233	290	.1	
11	ASB	EP	12 56 26.9				246	275	-1.6	
11	ASC	EP	12 56 28.1				253	278	-1.1	
11	AND	EP	12 56 30.3				268	280	-.9	
11	ANA	EP	12 56 32.9				289	281	-.9	
11	RAT	IP	12 56 36.4				315	284	-.5	
11	SMY	EP	12 57 18.0				618	289	3.7	
11	CSA	EP	12 57 58.5				909	61	8.2	
11	GMA	EP	12 59 43.9				1833	24	-.5	
.....										
11	ASB	EP	13 36 38.7	28.1	.2	3.38				
		ES	13 36 55.8							
11	ASD	IP C	13 36 38.8							
11	AMA	IP C	13 36 39.4	21.9	.1	3.58				
		IS	13 36 56.5							
11	ASC	EP	13 36 40.3							
11	AND	EP	13 36 42.3							
		ES	13 37 2.2							
11	ANA	EP	13 36 44.3							
11	SSI	IP	13 36 46.8							
11	RAT	IP	13 36 49.4							
11	AMA	IP D	14 06 1.6	136.7	.2	3.54				
		IS	14 06 6.1							
11	ASD	EP	14 06 13.5	3.4	.1	2.69				
		ES	14 06 27.8							
11	ASB	EP	14 06 14.3							
11	SSI	IP	14 06 15.5							
		IS	14 06 30.2							
11	ASC	EP	14 06 15.7							
11	AND	EP	14 06 18.0							
11	ANA	EP	14 06 22.2							
11	RAT	EP C	14 06 25.5							
.....										
11	14 21 51.15	51.24 N 179.65 E DEPTH = 59.4 KM								
RAT ISLANDS, ALEUTIAN ISLANDS										
FREE DEPTH SOLUTION										
11	ASD	EP	14 22 .8	1.0	.1	1.88	27	308	-.1	
		IS	14 22 7.9						-.1	
11	ASB	EP	14 22 1.3				31	295	.2	
		ES	14 22 8.4						-.0	
11	ASC	EP	14 22 2.1				42	306	.1	
11	AND	EP	14 22 3.4				60	307	-.3	
11	SSI	EP	14 22 4.9	2.2	.1	2.38	73	357	-.1	
		IS	14 22 15.2						.1	
11	ANA	EP	14 22 6.0				81	302	.1	
.....										
11	ADK	IP	14 59 51.8							
		ES	15 00 5.7							

FEB	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	15 15	51.20	51.80 N 179.26 W	DEPTH = 107.0 KM	MB = 3.3	TELESEISMIC SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	AMA	IP C	15 16 8.1	21.6	.1	3.47	57	170	.2	
		IS	15 16 20.1						.0	
11	SSI	IP D	15 16 9.7	35.5	.1	3.72	80	278	.2	
11	ASD	IP D	15 16 11.9	9.2	.1	3.19	107	246	.0	
		IS	15 16 27.1						.1	
11	ASB	EP	15 16 12.8				114	246	.2	
		ES	15 16 28.0						-.2	
11	ASC	EP	15 16 13.0				115	252	.3	
11	AND	IP	15 16 14.0				125	259	.2	
11	ANA	IP	15 16 16.1				145	263	.4	
11	RAT	IP D	15 16 18.0	8.2	.1	3.24	166	271	.0	
11	RAT	IP D	17 09 37.9							
		IS	17 09 52.3							
11	ANA	IP	17 09 41.2							
11	AND	EP	17 09 43.4							
11	ASC	EP	17 09 45.7							
11	ASB	EP	17 09 47.8							
11	ASD	EP	17 09 48.7							
		ES	17 10 11.5							
11	SSI	IP	17 09 49.4							
11	18 24	4.68	51.47 N 179.44 E	DEPTH = 62.2 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	EP	18 24 14.1				11	218	.1	
11	ASB	IP C	18 24 14.2				18	229	-.0	
		IS	18 24 21.3						.1	
11	ASC	IP	18 24 14.3				19	269	-.0	
11	AND	IP C	18 24 14.9				35	288	-.3	
11	SSI	IP C	18 24 16.3	14.6	.1	3.13	49	12	-.0	
		IS	18 24 24.8						-.0	
11	ANA	IP	18 24 17.1				57	289	.1	
11	RAT	IP	18 24 19.9				85	296	-.1	
		IS	18 24 31.7						.5	
11	AMA	EP	18 24 22.2	6.2	.1	2.93	103	100	.1	
11	AMA	IP D	20 19 13.8	9.0	.1	2.74				
		IS	20 19 19.3							
11	SSI	IP	20 19 24.0	3.4	.1					
11	ASD	IP	20 20 48.0	1.7	.1	1.96				
11	ASB	IP	20 20 49.0	3.1	.1	2.28				
		IS	20 20 54.5							
11	ASC	IP	20 20 50.0							
11	AND	EP	20 20 52.5							
11	21 16	48.05	51.31 N 179.28 E	DEPTH = 34.6 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASB	EP	21 16 53.6	3.5	.1	2.19	7	338	-.2	
11	ASC	IP	21 16 54.9				19	335	.4	
		IS	21 16 58.7						-.4	
11	AND	IP	21 16 56.5				37	321	.3	
11	SSI	EP	21 17 .1	7.3	.1	2.82	69	18	-.3	
		IS	21 17 9.6						.3	
11	RAT	IP	21 17 2.6	13.1	.1	3.15	85	310	-.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	21 31	18.29	51.26 N 179.79 W	DEPTH = 30.0 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	AMA	IP C	21 31 27.3	15.2	.1	3.01	47	86	-.1	
		ES	21 31 34.1						.1	
11	ASB	EP	21 31 30.4				68	280	.1	
		ES	21 31 38.9						-.1	
11	ASC	EP	21 31 31.4				76	288	-.0	
11	SSI	IP D	21 31 32.4				83	329	.0	
.....										
11	ANA	EP	22 36 58.8							
11	AND	EP	22 37 .5							
11	ASB	EP	22 37 1.4							
11	ASD	EP	22 37 2.3							
11	SSI	IP	22 37 8.6							
		ES	22 37 36.9							
11	ADK	EP	22 47 42.5							
		ES	22 47 55.0							
.....										
12	4 35	29.10	51.25 N 177.34 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
12	ADK	EP	04 35 43.8				84	33	.3	
		ES	04 35 54.4						.5	
12	AMA	IP C	04 35 46.9				123	272	-2.4	
		I	04 35 49.6	27.6	.1	3.60				
12	SSI	IP C	04 36 .9	6.3	.1		224	290	-.9	
12	ASD	EP	04 36 2.4				231	275	-.2	VERY EMERGENT
		ES	04 36 30.2						3.1	
12	ASB	EP	04 36 3.9				237	274	.5	
12	ASC	EP	04 36 5.2				244	277	1.0	
12	AND	EP	04 36 5.9				259	279	-.2	
12	ANA	EP	04 36 8.4				280	280	-.3	
12	RAT	EP	04 36 12.5				306	283	.6	
.....										
12	5 16	35.70	51.26 N 179.11 W	DEPTH = 40.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	AMA	IP D	05 16 41.6				3	357	-.5	
		IS	05 16 46.1						-.7	
12	ASD	IP D	05 16 52.6				109	278	-1.0	
12	ASB	IP	05 16 53.2				115	276	-1.1	
		E(S)	05 17 9.7						1.8	
12	ASC	IP	05 16 54.8				122	281	-.4	
12	SSI	IP D	05 16 55.4				114	308	1.2	
		IS	05 17 10.1						2.3	
12	AND	IP	05 16 56.8				139	285	-.4	
12	ANA	IP	05 16 59.7				160	286	-.2	
12	ADK	IP C	05 17 3.5				181	67	1.0	ML4.6 D1.6
		IS	05 17 24.2						2.1	
12	RAT	IP D	05 17 3.6				187	290	.4	
12	SMY	EP	05 17 43.5				493	292	2.5	
.....										
12	5 49	16.70	50.89 N 179.09 W	DEPTH = 27.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	AMA	IP D	05 49 25.3				45	358	.1	
12	ASD	IP D	05 49 36.3	86.8	.1	4.09	123	298	-.4	
12	ASB	IP D	05 49 37.1				128	295	-.3	
		IS	05 49 51.3						-1.2	
12	ASC	IP D	05 49 38.5				138	298	-.4	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	SSI	IP C	05 49 39.2				145	321	-.8	
		IS	05 49 53.9						-3.0	
12	AND	IP	05 49 40.5				155	300	-1.0	
12	ANA	IP	05 49 43.5				177	299	-.6	
12	ADK	EP	05 49 47.3				201	56	.3	
		ES	05 50 7.6						-1.5	
12	RAT	IP	05 49 47.4				206	300	-.3	
.....										
12	7 52 33.10		50.63 N 176.77 W				DEPTH = 41.0 KM			TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
12	ADK	IP	07 52 54.5				139	3	-.1	
		IS	07 53 8.5						-1.8	
12	AMA	IP C	07 52 59.5				179	295	-.1	
12	ASD	IP C	07 53 12.9	7.7	.2		285	289	.3	
		E	07 53 52.4							
12	SSI	IP D	07 53 13.7				290	300	.5	
12	ASB	EP	07 53 13.8	8.1	.2		290	288	.5	
12	ASC	EP	07 53 15.3				299	290	1.0	
12	AND	EP	07 53 17.2				316	291	.7	
12	ANA	EP	07 53 19.9				338	291	.8	
12	RAT	IP D	07 53 23.6				365	293	1.1	
.....										
12	ADK	IP	08 47 20.0							
		IS	08 47 29.4							
12	AMA	IP	08 47 31.6							
		ES	08 47 35.7							
12	SSI	IP	08 47 45.8							
12	ASD	EP	08 47 46.7							
12	ASB	EP	08 47 47.9							
		ES	08 48 27.2							
12	RAT	EP	08 47 48.4							
12	ASC	EP	08 47 49.2							
12	AND	EP	08 47 51.1							
12	ANA	EP	08 47 53.6							
.....										
12	9 12 15.23		51.86 N 179.61 W				DEPTH = 115.3 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	AMA	IP C	09 12 34.0	4.0	.1	2.78	73	151	.2	
		ES	09 12 47.2						-.2	
12	ASD	IP	09 12 34.8	3.6	.1	2.77	89	235	-.3	
		IS	09 12 49.7						.1	
12	ASB	IP	09 12 35.7	5.0	.1	2.92	96	235	.0	
		IS	09 12 50.7						.1	
12	ASC	IP	09 12 35.7				95	243	.1	
12	AND	EP	09 12 36.2				104	252	-.2	
12	ANA	EP	09 12 38.1				122	258	.1	
.....										
12	10 2 59.48		51.25 N 179.80 E				DEPTH = 46.8 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP	10 03 8.7	14.3	.1	3.00	36	297	.0	
12	ASB	IP	10 03 9.2				41	289	.1	
		ES	10 03 15.9						-.3	
12	ASC	IP	10 03 10.4				50	299	.2	
12	AND	IP	10 03 12.0				69	301	-.3	
		ES	10 03 18.4						-3.2	
12	AMA	EP	10 03 12.8	4.0	.1	2.62	76	86	-.4	
		IS	10 03 23.6						.5	
12	SSI	EP	10 03 12.8	15.1	.1	3.18	74	349	-.1	
12	ANA	EP	10 03 14.9				90	299	.1	
12	RAT	EP	10 03 18.6	12.8	.1	3.26	119	302	.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	11 27 26.78		51.49 N 178.66 W			DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	AMA	IP D	11 27 34.4	54.1	.1	3.42	39	234	.6	
		IS	11 27 38.7						-.2	
12	SSI	EP	11 27 49.9				129	291	1.2	
12	ASD	IP	11 27 50.1	31.1	.1	3.68	139	266	-.2	
12	ADK	EP	11 27 51.8				143	72	.9	
		ES	11 28 10.0						1.6	
12	ASB	EP	11 27 51.3	37.6	.1	3.78	146	265	-.0	
		IS	11 28 8.3						-.9	
12	ASC	EP	11 27 52.2				151	270	.1	
12	AND	IP C	11 27 54.3				165	274	.0	
12	ANA	EP	11 27 57.3				185	276	-.1	
12	RAT	EP	11 28 .5				211	280	-.6	
12	15 9 10.90		50.74 N 178.51 E			DEPTH = 17.0 KM				TELESEISMIC SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASB	IP	15 09 25.6	38.4	.1	3.59	85	36	.4	
		IS	15 09 33.2						-2.4	
12	ASC	IP	15 09 26.4				92	29	.3	
12	ASD	IP	15 09 26.5	37.5	.1	3.61	93	38	.3	
12	AND	IP D	15 09 26.9				97	18	.1	
12	ANA	IP D	15 09 27.7				99	6	.5	
12	RAT	IP C	15 09 30.4				119	354	.3	
		ES	15 09 47.1						3.0	
12	SSI	IP C	15 09 34.7				148	30	.1	
12	15 52 7.87		52.20 N 178.07 E			DEPTH = 141.6 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	RAT	IP	15 52 27.9	39.7	.1	3.82	48	158	-.0	
		IS	15 52 42.6						-.0	
12	ANA	IP	15 52 29.5				76	147	.1	
12	AND	IP	15 52 30.5				93	139	-.1	
		IS	15 52 47.1						-.1	
12	ASC	IP	15 52 32.4				111	137	.4	
12	ASD	EP	15 52 32.9	3.1	.1	2.80	125	135	-.3	
		IS	15 52 51.7						.1	
12	ASB	EP	15 52 32.9	3.8	.1	2.89	124	139	-.1	
12	AND	EP	17 17 59.0							
12	ASD	EP	17 17 59.1	5.5	.1					
12	ASC	EP	17 17 59.1							
12	ASB	EP	17 17 59.3	5.2	.1					
12	ANA	EP	17 17 59.8							
12	17 17 55.61		51.73 N 179.91 W			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP	17 18 6.7	4.3	.1	2.55	64	234	-.0	
12	ASC	IP	17 18 7.6				70	246	-.1	
12	ASB	IP	17 18 7.9	8.3	.1	2.87	71	235	.1	
		IS	17 18 16.7						-.0	
12	ANA	IP	17 18 12.0				99	264	.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	19 35	37.11	51.08 N 179.02 E	DEPTH = 26.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP C	19 35 44.5	117.9	.2	3.50	35	27	.2	
		IS	19 35 49.3						-.2	
12	ASD	IP C	19 35 45.2	73.6	.2	3.34	41	33	.1	
		IS	19 35 50.7						-.2	
12	ASC	IP	19 35 45.7				44	13	.3	
12	AND	IP C	19 35 46.8				54	355	-.1	
12	ANA	IP	19 35 48.6				66	338	.0	
12	RAT	IP	19 35 52.1	31.7	.1	3.55	93	329	-.5	
12	SSI	IP	19 35 53.6				98	23	.2	
		IS	19 36 5.5						.2	
12	AMA	EP	19 35 58.8	6.2	.1	2.97	132	79	.3	
		IS	19 36 13.3						-.8	
.....										
12	20 15	52.76	51.13 N 179.07 E	DEPTH = 31.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	EP	20 15 59.6				28	26	.0	
12	ASD	EP	20 16 .3	2.1	.1	2.07	35	34	-.0	
		IS	20 16 5.8						-.0	
12	AND	IP	20 16 2.1				49	351	.0	
12	ANA	EP	20 16 3.9				62	333	-.0	
.....										
12	21 28	52.10	51.07 N 178.97 E	DEPTH = 11.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	EP	21 28 59.3				37	31	.2	
		IS	21 29 4.2						.1	
12	ASD	IP	21 29 0.0				44	36	-.0	
		IS	21 29 5.5						-.3	
12	ASC	IP	21 29 .5				45	17	.2	
12	AND	IP D	21 29 1.7				55	359	.0	
12	ANA	EP	21 29 3.4				65	341	.1	
12	RAT	IP	21 29 7.2				92	331	-.2	
12	SSI	IP	21 29 8.6				101	25	-.1	
		IS	21 29 21.1						.4	
.....										
12	23 25	56.94	51.16 N 178.53 E	DEPTH = 35.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IP C	23 26 7.1				53	34	-.1	
12	ANA	EP	23 26 7.4				52	10	.3	
12	ASB	IP	23 26 7.5				55	66	.1	
		ES	23 26 14.7						-.3	
12	ASC	IP	23 26 7.6				56	53	.1	
12	RAT	IP C	23 26 9.4	6.6	.1	2.79	72	349	-.4	
		IS	23 26 19.3						.2	
12	SSI	IP	23 26 15.2	20.5	.1	3.43	110	42	.0	
.....										
12	AMA	IP C	23 30 44.7	166.5	.1	3.94				
		ES	23 30 49.3							
12	SSI	IP	23 30 57.9							
12	ASD	IP	23 30 59.6	2.8	.1	2.64				
12	ASB	EP	23 31 .8	6.2	.1	3.01				
		ES	23 31 17.0							
12	ASC	EP	23 31 1.9							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
13	0 38	19.23	52.25 N 179.64 E	DEPTH = 152.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP C	00 38 42.8				90	212	-.0	
13	ANA	EP	00 38 43.3				96	224	.0	
13	ASD	IP	00 38 43.4	5.0	.1	3.00	98	192	.0	
		IS	00 39 1.0						-.0	
13	ASB	IP	00 38 43.7	4.2	.1	2.92	102	195	-.0	
.....										
13	15 10	50.11	51.18 N 178.47 E	DEPTH = 24.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP	15 10 59.8				54	38	-.0	
13	ASC	EP	15 11 .3				57	57	.0	
13	ASB	IP	15 11 .4	3.6	.1	2.43	57	69	.1	
		ES	15 11 7.6						-.1	
13	SSI	IP D	15 11 8.1	4.9	.1	2.80	111	44	-.1	
		ES	15 11 21.5						.1	
.....										
13	17 29	52.90	51.08 N 179.47 W	DEPTH = 34.2 KM MB = 4.4			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
13	AMA	IP D	17 30 .9				35	47	.1	
		IS	17 30 6.2						-.3	
13	ASD	IP C	17 30 8.3				90	293	.1	
13	ASB	IP C	17 30 9.0				95	290	.0	
		ES	17 30 20.3						-.4	
13	ASC	IP	17 30 10.5				104	295	.2	
13	SSI	IP D	17 30 11.4				112	325	-.1	
		IS	17 30 25.2						.2	
13	AND	IP	17 30 12.5				122	297	-.4	
13	ANA	IP	17 30 15.6				144	296	.0	
13	RAT	IP C	17 30 19.4				173	299	.3	
.....										
13	17 30	13.50	51.94 N 175.60 W	DEPTH = 33.0 KM MB = 4.3			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN IS.										
.....										
13	17 39	55.55	51.50 N 178.38 E	DEPTH = 57.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	IP D	17 40 5.1				24	55	.2	
13	RAT	IP	17 40 5.4				33	354	-.1	
13	AND	EP	17 40 6.1				40	80	-.0	
13	ASC	IP C	17 40 7.6				55	94	.2	
13	ASB	IP C	17 40 8.1	24.9	.1	3.39	62	104	-.1	
		ES	17 40 17.2						-.2	
13	ASD	IP	17 40 8.8	11.5	.1	3.07	68	100	.0	
13	SSI	IP	17 40 11.7				94	62	-.0	
		IS	17 40 23.6						.0	
.....										
13	18 21	18.88	52.04 N 179.69 E	DEPTH = 191.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASD	IP	18 21 45.7	18.5	.1	3.61	77	199	-.3	
		ES	18 22 5.9						.1	
13	AND	IP	18 21 45.7				74	224	-.2	
13	ASC	IP	18 21 46.2				74	210	.3	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 13	ASB	IP	18 21 46.3	17.8	.1	3.60	82	202	.0	.
. 13	ANA	IP	18 21 46.5				85	237	.1	.
. 13	RAT	IP	18 21 47.1				98	254	-.0	.
. 13	AMA	IP	18 21 48.5				118	135	.1	.
.	I(S)		18 22 9.9						-.1	.
.....										
. 13	21 13	47.69	51.68 N 179.24 E	DEPTH =	0.0 KM					FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							.
. 13	AND	IP C	21 13 52.0				24	238	.0	.
. 13	ASD	EP	21 13 53.6				32	168	.0	.
. 13	ASB	EP	21 13 54.0				35	180	-.1	.
.		ES	21 13 58.7						-.0	.
.....										
13	ADK	EP	22 46 37.7							
		ES	22 46 51.0							
.....										
. 14	2 46	2.39	51.06 N 179.49 W	DEPTH =	33.8 KM					FREE DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							.
. 14	AMA	IP D	02 46 10.9	51.9	.1	3.50	37	45	.4	.
.		IS	02 46 16.0						-.4	.
. 14	ASD	IP C	02 46 17.4	20.9	.1	3.36	90	295	-.3	.
. 14	ASB	EP	02 46 18.3				95	292	-.1	.
.		ES	02 46 30.7						.7	.
. 14	ASC	EP	02 46 19.6				104	296	-.2	.
. 14	SSI	IP	02 46 21.1	28.8	.1	3.58	113	326	-.0	.
. 14	AND	EP	02 46 22.1				122	298	-.4	.
. 14	ANA	EP	02 46 25.7				144	297	.6	.
. 14	RAT	IP	02 46 28.5				173	299	-.2	.
.....										
. 14	5 14	49.55	51.21 N 178.65 E	DEPTH =	40.9 KM					FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							.
. 14	ASC	EP	05 14 59.3				46	52	-.0	.
. 14	ASB	EP	05 14 59.3	10.7	.1	2.89	45	68	.0	.
.		ES	05 15 6.3						-.0	.
. 14	AND	IP D	05 14 59.3				45	28	.1	.
. 14	ANA	EP	05 14 59.4				46	1	-.0	.
. 14	ASD	EP	05 15 .1				52	67	-.0	.
.....										
. 14	5 42	39.67	51.42 N 179.84 E	DEPTH =	57.8 KM					FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							.
. 14	ASD	IP D	05 42 49.6				35	265	-.2	.
.		ES	05 42 57.2						.1	.
. 14	ASB	IP	05 42 50.3	12.4	.1	3.02	42	261	-.0	.
.		ES	05 42 58.0						-.1	.
. 14	ASC	IP	05 42 50.9				47	276	.1	.
. 14	SSI	IP	05 42 51.5	13.3	.1	3.09	56	342	-.1	.
. 14	AND	IP	05 42 52.3				64	285	-.1	.
. 14	AMA	EP	05 42 53.1	4.3	.1	2.67	74	101	-.5	.
.		ES	05 43 4.6						.8	.
. 14	ANA	EP	05 42 55.0				85	286	.2	.
. 14	RAT	EP	05 42 58.3				113	293	.2	.
.....										
14	ADK	EP	08 52 48.1							
		ES	08 53 1.1							
14	ASD	IP	09 08 23.5	4.8	.2	2.23				

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MJ)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASB	IP	09 08 24.4	6.7	.1	2.72				
		IS	09 08 31.6							
.....										
14	9	8	10.49	51.58 N	179.35 W	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
14	ASD	EP	09 08 26.8				93	258	-.2	
14	ASB	EP	09 08 28.0				100	257	-.1	
		ES	09 08 40.9						-.0	
14	ASC	EP	09 08 29.2				104	263	.6	
14	AND	EP	09 08 30.4				117	270	-.3	
.....										
14	AMA	IP	12 56 57.8	7.6	.1	2.51				
		IS	12 57 1.5							
14	ASD	EP	12 57 11.7	3.9	.1	2.76				
14	ASB	EP	12 57 12.7	5.6	.1	2.93				
		ES	12 57 27.8							
14	ASC	EP	12 57 13.6							
14	AND	EP	12 57 15.4							
.....										
14	12	58	20.10	51.68 N	175.24 W	DEPTH = 84.0 KM MB = 4.0				TELESEISMIC SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
14	ADK	EP	12 58 38.1				102	284	-.5	
		ES	12 58 52.8						.7	
14	AMA	EP	12 58 58.6				272	262	.2	
		E	12 59 17.5							
14	SSI	EP	12 59 9.0				357	276	.3	
14	ASD	EP	12 59 11.7				376	267	.6	
14	ASB	EP	12 59 12.6				383	267	.6	
14	ASC	EP	12 59 13.9				388	269	1.4	
14	AND	EP	12 59 15.2				401	270	1.0	
		ES	13 00 .6						-.1	
14	ANA	EP	12 59 17.4				421	272	.8	
14	RAT	IP	12 59 20.2				443	274	.9	
.....										
14	ASB	IP D	14 57 13.2							NO GOOD S.
14	ASD	IP	14 57 13.3							
14	ASC	IP	14 57 14.6							
14	AND	IP	14 57 16.7							
14	SSI	IP	14 57 21.4	9.8	.1					
.....										
14	15	42	42.23	51.20 N	178.58 E	DEPTH = 33.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
14	AND	IP	15 42 51.7				48	32	-.0	
		ES	15 42 58.6						-.0	
14	ANA	EP	15 42 51.7				48	6	-.0	
14	ASB	EP	15 42 51.9				50	68	-.0	
.....										
14	16	15	55.10	52.14 N	178.89 W	DEPTH = 196.1 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
14	ASD	IP D	16 16 27.2				148	236	-.0	
		ES	16 16 50.7						.0	
14	ASB	IP	16 16 27.8	6.9	.1	3.26	155	237	-.0	
14	ASC	IP D	16 16 27.8				154	241	.1	
14	AND	IP D	16 16 28.3				162	247	-.0	
14	ANA	EP	16 16 29.7				178	252	.0	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	22 19 46.50	49.93 N 176.22 E DEPTH = 33.0 KM						TELESEISMIC SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
14	RAT	IP C	22 20 22.8	10.9	.1		255	35	-.3	
14	ANA	IP D	22 20 22.9				255	41	-.2	
		IS	22 20 46.6						-3.1	
14	AND	IP	22 20 23.7				265	46	-.5	
14	ASB	IP	22 20 24.2	17.0	.1		267	52	-.2	
		ES	22 20 47.3						-4.8	
14	ASD	EP	22 20 24.8	5.6	.1		274	52	-.5	
14	ASC	EP	22 20 24.8				269	50	.1	
14	SSI	IP	22 20 32.1				322	46	.8	
		ES	22 21 .8						-3.2	
14	AMA	IP	22 20 36.8				363	64	.5	
14	22 23 53.38	51.99 N 179.60 E DEPTH = 159.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
14	SSI	EP	22 24 14.5	12.4	.1	3.34	11	185	-.2	
14	AND	IP	22 24 16.1				65	224	-.2	
14	ASD	IP	22 24 16.5				69	195	.0	
14	ASC	IP	22 24 16.6				66	207	.3	
14	ANA	IP C	22 24 16.9				76	239	.0	
14	ASB	IP	22 24 16.9				74	200	.2	
		IS	22 24 33.2						-.6	
14	RAT	IP C	22 24 17.3	96.9	.1	4.28	90	257	-.4	
		ES	22 24 36.2						.8	
14	AMA	IP	22 24 19.9	12.1	.1	3.41	118	131	.2	
14	22 55 43.90	51.71 N 178.98 E DEPTH = 116.0 KM						TELESEISMIC SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
14	AND	EP	22 56 .1				17	187	.2	
14	ANA	EP	22 56 .3				24	247	.2	
14	ASD	EP	22 56 1.0	2.4	.1	2.52	44	145	.2	
14	ASB	EP	22 56 1.0				43	155	.2	
		ES	22 56 11.0						-2.2	
14	SSI	IP	22 56 1.1	13.3	.1	3.27	46	64	.1	
		IS	22 56 11.2						-2.2	
14	RAT	EP	22 56 1.1				46	282	.2	
14	23 39 18.07	51.09 N 179.26 E DEPTH = 38.7 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
14	ASB	IP C	23 39 26.1				31	358	.1	
		IS	23 39 31.3						-.5	
14	ASD	IP D	23 39 26.4				34	9	.0	
14	ASC	IP C	23 39 27.5				43	351	.2	
14	AND	IP C	23 39 29.1				57	338	-.0	
14	ANA	IP C	23 39 31.2				73	325	-.1	
14	SSI	IP C	23 39 34.2	93.1	.1	4.03	93	14	.2	
14	RAT	IP	23 39 35.2	74.5	.1	3.97	102	321	-.0	
14	AMA	IP	23 39 36.8	25.9	.1	3.55	116	78	-.1	
		ES	23 39 50.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	0 52 28.10		50.67 N 176.59 W	DEPTH = 40.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
15	ADK	EP	00 52 48.8				135	357	-.4	
		ES	00 53 2.2						-2.4	
15	AMA	IP C	00 52 55.7	44.7	.1	3.97	189	292	-.2	
15	ASD	IP	00 53 9.5	22.4	.2		296	287	.5	REGIONAL
15	SSI	IP	00 53 10.0				299	298	.6	
15	ASB	IP	00 53 10.4				301	286	.7	NO CLEAR S.
15	ASC	IP	00 53 11.5				309	288	.8	
15	AND	EP	00 53 13.8				327	289	1.0	
15	ANA	EP	00 53 16.4				348	290	.9	
15	RAT	IP	00 53 19.8	22.7	.2		375	291	.9	
.....										
15	3 45 47.93		50.29 N 177.66 E	DEPTH = 39.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ASB	EP	03 46 12.2	5.2	.1	2.98	163	43	-.3	
15	ANA	EP	03 46 12.7				164	25	.0	
15	AND	IP C	03 46 12.9				168	32	-.2	
		IS	03 46 31.5						.0	
15	ASD	EP	03 46 13.1				170	44	-.3	
15	RAT	EP	03 46 13.8				174	16	-.1	
15	SSI	EP	03 46 20.8	15.1	.1		223	37	.8	
		IS	03 46 45.7						2.4	
15	AMA	EP	03 46 23.7				253	63	.1	
.....										
15	ADK	EP	03 55 29.2							
15	SSI	EP	03 55 37.3	3.4	.1					
15	ASD	EP	03 55 37.4	2.4	.1	2.36				
15	ASB	EP	03 55 37.9	2.7	.1	2.43				
		ES	03 55 47.3							
15	ASC	EP	03 55 38.2							
15	AND	EP	03 55 38.9							
15	AMA	IP C	03 55 40.2							
15	ANA	EP	03 55 41.1							
15	RAT	IP	03 55 44.0							
.....										
15	4 6 59.10		50.89 N 176.50 E	DEPTH = 2.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	RAT	EP	04 07 25.5	16.9	.1	3.48	163	51	-.4	
		ES	04 07 45.4						-.0	
15	ANA	EP	04 07 27.7				172	61	.5	
15	AND	EP	04 07 29.9				187	65	.4	
15	ASC	EP	04 07 31.0				197	70	-.0	
15	ASB	EP	04 07 31.2				199	74	-.2	
		ES	04 07 54.9						-.0	
15	ASD	EP	04 07 32.3				206	73	-.2	
15	SSI	EP	04 07 37.1				242	61	.0	
.....										
15	4 54 12.53		51.41 N 178.80 E	DEPTH = 45.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	AND	IP	04 54 20.4				20	33	.0	
15	ANA	EP	04 54 20.9				26	339	.1	
15	ASC	EP	04 54 21.0				26	77	.2	
15	ASB	EP	04 54 21.2	3.4	.1	2.36	32	100	-.1	
		ES	04 54 27.4						-.2	
15	ASD	IP	04 54 21.9				38	93	.1	
15	RAT	EP	04 54 23.4				54	323	-.2	
15	SSI	EP	04 54 26.3	10.7	.1	3.04	77	45	.0	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	04 54 36.2						-.1	
15	5 56 53.30		51.68 N 179.27 E				DEPTH = 82.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	AND	IP	05 57 5.5				25 239		-.1	
15	ASC	IP	05 57 5.7				25 197		.1	
15	ASD	IP	05 57 5.8	19.3	.1	3.30	32 171		-.1	
15	SSI	IP D	05 57 5.9	51.0	.1	3.72	32 43		.0	
		IS	05 57 15.1						.0	
15	ASB	IP	05 57 6.1	19.7	.1	3.31	35 183		.0	
		ES	05 57 15.3						-.1	
15	ANA	IP	05 57 6.7				42 262		.2	
15	RAT	IP D	05 57 8.1				66 282		-.2	
15	AMA	IP C	05 57 13.7				120 110		.0	
15	7 51 2.60		25.22 S 178.35 E				DEPTH = 584.0 KM	MB = 5.7		TELESEISMIC SOLUTION
			SOUTH OF FIJI ISLANDS							
15	AMA	EP	08 01 51.7				8473 2			
15	ASB	EP	08 01 51.8				8478 1			TELESEISMIC
15	ASD	EP	08 01 51.9	289.7	.4		8482 1			
15	ASC	EP	08 01 52.8				8489 1			
15	AND	EP	08 01 53.2				8500 0			
15	ANA	EP	08 01 53.6				8507 0			
15	RAT	EP	08 01 54.2				8527 360			
15	SSI	IP	08 01 54.8				8538 1			
15	9 5 40.34		50.96 N 177.15 W				DEPTH = 0.0 KM			FIXED DEPTH SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
15	ADK	IP C	09 05 59.8				108 17		.7	
		IS	09 06 13.0						.2	
15	AMA	EP	09 06 5.1				142 286		.9	
		I	09 06 6.4							
15	ASD	IP	09 06 19.0	.6	.1		249 282		-.6	
		5	00 00 0.0							
15	SSI	EP	09 06 19.7				249 296		.1	
15	ASB	IP	09 06 19.8	7.3	.1		255 282		-.5	
		ES	09 06 49.1						-.4	
15	ASC	EP	09 06 21.3				263 284		.0	
15	AND	EP	09 06 23.3				279 285		-.0	
15	RAT	EP	09 06 29.5				328 288		.3	
15	13 37 24.93		51.72 N 177.97 E				DEPTH = 65.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	RAT	IP D	13 37 35.3	298.0	.1	4.39	26 70		-.0	
		IS	13 37 43.6						.7	
15	ANA	IP D	13 37 37.1				49 102		.2	
15	AND	IP D	13 37 38.9				70 104		.0	
15	ASC	IP	13 37 40.7				87 109		-.0	
15	ASB	EP	13 37 41.6	38.4	.1	3.70	97 114		-.2	
		IS	13 37 54.1						.0	
15	ASD	IP	13 37 42.2				101 111		-.1	
15	SSI	IP D	13 37 43.5				113 80		-.1	
15	AMA	EP	13 37 55.3				208 102		.3	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	17 35 36.70		61.43 N 149.92 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
.....										
15	ADK	EP	22 57 9.3							
		ES	22 57 18.0							
15	AMA	IP	22 57 20.1							
15	ASD	IP	22 57 34.2	7.0	.1					
		ES	22 58 15.1							
15	SSI	IP	22 57 34.2							
15	ASB	EP	22 57 35.4	6.3	.1					
15	ASC	EP	22 57 36.4							
15	AND	EP	22 57 38.5							
15	ANA	EP	22 57 41.3							
15	RAT	IP	22 57 44.2							
.....										
16	ADK	EP	02 10 30.1							
		ES	02 10 39.2							
16	AMA	EP	02 10 41.3							
		ES	02 11 8.5							
16	SSI	EP	02 10 55.0							
16	ASD	EP	02 10 55.4							
		ES	02 11 35.7							
16	ASB	EP	02 10 56.5							
16	AND	EP	02 10 59.4							
.....										
16	ASD	IP	02 19 57.1							
16	ASB	EP	02 19 57.2							
16	ASC	IP	02 19 58.8							
16	AND	EP	02 20 .9							
16	SSI	IP	02 20 4.9							
.....										
16	2 21 22.30		50.95 N 179.21 E	DEPTH = 24.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASB	IP	02 21 30.9	3.7	.1	2.37	46	3	.1	
		ES	02 21 37.0						-.0	
16	ASD	IP	02 21 31.4	6.0	.1	2.61	50	11	-.0	
16	AND	EP	02 21 34.4				70	345	-.0	
16	SSI	IP	02 21 40.0	3.2	.1	2.61	108	14	-.0	
		IS	02 21 53.0						.1	
.....										
16	4 30 15.99		51.57 N 179.30 W	DEPTH = 27.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	AMA	IP	04 30 23.4	5.2	.1	2.45	34	157	.2	
		ES	04 30 28.2						-.2	
16	SSI	IP	04 30 30.5	4.1	.1	2.63	84	295	.2	
16	ASD	IP	04 30 32.0	5.0	.1	2.76	95	258	-.0	
		IS	04 30 44.3						.6	
16	ASB	IP C	04 30 32.8	7.1	.1	2.94	103	257	-.3	
16	ASC	EP	04 30 33.7				107	264	.1	
16	AND	EP	04 30 35.1				121	270	-.6	
16	ANA	EP	04 30 38.6				141	273	-.1	
16	RAT	IP	04 30 42.1	6.0	.1	3.04	165	280	.1	
.....										
16	5 27 35.78		52.07 N 178.93 E	DEPTH = 25.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IP	05 27 44.9				51	234	-.2	
		ES	05 27 51.8						-.1	
16	SSI	EP	05 27 44.9				49	113	.1	
16	AND	IP	05 27 45.6				57	178	-.3	
		IS	05 27 52.9						-.3	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ANA	EP	05 27 46.0				53	201	.7	
16	ASD	EP	05 27 49.3				81	159	-.1	
16	ASB	EP	05 27 49.5	3.0	.1	2.48	82	164	-.1	
		ES	05 28 0.0						.3	
.....										
16	6 47 55.80 52.04 N 178.91 E DEPTH = 31.0 KM						FREE DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
16	RAT	EP	06 48 4.8				48	236	-.3	
16	SSI	EP	06 48 5.1				49	110	-.1	
		IS	06 48 12.3						.2	
16	AND	EP	06 48 5.5				54	177	-.3	
		ES	06 48 12.8						-.3	
16	ANA	EP	06 48 6.1				49	201	.9	
16	ASD	EP	06 48 9.4				78	158	.1	
16	ASB	EP	06 48 9.4				79	163	-.1	
.....										
16	SSI	IP D	09 23 40.4	22.2	.1	2.94				
		IS	09 23 43.8							
16	ASD	IP C	09 23 44.5	11.6	.1	2.94				
		IS	09 23 51.4							
16	ASC	IP D	09 23 45.3							
		IS	09 23 53.6							
16	ASB	IP	09 23 45.7							
16	AND	EP D	09 23 46.2							
16	ANA	EP	09 23 49.6							
.....										
16	9 37 5.60 51.31 N 177.56 W DEPTH = 47.0 KM MB = 3.7						TELESEISMIC SOLUTION			
	ANDREANOF ISLANDS, ALEUTIANS ISLANDS									
16	ADK	EP C	09 37 21.9				88	43	1.2	
		ES	09 37 36.7						5.0	
16	AMA	IP	09 37 22.3				108	269	-.9	
		ES	09 37 37.8						1.7	
16	ASD	IP	09 37 36.4	29.3	.3		216	274	-.1	
		E	09 38 10.5							
16	ASB	EP	09 37 36.9	76.4	.4		222	273	-.4	
16	SSI	EP	09 37 37.1				208	289	1.6	
16	ASC	EP	09 37 38.3				228	276	.2	
16	AND	EP	09 37 40.6				244	278	.6	
		E	09 38 17.1							
16	ANA	EP	09 37 43.1				265	279	.6	
16	RAT	EP	09 37 46.4				290	282	.8	
16	GMA	EP	09 41 .6				1834	25	4.4	
.....										
16	AMA	EP	14 41 3.4							
16	SSI	EP	14 41 4.9							
		ES	14 41 14.8							
16	ASD	EP	14 41 9.9							
16	ASB	EP	14 41 11.4							
		IS	14 41 26.5							
16	ASC	EP	14 41 12.1							
.....										
16	14 47 54.80 52.03 N 179.90 E DEPTH = 257.0 KM MB = 3.4						TELESEISMIC SOLUTION			
	RAT ISLANDS, ALEUTIAN									

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	16 34	58.36	51.17 N 178.03 W	DEPTH = 23.7 KM			FREE DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
16	AMA	IP D	16 35 11.7	21.6	.1	3.30	76	280	.4	
		ES	16 35 20.2						-.5	
16	ASD	EP	16 35 25.9				184	279	-1.1	
		ES	16 35 48.3						.5	
16	SSI	EP	16 35 26.7				183	297	-.1	
16	ASB	EP	16 35 27.6				191	277	-.1	
16	ASC	EP	16 35 29.0				198	281	.4	
16	AND	EP	16 35 31.0				214	283	.4	
.....										
16	18 58	14.40	51.47 N 177.63 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IP	18 58 26.2	6.6	.1	2.79	61	52	-.2	
		IS	18 58 34.8						-.4	
16	ANA	EP	18 58 28.4				74	76	.5	
16	AND	EP	18 58 30.2				92	83	.1	
16	ASC	EP	18 58 31.5				106	90	-.4	
16	ASB	EP	18 58 32.4				113	95	-.2	
16	ASD	EP	18 58 33.3				119	93	-.1	
		IS	18 58 47.4						.1	
16	SSI	IP	18 58 36.9	4.9	.1	2.92	143	70	.5	
.....										
16	21 31	35.90	50.85 N 179.91 W	DEPTH = 29.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	AMA	EP	21 31 49.1				75	49	.3	
		I	21 31 50.1	32.8	.1	3.49				
16	ASD	EP	21 31 49.3				80	320	-.2	
		I	21 31 50.8							
16	ASB	EP	21 31 49.9				82	315	.0	
		ES	21 32 .8						.8	
16	ASC	EP	21 31 51.8				94	317	.2	
16	AND	EP	21 31 54.1				112	316	-.2	
16	SSI	EP	21 31 55.2				121	344	-.5	
16	RAT	EP	21 32 1.4				162	312	.2	
.....										
17	ADK	EP D	03 18 34.5							
		ES	03 18 46.9							
17	AMA	EP	03 18 43.5	17.6	.1					
17	ASD	EP	03 18 57.7							
17	SSI	EP	03 18 57.9							
17	ASB	EP	03 18 58.5							
17	ASC	EP	03 18 59.6							
17	AND	EP	03 19 1.8							
.....										
17	12 22	31.46	51.15 N 179.23 E	DEPTH = 31.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASB	IP D	12 22 37.8	8.8	.1	2.63	24	2	-.0	
		IS	12 22 42.4						-.0	
17	ASD	IP	12 22 38.2	4.1	.1	2.32	28	16	-.1	
17	ASC	IP	12 22 39.2				35	352	.1	
17	AND	IP	12 22 40.9				50	337	-.1	
.....										
17	AMA	IP	16 21 42.0	19.8	.2					
		ES	16 22 7.0							
17	ASD	EP	16 21 55.0	3.1	.1					
		ES	16 22 28.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	ASB	EP	16 21 55.6							
17	SSI	EP	16 21 57.1							
17	ASC	EP	16 21 57.2							
17	AND	EP	16 21 59.1							
		ES	16 22 36.6							
17	ANA	EP	16 22 2.0							
17	RAT	EP	16 41 49.5							
		ES	16 42 17.6							
17	ANA	EP	16 41 53.1							
		ES	16 42 26.0							
17	AND	EP	16 41 55.4							
17	SSI	EP	16 41 58.6							
17	ASC	EP	16 41 59.3							
17	ASD	EP	16 42 .5							

.....

17	16 54 49.51	51.40 N 179.63 W	DEPTH = 64.5 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	AMA	EP	16 55 .6				39	109	.1	
17	ASD	IP	16 55 3.3	10.4	.1	3.06	71	270	-.2	
17	SSI	IP	16 55 3.9				77	316	-.2	
		IS	16 55 14.9						.2	
17	ASB	IP	16 55 4.2	5.4	.1	2.80	78	267	-.0	
		ES	16 55 14.9						-.0	
17	ASC	IP	16 55 5.0				84	275	.2	
17	AND	EP	16 55 6.4				100	281	-.2	
17	ANA	EP	16 55 9.5				121	283	.4	
17	RAT	EP	16 55 12.2				148	288	-.1	

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17	17 9 16.50	49.94 N 178.87 W	DEPTH = 33.0 KM MB = 4.4	TELESEISMIC SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	AMA	IP	17 09 39.4				151	354	-.8	
17	ASD	EP	17 09 46.2	109.2	.1		205	323	-.6	
		IS	17 10 9.5						.5	
17	ASB	EP	17 09 46.4	86.3	.2		207	321	-.6	
17	ASC	EP	17 09 48.1				219	321	-.5	
17	AND	EP	17 09 50.1				237	320	-.7	
		IS	17 10 16.4						.6	
17	SSI	IP	17 09 51.8				243	334	.3	
17	ADK	EP C	17 09 52.2				265	35	-2.0	
		ES	19 10 20.1						-1.7	
17	ANA	EP	17 09 52.6				256	318	-.5	
17	RAT	IP	17 09 56.7				286	317	-.1	
		IS	17 10 27.6						1.4	
17	GMA	EP	17 13 29.2				2013	24	-.8	

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17	17 55 45.35	52.13 N 179.63 E	DEPTH = 175.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	EP	17 56 10.7				78	217	-.1	
17	ASD	EP	17 56 10.9				84	194	-.2	
		ES	17 56 29.9						-.0	
17	ASC	EP	17 56 11.2				81	204	.3	
17	ANA	EP	17 56 11.2				87	230	-.0	
17	ASB	EP	17 56 11.4				89	197	.0	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	17 56 40.83		51.42 N 179.48 W	DEPTH = 38.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
17	AMA	IP	17 56 48.6	23.3	.1	3.14	29	120	-.0	
17	ASD	IP D	17 56 55.2	6.2	.1	2.81	82	268	-.1	
17	SSI	IP	17 56 55.5				83	309	.1	
		IS	17 57 5.9						-.1	
17	ASB	IP D	17 56 56.1				89	266	-.1	
		ES	17 57 7.5						.1	
17	ASC	IP D	17 56 57.2				94	273	.2	
17	AND	IP C	17 56 58.9				110	279	-.0	
		IS	17 57 12.1						-.1	
17	ANA	EP	17 57 1.5				131	281	-.0	
17	RAT	EP	17 57 4.9				157	286	.1	
17	ADK	EP	18 34 40.8							
		ES	18 35 .6							
17	AMA	IP	23 46 50.7	14.3	.1					
17	SSI	EP	23 47 2.6							
		ES	23 47 21.7							
17	ASD	EP	23 47 4.7							
		ES	23 47 26.4							
17	ASB	EP	23 47 5.3							
		ES	23 47 28.2							
17	23 55 23.21		51.34 N 179.55 E	DEPTH = 58.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASD	IP	23 55 32.3	5.2	.1	2.57	16	291	.0	
		IS	23 55 38.8						-.1	
17	ASB	IP	23 55 32.5	4.0	.1	2.47	21	276	-.0	
17	ASC	IP	23 55 33.3				30	297	.2	
17	AND	EP	23 55 34.3				48	301	-.2	
17	SSI	EP	23 55 35.8				61	2	.0	
17	ANA	EP	23 55 36.7				69	298	.1	
17	RAT	IP	23 55 39.9				99	302	-.1	
		IS	23 55 52.3						.1	
18	1 29 1.57		51.29 N 178.55 E	DEPTH = 33.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	EP	01 29 10.0				38	11	.2	
18	AND	EP	01 29 10.3				41	43	.2	
		IS	01 29 16.2						-.2	
18	ASB	EP	01 29 11.0				49	81	-.1	
18	RAT	EP	01 29 12.2	8.7	.1	2.84	59	345	-.2	
18	SSI	EP	01 29 18.1				98	47	.0	
		IS	01 29 30.0						-.1	
18	2 22 39.33		52.04 N 178.28 E	DEPTH = 139.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	RAT	EP	02 22 58.5				27	172	.0	
		ES	02 23 12.3						-.1	
18	ANA	IP	02 22 59.5				53	150	.1	
18	AND	IP	02 23 .2				71	139	-.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
18	2 45	55.65	51.18 N 178.50 E	DEPTH = 26.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	IP	02 46 5.4				51	13	.4	
18	AND	IP	02 46 5.4				53	36	.1	
		ES	02 46 12.2						-.2	
18	ASB	EP	02 46 5.6				56	68	-.1	
18	RAT	EP	02 46 7.5				70	351	-.3	
18	SSI	EP	02 46 13.7				110	43	.0	
.....										
18	3 20	43.42	50.41 N 177.88 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASB	IP	03 21 7.6	2.2	.1	2.54	143	42	.2	
18	AND	IP	03 21 8.2				148	30	-.1	
18	ANA	EP	03 21 8.2				146	22	.3	
18	ASD	IP C	03 21 8.4	3.4	.1	2.75	150	43	-.1	
		ES	03 21 26.4						-.4	
18	ASC	EP	03 21 8.4				148	37	.2	
18	RAT	EP	03 21 9.5				158	11	-.2	
18	SSI	IP	03 21 16.5	12.4	.1		203	35	-.2	
		ES	03 21 41.2						.4	
.....										
18	3 23	20.95	51.19 N 178.52 E	DEPTH = 25.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	IP C	03 23 30.4				49	11	.4	
18	AND	IP D	03 23 30.4				51	36	.2	
18	ASB	IP C	03 23 30.6	5.4	.1	2.59	54	69	-.0	
		ES	03 23 37.5						-.2	
18	ASC	IP C	03 23 30.8				54	56	.1	
18	ASD	EP	03 23 31.5				61	69	-.2	
18	RAT	IP	03 23 32.6	8.7	.1	2.88	69	349	-.2	
		ES	03 23 41.3						-.2	
18	SSI	IP	03 23 38.6				107	43	.1	
.....										
18	3 31	9.99	50.37 N 178.32 E	DEPTH = 20.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASB	EP	03 31 31.3	4.7	.1	2.84	129	30	.6	
		ES	03 31 46.3						.5	
18	ASD	IP	03 31 31.7	5.2	.1	2.90	135	32	.0	
		ES	03 31 46.9						-.6	
18	AND	IP	03 31 32.3				140	18	-.2	
18	ANA	EP	03 31 32.7				142	10	-.1	
18	RAT	EP	03 31 35.2				160	0	-.2	
18	SSI	IP	03 31 40.3				192	27	.5	
		IS	03 32 1.4						-.1	
18	AMA	EP	03 31 41.4				208	60	-.4	
.....										
18	4 12	54.59	51.69 N 179.54 E	DEPTH = 25.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	SSI	IP D	04 13 .3	28.8	.1	3.09	23	9	-.0	
		IS	04 13 4.5						.0	
18	ASD	IP D	04 13 1.8	2.9	.1	2.20	35	202	.0	
18	ASC	IP C	04 13 1.9				36	226	.1	
18	ASB	IP	04 13 2.5	3.6	.1	2.33	41	209	-.1	
		IS	04 13 8.5						.1	
18	AND	IP C	04 13 2.5				43	251	-.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	ANA	IP	04 13 5.4				61	264	.1	
. 18	RAT	IP	04 13 8.8				84	279	.1	
. 18	AMA	EP	04 13 11.7				104	115	.0	
.....										
18	ADK	EP C	06 44 54.0							
		ES	06 45 6.6							
18	AMA	EP	06 45 7.7							
		ES	06 45 42.2							
18	ASD	EP	06 45 21.4							REGIONAL
18	SSI	IP	06 45 21.4							POOR S PHASE
18	ASB	EP	06 45 22.8							
		ES	06 46 8.9							
18	ASC	EP	06 45 23.8							
18	AND	EP	06 45 25.9							
18	ANA	EP	06 45 29.9							
18	RAT	EP	06 45 31.5							
.....										
18	ADK	EP	07 17 33.9							
		ES	07 17 43.2							
18	AMA	IP	07 17 41.6							
18	SSI	EP	07 17 55.4							
18	ASD	EP	07 17 56.0							REGIONAL
18	ASB	EP	07 17 57.3							POOR S.
		ES	07 18 30.5							
18	ASC	EP	07 17 59.3							
18	AND	EP	07 17 59.8							
18	ANA	EP	07 18 2.6							
18	RAT	IP	07 18 7.0							
.....										
. 18	7 20 46.40	51.54 N 179.00 E DEPTH = 17.8 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	AND	IP D	07 20 49.5				4	304	-.0	
. 18	ASC	IP	07 20 50.4				14	128	.1	
. 18	ANA	IP C	07 20 51.7				25	292	.0	
. 18	ASB	IP	07 20 51.9	8.1	.1	2.51	26	140	.1	
		IS	07 20 55.8						.0	
. 18	ASD	EP	07 20 52.0				29	125	-.2	
. 18	RAT	IP	07 20 55.9				55	302	-.0	
. 18	SSI	IP	07 20 56.3				56	46	.1	
		IS	07 21 3.2						-.1	
.....										
. 18	7 53 1.67	51.53 N 177.82 E DEPTH = 77.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	RAT	EP	07 53 14.4				47	49	-.2	
		ES	07 53 24.2						.2	
. 18	ANA	EP	07 53 15.7				59	79	.1	
		IS	07 53 25.5						-.2	
. 18	AND	EP	07 53 17.5				79	87	.2	
. 18	ASC	EP	07 53 18.6				94	94	-.2	
. 18	ASD	EP	07 53 20.4				107	97	.1	
. 18	SSI	EP	07 53 22.7				129	71	-.0	
.....										
. 18	8 11 5.37	51.21 N 179.58 E DEPTH = 33.0 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	ASD	IP C	08 11 12.2	6.0	.1	2.49	26	320	.0	
		ES	08 11 17.0						-.1	
. 18	ASB	EP	08 11 12.5	3.1	.1	2.22	29	306	.1	
. 18	ASC	EP	08 11 13.9				40	314	.1	
. 18	AND	IP D	08 11 16.1				59	312	-.1	
. 18	SSI	EP	08 11 18.5				76	0	-.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	08 11 28.4						.1	
18	8 14 17.23		51.27 N 179.75 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASD	IP	08 14 23.7	2.2	.1	2.05	31	296	-.1	
		IS	08 14 28.6						-.0	
18	ASB	EP	08 14 24.5				36	287	.0	
18	ASC	EP	08 14 25.9				46	298	.1	
18	ADK	EP	09 43 15.9							
		ES	09 43 27.1							
18	9 56 49.31		52.00 N 179.48 E	DEPTH = 178.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	AND	EP	09 57 14.2				61	217	.1	
18	ASC	EP	09 57 14.4				64	200	.1	
18	ANA	EP	09 57 14.4				70	234	-.1	
18	ASD	EP	09 57 14.6	3.1	.1	2.80	68	188	.1	
		ES	09 57 32.5						-.4	
18	ASB	EP	09 57 14.8				73	193	.1	
18	RAT	IP	09 57 14.9	17.8	.1	3.57	82	255	-.3	
		IS	09 57 34.4						.4	
18	ASB	EP	10 51 46.3							
18	ASD	EP	10 51 46.7	2.5	.1	2.59				
		ES	10 52 1.9							
18	ASC	EP	10 51 47.0							
18	AND	IP	10 51 47.4							
18	13 50 1.33		51.74 N 179.62 E	DEPTH = 96.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASD	EP	13 50 16.2				44	207	.1	
		ES	13 50 26.9						.0	
18	ASB	EP	13 50 16.4				50	212	-.1	
18	AND	EP	13 50 16.4				50	247	-.1	
18	ANA	EP	13 50 17.8				68	260	.1	
18	14 38 14.11		51.18 N 178.39 E	DEPTH = 20.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	IP C	14 38 23.9				53	21	.4	
18	AND	IP	14 38 24.1				58	43	-.1	
18	ASB	EP	14 38 24.8	3.1	.1	2.39	63	71	-.2	
		IS	14 38 32.7						-.2	
18	ASC	EP	14 38 25.3				62	60	.4	
18	RAT	IP D	14 38 25.5				69	357	-.4	
18	ASD	EP	14 38 25.9				70	70	-.2	
18	SSI	IP	14 38 32.9				115	46	.1	
		IS	14 38 46.2						-.1	
18	15 56 50.10		60.46 N 153.33 W	DEPTH = 145.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			SOUTHERN ALASKA							
18	ADK	EP	16 00 22.1				1725	247		
18	ASD	EP	16 00 47.1				1966	251		
18	ASB	EP	16 00 47.9				1973	251		

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	AND	EP	16 00 48.0				1974	252		TELESEISMIC
. 18	ASC	EP	16 00 48.2				1970	252		
. 18	ANA	EP	16 00 49.5				1984	253		
.....										
. 18	19 0	42.36	51.48 N 179.17 E	DEPTH = 32.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 18	ASD	IP D	19 00 48.0				15	129	-.2	
		IS	19 00 52.3						-.2	
. 18	ASC	IP C	19 00 48.0				2	191	.3	
. 18	ASB	IP	19 00 48.2	3.8	.1	2.23	14	158	.1	
. 18	AND	IP	19 00 48.4				18	302	.0	
. 18	ANA	IP D	19 00 50.7				39	295	.1	
. 18	SSI	EP	19 00 52.6				54	32	.0	
. 18	RAT	EP	19 00 54.4				68	302	-.1	
		IS	19 01 3.1						-.2	
.....										
. 18	19 43	16.30	51.71 N 179.35 W	DEPTH = 96.7 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 18	AMA	EP	19 43 30.9				49	160	-.5	
		IS	19 43 43.2						.8	
. 18	SSI	IP	19 43 33.2				76	286	-.1	
. 18	ASD	EP	19 43 35.3	4.2	.1	2.81	97	249	.1	
		IS	19 43 48.5						-.5	
. 18	ASB	EP	19 43 35.8				104	249	-.1	
. 18	ASC	EP	19 43 36.2				106	256	.1	
. 18	AND	EP	19 43 37.3				118	263	-.0	
. 18	ANA	EP	19 43 39.9				137	267	.5	
.....										
. 18	22 36	24.80	50.41 N 179.30 W	DEPTH = 37.0 KM MB = 4.1			TELESEISMIC SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 18	AMA	IP C	22 36 41.5				98	8	.0	
		IS	22 36 55.8						2.2	
. 18	ASD	IP	22 36 46.8	79.0	.1	4.12	145	319	-.5	
		IS	22 37 4.3						.6	
. 18	ASB	IP	22 36 47.0	29.5	.1	3.69	147	316	-.6	
		IS	22 37 4.8						.6	
. 18	ASC	IP	22 36 48.8				159	318	-.3	
. 18	AND	IP	22 36 50.8				177	317	-.5	
. 18	SSI	IP	22 36 52.7				182	335	.8	
. 18	ANA	EP	22 36 53.2				195	314	-.5	
. 18	ADK	EP C	22 36 59.1				245	47	-.7	
		ES	22 37 26.1						.8	
.....										
. 18	ASB	EP	22 47 39.3	7.4	.1					
. 18	ANA	EP	22 47 39.9							
. 18	AND	IP	22 47 40.0							
		ES	22 47 58.3							
. 18	ASC	EP	22 47 40.2							
. 18	ASD	EP	22 47 40.2							
. 18	SSI	IP	22 47 47.9							
		IS	22 48 12.7							
.....										
. 18	22 52	4.82	53.07 N 178.45 W	DEPTH = 200.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 18	SSI	IP D	22 52 42.1	8.0	.1	3.36	187	226	1.5	
. 18	AMA	IP	22 52 42.5				204	193	.4	
		IS	22 53 9.2						-.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
18	ASD	IP	22 52 45.0	25.1	.1		240	220	-.5	GOOD EVENT
18	ASB	EP	22 52 45.5	42.5	.1		247	221	-.7	
		IS	22 53 12.8						-3.6	
18	ASC	EP	22 52 45.6				242	223	-.1	
18	AND	EP	22 52 45.7				244	228	-.2	
18	ANA	EP	22 52 46.6				254	232	-.3	
18	RAT	IP	22 52 47.5				261	238	-.1	
		ES	22 53 19.4						.6	
.....										
18	22 58 21.18	52.04 N 179.47 E DEPTH = 181.8 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
18	AND	EP	22 58 46.5				64	214	-.1	
18	ASD	EP	22 58 46.8	2.7	.1	2.75	72	187	-.2	
		ES	22 59 5.8						-.0	
18	ANA	EP	22 58 46.9				72	231	-.1	
18	ASC	IP	22 58 47.0				67	198	.3	
18	ASB	IP	22 58 47.2				77	192	.0	
18	RAT	IP C	22 58 47.5	12.0	.1	3.41	83	252	.0	
.....										
18	23 15 39.40	51.10 N 179.03 W DEPTH = 33.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS								TELESEISMIC SOLUTION
18	AMA	IP D	23 15 46.0				22	344	.2	
18	ASD	IP	23 15 57.9	31.1	.1	3.63	118	286	-.9	
18	ASB	EP	23 15 58.9	44.4	.1	3.81	124	284	-.8	
		IS	23 16 14.0						-.4	
18	SSI	IP C	23 15 59.6				130	313	-.9	
		IS	23 16 12.8						-3.1	
18	ASC	EP	23 16 0.0				132	288	-.8	
18	AND	EP	23 16 2.0				150	291	-.9	
18	ANA	EP	23 16 5.0				171	291	-.5	
.....										
18	23 28 26.13	51.04 N 179.85 W DEPTH = 22.3 KM DELAROF ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
18	AMA	EP	23 28 36.4				59	62	-.0	
18	ASD	EP	23 28 37.8	4.6	.1	2.59	69	305	-.1	
18	ASB	EP	23 28 38.4				72	300	-.0	
		ES	23 28 47.4						-.0	
18	ASC	EP	23 28 40.3				83	305	.2	
18	SSI	IP C	23 28 43.0				103	338	.0	
		IS	23 28 55.2						-.0	
18	AND	IP	23 28 43.1				102	305	.3	
18	ANA	EP	23 28 45.6				122	303	-.4	
.....										
18	ANA	IP	23 32 31.2							
18	AND	IP	23 32 33.3							
		IS	23 32 37.7							
18	ASC	IP	23 32 36.1							
18	ASB	EP	23 32 37.6							
18	ASD	IP	23 32 38.3	1.8	.1					
18	SSI	IP	23 32 40.2	10.2	.1	3.02				
		IS	23 32 50.0							
19	AMA	IP C	01 21 31.6							
19	ADK	EP	01 21 43.4							
		ES	01 21 56.1							
19	ASD	EP	01 21 56.1							
		I	01 21 57.1							
19	SSI	IP	01 21 56.3							
19	ASB	EP	01 21 57.7							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	01 22 24.0							
19	ASC	EP	01 21 58.6							
19	AND	EP	01 22 .5							
19	ANA	EP	01 22 3.4							
19	RAT	IP	01 22 6.7							
19	1 41 38.00		51.52 N 179.38 W				DEPTH = 75.9 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	EP	01 41 49.6				32	144	-.2	
		IS	01 41 58.7						.3	
19	SSI	IP	01 41 53.9				82	301	-.0	
		IS	01 42 5.5						-.0	
19	ASD	IP	01 41 54.8	2.1	.1	2.44	90	261	.1	
19	ASB	EP	01 41 55.3				97	260	-.1	
		ES	01 42 7.9						-.2	
19	ASC	IP	01 41 56.1				101	267	.2	
19	4 43 43.80		63.21 N 150.47 W				DEPTH = 115.0 KM			TELESEISMIC SOLUTION
			CENTRAL ALASKA							
19	5 46 15.99		50.98 N 179.32 W				DEPTH = 34.5 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	IP	05 46 24.3				37	23	.1	
19	ASD	IP C	05 46 33.0				104	296	-.4	
		ES	05 46 46.7						.6	
19	ASB	EP	05 46 33.8				109	293	-.3	
19	ASC	EP	05 46 35.2				119	297	-.3	
19	SSI	IP	05 46 36.4				127	323	-.1	
		IS	05 46 51.2						-.3	
19	AND	EP	05 46 37.8				137	299	.0	
19	ANA	EP	05 46 41.2				158	298	.8	
19	ADK	EP	05 46 50.0				208	60	3.4	
		ES	05 47 11.4						2.4	
19	7 8 41.64		51.60 N 179.79 W				DEPTH = 81.5 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	SSI	IP	07 08 55.5	12.2	.1	3.13	53	307	.0	
		IS	07 09 5.5						-.0	
19	AMA	IP	07 08 55.9				59	126	.0	
19	ASD	IP	07 08 56.2	7.1	.1	2.93	65	249	-.2	
		IS	07 09 7.1						.0	
19	ASB	EP	07 08 57.0	6.3	.1	2.89	72	248	-.0	
		ES	07 09 8.3						.1	
19	ASC	EP	07 08 57.3				74	258	.1	
19	AND	EP	07 08 58.3				87	267	-.1	
19	ANA	EP	07 09 .6				107	272	.1	
19	9 1 46.45		51.67 N 178.52 E				DEPTH = 84.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ANA	IP C	09 01 58.5				11	119	-.0	
19	AND	IP C	09 01 59.3				32	112	.0	
		ES	09 02 8.6						-.0	
19	ASC	EP	09 02 .4				50	118	.0	
19	ASB	EP	09 02 1.2				61	124	.0	
19	ASD	IP C	09 02 1.4	3.4	.1	2.61	65	119	-.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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19	10	2	54.80	52.52 N	178.80 E	DEPTH = 144.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

19	SSI	IP C	10 03 17.5				88	142	.0	
		ES	10 03 34.0						-.0	
19	ANA	EP	10 03 18.3				100	185	-.0	
19	AND	IP	10 03 18.9				107	174	.0	
19	ASB	EP	10 03 20.9				133	166	-.1	
19	ASD	EP	10 03 20.9	1.7	.1	2.55	131	163	.1	
		IS	10 03 39.9						.0	

19	12	59	22.54	51.99 N	178.27 E	DEPTH = 137.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

19	ANA	EP	12 59 42.2				49	147	.0	
		ES	12 59 56.5						.0	
19	AND	EP	12 59 43.0				67	135	-.1	
19	ASC	EP	12 59 44.4				85	133	.1	
19	ASB	EP	12 59 45.1				97	136	-.0	
19	ASD	EP	12 59 45.3	4.9	.1	2.96	100	132	-.0	

19	14	31	39.00	67.37 N	162.70 W	DEPTH = 2.0 KM MB = 5.3	TELESEISMIC SOLUTION			
ALASKA										

19	18	59	26.34	51.78 N	178.66 E	DEPTH = 82.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

19	ANA	IP C	18 59 38.4				17	179	.1	
19	RAT	IP D	18 59 38.5				23	276	.0	
		IS	18 59 47.2						-.1	
19	AND	IP D	18 59 38.8				32	139	-.1	
19	ASC	IP	18 59 40.2				50	135	.2	
19	ASB	IP	18 59 40.8				62	138	-.1	
		ES	18 59 51.6						.1	
19	ASD	IP D	18 59 40.9	4.2	.1	2.70	64	132	-.2	
19	SSI	IP	18 59 41.2				65	78	.0	

19	20	35	1.34	51.09 N	179.93 W	DEPTH = 36.8 KM	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

19	ANA	IP	20 35 12.6				61	69	-.1	
19	ASD	IP D	20 35 12.8	49.8	.1	3.62	61	303	.1	
19	ASB	IP	20 35 13.5	21.3	.1	3.27	65	298	.2	
		IS	20 35 21.4						-.6	
19	ASC	IP	20 35 15.0				76	303	.2	
19	AND	IP	20 35 17.3				94	304	-.1	
19	SSI	EP	20 35 17.7				95	339	.1	
19	ANA	EP	20 35 20.1				115	302	-.1	

19	ANA	EP	22 09 4.8							
		ES	22 09 20.0							
19	AND	IP	22 09 6.1							
19	ASC	EP	22 09 7.8							

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FEB 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	23 35	52.21	51.58 N 179.50 E	DEPTH = 71.7 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	IP C	23 36 3.2	1.8	.1	2.21	24	208	.0	
19	ASB	IP	23 36 3.4				30	216	-.1	
		IS	23 36 11.7						.0	
19	ASC	IP	23 36 3.4				27	241	.1	
19	AND	IP	23 36 3.8				38	267	-.1	
19	ANA	IP	23 36 5.6				58	275	.1	
20	ADK	EP	02 02 35.7							
		ES	02 02 52.0							
20	AMA	IP	04 08 37.9							
		ES	04 09 14.7							
20	SSI	IP	04 08 45.6							
20	ASD	IP	04 08 48.6							
		ES	04 09 24.9							
20	ASB	IP	04 08 49.3	13.4	.1					
20	ASC	IP	04 08 50.0							
20	AND	IP	04 08 51.0							
20	ANA	EP	04 08 53.1							
20	ADK	IP D	06 02 4.1							
		IS	06 02 11.2							
20	AMA	IP	06 02 26.6							
		E(S)	06 03 1.3							
20	SSI	IP	06 02 39.0							
20	ASD	EP	06 02 39.7							
20	ASB	EP	06 02 41.5	11.9	.1					
		ES	06 03 26.5							
20	ASC	EP	06 02 42.9							
20	AND	EP	06 02 43.6							
20	ANA	EP	06 02 45.9							
20	ANA	EP	07 55 3.0							
		ES	07 55 37.6							
20	AND	EP	07 55 5.0							
20	SSI	IP	07 55 11.6							
		ES	07 55 52.9							
20	AND	EP	08 19 4.0							
20	ANA	IP D	08 19 4.5							
20	ASC	IP	08 19 4.8							
20	ASD	IP D	08 19 4.8	18.8	.1	3.57				
20	ASB	IP	08 19 5.0							
		ES	08 19 25.1							
20	AMA	EP	08 19 8.4	14.8	.1	3.39				
		ES	08 19 25.0							
20	8 36	24.06	51.90 N 179.22 W	DEPTH = 34.1 KM				FREE DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
20	AMA	IP	08 36 36.4	14.3	.1	3.11	69	174	.0	
		IS	08 36 45.3						-.0	
20	SSI	IP	08 36 38.1				82	270	-.2	
20	ASD	IP C	08 36 42.8	9.8	.1	3.12	115	241	-.2	
		IS	08 36 56.8							

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	10 12 48.15		51.22 N 178.52 E				8.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	IP D	10 12 56.7				46	12	-.0	
20	AND	IP D	10 12 57.0				49	38	-.1	
20	ASC	EP	10 12 57.8				52	59	.1	
20	ASB	IP D	10 12 57.8	9.2	.1	2.78	53	73	.0	
		ES	10 13 4.6						-.2	
20	ASD	IP	10 12 58.9				60	71	.0	
20	SSI	IP	10 13 5.6				105	44	-.1	
		IS	10 13 18.6						.2	
20	11 45 28.10		50.93 N 178.11 W				9.0 KM			TELESEISMIC SOLUTION
			ANOREANOF ISLANDS, ALEUTIANS ISLANDS							
20	AMA	IP	11 45 43.1				81	300	1.2	
		IS	11 45 51.1						-.8	
20	ADK	EP	11 45 52.7				145	42	1.1	
		ES	11 46 8.5						-.2	
20	ASD	EP	11 45 57.5				185	287	-.2	
		IS	11 46 17.4						-1.9	
20	ASB	IP C	11 45 58.1				191	286	-.5	
20	SSI	IP	11 45 58.2				193	305	-.6	
20	ASC	EP	11 45 59.7				199	288	-.1	
20	AND	EP	11 46 1.6				217	290	-.5	
20	ANA	EP	11 46 4.9				238	290	.1	
20	ADK	EP	14 03 10.2							
		ES	14 03 25.2							
20	ANA	EP	14 38 27.2							
20	AND	IP	14 38 28.1							
20	ASB	EP	14 38 28.4	6.0	.1	2.98				
		ES	14 38 44.1							
20	ASC	IP	14 38 28.7							
20	ASD	EP	14 38 29.1	4.5	.1	2.86				
20	SSI	IP	14 38 36.5	29.3	.1					
		IS	14 38 59.1							
20	AMA	IP D	18 37 13.8	23.3	.1	3.14				
		IS	18 37 19.1							
20	ASB	IP	18 37 20.1							
		ES	18 37 31.8							
20	ASD	EP	18 37 20.4	2.4	.1	2.47				POOR ARRIVALS
20	ASC	EP	18 37 23.2							
20	SSI	IP C	18 37 23.9							
20	AND	EP	18 37 25.2							
20	21 54 16.34		51.05 N 179.36 E				32.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASB	EP	21 54 24.3	7.2	.1	2.63	36	347	.2	
		ES	21 54 29.5						-.3	
20	ASD	IP	21 54 24.4				38	358	-.0	
20	ASC	IP	21 54 25.9				48	344	.2	
20	AND	IP	21 54 27.8				64	334	-.0	
20	ANA	EP	21 54 30.1				81	323	-.1	
20	SSI	IP C	21 54 32.4				95	9	.0	
20	AMA	IP	21 54 34.4				110	75	-.1	
		ES	21 54 47.9						.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
21	0	5	11.98	51.91 N	179.26 W	DEPTH = 33.5 KM				FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	AMA	IP D	00 05 24.3				70	171	-.1	
		IS	00 05 33.7						.2	
21	SSI	IP C	00 05 25.8				79	269	.1	
21	ASD	IP	00 05 30.4				112	240	-.2	
21	RAT	IP	00 05 37.5				166	267	.0	
21	ADK	EP	00 05 38.4				177	90	-.4	
		ES	00 06 .2						1.8	
.....										
21	0	48	27.31	51.28 N	179.90 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	00 48 38.3	29.5	.1	3.41	54	284	-.3	
		IS	00 48 45.4						-1.4	
21	AMA	IP	00 48 38.4				55	88	-.3	
21	ASB	EP	00 48 39.1				60	279	-.1	
		IS	00 48 47.6						-.3	
21	ASC	IP	00 48 40.4				68	288	.2	
21	SSI	IP C	00 48 41.4				77	333	.2	
		ES	00 48 50.8						-.6	
21	AND	EP	00 48 42.3				86	292	.1	
21	ANA	EP	00 48 45.4				107	292	.6	
21	RAT	IP	00 48 49.2				136	296	.9	
.....										
21	ADK	IP	04 02 12.5							
		IS	04 02 28.8							
21	AMA	EPN	04 02 28.5	19.5	.1					
		IPG	04 02 30.8							
21	SSI	EP	04 02 42.6							
21	ASD	EP	04 02 42.8							REGIONAL
21	ASB	EP	04 02 44.8							
		ES	04 03 28.2							
21	ASC	IP	04 02 45.8							
21	AND	EP	04 02 46.7							
21	ANA	EP	04 02 49.9							
21	RAT	EP	04 02 52.8							
.....										
21	5	26	35.60	52.19 N	179.45 E	DEPTH = 185.9 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	IP	05 27 2.0				77	206	-.1	
21	ANA	EP	05 27 2.4				83	221	.0	
21	ASC	EP	05 27 2.5				83	194	.1	
21	ASD	IP	05 27 2.7	6.6	.1	3.16	89	185	-.0	
		ES	05 27 22.5						.0	
21	ASB	EP	05 27 2.9				93	189	-.0	
.....										
21	ASD	EP	09 49 39.2							SMALL AMP
		ES	09 49 57.3							
21	AND	EP	09 49 39.7							
21	ANA	EP	09 49 40.1							
21	SSI	IP C	09 49 47.6							
.....										
21	10	35	20.10	23.85 S	67.16 W	DEPTH = 169.0 KM MB = 6.3				TELESEISMIC SOLUTION
CHILE-ARGENTINA BORDER REGION										
21	ADK	EP	10 53 53.5				13381	317		
21	AMA	EP	10 53 55.1				13550	317		
21	SSI	EP	10 53 55.6				13638	317		
21	RAT	IP	10 53 56.2				13725	317		

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ASB	EP	10 53 56.9				13664	317		
21	AND	EP	10 53 57.3				13684	317		
21	ASC	EP	10 53 57.7				13669	317		
21	ASD	EP	10 53 57.8				13657	317		TELESEISMIC
21	ANA	EP	10 53 58.9				13703	317		
.....										
21	16 8 9.10	62.57 N 151.35 W DEPTH = 91.0 KM MB = 4.2					TELESEISMIC SOLUTION			
CENTRAL ALASKA										
.....										
21	16 36 18.03	51.70 N 179.25 E DEPTH = 9.2 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	IP	16 36 23.0				26	233	-.0	
21	SSI	IP C	16 36 24.0	8.3	.1	2.54	31	48	.0	
		IS	16 36 28.3						-.0	
21	ASD	EP	16 36 24.6				35	170	-.1	
21	ASB	EP	16 36 25.2				38	180	.0	
		ES	16 36 30.4						.0	
.....										
21	16 40 2.05	51.40 N 179.99 W DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EP	16 40 10.6				47	269	-.1	
21	ASB	IP D	16 40 11.7	3.1	.1	2.34	53	265	.0	
		ES	16 40 18.7						-.0	
21	ASC	IP	16 40 12.8				59	277	.3	
21	AND	EP	16 40 14.8				76	284	-.1	
.....										
21	17 5 19.46	51.44 N 178.78 E DEPTH = 45.0 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	IP C	17 05 27.2				18	42	.1	
21	ANA	IP D	17 05 27.6				22	338	.3	
21	ASC	IP	17 05 27.9				27	85	.2	
21	ASB	IP	17 05 28.2	7.8	.1	2.72	34	106	-.1	
		IS	17 05 34.4						-.4	
21	ASD	EP	17 05 28.8				40	98	-.1	
21	RAT	IP	17 05 30.0				50	322	-.0	
		ES	17 05 37.3						-.4	
21	SSI	IP	17 05 33.0				75	48	.0	
.....										
21	17 9 57.62	51.24 N 178.47 E DEPTH = 42.7 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP	17 10 7.6				45	17	.1	
21	AND	IP C	17 10 7.7				49	43	-.3	
21	ASB	IP	17 10 8.7	4.0	.1	2.52	56	76	-.1	
		ES	17 10 16.3						-.6	
21	ASC	IP	17 10 8.7				54	62	.1	
21	ASD	EP	17 10 9.3				63	74	-.3	
21	RAT	IP D	17 10 9.3				63	351	-.4	
21	SSI	IP	17 10 15.6				106	46	.6	
		IS	17 10 28.8						1.2	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	18 10	34.60	63.08 N 150.35 W	DEPTH = 115.0 KM	MB = 4.7					TELESEISMIC SOLUTION
			CENTRAL ALASKA							
21	19 19	26.19	52.43 N 178.40 E	DEPTH = 152.5 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT	EP	19 19 48.5				70	184	-.1	
21	ANA	IP C	19 19 50.0				91	169	.1	
21	AND	IP	19 19 50.6				104	158	-.1	
21	ASC	EP	19 19 52.3				120	154	.3	
21	ASB	EP	19 19 52.9	4.3	.1	2.97	132	154	-.1	
21	ASD	EP	19 19 52.9	5.7	.1	3.10	132	150	-.1	
		ES	19 20 12.6						-.0	
21	RAT	EP	20 08 14.2	19.1	.1	3.18				
		ES	20 08 21.6							
21	ANA	IP	20 08 19.2							
21	AND	EP	20 08 21.9							
		ES	20 08 34.4							
21	ASC	EP	20 08 24.9							
21	ASB	EP	20 08 27.3							
21	ASD	EP	20 08 27.7							
		ES	20 08 43.4							
21	AMA	EP	20 46 24.7	9.3	.1	2.91				
		ES	20 46 32.9							
21	ASD	EP	20 46 36.0							
21	ASB	EP	20 46 37.3	4.0	.1					
		ES	20 47 54.5							
21	ASC	EP	20 46 38.3							
21	AND	IP C	20 46 39.4							
21	ANA	EP	20 46 41.8							
21	21 20	52.08	50.93 N 177.61 E	DEPTH = 13.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT	IP	21 21 9.4				109	27	-.4	
21	ANA	EP	21 21 10.0				107	43	.5	
21	AND	EP	21 21 11.0				117	52	-.0	
21	ASB	EP	21 21 12.2				124	67	.1	
		ES	21 21 26.5						-.1	
21	ASD	EP	21 21 12.8				131	66	-.4	
21	SSI	IP	21 21 19.9				174	51	.2	
21	22 12	24.10	51.61 N 178.40 E	DEPTH = 22.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ANA	IP C	22 12 29.2				18	83	.3	
21	RAT	IP C	22 12 29.4	223.5	.1	3.94	22	348	.1	
		IS	22 12 32.7						-.4	
21	AND	IP C	22 12 31.5				39	97	-.0	
21	ASC	IP C	22 12 34.2				56	106	.3	
21	ASB	IP D	22 12 35.2				65	114	-.1	
		ES	22 12 43.2						-.3	
21	ASD	IP C	22 12 35.8	14.3	.1	3.09	70	110	-.2	
		IS	22 12 44.8						.1	
21	SSI	IP	22 12 38.8				88	68	.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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21	22 47 35.55	50.94 N 177.68 E DEPTH = 13.4 KM		FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
21	RAT	IP	22 47 52.4				105	25	-.3	
		ES	22 48 5.2						-.0	
21	ANA	IP D	22 47 52.8				102	42	.6	
21	AND	EP	22 47 53.7				112	52	-.1	
21	ASB	EP	22 47 54.8	17.9	.2	3.08	119	66	.0	
		ES	22 48 8.7						-.1	
21	ASD	EP	22 47 55.7				126	66	-.2	
21	SSI	IP	22 48 2.5				169	51	.1	

22	0 17 35.07	51.66 N 178.58 W DEPTH = 25.0 KM		FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	00 17 58.4	2.8	.1	2.66	147	259	-.2	
22	ASB	EP	00 17 59.9	4.0	.1	2.84	154	259	.2	
		ES	00 18 17.6						-.0	
22	ASC	EP	00 18 .4				157	263	.2	
22	AND	EP	00 18 1.7				171	267	-.2	
22	ANA	EP	00 18 4.4				191	270	.1	

22	0 17 42.51	51.58 N 178.61 W DEPTH = 75.0 KM		FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	IP	00 18 4.8	8.1	.1	3.16	144	262	-.4	TWO EVENTS
22	ASB	IP	00 18 6.2				151	261	.2	P INTERVAL 6.2
		ES	00 18 23.2						-.0	
22	ASC	EP	00 18 6.9				155	266	.4	SECONDS.
22	AND	IP	00 18 8.1				169	270	-.1	
22	ANA	IP	00 18 10.5				189	272	-.1	

22	AMA	EP	00 55 11.0	7.6	.1	3.17				
		ES	00 55 30.7							
22	SSI	IP D	00 55 15.6							
22	ASD	EP	00 55 22.1	2.7	.1	2.63				
22	ASB	EP	00 55 23.7	2.9	.1	2.69				
		ES	00 55 40.6							
22	ASC	EP	00 55 24.4							
22	AND	EP	00 55 25.6							
22	ANA	EP	00 55 28.1							
22	RAT	EP	00 55 30.5							

22	AMA	IP D	01 03 21.7							
22	SSI	IP	01 03 28.7							
22	ASD	EP	01 03 32.9	12.0	.2	3.00				
22	ASB	EP	01 03 34.1	8.7	.1	3.18				
		ES	01 03 51.6							
22	ASC	EP	01 03 35.1							
22	AND	EP	01 03 35.7							
22	ANA	EP	01 03 38.8							
22	RAT	EP	01 03 41.2							
		ES	01 04 4.3							

22	AMA	IP	01 14 5.1	27.6	.1	3.39				
		ES	01 14 13.3							
22	SSI	EP	01 14 11.9							
22	ASD	EP	01 14 16.2	9.2	.1	3.18				
22	ASB	EP	01 14 17.3							
		ES	01 14 34.2							
22	ASC	EP	01 14 18.1							
22	AND	EP	01 14 18.9							
22	ANA	EP	01 14 22.1							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	RAT	EP	01 14 24.5							
22	1 37 48.35		51.43 N 177.32 E				31.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	RAT	IP	01 38 2.0				81	59	-.2	
22	ANA	EP	01 38 5.0				95	76	.6	
22	AND	EP	01 38 6.6				114	82	-.5	
22	ASC	EP	01 38 9.3				128	88	.1	
22	ASB	EP	01 38 10.1				134	93	.0	
22	ASD	EP	01 38 10.9				140	91	.0	
		ES	01 38 27.1						-.2	
22	SSI	IP	01 38 13.9				165	71	-.0	
		IS	01 38 32.7						.2	
22	AMA	EP	02 38 50.7							
22	SSI	EP	02 38 57.7							
22	ASD	EP	02 39 1.9	5.5	.1	2.98				
		ES	02 39 19.3							
22	ASB	EP	02 39 3.1	7.6	.1	3.14				
22	ASC	EP	02 39 3.8							
22	AND	EP	02 39 4.9							
22	ANA	EP	02 39 7.8							
22	RAT	EP	02 39 10.3							
22	3 20 43.72		51.31 N 177.31 E				14.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	RAT	IP D	03 20 58.9	39.7	.1	3.62	89	52	.5	
		ES	03 21 8.7						-.5	
22	ANA	EP	03 21 .4				100	69	.3	
22	AND	EP	03 21 2.4				118	76	-.3	
22	ASC	EP	03 21 4.9				130	82	.3	
22	ASB	EP	03 21 5.3	20.1	.2	3.18	135	87	-.1	
22	ASD	EP	03 21 6.0				142	86	-.4	
		ES	03 21 23.4						.5	
22	SSI	IP	03 21 10.6				170	67	-.1	
22	AMA	EP	03 21 21.2				249	89	.0	
22	4 18 53.36		51.45 N 179.69 E				17.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASD	IP	04 18 58.5	10.9	.1	2.62	25	255	-.1	LOCAL
		IS	04 19 2.4						.1	
22	ASB	IP	04 18 59.7	14.2	.1	2.81	32	253	.1	
		IS	04 19 4.1						-.0	
22	ASC	EP	04 19 .2				36	273	.0	
22	AND	IP	04 19 2.3				52	284	-.3	
22	SSI	IP C	04 19 2.3	13.2	.1	2.93	50	352	.1	
22	ANA	IP	04 19 5.7				74	286	-.1	
22	AMA	IP C	04 19 8.1				86	102	.5	
		ES	04 19 17.1						-.8	
22	RAT	IP D	04 19 10.0				102	293	.0	
22	AMA	EP	05 17 28.0	9.5	.1					
22	SSI	IP C	05 17 35.0	10.7	.1					
22	ASD	EP	05 17 39.3	4.2	.1					
22	ASB	EP	05 17 40.4	5.1	.1					
		ES	05 18 57.8							
22	ASC	EP	05 17 41.0							
22	AND	EP	05 17 42.0							
22	ANA	EP	05 17 45.1							
22	RAT	EP	05 17 47.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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ES 05 18 10.6

22	5 22 45.75	51.44 N 179.25 E	DEPTH = 34.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP C	05 22 51.5	2.2	.1	2.00	8	133	-.1	
22	ASB	EP	05 22 51.6	6.5	.1	2.46	9	183	.0	
		ES	05 22 55.8						-.0	
22	ASC	EP	05 22 51.6				7	290	.1	
22	AND	EP	05 22 52.6				25	303	-.1	

22	5 35 30.44	51.09 N 179.17 E	DEPTH = 25.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	IP D	05 35 37.2				31	10	.2	
		IS	05 35 41.9						.1	
22	ASD	IP	05 35 37.6	2.8	.1	2.18	36	20	-.1	
22	ASC	EP	05 35 38.5				42	360	.0	
22	AND	EP	05 35 40.0				55	344	-.3	
22	ANA	EP	05 35 41.9				70	330	-.6	
22	SSI	EP	05 35 46.1				94	18	-.0	
		IS	05 35 57.6						.1	
22	RAT	IP C	05 35 47.4				98	324	.7	

22	AMA	EP	06 08 52.7							
22	ASD	EP	06 09 7.9							
		ES	06 09 25.3							
22	ASB	EP	06 09 8.7							
22	ASC	EP	06 09 9.7							

22	6 10 56.32	51.36 N 179.21 E	DEPTH = 36.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	EP	06 11 2.3				3	80	.0	
22	ASD	EP	06 11 2.5	2.7	.1	2.10	10	67	.0	
		ES	06 11 7.0						.0	
22	ASC	EP	06 11 2.6				12	346	.0	

22	7 25 46.34	51.21 N 178.45 E	DEPTH = 24.2 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ANA	IP D	07 25 55.6				49	17	.3	
22	AND	IP D	07 25 55.9				53	41	.1	
22	ASB	IP	07 25 56.6	11.2	.1	2.92	58	73	.0	
		ES	07 26 3.5						-.5	
22	ASC	IP	07 25 56.8				57	60	.3	
22	RAT	IP D	07 25 57.4				66	353	-.4	
22	ASD	EP	07 25 57.5				65	71	-.1	
22	SSI	EP	07 26 4.4				109	45	.1	
22	AMA	EP	07 26 13.1				170	86	-.0	

22	8 54 29.50	50.17 N 178.62 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	EP	08 54 52.0				140	18	.1	SMALL AMP
		ES	08 55 8.3						.0	
22	ASD	EP	08 54 52.7				145	20	-.1	
22	ASC	EP	08 54 53.4				149	15	.1	
22	AND	EP	08 54 54.5				157	8	-.0	

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	11 18	8.35	51.35 N 179.00 E	DEPTH = 28.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	IP	11 18 13.8	2.2	.1	1.96	18	86	-.0	
22	ASC	EP	11 18 14.0				17	43	.2	
22	ASD	EP	11 18 14.4	1.3	.1	1.77	25	79	-.1	
22	AND	EP	11 18 14.4				24	353	-.0	
		IS	11 18 18.8						-.1	
22	11 18	50.13	50.02 N 179.94 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	AMA	EP C	11 19 16.2	4.3	.1	2.87	155	25	-.0	
22	ASD	IP	11 19 16.9	3.5	.1	2.79	158	345	.4	
		ES	11 19 35.7						-.0	
22	ASC	EP	11 19 18.5				169	342	.3	
22	AND	EP	11 19 20.1				185	338	-.5	
22	SSI	EP	11 19 24.2	10.7	.1		210	353	-.1	
22	AMA	EP	11 24 13.6							
22	SSI	IP D	11 24 20.7							
		ES	11 24 33.6							
22	ASD	EP	11 24 24.8							
		ES	11 24 42.3							
22	ASB	EP	11 24 26.1							
22	ASC	EP	11 24 26.9							
22	AND	EP	11 24 27.9							
22	ANA	EP	11 24 31.1							
22	RAT	EP	11 24 33.6							
22	12 14	55.18	52.24 N 179.87 W	DEPTH = 176.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	12 15 22.5				109	210	-.1	
		ES	12 15 42.6						-.0	
22	AND	EP	12 15 22.6				111	228	-.1	
22	ASC	EP	12 15 22.8				109	218	.2	
22	ASB	EP	12 15 23.0				115	212	-.0	
22	ANA	EP	12 15 23.5				122	237	.0	
22	AMA	EP	12 50 48.1							
22	SSI	IP C	12 50 55.1							
22	ASD	EP	12 50 59.4	2.1	.1	2.54				
22	ASB	EP	12 51 .5							
		ES	12 51 17.7							
22	ASC	EP	12 51 1.6							
22	AND	EP	12 51 2.0							
22	12 50	54.31	51.07 N 178.55 E	DEPTH = 29.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	IP	12 51 4.7	11.2	.1	2.94	58	56	-.2	
		ES	12 51 11.9						-.7	
22	ANA	EP	12 51 5.3				63	7	-.2	
22	ASD	IP	12 51 5.5				66	57	-.4	
22	AND	IP	12 51 5.5				62	27	.2	
22	RAT	EP	12 51 8.0				83	349	-.4	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	15 44 11.57	51.15 N 178.75 E DEPTH = 33.3 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	ASB	EP	15 44 20.3				42	56	.1	
		ES	15 44 26.3						-.1	
22	ASC	EP	15 44 20.7				45	40	.1	
22	AND	EP	15 44 20.9				48	17	-.1	
22	ASD	EP	15 44 21.0	3.1	.1	2.34	49	57	-.1	
22	ANA	EP	15 44 21.8				53	353	.1	
22	RAT	EP	15 44 25.0				78	338	-.1	
22	SSI	EP	15 44 28.4				101	35	-.0	
		ES	15 44 40.8						.1	
.....										
22	RAT	EP	17 09 8.8							
		ES	17 09 24.8							
22	ANA	EP	17 09 12.1							
22	AND	EP	17 09 15.4							
		IS	17 09 37.1							
22	ASC	EP	17 09 16.8							
22	ASD	IP	17 09 20.1	2.2	.1					
.....										
22	17 20 31.41	50.55 N 177.84 E DEPTH = 0.0 KM					FIXED DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	ASB	EP	17 20 54.3	1.8	.1	2.43	134	47	.2	
22	ANA	EP	17 20 54.3				133	25	.4	
22	AND	EP	17 20 54.5				137	34	-.0	
22	ASC	EP	17 20 54.8				137	42	.2	
22	ASD	EP	17 20 54.9				141	48	-.2	
		ES	17 21 12.4						-.0	
22	RAT	IP C	17 20 55.3				143	14	-.2	
22	SSI	IP	17 21 2.7				193	39	-.3	
.....										
22	18 24 49.32	51.94 N 178.42 E DEPTH = 129.5 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	RAT	IP D	18 25 6.8				17	201	-.2	
		IS	18 25 20.0						.1	
22	ANA	IP D	18 25 7.7				39	155	.1	
22	AND	IP D	18 25 8.4				56	139	.0	
22	ASC	EP	18 25 9.6				74	136	.1	
22	SSI	IP D	18 25 9.9				80	94	.0	
22	ASB	EP	18 25 10.3				86	138	-.0	
		ES	18 25 25.5						-.2	
22	ASD	EP	18 25 10.5	18.9	.1	3.51	89	134	.0	
22	AMA	EP	18 25 19.5				185	112	-.1	
.....										
22	18 58 28.70	62.96 N 152.33 W DEPTH = 33.0 KM					TELESEISMIC SOLUTION			
		CENTRAL ALASKA								
.....										
22	19 33 22.42	52.09 N 179.72 E DEPTH = 180.3 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	SSI	EP	19 33 46.4				24	202	-.0	
22	AND	IP	19 33 48.3				79	222	-.1	
22	ASD	EP	19 33 48.4	16.5	.1	3.55	82	199	-.1	
		ES	19 34 7.6						.0	
22	ASC	EP	19 33 48.5				79	209	.1	
22	ASB	EP	19 33 48.8				87	202	-.0	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 22	ANA	IP	19 33 49.0				89	235	.1	
. 22	RAT	IP C	19 33 49.6	44.7	.1	4.00	100	252	-.0	
. 22	AMA	EP	19 33 51.0				120	137	.0	
.		ES	19 34 11.8						-.0	
.....										
22	RAT	IP C	21 40 37.4	298.0	.1	4.14				
		IS	21 40 41.5							
22	ANA	IP C	21 40 41.5							
		IS	21 40 48.6							
22	AND	IP	21 40 43.6							
22	SSI	IP C	21 40 47.0							
22	ASC	EP	21 40 47.1							
22	ASD	EP	21 40 48.6	5.7	.1	2.92				QUESTIONABLE P
		IS	21 41 2.8							
22	ASB	EP	21 40 49.0	8.1	.1	3.08				
22	AMA	EP	21 41 2.1	11.4	.1					
.....										
. 23	0 22 55.30		51.40 N 178.76 E				DEPTH = 39.9 KM			FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 23	AND	IP C	00 23 2.6				23	36	-.1	
. 23	ANA	IP D	00 23 3.0				27	345	.0	
. 23	ASC	IP D	00 23 3.4				29	75	.2	
. 23	ASB	EP	00 23 3.7				34	96	-.0	
.		ES	00 23 9.8						-.0	
. 23	ASD	IP C	00 23 4.3	7.7	.1	2.72	40	91	-.1	
.....										
23	ADK	EP D	00 23 6.8							
		ES	00 23 15.8							
23	ASD	EP	00 23 28.3							
		I	00 23 32.1	81.6	.2					
		ES	00 24 2.4							
23	ASB	EP	00 23 29.7							
		I	00 23 33.7	122.2	.2					
23	ASC	EP	00 23 30.8							
23	AND	EP	00 23 32.9							
23	ANA	EP	00 23 35.6							
23	RAT	IP	01 33 28.0							
23	ANA	IP	01 33 32.0							
23	AND	EP	01 33 34.6							
		ES	01 33 57.3							
23	ASC	EP	01 33 36.8							
23	ASB	EP	01 33 37.5							
23	ASD	EP	01 33 38.2							
23	SSI	IP	01 33 39.5							
.....										
. 23	1 59 35.31		51.82 N 179.45 E				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 23	AND	EP	01 59 45.6				45	230	-.0	
. 23	ASC	IP	01 59 45.8				45	206	.2	
.		IS	01 59 53.2						.1	
. 23	ASB	EP	01 59 46.0	2.3	.1	2.30	54	195	-.5	
. 23	ASD	EP	01 59 46.3	1.3	.1	2.02	49	189	.3	
.....										
. 23	3 28 24.33		51.07 N 179.97 W				DEPTH = 35.7 KM			FREE DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 23	ASD	IP C	03 28 35.6	38.2	.1	3.50	60	307	.1	
. 23	ASB	IP	03 28 36.1				63	301	.1	
.		ES	03 28 43.8						-.7	
. 23	AMA	IP C	03 28 36.3	82.2	.1	3.85	65	68	.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	23	IS	03 28 44.4						-.4	
.	23	ASC IP	03 28 37.7				75	306	.2	
.	23	AND IP	03 28 40.2				93	307	.0	
.	23	SSI IP	03 28 41.0	102.0	.1	4.08	97	342	.3	
.	23	ANA EP	03 28 42.7				114	304	-.4	
.	23	RAT IP C	03 28 47.0				143	305	.2	
.....										
23	ASB	IP	04 23 46.3	66.2	.2	3.72				
		ES	04 24 1.9							
23	ASD	IP C	04 23 46.8	27.4	.1	3.65				
23	ASC	IP	04 23 47.4							
23	AND	EP	04 23 48.1							
23	ANA	EP	04 23 48.9							
23	RAT	IP	04 23 51.2	21.9	.1	3.66				
		ES	04 24 12.6							
23	ANA	EP	04 23 54.5							
23	SSI	IP	04 23 55.3							
23	ADK	EP D	05 26 23.7							
		ES	05 26 33.7							
23	AMA	IP C	05 26 31.1							
23	SSI	IP	05 26 45.4							
23	ASD	IP	05 26 46.0	6.7	.1					
23	ASB	EP	05 26 46.7	8.6	.1					
		ES	05 27 20.0							
23	ASC	EP	05 26 48.0							
23	AND	EP	05 26 49.9							
23	ANA	EP	05 26 52.7							
23	RAT	EP	05 26 55.9							
.....										
23	6 26 34.69		51.67 N 178.56 W	DEPTH = 79.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	IP D	06 26 48.6				57	222	-.1	
		ES	06 26 59.0						.1	
23	SSI	EP	06 26 55.9				130	281	-.1	
23	ASD	EP	06 26 58.0	4.5	.1	2.92	149	259	-.1	
23	ASB	EP	06 26 58.9				156	258	-.1	
		ES	06 27 16.6						-.1	
23	ASC	IP	06 26 59.5				159	262	.1	
23	AND	EP	06 27 .9				172	267	-.0	
23	ANA	EP	06 27 3.5				192	270	.3	
.....										
23	7 46 42.46		51.54 N 179.48 W	DEPTH = 27.4 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	EP	07 46 50.1				38	138	-.0	
23	SSI	IP D	07 46 55.7				75	301	.3	
		IS	07 47 4.5						-.3	
23	ASD	IP	07 46 56.4	5.3	.1	2.73	84	259	-.2	
23	ASB	IP	07 46 57.7				91	258	.0	
		ES	07 47 8.9						.2	
23	ASC	EP	07 46 58.5				95	265	.3	
23	AND	EP	07 47 .3				109	272	-.0	
23	ANA	EP	07 47 3.1				129	275	-.3	
23	RAT	EP	07 47 7.0				154	282	-.0	
.....										
23	8 54 51.69		51.51 N 179.52 W	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	EP	08 54 58.8				38	131	.0	
23	SSI	IP D	08 55 4.4	10.0	.1	2.96	75	305	.1	
		IS	08 55 13.3						-.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 23	ASD	EP	08 55 4.9	5.6	.1	2.73	80	261	-.2	
. 23	ASB	EP	08 55 6.1				87	259	-.1	
. 23	ASC	EP	08 55 7.0				91	267	.2	
. 23	AND	EP	08 55 9.0				106	274	.0	
. 23		ES	08 55 21.7						.1	
. 23	ANA	EP	08 55 12.1				126	277	.0	
. 23	RAT	EP	08 55 15.8				152	283	-.1	
.....										
. 23	9 2 47.55	51.53 N 179.49 W DEPTH = 27.5 KM							FREE DEPTH SOLUTION	
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 23	AMA	EP	09 02 55.2				37	135	.1	
. 23	SSI	IP D	09 03 .7				76	303	.2	
		IS	09 03 9.6						-.4	
. 23	ASD	EP	09 03 1.3				82	260	-.2	
. 23	ASB	EP	09 03 2.5				90	259	-.1	
		ES	09 03 13.5						-.0	
. 23	ASC	EP	09 03 3.2				94	266	.0	
. 23	AND	EP	09 03 5.2				108	273	-.1	
. 23	ANA	IP	09 03 8.5				128	276	.1	
		IS	09 03 24.1						.6	
. 23	RAT	EP	09 03 12.0				154	282	-.0	
.....										
. 23	11 58 7.78	50.37 N 178.37 E DEPTH = 0.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 23	ASB	IP	11 58 29.6				126	29	.3	
		ES	11 58 45.2						.2	
. 23	ASD	EP	11 58 30.1	2.8	.1	2.62	132	31	-.1	
		ES	11 58 46.3						-.3	
. 23	AND	IP	11 58 31.3				139	17	.1	
. 23	ANA	EP	11 58 31.9				141	8	.3	
. 23	RAT	EP	11 58 34.0				159	359	-.3	
		ES	11 58 53.6						.0	
. 23	SSI	EP	11 58 38.6				189	26	-.3	
.....										
. 23	12 36 51.86	51.42 N 179.24 E DEPTH = 25.2 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 23	ASD	IP	12 36 56.2	2.5	.1	1.93	8	115	-.0	
. 23	ASB	IP	12 36 56.2	5.9	.1	2.30	7	177	.0	
		IS	12 36 59.2						-.1	
. 23	ASC	IP	12 36 56.4				7	311	.2	
. 23	AND	EP	12 36 57.7				25	308	-.1	
. 23	ANA	EP	12 37 .5				46	300	-.0	
. 23	SSI	IP	12 37 2.1	7.1	.1	2.73	58	24	-.0	
. 23	RAT	EP	12 37 4.8				76	304	.0	
		ES	12 37 14.2						-.0	
.....										
. 23	15 25 13.61	51.79 N 177.57 E DEPTH = 107.3 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 23	RAT	EP	15 25 30.1				52	88	.1	
		ES	15 25 41.7						-.3	
. 23	ANA	EP	15 25 32.0				77	103	.2	
		ES	15 25 45.3						.3	
. 23	AND	EP	15 25 33.2				99	104	-.4	
. 23	ASC	EP	15 25 35.4				115	107	.2	
. 23	ASD	EP	15 25 36.4				130	109	-.2	
. 23	SSI	EP	15 25 37.6				139	84	.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
23	15 27	4.47	51.98 N 178.43 E	DEPTH = 112.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	IP D	15 27 20.2	15.8	.1	3.31	21	198	-.0	
		IS	15 27 31.6						-.1	
23	ANA	EP	15 27 21.2				43	158	.2	
23	AND	EP	15 27 21.7				59	142	-.2	
		IS	15 27 34.7						.1	
23	ASC	EP	15 27 23.4				77	138	.3	
23	SSI	IP C	15 27 23.4	7.3	.1	3.05	80	97	.0	
23	ASD	EP	15 27 24.0				91	136	-.3	
.....										
23	15 55	10.09	51.18 N 179.80 W	DEPTH = 30.0 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	IP D	15 55 19.4				49	76	-.0	
23	ASD	IP	15 55 21.6	3.6	.1	2.48	64	291	.1	
		IS	15 55 29.7						-.2	
23	ASB	EP	15 55 22.5				69	287	.2	
23	ASC	EP	15 55 23.8				79	294	.2	
23	SSI	IP C	15 55 25.3				90	332	.1	
		IS	15 55 36.3						.0	
23	AND	EP	15 55 25.8				97	296	-.4	
.....										
23	17 19	43.12	50.66 N 176.91 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	IP C	17 20 9.6	15.8	.1	3.45	161	37	-.4	
23	ANA	EP	17 20 10.6				163	48	.3	
23	AND	EP	17 20 12.0				175	54	-.0	
23	ASB	EP	17 20 12.9	3.4	.1	2.83	181	64	-.1	
		ES	17 20 34.6						-.2	
23	ASD	EP	17 20 14.1				189	63	-.0	
23	SSI	IP C	17 20 20.3				232	53	.1	
		IS	17 20 47.6						.3	
.....										
23	19 30	24.10	51.10 N 176.91 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
23	ADK	EP	19 30 39.1				89	10	-.2	
		ES	19 30 49.0						-1.3	
23	AMA	EP	19 30 46.4				155	279	-1.8	
23	SSI	P	19 31 .7				258	291	-.3	
23	ASD	EPN	19 31 1.5				263	279	-.1	VERY EMERGENT
		IPG	19 31 5.0	12.6	.2					
23	ASB	EP	19 31 2.6				269	278	.2	S NOT CLEAR
23	ASC	EP	19 31 3.9				276	280	.7	
23	AND	EP	19 31 5.6				292	282	.4	
23	RAT	EP	19 31 11.3				339	285	.3	
.....										
23	20 36	56.38	51.19 N 179.49 W	DEPTH = 24.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	IP D	20 37 2.5				29	68	-.1	
		IS	20 37 7.5						.4	
23	ASD	EP	20 37 10.6	2.5	.1	2.41	84	285	.1	
		IS	20 37 21.4						.6	
23	ASB	EP	20 37 11.2				90	282	-.2	
23	ASC	EP	20 37 12.7				98	288	.1	
23	SSI	EP	20 37 12.8				101	321	-.2	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	AND	EP	20 37 14.8				115	291	-.4	
23	RAT	EP	20 37 22.8				165	295	.2	
23	23 26 39.95		51.84 N 178.16 E							DEPTH = 111.0 KM RAT ISLANDS, ALEUTIAN ISLANDS
23	ANA	EP	23 26 56.2				42	124	-.0	
23	IS		23 27 8.1						-.0	
23	AND	EP C	23 26 57.4				63	119	-.0	
23	ASC	EP	23 26 58.9				81	121	.2	
23	ASB	EP	23 26 59.7				92	125	.0	
23	ASD	EP	23 26 59.8				96	121	-.2	
23	SSI	IP C	23 27 .2				98	86	.0	
23	23 44 40.95		51.84 N 178.37 E							DEPTH = 91.1 KM RAT ISLANDS, ALEUTIAN ISLANDS
23	RAT	IP C	23 44 53.7				5	214	-.1	
23	ES		23 45 3.0						-.1	
23	ANA	EP	23 44 54.6				31	140	.2	
23	AND	IP	23 44 55.6				50	127	.1	
23	ASC	EP	23 44 57.0				69	127	.1	
23	ASB	EP	23 44 57.9	8.1	.1	3.05	81	131	.0	
23	ES		23 45 10.3						.0	
23	ASD	EP	23 44 57.9	6.6	.1	2.96	83	126	-.3	
23	SSI	EP	23 44 58.2				84	85	.0	
24	ASB	EP	01 37 30.2							
24	AND	IP	01 37 30.6							
24	ANA	IP	01 37 30.6							
24	ASC	IP	01 37 30.9							
24	RAT	IP	01 37 31.0	8.2	.1					
24	ASD	IP C	01 37 31.1	2.1	.1					
24	SSI	IP	01 37 38.8	10.2	.1					
24	2 46 12.45		51.23 N 179.92 W							DEPTH = 36.4 KM DELAROF ISLANDS, ALEUTIAN ISLANDS
24	ASD	IP	02 46 23.1				54	289	.2	
24	IS		02 46 30.2						-.3	
24	AMA	IP	02 46 23.6	5.0	.1	2.60	57	84	.3	
24	ES		02 46 30.6						-.6	
24	ASB	EP	02 46 23.8				59	284	.2	
24	ASC	EP	02 46 25.0				68	292	.2	
24	AND	EP	02 46 26.8				86	296	-.5	
24	SSI	IP D	02 46 26.8	12.9	.1	3.12	81	335	.2	
24	RAT	IP	02 46 33.9				136	298	-.1	
24	3 19 9.37		52.12 N 179.43 E							DEPTH = 182.1 KM RAT ISLANDS, ALEUTIAN ISLANDS
24	SSI	IP	03 19 33.8				28	157	.1	
24	AND	EP	03 19 34.9				70	208	-.2	
24	ASC	EP	03 19 35.4				75	194	.0	
24	ASD	EP	03 19 35.5	5.6	.1	3.08	82	184	-.2	
24	IS		03 19 55.0						.1	
24	RAT	IP D	03 19 35.6				84	245	-.2	
24	ES		03 19 54.8						-.2	
24	ANA	EP	03 19 35.8				76	224	.4	
24	ASB	EP	03 19 36.0				86	188	.1	
24	AMA	EP	03 19 39.2				137	132	-.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	3 30	17.50	51.72 N 179.24 E	DEPTH = 14.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IP	03 30 22.7				27	228	-.1	
24	ASC	IP D	03 30 23.3				29	190	.1	
24	SSI	IP D	03 30 23.5				31	52	.1	
		IS	03 30 27.5						-.1	
24	ASD	IP D	03 30 24.3				38	169	-.1	
24	ASB	IP D	03 30 24.8	9.3	.1	2.69	40	179	-.0	
		IS	03 30 30.3						.1	
24	ANA	EP	03 30 25.1				41	255	.1	
24	RAT	IP	03 30 28.2				63	278	-.1	
.....										
24	4 28	24.92	51.48 N 178.36 W	DEPTH = 92.6 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	AMA	EP	04 28 40.2				56	248	.2	
		ES	04 28 50.9						-.2	
24	ASD	EP	04 28 50.1				160	267	-.1	
24	ASB	EP	04 28 50.9				167	266	-.1	
		ES	04 29 10.2						.2	
24	ASC	EP	04 28 51.6				171	270	.0	
.....										
24	4 29	59.07	51.74 N 179.79 E	DEPTH = 14.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	SSI	IP D	04 30 3.8				22	321	.1	
		IS	04 30 6.9						-.1	
24	ASD	IP C	04 30 7.8	33.0	.1	3.32	50	219	-.0	
24	ASC	IP	04 30 8.4				53	235	.1	
24	ASB	IP C	04 30 8.8				57	222	-.1	
		IS	04 30 16.0						.0	
24	AND	IP C	04 30 9.5				61	251	-.0	
24	ANA	IP C	04 30 12.4				79	261	.2	
24	AMA	IP	04 30 14.1				91	123	-.0	
24	RAT	IP	04 30 15.4				101	274	-.2	
.....										
24	5 44	49.72	51.57 N 179.78 E	DEPTH = 61.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	05 45 .4				37	237	.0	
		IS	05 45 8.0						-.1	
24	ASB	EP	05 45 .9				44	238	-.0	
24	ASC	EP	05 45 1.1				45	254	.1	
		IS	05 45 9.3						.1	
24	AND	IP	05 45 2.0				57	269	-.2	
24	ANA	EP	05 45 4.3				78	275	.0	
.....										
24	RAT	IP	06 03 45.1							
		ES	06 03 52.1							
24	ANA	IP C	06 03 49.9							
24	AND	IP D	06 03 52.7							
		IS	06 04 6.0							
24	ASC	EP	06 03 55.4							
24	ASB	EP	06 03 56.3	7.3	.2	2.82				
		IS	06 04 14.4							
24	ASD	EP	06 03 57.1	3.6	.2	2.53				
24	SSI	IP	06 03 57.8							
24	AMA	EP	06 04 11.3							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	8	3	19.00	63.24 N 149.21 W DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
				CENTRAL ALASKA						
.....										
.....										
24	9	2	42.89	50.99 N 179.97 E DEPTH = 20.3 KM			FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASD	EP	09 02 53.6	2.1	.1	2.22	63	316	-.1	
24	ASB	EP	09 02 54.3	3.6	.1	2.47	65	309	.2	
		ES	09 03 2.4						.1	
24	AMA	EP	09 02 55.2				72	62	.1	
		ES	09 03 3.9						-.1	
24	ASC	EP	09 02 55.9				77	313	.0	
24	AND	EP	09 02 58.3				96	312	-.3	
24	SSI	IP	09 03 0.0				104	345	.1	
24	RAT	EP	09 03 6.3				146	309	.1	
.....										
.....										
24	9	39	35.19	52.30 N 179.61 E DEPTH = 177.7 KM			FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	AND	IP	09 40 1.6				94	209	-.1	
24	ANA	EP	09 40 2.1				99	222	.1	
24	ASC	EP	09 40 2.1				98	199	.1	
24	ASD	EP	09 40 2.2	5.9	.1	3.11	103	191	-.0	
		ES	09 40 22.0						-.0	
24	RAT	IP D	09 40 2.3				104	238	-.0	
24	ASB	EP	09 40 2.5				107	194	-.1	
.....										
.....										
24	11	18	.92	51.17 N 178.72 E DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASB	EP	11 18 10.9				42	60	-.1	
		ES	11 18 18.1						-.2	
24	AND	EP	11 18 11.3				46	20	-.1	
24	ASC	EP	11 18 11.4				45	43	.2	
24	ASD	EP	11 18 11.7	1.4	.1	2.07	50	60	-.0	
		IS	11 18 19.7						.1	
.....										
.....										
24	12	54	58.19	51.21 N 178.27 E DEPTH = 34.4 KM			FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ANA	IP	12 55 8.7				54	30	.2	
24	AND	IP	12 55 9.4				62	50	-.1	
24	RAT	IP	12 55 10.0				66	3	-.1	
24	ASB	EP	12 55 10.5				70	76	-.2	
		ES	12 55 19.7						-.1	
24	ASD	EP	12 55 11.9				77	74	.2	
.....										
24	RAT	IP	18 11 28.3							
		IS	18 11 32.2							
24	ADK	EP D	18 28 50.1							
		ES	18 28 59.9							
24	AMA	IP	18 29 11.8							
		ES	18 29 27.3							
24	SSI	EP	18 29 21.4							
24	ASD	EP	18 29 24.2							
		ES	18 30 3.7							
24	ASB	EP	18 29 25.2							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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24	ASC	EP	18 29 26.0							
24	AND	EP	18 29 27.4							
24	ANA	EP	18 29 30.0							
24	RAT	IP	18 29 32.4							

..... TELESEISMIC SOLUTION

24	18 39 4.50	58.97 N 152.37 W	DEPTH = 49.0 KM	MB = 4.1	
		SOUTHERN ALASKA			

.....

..... FREE DEPTH SOLUTION

24	18 59 15.81	51.40 N 178.79 E	DEPTH = 41.2 KM		
		RAT ISLANDS, ALEUTIAN ISLANDS			

24	AND	EP	18 59 23.2			21	31	-0.0
24	ANA	EP	18 59 23.7			27	340	.0
24	ASB	EP	18 59 24.1			32	98	-0.0
		ES	18 59 30.2					.0
24	ASD	EP	18 59 24.8			38	91	.0
		IS	18 59 31.3					-0.0

.....

..... FREE DEPTH SOLUTION

24	19 58 10.86	52.03 N 179.48 E	DEPTH = 161.2 KM		
		RAT ISLANDS, ALEUTIAN ISLANDS			

24	SSI	IP	19 58 32.4			17	154	-0.0
24	AND	EP	19 58 33.8			64	215	-0.1
24	ASD	EP	19 58 34.0	3.6	.1	2.85	72	187
24	ASC	EP	19 58 34.2			67	199	.1
		IS	19 58 51.0					.0
24	ASB	EP	19 58 34.5			77	192	-0.1
24	RAT	IP C	19 58 34.7			83	252	-0.2
24	ANA	EP	19 58 34.8			72	231	.5
24	AMA	EP	19 58 38.2			128	130	.1

.....

..... TELESEISMIC SOLUTION

24	22 22 30.80	57.59 N 153.96 W	DEPTH = 36.0 KM	MB = 4.6	
		KODIAK ISLAND REGION			

.....

..... FIXED DEPTH SOLUTION

24	23 3 44.42	51.14 N 179.84 E	DEPTH = 50.0 KM		
		RAT ISLANDS, ALEUTIAN ISLANDS			

24	ASD	IP	23 03 53.9			44	309	-0.8
		IS	23 04 .7					-1.4
24	ASB	IP	23 03 54.1	9.0	.1	2.87	48	301
24	ASC	EP	23 03 55.6			59	307	-0.6
24	AND	IP	23 03 57.8			77	307	-0.6

.....

..... TELESEISMIC SOLUTION

24	23 22 15.60	50.90 N 177.39 W	DEPTH = 16.0 KM	MB = 4.6	
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS			

24	AMA	IP C	23 22 36.8	147.5	.2	4.03	128	291	.6
		ES	23 22 53.9						2.7
24	ADK	EP C	23 22 37.0				120	24	2.0
		ES	23 22 52.0						2.8
24	ASD	EP	23 22 50.3				235	285	-0.8
24	ASB	EP	23 22 51.3				241	284	-0.5
		ES	23 23 21.1						2.8
24	SSI	EP	23 22 51.7				238	299	.2
24	ASC	EP	23 22 52.5				249	286	-0.3
24	AND	EP	23 22 54.8				266	288	-0.1

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FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	GMA	EP	23 26 17.6				1871	24	4.5	
.....										
25	2 19 58.80		50.51 N 176.61 E				0.0 KM			FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP	02 20 29.0				187	39	-0.6	
25	AND	IP	02 20 32.0				202	54	.2	
25	ASB	IP	02 20 32.1				208	62	-0.6	
		ES	02 20 57.0						-0.4	
25	ASD	EP	02 20 33.1				215	62	-0.7	
25	SSI	IP	02 20 39.7				259	52	.5	
		IS	02 21 10.2						1.5	
25	AMA	IP D	02 20 46.4				313	72	.5	
.....										
25	3 56 9.52		51.96 N 178.41 E				122.7 KM			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP D	03 56 26.1				18	199	-0.3	
		ES	03 56 38.8						.1	
25	ANA	IP	03 56 27.2				40	155	.1	
25	AND	IP D	03 56 27.9				57	139	-0.0	
		ES	03 56 41.4						.1	
25	ASC	IP	03 56 29.2				75	136	.1	
25	SSI	IP	03 56 29.5				81	94	.1	
25	ASB	IP	03 56 30.0				88	139	.0	
		ES	03 56 44.6						-0.3	
25	ASD	IP	03 56 30.2				90	134	.1	
25	AMA	IP	03 56 39.3				187	112	-0.1	
.....										
25	6 40 44.30		52.13 N 169.49 W				32.0 KM			TELESEISMIC SOLUTION
FOX ISLANDS, ALEUTIAN ISLANDS										
25	CSA	EP	06 41 47.5				412	46		
25	ADK	EP	06 41 51.0				495	270		
		ES	06 42 48.1							
25	AMA	IP	06 42 12.6				671	266		
25	SSI	EP	06 42 23.9				750	272		
25	ASD	IP D	06 42 26.6	63.6	.1		775	268		
25	ASB	IP	06 42 27.5				782	268		
		ES	06 43 45.1							
25	ASC	EP	06 42 28.2				786	269		
25	AND	EP	06 42 29.5				799	270		
25	ANA	EP	06 42 32.2				817	271		
25	RAT	EP	06 42 34.7				838	272		
25	GMA	EP	06 44 5.5				1555	14		
.....										
25	ADK	EP	17 49 2.4							
		ES	17 49 9.9							
25	AMA	IP D	19 59 30.4							
25	ASD	IP	19 59 36.7	14.4	.1	3.26				
25	ASB	IP	19 59 37.3	23.5	.1	3.49				
		IS	19 59 50.0							
25	ASC	IP	19 59 38.1							
25	AND	IP	19 59 39.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	20 58	1.53	51.13 N 179.96 E	DEPTH = 41.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EP	20 58 11.8				52	304	-.3	
25	ASB	EP	20 58 12.9				56	298	.3	
		ES	20 58 20.7						.0	
25	ASC	EP	20 58 14.0				66	304	.0	
25	AND	EP	20 58 16.2				85	305	-.1	
25	SSI	IP	20 58 16.8				89	343	.1	
25	22 28	41.59	51.32 N 178.69 E	DEPTH = 30.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	AND	IP C	22 28 48.7				32	34	-.1	
25	ASC	EP	22 28 49.5				36	65	.2	
25	ASB	IP	22 28 49.6				39	84	.0	
		ES	22 28 55.4						-.0	
25	ASD	IP	22 28 50.4				46	80	-.1	
26	4 55	50.00	10.43 S 161.26 E	DEPTH = 90.0 KM MB = 5.9			TELESEISMIC SOLUTION			
			SOLOMON ISLANDS							
26	ADK	EP	05 06 22.0				7218	15		
26	6 33	26.51	51.52 N 178.87 E	DEPTH = 48.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	AND	IP C	06 33 34.1				7	54	.0	
26	ANA	IP	06 33 34.5				18	308	-.0	
26	ASC	IP	06 33 34.8				22	108	.1	
26	ASD	IP	06 33 35.8	7.8	.1	2.75	36	114	-.0	
		IS	06 33 42.5						-.1	
26	RAT	IP	06 33 37.0				48	310	-.0	
26	15 57	50.85	51.40 N 179.49 E	DEPTH = 54.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP	15 57 59.3				11	266	.1	
26	ASB	IP	15 57 59.6				18	256	.1	
		IS	15 58 5.5						-.3	
26	ASC	IP	15 58 0.0				24	288	.2	
26	AND	IP	15 58 .9				42	296	-.3	
26	SSI	IP	15 58 2.5				55	7	-.0	
26	RAT	IP C	15 58 6.5				92	299	-.2	
		ES	15 58 18.5						.3	
26	19 45	7.70	51.47 N 179.94 E	DEPTH = 65.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP C	19 45 19.0				42	259	-.1	
26	ASB	IP	19 45 19.8	8.1	.1	2.89	50	257	.1	
		ES	19 45 28.4						-.0	
26	SSI	IP	19 45 20.0				53	333	-.0	
		IS	19 45 29.1						.1	
26	ASC	IP	19 45 20.3				54	270	.2	
26	AND	EP	19 45 21.3				69	279	-.3	
26	RAT	IP	19 45 27.0				117	289	.1	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ADK	EP	20 11 12.4							
		ES	20 11 39.4							
.....										
26	22 4 47.87		51.07 N 179.22 E	DEPTH = 31.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	IP D	22 04 55.2	39.9	.1	3.34	32	3	.0	
		IS	22 05 .5						.0	
26	ASD	IP C	22 04 55.6	21.6	.1	3.10	36	13	-.1	
26	ASC	IP	22 04 56.7				44	355	.1	
26	AND	IP	22 04 58.3				58	341	-.2	
26	SSI	IP	22 05 3.8				95	15	.0	
26	RAT	IP	22 05 4.9				102	323	.0	
.....										
26	ADK	EP	22 12 2.5							
		ES	22 12 13.5							
.....										
27	0 40 52.75		51.72 N 179.22 E	DEPTH = 24.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	IP	00 40 58.6				26	227	-.0	
27	ASC	IP	00 40 59.1				29	188	.1	
27	ASD	IP	00 41 .1				38	167	-.0	
27	ASB	IP	00 41 .5	4.8	.1	2.44	40	178	.0	
		IS	00 41 6.1						-.0	
.....										
27	ASB	IP	00 51 35.9	8.4	.1	2.70				
		IS	00 51 41.2							
27	ASC	IP	00 51 36.4							
27	AND	IP	00 51 36.4							
27	ASB	IP	00 51 36.9							
.....										
27	1 30 47.41		51.41 N 179.43 E	DEPTH = 22.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IP	01 30 51.3	3.6	.1	2.04	6	246	-.0	
27	ASB	EP	01 30 51.8				14	245	-.0	
		IS	01 30 55.0						-.0	
27	ASC	IP	01 30 52.3				19	287	-.0	
.....										
27	5 32 31.65		51.34 N 178.69 E	DEPTH = 36.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	IP D	05 32 39.3				30	37	-.0	
27	ASC	EP	05 32 40.1				36	68	.2	
27	ASB	EP	05 32 40.4				39	87	.2	
		ES	05 32 46.3						-.2	
27	ASD	EP	05 32 40.9				46	83	-.2	
27	RAT	E(P)	05 32 42.3	6.7	.1	2.73	56	334	-.1	
		E(S)	05 32 50.4						.1	
.....										
27	ASD	EP	08 54 36.2							
		IS	08 54 54.9							
27	AMA	IP D	10 21 15.1	35.9	.1	3.69				
		ES	10 21 28.3							
27	ADK	EP	10 21 16.0							
		ES	10 21 27.8							
27	ASD	EP	10 21 29.2							
		ES	10 21 53.0							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASC	EP	10 21 31.9							
27	AND	EP	10 21 35.0							
27	RAT	EP	10 21 40.8	39.9	.2					
27	ADK	IP C	13 04 1.7							
		IS	13 04 11.5							
27	AMA	EPN	13 04 22.3							(LG) AT 1304519
		EPG	13 04 23.8	136.7	.2					
		E(S)	13 04 49.5							
27	ASD	IP	13 04 35.1							LARGE
27	ASB	EP	13 04 36.0							
		ES	13 05 10.7							
27	ASC	EP	13 04 36.7							
27	AND	EP	13 04 38.0							
27	ANA	EP	13 04 40.9							
27	RAT	EP	13 04 43.1	264.4	.4					LARGE
27	GMA	EP	13 07 30.5							
27	ADK	EP	14 18 51.4							
		ES	14 19 18.0							
27	AMA	EP	14 19 7.7	129.5	.3					
27	ASD	IP	14 19 17.3	20.2	.1					REGIONAL
		ES	14 20 3.8							
27	ASB	EP	14 19 18.2							
27	ASC	EP	14 19 18.6							
27	AND	IP	14 19 19.4							
27	ANA	IP	14 19 23.4							
27	RAT	EP	14 19 23.6	60.7	.2					
27	RAT	IPGC	15 03 9.8							WHITE OUT
		IS	15 03 19.5							
27	ANA	IP C	15 03 12.4							LARGE
27	AND	IP C	15 03 14.8							
27	ASC	IP	15 03 16.8							
27	ASB	IP	15 03 17.3							
		IS	15 03 36.7							
27	ASD	EP	15 03 18.1							
27	AMA	IP	15 03 33.3	120.2	.2					LARGE
.....										
27	15 58 24.10	51.83 N 177.93 W DEPTH = 33.0 KM								TELESEISMIC SOLUTION
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
27	ADK	EP	15 58 39.5				86	85	.7	
		ES	15 58 51.6						2.1	
27	AMA	IP C	15 58 40.7	111.6	.1	4.13	101	234	-.3	
		IS	15 58 53.6						.3	
27	ASD	IP	15 58 52.3	11.1	.1	3.37	195	257	-.8	
27	ASB	IP	15 58 53.4				202	256	-.6	
		ES	15 59 15.3						-.6	
27	ASC	IP	15 58 54.1				205	260	-.3	
27	AND	IP	15 58 55.5				217	263	-.4	
27	ANA	IP	15 58 58.4				236	266	.2	
27	RAT	EP	15 59 .7	18.3	.1		257	271	-.2	
.....										
27	ASD	IP C	17 14 2.7	6.7	.1					
27	ASB	EP	17 14 3.8							
27	ASC	EP	17 14 4.3							
27	AND	EP	17 14 5.8							
27	ASB	IP	17 37 54.6	20.9	.1					
27	ASD	IP	17 37 55.1							
27	ASC	EP	17 37 55.8							
27	AND	EP	17 37 57.7							
27	AMA	EP	17 38 7.4	56.8	.3					
		ES	17 38 29.8							
27	AMA	IPGD	18 38 29.0	125.9	.2	3.51				

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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27	ASD	ES	18 38 33.5							
27	ASB	IP	18 38 39.9							
27	ASB	EP	18 38 40.6							
27	ASB	ES	18 38 54.6							
27	ASC	EP	18 38 41.3							
27	AND	EP	18 38 43.8							
27	RAT	EP	18 38 51.7							

QP

27	RAT	IPGD	18 57 15.1	64.6	.1					
27		IS	18 58 17.1							
27	AND	IP	18 57 23.1							
27		IS	18 57 30.7							
27	ASC	EP	18 57 26.6							
27	ASD	EP	18 57 28.8	2.1	.1					

RAT LOCAL

27	19 2 44.90	52.08 N 173.25 E	DEPTH = 33.0 KM	MB = 4.8	TELESEISMIC SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS			

27	SMY	EP	19 03 1.4			93	38	.7		
27	RAT	IP	19 03 33.0	710.7	.4	350	93	-.2		
27		I(S)	19 04 9.7					1.3		
27	ANA	IP	19 03 35.9			376	96	-.4		TELESEISMIC
27	AND	IP	19 03 38.6			397	96	-.3		
27	ASC	EP	19 03 40.5			413	97	-.4		
27	ASB	EP	19 03 41.5			421	99	-.4		
27	ASD	IP	19 03 42.6			427	98	-.0		
27	AMA	E(P)	19 04 6.6			535	96	10.7		
27	ADK	E(P)	19 04 24.0			690	88	8.9		
27	GMA	EP	19 07 1.5			2080	34	-5.3		

27	ASD	IP	19 26 39.7							
27		IS	19 26 45.0							
27	ASC	EP	19 26 40.9							
27	AND	EP	19 26 42.5							

27	AMA	IPGD	20 16 52.5	8.8	.1	2.72				
27		ES	20 16 57.9							
27	ASD	IP	20 17 13.6	8.8	.1	2.90				
27	ASB	IP	20 17 14.8	9.1	.1	2.96				
27		ES	20 17 24.2							
27	ASC	IP	20 17 15.7							
27	AND	IP	20 17 17.9							

27	20 41 14.50	51.15 N 178.26 W	DEPTH = 37.0 KM	MB = 4.4	TELESEISMIC SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS			

27	AMA	IP D	20 41 25.8			61	285	-.2		WHITE OUT
27	ADK	IP C	20 41 36.2			136	53	.2		
27		IS	20 41 51.5					-.2		
27	ASD	EP	20 41 39.3			169	280	-.8		WHITE OUT
27	ASB	EPN	20 41 40.2	782.1	.4	4.58	175	279	-.6	REGIONAL
27		EPG	20 41 42.3							
27	ASC	EP	20 41 41.4			183	282	-.3		
27	AND	EP	20 41 43.8			199	284	.0		
27	ANA	EP	20 41 46.8			221	285	.4		
27	RAT	IP	20 41 49.7			247	288	-.0		

27	ADK	IP D	23 54 11.6							
27		IS	23 54 18.6							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	23 58	56.29	51.53 N 179.71 E	DEPTH = 88.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPGD	23 59 9.4	6.3	.1	2.83	30	239	-.1	
		I(S)	23 59 19.1						-.0	
27	ASB	EPG	23 59 9.7	8.6	.1	2.98	38	240	-.1	
		IS	23 59 19.8						.1	
27	SSI	EP	23 59 10.0	10.3	.1	3.06	41	348	-.0	
27	ASC	IPGD	23 59 10.1				39	259	.2	
27	AND	IPG	23 59 10.7				53	274	-.1	
27	ANA	IPGD	23 59 12.5				74	279	.1	
27	AMA	E(P)	23 59 13.6	8.1	.1	3.05	86	108	.0	
.....										
28	5 19	42.70	59.12 N 151.91 W	DEPTH = 52.0 KM MB = 3.5			TELESEISMIC SOLUTION			
KENAI PENINSULA, ALASKA										
.....										
28	5 20	8.22	51.15 N 179.40 E	DEPTH = 33.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP	05 20 15.1	9.7	.1	2.70	26	336	.0	
		IS	05 20 20.1						-.0	
28	ASD	IP D	05 20 15.2				27	352	-.0	
28	ASC	IP	05 20 16.6				38	335	.1	
28	AND	IP	05 20 18.6				55	326	-.1	
.....										
28	ADK	IP	06 41 2.5							
		IS	06 41 12.1							
.....										
28	7 2	45.66	51.30 N 179.64 E	DEPTH = 27.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASD	IP C	07 02 51.4	17.9	.1	2.90	23	297	-.2	
		IS	07 02 55.9						.0	
28	ASB	IP	07 02 52.2				28	284	.1	
28	ASC	IP D	07 02 53.6				38	299	.3	
28	AND	EP	07 02 55.6				56	302	-.2	
28	SSI	IP	07 02 57.3				66	357	.0	
.....										
28	7 17	52.78	51.57 N 179.45 W	DEPTH = 77.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
28	AMA	IP	07 18 5.1				39	143	-.0	
		IS	07 18 14.2						.1	
28	SSI	IP	07 18 8.1				76	299	-.0	
28	ASD	IP	07 18 9.1	8.8	.1	3.06	86	257	-.1	
		IS	07 18 21.2						.1	
28	ASB	EP	07 18 9.8				93	256	-.1	
		ES	07 18 22.3						-.1	
28	ASC	EP	07 18 10.5				97	264	.2	
28	AND	EP	07 18 11.8				111	270	.0	
.....										
28	7 21	38.30	51.32 N 177.03 W	DEPTH = 56.0 KM MB = 4.9			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
28	ADK	IP D	07 21 51.6				68	21	.2	
		IS	07 22 3.7						2.8	
28	AMA	IP D	07 21 59.7				145	270	-.8	

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 28	ASD	IP	07 22 13.6				252	273	-.2	LARGE
. 28	SSI	IP D	07 22 14.1				243	287	1.6	
. 28	ASB	IP	07 22 14.6				259	273	.0	
.		I	07 22 57.1							
. 28	ASC	EP	07 22 15.7				265	275	.4	
. 28	AND	EP	07 22 18.2				280	277	1.0	
. 28	ANA	EP	07 22 20.5				301	278	.8	
. 28	RAT	IP	07 22 24.1				326	281	1.3	
. 28	GMA	EP	07 25 29.0				1818	24	2.1	

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. 28 8 27 17.50 52.82 N 171.45 E DEPTH = 24.0 KM MB = 4.6 TELESEISMIC SOLUTION
NEAR ISLANDS, ALEUTIAN ISLANDS

. 28	SMY	EP	08 27 45.7				180	92		
. 28	RAT	IPN	08 28 22.0				483	101		
.		IPG	08 28 25.7							
.		ES	08 29 18.1							
. 28	ANA	EP	08 28 31.7				511	102		REGIONAL
. 28	AND	EP	08 28 33.2				532	102		
. 28	ASD	EP	08 28 33.9				564	103		
. 28	SSI	EP	08 28 37.6				564	97		
. 28	ADK	EP	08 29 7.2				815	93		
. 28	GMA	EP	08 31 36.1				2075	37		

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. 28 13 29 58.36 51.08 N 179.96 E DEPTH = 33.9 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

. 28	ASD	IP D	13 30 9.0	49.8	.1	3.58	55	308	.2	
. 28	ASB	IP C	13 30 9.1				59	302	-.2	
.		ES	13 30 16.6						-.6	
. 28	AMA	IP	13 30 10.5				69	70	-.1	
. 28	ASC	IP D	13 30 11.2				70	307	.4	
. 28	AND	IP	13 30 13.6				88	308	.2	
. 28	SSI	IP	13 30 14.3				94	344	.1	
. 28	ANA	IP	13 30 16.4				109	304	-.1	
. 28	RAT	EP	13 30 20.3				139	306	-.1	

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. 28 14 38 43.07 51.42 N 179.27 E DEPTH = 61.5 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

. 28	ASD	IP	14 38 52.2	5.3	.1	2.59	6	119	-.0	
. 28	ASB	IP	14 38 52.3				6	194	.0	
.		IS	14 38 59.0						.1	
. 28	ASC	IP	14 38 52.3				9	306	.0	
. 28	AND	IP	14 38 52.9				27	307	-.1	
. 28	ANA	IP	14 38 54.7				48	299	.1	
. 28	SSI	IP	14 38 55.5				57	23	.0	

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28	ASD	IP	15 44 12.4	10.5	.1	2.91				
28	ASB	EP	15 44 12.7							
28	ASC	IP	15 44 14.5							
		ES	15 44 23.1							
28	AND	IP	15 44 17.7							

.....

. 28 18 33 44.70 53.50 N 150.60 W DEPTH = 109.0 KM MB = 3.7 TELESEISMIC SOLUTION
CENTRAL ALASKA

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28	RAT	IP	22 01 29.3							
		ES	22 01 48.7							
28	ANA	IP	22 01 32.5							
		ES	22 01 56.3							

FEB 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	AND	IP	22 01 34.6							
28	ASD	EP	22 01 39.9							

28	22 25 9.18	51.12 N 179.42 E	DEPTH = 34.0 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

28	ASB	IP D	22 25 16.4	29	336	-.0
28	ASD	IP	22 25 16.5	30	350	-.0
		ES	22 25 21.9			-.0
28	ASC	IP	22 25 18.0	42	335	.1
28	AND	IP C	22 25 20.0	59	327	-.1

28	SSI	IP	22 48 1.1			
28	ASD	IP D	22 48 4.6	5.9	.1	2.66
28	ASB	IP	22 48 5.7			
		ES	22 48 13.7			
28	ASC	EP	22 48 5.8			
28	AND	IP	22 48 6.7			
28	ANA	IP	22 48 9.8			
28	RAT	EP	22 48 12.9			
		ES	22 48 26.9			

FEB HYPOCENTER SUMMARY

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	3 33 4.78	52.12 N	179.60 E	177.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	5 18 35.59	51.36 N	178.75 E	40.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	5 19 23.40	51.67 N	172.95 W	40.0 T	5.5	5.8	ANDREANOF ISLANDS, ALEUTIAN IS.
01	7 36 54.40	51.88 N	172.94 W	48.0 T	3.9		ANDREANOF ISLANDS, ALEUTIAN IS.
01	10 57 14.11	51.46 N	179.23 E	68.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 54 33.64	50.97 N	179.35 W	26.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	13 59 54.59	51.43 N	178.97 E	35.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	14 42 41.30	51.82 N	178.00 E	78.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
1	14 59 12.60	62.33 N	145.68 W	15.0 T	4.6		CENTRAL ALASKA
01	15 39 37.47	51.50 N	179.85 E	68.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	16 44 31.55	50.97 N	179.76 W	33.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	17 40 46.26	50.18 N	177.99 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	18 20 33.28	51.54 N	179.19 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	20 46 50.96	51.21 N	179.98 W	55.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	0 27 9.50	51.77 N	173.21 W	50.0 T	4.2		ANDREANOF ISLANDS, ALEUTIAN IS.
02	0 48 55.30	51.76 N	173.16 W	40.0 T	5.2		ANDREANOF ISLANDS, ALEUTIAN IS.
02	2 10 33.01	51.20 N	179.43 E	39.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
2	2 16 30.30	62.23 N	151.15 W	79.0 T	3.5		CENTRAL ALASKA
02	2 44 58.42	51.58 N	177.98 E	56.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 29 13.40	35.21 N	141.01 E	51.0 T	4.0		NEAR EAST COAST OF HONSHU, JAPAN
02	12 18 28.82	51.20 N	178.92 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	15 52 32.01	51.87 N	175.79 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 6 31.21	51.08 N	178.11 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 53 15.10	51.88 N	173.36 W	45.0 T	4.3		ANDREANOF ISLANDS, ALEUTIAN IS.
02	21 22 10.58	52.22 N	178.49 E	169.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	9 24 59.44	51.20 N	178.45 E	17.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	16 35 18.40	51.74 N	173.28 W	60.0 T	4.0		ANDREANOF ISLANDS, ALEUTIAN IS.
4	7 31 17.10	59.79 N	151.85 W	95.0 T			KENAI PENINSULA, ALASKA
04	9 59 15.09	50.36 N	179.36 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	13 15 43.63	51.07 N	179.44 W	30.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	13 18 19.42	51.07 N	179.41 W	34.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
04	13 40 15.42	51.06 N	179.43 W	30.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	15 33 28.60	.65 N	98.84 E	33.0 T	6.3	7.1	NORTHERN SUMATRA
04	16 2 15.53	50.95 N	179.23 W	64.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	20 9 59.95	51.73 N	179.38 E	79.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	0 44 17.72	51.80 N	179.40 E	191.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	4 51 55.12	51.30 N	179.92 E	25.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	6 0 29.77	51.64 N	178.91 E	75.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 28 14.75	51.58 N	178.10 E	66.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
5	7 33 29.10	51.77 N	130.78 W	33.0 T	5.1	5.7	QUEEN CHARLOTTE ISLANDS REGION
05	10 30 29.90	51.03 N	179.32 E	45.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
05	16 28 47.78	52.09 N	179.62 E	175.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	17 54 23.88	51.55 N	179.93 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 7 38.34	51.41 N	179.38 E	61.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	22 16 25.36	52.02 N	179.87 W	164.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	3 33 14.97	51.71 N	178.67 E	75.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
6	9 41 5.60	59.94 N	152.51 W	150.0 T			SOUTHERN ALASKA
06	12 26 6.20	51.25 N	179.95 W	38.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
6	19 57 10.50	59.28 N	152.52 W	150.0 T			SOUTHERN ALASKA
06	21 47 26.21	51.53 N	178.42 E	64.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	2 29 28.20	51.36 N	176.72 W	50.0 T	6.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	2 42 4.50	51.16 N	177.08 W	49.0 T	5.8		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	2 50 49.30	51.13 N	177.05 W	33.0 T	4.9		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	2 53 9.10	51.20 N	176.92 W	33.0 T	5.4		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 0 39.20	51.36 N	177.12 W	51.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 3 18.30	51.75 N	177.26 W	52.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 7 41.90	51.42 N	177.35 W	100.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 12 5.80	51.23 N	176.83 W	59.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 18 57.30	51.11 N	177.00 W	33.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 19 12.20	51.21 N	176.96 W	21.0 T	5.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 20 59.90	51.11 N	177.00 W	43.0 T	5.4		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 39 7.30	51.06 N	177.12 W	51.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
07	4 1 58.50	51.21 N	177.09 W	57.0 T	4.7		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	5 8 44.60	51.32 N	176.88 W	60.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	8 19 19.30	51.70 N	177.15 W	57.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	12 14 42.04	51.17 N	178.60 E	25.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	12 17 57.78	52.09 N	178.51 E	164.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	12 39 27.10	51.06 N	177.11 W	33.0 T	4.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	16 34 41.00	51.11 N	176.83 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	16 40 33.92	51.76 N	179.92 E	106.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	18 54 5.69	51.53 N	179.90 E	3.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	21 11 27.70	52.69 N	170.58 W	62.0 T	4.6		FOX ISLANDS, ALEUTIAN ISLANDS
07	21 47 54.30	51.70 N	179.94 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	23 24 28.40	50.78 N	176.16 W	21.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	23 34 12.80	51.17 N	176.66 W	48.0 T	4.4		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	23 45 25.70	51.49 N	176.77 W	61.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	0 4 30.90	51.18 N	176.65 W	48.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	1 3 14.40	51.46 N	176.64 W	64.0 T	4.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	1 43 41.93	51.73 N	179.12 E	82.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	2 29 11.40	51.29 N	178.83 W	44.0 T	5.2		DELAROF ISLANDS, ALEUTIAN ISLANDS
08	4 0 5.20	51.47 N	176.66 W	65.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	4 43 .50	51.38 N	177.00 W	54.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	6 39 17.80	51.30 N	176.53 W	52.0 T	4.4		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	7 5 38.90	50.86 N	177.07 W	33.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	7 12 34.89	51.61 N	178.89 E	82.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
8	8 49 47.30	59.83 N	153.68 W	151.0 T	5.0		SOUTHERN ALASKA
08	9 24 36.30	63.03 N	150.36 W	202.0 T			CENTRAL ALASKA
08	13 44 40.18	51.32 N	178.48 E	54.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	14 35 52.18	50.27 N	178.84 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	19 21 11.90	51.20 N	176.78 W	42.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
08	21 4 21.80	63.45 S	61.21 W	33.0 T	6.3	7.0	SOUTH SHETLAND ISLANDS
09	2 27 32.71	51.10 N	179.27 E	38.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	2 37 59.75	51.22 N	179.92 E	21.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
09	4 47 58.89	51.23 N	179.97 W	40.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	14 0 41.60	34.40 N	118.39 W	13.0 T	6.2	6.5	SOUTHERN CALIFORNIA
09	14 47 6.80	51.40 N	178.60 E	52.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
09	18 20 .20	51.26 N	178.29 W	36.0 T	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
09	19 9 59.17	52.07 N	178.90 E	34.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 45 47.33	50.98 N	179.47 W	34.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	23 57 12.15	51.19 N	179.40 E	42.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	5 40 54.50	51.86 N	177.62 W	106.0 T	3.8		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	8 24 24.55	51.72 N	179.96 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	10 7 5.20	51.26 N	176.98 W	46.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	10 32 10.90	50.57 N	176.76 W	36.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	16 33 11.89	51.42 N	178.79 E	42.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	18 11 3.45	51.66 N	179.70 W	24.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	21 39 30.36	51.87 N	178.61 E	79.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	0 13 55.90	60.10 N	147.25 W	24.0 T	4.2		SOUTHERN ALASKA
11	5 57 7.90	59.92 N	147.56 W	33.0 T			GULF OF ALASKA
11	8 36 9.90	51.24 N	176.68 W	33.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
11	8 45 40.00	60.20 N	151.76 W	107.0 T			KENAI PENINSULA, ALASKA
11	9 46 53.57	52.01 N	177.94 E	124.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	10 36 59.60	51.82 N	173.52 W	43.0 T	3.8		ANDREANOF ISLANDS, ALEUTIAN IS.
11	10 44 24.25	51.63 N	179.24 E	70.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	11 8 13.99	51.42 N	178.78 E	44.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	12 18 33.80	50.67 N	175.74 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
11	12 55 53.80	51.22 N	177.22 W	50.0 T	5.5	5.2	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
11	14 21 51.15	51.24 N	179.65 E	59.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	15 15 51.20	51.80 N	179.26 W	107.0 T	3.3		DELAROF ISLANDS, ALEUTIAN ISLANDS
11	18 24 4.68	51.47 N	179.44 E	62.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	21 16 48.05	51.31 N	179.28 E	34.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	21 31 18.29	51.26 N	179.79 W	30.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	4 35 29.10	51.25 N	177.34 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
12	5 16 35.70	51.26 N	179.11 W	40.0 T	4.8		DELAROF ISLANDS, ALEUTIAN ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
12	5 49 16.70	50.89 N	179.09 W	27.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	7 52 33.10	50.63 N	176.77 W	41.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
12	9 12 15.23	51.86 N	179.61 W	115.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	10 2 59.48	51.25 N	179.80 E	46.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	11 27 26.78	51.49 N	178.66 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	15 9 10.90	50.74 N	178.51 E	17.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
12	15 52 7.87	52.20 N	178.07 E	141.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	17 17 55.61	51.73 N	179.91 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	19 35 37.11	51.08 N	179.02 E	26.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 15 52.76	51.13 N	179.07 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	21 28 52.10	51.07 N	178.97 E	11.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	23 25 56.94	51.16 N	178.53 E	35.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	0 38 19.23	52.25 N	179.64 E	152.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 10 50.11	51.18 N	178.47 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS.
13	17 29 52.90	51.08 N	179.47 W	34.2 F	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
13	17 30 13.50	51.94 N	175.60 W	33.0 T	4.3		ANDREANOF ISLANDS, ALEUTIAN IS.
13	17 39 55.55	51.50 N	178.38 E	57.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	18 21 18.88	52.04 N	179.69 E	191.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	21 13 47.69	51.68 N	179.24 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	2 46 2.39	51.06 N	179.49 W	33.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	5 14 49.55	51.21 N	178.65 E	40.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	5 42 39.67	51.42 N	179.84 E	57.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	9 8 10.49	51.58 N	179.35 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	12 58 20.10	51.68 N	175.24 W	84.0 T	4.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
14	15 42 42.23	51.20 N	178.58 E	33.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	16 15 55.10	52.14 N	178.89 W	196.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	22 19 46.50	49.93 N	176.22 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
14	22 23 53.38	51.99 N	179.60 E	159.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	22 55 43.90	51.71 N	178.98 E	116.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 39 18.07	51.09 N	179.26 E	38.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	0 52 28.10	50.67 N	176.59 W	40.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	3 45 47.93	50.29 N	177.66 E	39.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	4 6 59.10	50.89 N	176.50 E	2.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	4 54 12.53	51.41 N	178.80 E	45.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	5 56 53.30	51.68 N	179.27 E	82.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	7 51 2.60	25.22 S	178.35 E	584.0 T	5.7		SOUTH OF FIJI ISLANDS
15	9 5 40.34	50.96 N	177.15 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
15	13 37 24.93	51.72 N	177.97 E	65.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	17 35 36.70	61.43 N	149.92 W	33.0 T			SOUTHERN ALASKA
16	2 21 22.30	50.95 N	179.21 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	4 30 15.99	51.57 N	179.30 W	27.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	5 27 35.78	52.07 N	178.93 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	6 47 55.80	52.04 N	178.91 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	9 37 5.60	51.31 N	177.56 W	47.0 T	3.7		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	14 47 54.80	52.03 N	179.90 E	257.0 T	3.4		RAT ISLANDS, ALEUTIAN ISLANDS
16	16 34 58.36	51.17 N	178.03 W	23.7 F			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	18 58 14.40	51.47 N	177.63 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	21 31 35.90	50.85 N	179.91 W	29.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	12 22 31.46	51.15 N	179.23 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	16 54 49.51	51.40 N	179.63 W	64.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	17 9 16.50	49.94 N	178.87 W	33.0 T	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
17	17 55 45.35	52.13 N	179.63 E	175.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	17 56 40.83	51.42 N	179.48 W	38.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	23 55 23.21	51.34 N	179.55 E	58.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	1 29 1.57	51.29 N	178.55 E	33.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	2 22 39.33	52.04 N	178.28 E	139.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	2 45 55.65	51.18 N	178.50 E	26.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 20 43.42	50.41 N	177.88 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 23 20.95	51.19 N	178.52 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 31 9.99	50.37 N	178.32 E	20.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	4 12 54.59	51.69 N	179.54 E	25.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	7 20 46.40	51.54 N	179.00 E	17.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
18	7 53 1.67	51.53 N	177.82 E	77.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	8 11 5.37	51.21 N	179.58 E	33.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	8 14 17.23	51.27 N	179.75 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	9 56 49.31	52.00 N	179.48 E	178.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	13 50 1.33	51.74 N	179.62 E	96.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	14 38 14.11	51.18 N	178.39 E	20.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	15 56 50.10	60.46 N	153.33 W	145.0 T	4.4		SOUTHERN ALASKA
18	19 0 42.36	51.48 N	179.17 E	32.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	19 43 16.30	51.71 N	179.35 W	96.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	22 36 24.80	50.41 N	179.30 W	37.0 T	4.1		DELAROF ISLANDS, ALEUTIAN ISLANDS
18	22 52 4.82	53.07 N	178.45 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	22 58 21.18	52.04 N	179.47 E	181.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	23 15 39.40	51.10 N	179.03 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	23 28 26.13	51.04 N	179.85 W	22.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	1 41 38.00	51.52 N	179.38 W	75.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	4 43 43.80	63.21 N	150.47 W	115.0 T	4.0		CENTRAL ALASKA
19	5 46 15.99	50.98 N	179.32 W	34.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	7 8 41.64	51.60 N	179.79 W	81.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	9 1 46.45	51.67 N	178.52 E	84.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	10 2 54.80	52.52 N	178.80 E	144.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	12 59 22.54	51.99 N	178.27 E	137.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	14 31 39.00	67.37 N	162.70 W	2.0 T	5.3		ALASKA
19	18 59 26.34	51.78 N	178.66 E	82.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	20 35 1.34	51.09 N	179.93 W	36.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	23 35 52.21	51.58 N	179.50 E	71.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 36 24.06	51.90 N	179.22 W	34.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	10 12 48.15	51.22 N	178.52 E	8.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 45 28.10	50.93 N	178.11 W	9.0 T	4.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	21 54 16.34	51.05 N	179.36 E	32.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	0 5 11.98	51.91 N	179.26 W	33.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	0 48 27.31	51.28 N	179.90 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
21	5 26 35.60	52.19 N	179.45 E	185.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	10 35 20.10	23.85 S	67.16 W	169.0 T	6.3		CHILE-ARGENTINA BORDER REGION
21	16 8 9.10	62.57 N	151.35 W	91.0 T	4.2		CENTRAL ALASKA
21	16 36 18.03	51.70 N	179.25 E	9.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	16 40 2.05	51.40 N	179.99 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	17 5 19.46	51.44 N	178.78 E	45.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	17 9 57.62	51.24 N	178.47 E	42.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	18 10 34.60	63.08 N	150.35 W	115.0 T	4.7		CENTRAL ALASKA
21	19 19 26.19	52.43 N	178.40 E	152.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	21 20 52.08	50.93 N	177.61 E	13.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 12 24.10	51.61 N	178.40 E	22.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 47 35.55	50.94 N	177.68 E	13.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	0 17 35.07	51.66 N	178.58 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	0 17 42.51	51.58 N	178.61 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	1 37 48.35	51.43 N	177.32 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	3 20 43.72	51.31 N	177.31 E	14.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	4 18 53.36	51.45 N	179.69 E	17.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 22 45.75	51.44 N	179.25 E	34.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 35 30.44	51.09 N	179.17 E	25.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	6 10 56.32	51.36 N	179.21 E	36.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	7 25 46.34	51.21 N	178.45 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	8 54 29.50	50.17 N	178.62 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	11 18 8.35	51.35 N	179.00 E	28.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	11 18 50.13	50.02 N	179.94 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	12 14 55.18	52.24 N	179.87 W	176.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	12 50 54.31	51.07 N	178.55 E	29.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	15 44 11.57	51.15 N	178.75 E	33.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	17 20 31.41	50.55 N	177.84 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 24 49.32	51.94 N	178.42 E	129.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 58 28.70	62.96 N	152.33 W	33.0 T			CENTRAL ALASKA
22	19 33 22.42	52.09 N	179.72 E	180.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

FEB HYPOCENTER SUMMARY

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
23	0 22 55.30	51.40 N	178.76 E	39.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	1 59 35.31	51.82 N	179.45 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	3 28 24.33	51.07 N	179.97 W	35.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	6 26 34.69	51.67 N	178.56 W	79.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	7 46 42.46	51.54 N	179.48 W	27.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	8 54 51.69	51.51 N	179.52 W	18.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	9 2 47.55	51.53 N	179.49 W	27.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	11 58 7.78	50.37 N	178.37 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	12 36 51.86	51.42 N	179.24 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	15 25 13.61	51.79 N	177.57 E	107.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	15 27 4.47	51.98 N	178.43 E	112.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	15 55 10.09	51.18 N	179.80 W	30.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	17 19 43.12	50.66 N	176.91 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	19 30 24.10	51.10 N	176.91 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
23	20 36 56.38	51.19 N	179.49 W	24.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	23 26 39.95	51.84 N	178.16 E	111.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	23 44 40.95	51.84 N	178.37 E	91.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	2 46 12.45	51.23 N	179.92 W	36.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	3 19 9.37	52.12 N	179.43 E	182.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 30 17.50	51.72 N	179.24 E	14.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	4 28 24.92	51.48 N	178.36 W	92.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	4 29 59.07	51.74 N	179.79 E	14.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	5 44 49.72	51.57 N	179.78 E	61.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	8 3 19.00	63.24 N	149.21 W	33.0 T			CENTRAL ALASKA
24	9 2 42.89	50.99 N	179.97 E	20.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	9 39 35.19	52.30 N	179.61 E	177.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	11 18 .92	51.17 N	178.72 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	12 54 58.19	51.21 N	178.27 E	34.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	18 39 4.50	58.97 N	152.37 W	49.0 T	4.1		SOUTHERN ALASKA
24	18 59 15.81	51.40 N	178.79 E	41.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	19 58 10.86	52.03 N	179.48 E	161.2 F			RAT ISLANDS, ALEUTIAN ISLANDS

FEB HYPOCENTER SUMMARY

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FEB 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	22 22 30.80	57.59 N	153.96 W	36.0 T	4.6		KODIAK ISLAND REGION
24	23 3 44.42	51.14 N	179.84 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	23 22 15.60	50.90 N	177.39 W	16.0 T	4.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	2 19 58.80	50.51 N	176.61 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 56 9.52	51.96 N	178.41 E	122.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	6 40 44.30	52.13 N	169.49 W	32.0 T	5.3		FOX ISLANDS, ALEUTIAN ISLANDS
25	20 58 1.53	51.13 N	179.96 E	41.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	22 28 41.59	51.32 N	178.69 E	30.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 55 50.00	10.43 S	161.26 E	90.0 T	5.9		SOLOMON ISLANDS
26	6 33 26.51	51.52 N	178.87 E	48.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 57 50.85	51.40 N	179.49 E	54.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 45 7.70	51.47 N	179.94 E	65.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	22 4 47.87	51.07 N	179.22 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 40 52.75	51.72 N	179.22 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	1 30 47.41	51.41 N	179.43 E	22.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	5 32 31.65	51.34 N	178.69 E	36.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	15 58 24.10	51.83 N	177.93 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	19 2 44.90	52.08 N	173.25 E	33.0 T	4.8		RAT ISLANDS, ALEUTIAN ISLANDS
27	20 41 14.50	51.15 N	178.26 W	37.0 T	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
27	23 58 56.29	51.53 N	179.71 E	88.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	5 19 42.70	59.12 N	151.91 W	52.0 T	3.5		KENAI PENINSULA, ALASKA
28	5 20 8.22	51.15 N	179.40 E	33.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	7 2 45.66	51.30 N	179.64 E	27.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	7 17 52.78	51.57 N	179.45 W	77.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	7 21 38.30	51.32 N	177.03 W	56.0 T	4.9		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
28	8 27 17.50	52.82 N	171.45 E	24.0 T	4.6		NEAR ISLANDS, ALEUTIAN ISLANDS
28	13 29 58.36	51.08 N	179.96 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 38 43.07	51.42 N	179.27 E	61.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	18 33 44.70	63.50 N	150.60 W	109.0 T	3.7		CENTRAL ALASKA
28	22 25 9.18	51.12 N	179.42 E	34.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY MAPS

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 MAPS COVERING THE ALEUTIAN ISLANDS FROM THE NEAR ISLANDS TO UNIMAK ISLAND (170 DEGREES EAST LONGITUDE TO 160 DEGREES WEST LONGITUDE).

THE BASE MAPS ARE MODIFIED VERSIONS OF LARGE PLATES PUBLISHED BY THE NATIONAL OCEAN SURVEY AS PART OF ESSA MONOGRAPH NO. 3 (BATHYMETRY OF THE ALEUTIAN ARC). 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 OVERPRINT THE BASE MAPS. REGISTRATION MARKS ALONG THE MARGINS OF THE MAPS ALLOW AN ESTIMATION OF THE PRECISION OF PRINTING REGISTRATION.

EACH PLOTTED SYMBOL, CENTERED UPON THE EPICENTRAL COORDINATES, REPRESENTS ONE EARTHQUAKE. THE TYPE OF SYMBOL DENOTES THE DEPTH-OF-FOCUS CLASS OF THE SEISMIC EVENT. THE BODY-WAVE MAGNITUDE (MB) IS INDICATED BY THE SYMBOL SIZE, WHICH VARIES CONTINUOUSLY ACCORDING TO THE RELATIONSHIP

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

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

DEPTH OF FOCUS (km)

0-50

50-100

100-150

150-200

200-250

$m_B = 3.0$

*

□

×

◇

+

$m_B = 4.0$

✱

□

×

◇

+

$m_B = 5.0$

✱

□

×

◇

+

$m_B = 6.0$

✱

□

×

◇

+

$m_B = 7.0$

✱

□

×

◇

+