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CGS-746-109

ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
JULY 1970

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY
ROCKVILLE, MARYLAND 20852

FEBRUARY 1971

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

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SEISMOLOGICAL BULLETIN

THE PURPOSE OF THIS BULLETIN IS TO COLLECT AND DISTRIBUTE PRELIMINARY DATA ACQUIRED FROM AN ALEUTIAN NETWORK OF SEISMIC STATIONS IN ORDER TO FACILITATE CURRENT STUDIES OF EARTHQUAKE OCCURRENCE IN THE ALEUTIAN ISLANDS. RECORD ARRIVAL TIMES AND AMPLITUDES ARE SCALED BY THE SPECIAL PROJECTS PARTY, LAS VEGAS, NEVADA. FINAL REDUCTION AND COLLATION OF DATA TO EVENT HYPOCENTERS AND DERIVATION OF RELATED PARAMETERS ARE PERFORMED BY THE SEISMOLOGY DIVISION, 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
 $M6.6 = -6.4 + \log_{10}(\text{AMP/PER}) + 3.70 * \log_{10}(\text{DIST})$
 FOR LOCATED EVENTS OF DEPTH 50 KM OR LESS AND DISTANCE
 GREATER THAN 10 KM AND LESS THAN 180 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 34 49.4 W	108
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	18/07/70-	51 33 44.4 N	178 57 12.4 E	187
ASB	AMCHITKA SOUTH B	25/05/69-	51 21 37.8 N	179 14 50.3 E	34
ASC	AMCHITKA SOUTH C	28/07/69-25/09/69	51 27 44.9 N	179 09 53.9 E	40
		25/09/69-13/07/70	51 27 41.9 N	179 07 29.9 E	36
		13/07/70-	51 27 44.9 N	179 09 53.9 E	40
ASD	AMCHITKA SOUTH D	29/05/69-06/06/69	51 22 36.0 N	179 20 30.0 E	
		06/06/69-	51 23 26.9 N	179 20 31.6 E	61
AWA	AMCHITKA WOOD-ANDERSON		51 22 28.5 N	179 15 09.6 E	
CSA	CAPE SARICHEF	22/11/70-	54 35 40.0 N	164 52 30.0 W	152
GMA	GRANITE MOUNTAIN	18/09/70-	65 25 43.0 N	161 13 55.0 W	856
LSI	LITTLE SITKIN ISLAND	16/08/69-18/09/69	51 55 10.8 N	178 32 01.8 E	145
OB3	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
OB5	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
OB6	OCEAN BOTTOM SEIS 6	26/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
OB8	OCEAN BOTTOM SEIS 8	26/09/69-16/10/69	51 22 00.0 N	179 35 42.0 E	-1408
RAT	RAT ISLAND	14/10/70-	51 47 56.7 N	178 19 48.3 E	226
SMY	SHENYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMISOPCHNOI 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

JUL 1970	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	ASB	IPG	01 32 26.0	4.6	.1					
		IS	01 32 32.8							
01	ASD	EPG	01 32 27.0	4.3	.1					
.....										
01	1 52	23.70	12.98 N 145.04 E	DEPTH = 47.0 KM	MB = 4.8					TELESEISMIC SOLUTION
			MARIANA ISLANDS							
01	ADK	E(P)	02 01 11.0			5510	233			
.....										
01	2 32	54.88	51.40 N 179.88 W	DEPTH = 65.1 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IP	02 33 7.3	56.1	.2	54	87	.1		WIND
		IS	02 33 16.2					-.1		
01	ASB	IP	02 33 7.9	48.5	.2	61	85	.0		
		IS	02 33 17.3					-.0		
01	ASC	IP	02 33 8.4			67	95	-.1		
		IS	02 33 18.5					.1		
.....										
01	3 17	25.50	28.08 N 139.28 E	DEPTH = 514.0 KM	MB = 4.8					TELESEISMIC SOLUTION
			BONIN ISLANDS REGION							
01	ADK	E(P)	03 24 20.0			4502	251			
.....										
01	ASB	IP	10 06 .5	13.9	.2					
		IS	10 06 11.5							
01	ASC	IP	14 45 13.9							
01	ASD	IP	14 45 14.0							
		IS	14 45 40.3							
01	ASB	EP	14 45 14.0							
		IS	14 45 39.2							
01	ADK	EP	17 20 56.0							
		ES	17 21 10.7							
01	ASD	IP	17 21 1.4							
01	ASB	EP	17 21 2.4							
		IS	17 21 22.5							
01	ASC	EP	17 21 4.0							
01	ASB	IP	17 31 9.1							
		IS	17 31 16.0							
01	ASD	EP	17 31 10.0							
02	ADK	EP	03 20 39.0							
		ES	03 20 46.3							
02	ASB	EP	03 21 13.3							
02	ASD	EP	03 21 15.0							
02	ASD	IP	04 20 1.0	.7	.1					
		IS	04 20 22.5							
02	ASB	IP	04 20 2.4	1.6	.1					
		IS	04 20 24.0							
02	ASB	IP	04 40 35.6	3.0	.2					
		ES	04 40 57.7							
02	ASD	IP	04 40 36.5	.8	.2					
		ES	04 40 59.5							
02	ASB	IP	05 12 8.2	.8	.1					
		IS	05 12 13.2							
02	ASD	IP	05 12 9.0	.4	.1					
		ES	05 12 14.5							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	ASB	IP	05 42 55.0	3.1	.1					
		S	05 42 59.0							
02	ASD	IP	05 42 55.8	.6	.1					
		IS	05 43 1.0							

.....

02	6 10	1.30	51.31 N 179.16 W	DEPTH = 43.0 KM	MB = 4.5	TELESEISMIC SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IP	06 10 17.8	476.3	.3	4.27	105	93	-0.7	
		IS	06 10 33.0						2.0	
02	ASB	IP	06 10 18.7				111	92	-0.6	
		IS	06 10 34.8						2.5	
02	ASC	IP	06 10 20.1				118	97	-0.0	
02	ANA	IP	06 10 25.6				156	102	.9	
02	ADK	IP D	06 10 29.0				189	251	.1	
		ES	06 10 51.2						2.2	

.....

02	ASD	IP	06 14 29.4	15.0	.2					
		IS	06 14 44.2							
02	ASB	EP	06 14 29.5	18.1	.2					
		IS	06 14 46.0							
02	ASC	EP	06 14 32.4							
02	ANA	E	06 14 37.5							
02	ADK	EP	06 14 40.6							
		ES	06 15 2.2							
02	ASD	IP	06 18 20.8	5.2	.1					
		IS	06 18 34.0							
02	ASB	EP	06 18 21.4	3.9	.1					
		ES	06 18 38.0							
02	ASD	EP	06 50 .6	.4	.1					
		IS	06 50 15.0							
02	ASB	EP	06 50 1.8	1.6	.1					
		ES	06 50 16.1							
02	ASD	IP D	09 29 21.3	1.0	.1					
		IS	09 29 40.6							
02	ASB	EP	09 29 21.5							
		IS	09 29 40.4							
02	ASD	EP	10 03 16.6							
		I(S)	10 03 31.4							
02	ASB	EP	10 03 18.2							
		IS	10 03 32.6							
02	ADK	IP	10 39 16.7							
		ES	10 39 24.2							
02	ASD	IP	10 39 47.1	17.9	.2					
		IS	10 40 19.5							
02	ASB	IP	10 39 48.0	25.5	.2					
		IS	10 40 21.5							
02	ASC	EP	10 39 48.9							
		IS	10 40 22.0							
02	ASB	EP	11 31 5.5	.9	.1					
		ES	11 31 41.7							
02	ASD	EP	11 31 5.9	.6	.1					
		ES	11 31 44.0							
02	ASB	IP	11 34 16.0	1.0	.1					
		IS	11 34 21.5							
02	ASD	IP	11 34 16.6	.6	.1					
		IS	11 34 22.8							
02	ASD	EP	12 21 32.2							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	ASB	EP	12 21 33.0							
		ES	12 21 38.1							
02	ASB	IP C	14 42 51.2	3.9	.2					
		ES	14 43 9.5							
02	ASD	IP C	14 42 51.4	1.7	.2					
		ES	14 43 9.5							
.....										
02	17 39 58.81		51.60 N 179.55 W	DEPTH = 96.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
02	ASD	IP D	17 40 16.3	16.2	.1		81	72	.0	
02	ASB	IP C	17 40 16.9	47.1	.2		88	72	.0	
		IS	17 40 30.1						.0	
02	ASC	IP C	17 40 17.2				91	80	.0	
.....										
02	ASB	EP	18 02 56.0							
02	ASD	IP	18 02 57.0	1.0	.1					
		E(S)	18 03 13.6							
.....										
02	19 14 1.50		4.67 N 97.71 E	DEPTH = 33.0 KM			MB = 5.2 MS = 5.8 TELESEISMIC SOLUTION			
			NORTHERN SUMATRA							
02	ADK	EP	19 26 30.1				9307	270		
.....										
02	20 6 9.60		16.55 N 145.57 E	DEPTH = 596.0 KM			MB = 4.5 TELESEISMIC SOLUTION			
			MARIANA ISLANDS							
02	ASB	EP	20 13 26.8				4878	230		
02	ASD	IP	20 13 27.4				4884	230		
02	ADK	EP	20 13 43.9				5142	235		
.....										
02	ASB	IP	21 31 47.9	.7	.1					
		IS	21 31 53.8							
02	ASD	EP	21 31 48.9							
		IS	21 31 55.2							
02	ASB	P C	22 05 20.2	3.0	.1					
		IS	22 05 27.8							
02	ASD	P	22 05 21.0							
02	ASD	EP	22 16 17.9							EMERGENT
		I	22 16 29.6							
		I	22 16 35.9							
02	ASB	EP	22 16 19.4							EMERGENT
		I	22 16 29.8							
		I	22 16 35.6							
03	ADK	EP	00 47 18.9							
		ES	00 47 25.9							
03	ANA	EP	01 09 39.0							
		IS	01 09 55.9							
03	ASB	EP	01 09 43.0							
03	ASC	EP	01 09 43.2							
		IS	01 10 1.7							
03	ASD	EP	01 09 44.6	51.5	.2					
		IS	01 10 8.0							
03	ADK	EP	01 10 21.2							
		ES	01 11 7.7							
03	ADK	EP	01 22 27.3							
		ES	01 22 47.1							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASD	IP	01 22 28.8	8.4	.2					
03	ASB	IP	01 22 29.7	9.9	.2					
		IS	01 22 49.1							
03	ASB	EP	02 20 54.8							
		IS	02 21 30.3							
03	ASD	EP	02 20 57.0							
03	ASD	EP	03 25 54.2							
03	ASB	EP	03 25 54.3	.8	.1					
03	ASD	EP	03 35 21.4	.6	.1					
03	ASB	EP	03 35 22.3	1.2	.1					
		IS	03 35 37.3							
03	ADK	EP	04 38 2.9							
		E	04 38 13.5							
03	ASD	IP	04 38 35.4	9.5	.2					
03	ASB	P	04 38 36.3	20.8	.2					
		I(S)	04 38 46.9							
.....										
03	5 32	2.06	52.06 N 178.33 E	DEPTH = 147.8 KM						
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ANA	EP	05 32 23.0				53	335	-.1	
		IS	05 32 38.5						.1	
03	ASB	IP	05 32 26.0	29.9	.2		108	321	.1	
		IS	05 32 43.2						-.1	
03	ASD	IP	05 32 26.1	16.2	.1		103	318	-.0	
		IS	05 32 43.7						.0	
.....										
03	ASD	IP	05 55 41.0	4.1	.1					
		IS	05 55 47.3							
03	ASB	IP	05 55 42.0	6.2	.1					
		IS	05 55 49.2							
03	ASB	IP	07 26 47.8	14.0	.2					
		IS	07 26 53.8							
03	ASD	IP	07 26 48.3	13.6	.2					
		IS	07 26 55.4							
03	ASB	IP	07 28 44.0	2.8	.2					
		IS	07 28 58.7							
03	ASD	IP	07 28 44.1	7.6	.2					
		IS	07 28 59.2							
03	ASD	EP	08 13 28.2	.6	.1					
03	ASB	EP	08 13 28.9	.7	.1					
03	ASB	IP	08 19 7.6	19.1	.2					
		IS	08 19 29.3							
03	ASD	IP	08 19 8.5	10.1	.2					
		IS	08 19 31.9							
03	ASB	EP	08 42 33.1							
		E(S)	08 43 10.9							
03	ASD	IP	08 54 34.2	1.4	.1					
03	ASB	IP	08 54 35.3	2.7	.1					
		ES	08 54 47.9							
03	ASB	P	09 23 53.3							
		IS	09 24 8.3							
03	ASD	P	09 23 54.3							
03	ASB	P	09 30 57.6							
		IS	09 31 15.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASD	P	09 30 58.0							
		E	09 31 45.2							
03	ASD	EP	09 54 1.2	10.4	.2					
		ES	09 54 16.3							
		E(L)	09 54 23.0							
03	ASB	EP	09 54 2.0	15.1	.2					
		ES	09 54 16.7							
03	ASC	EP	09 54 4.4							
03	ADK	EP	09 54 8.1							
		ES	09 54 28.3							
		IL	09 54 46.1							
03	ASD	IP	10 01 45.8	2.0	.2					
		ES	10 02 6.3							
03	ASB	IP	10 01 46.4	5.9	.2					
		ES	10 02 7.1							
03	ADK	EP	10 02 34.6							
		IS	10 02 50.2							
		EL	10 02 58.9							
03	ASD	EP	10 03 24.2	7.0	.2					
		ES	10 04 8.0							
03	ASB	EP	10 03 25.2	9.8	.2					
		ES	10 04 4.9							
		E(L)	10 04 12.1							
03	ASC	EP	10 03 26.2							
03	ASB	IP	10 31 48.6	1.7	.1					
		ES	10 31 57.4							
03	ASD	EP	10 31 49.5							
		IS	10 31 58.5							
03	ASD	IP	12 28 1.3	.7	.1					
		E(S)	12 28 10.4							
03	ASB	IP	12 28 2.4	1.5	.1					
		E(S)	12 28 10.6							
03	ASD	IP	12 36 42.0	58.4	.2					
03	ASB	EP	12 36 42.6	58.6	.2					
.....										
03	13 36 49.07	51.43 N 178.81 E DEPTH = 34.5 KM								FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
03	ASC	IPGC	13 36 55.9				24	262	.0	
		I(S)	13 37 .2						-.7	
03	ANB	IPG	13 36 55.9				19	175	.4	
		I(S)	13 37 .3						.2	
03	ANA	IPG	13 36 56.0				24	154	.1	
		I(S)	13 37 .4						-.5	
03	ASB	IPGD	13 36 56.3	29.4	.1	1.60	31	285	-.3	
		E(S)	13 37 2.5						.4	
03	ASD	IPGC	13 36 57.0	29.1	.1	1.88	37	280	-.3	
		I(S)	13 37 3.8						.6	
.....										
03	ANA	EP	14 22 19.5							
		IS	14 22 36.5							
03	ASC	EP	14 22 20.8							
03	ASB	EP	14 22 23.9							
03	ASD	EP	14 22 24.8	34.7	.1					
		IS	14 22 48.4							
03	ADK	EP	14 23 .8							
		ES	14 23 48.1							
03	ASD	IP	14 27 22.3	9.5	.1					
		IS	14 27 44.9							
03	ASB	IP	14 27 22.8	10.3	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	14 27 45.3							
03	ASB	IP C	15 23 32.0	1.2	.1					
		IS	15 23 49.5							
03	ASD	IP	15 23 32.3	1.7	.1					
		IS	15 23 50.0							
03	ASD	EP	15 30 20.1	8.5	.3					
		E(S)	15 30 38.6							
03	ASB	EP	15 30 20.6	23.2	.3					
		E(S)	15 30 38.8							
03	ASD	IP	15 41 24.2	2.0	.1					
		IS	15 41 35.0							
03	ASB	IP	15 41 24.5	5.0	.1					
		IS	15 41 35.2							
03	ADK	EP	17 47 13.2							
		ES	17 47 19.8							

03	19 12	.09	51.32 N 178.62 E	DEPTH = 41.1 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	EP	19 12 8.7				35	184	-0	
03	ASB	IP C	19 12 9.7	15.6	.2	1.57	44	264	-0	
		IS	19 12 16.7						-0	
03	ASD	EP	19 12 10.5	4.6	.2	1.27	51	263	-0	
03	ASB	I(P)	19 13 20.5	1.5	.1					
		ES	19 13 30.2							
03	ASD	IP	21 34 58.4							
		IS	21 35 2.9							
03	ASB	EP	21 34 58.6	3.2	.2					
		IS	21 35 3.0							
03	ADK	EP	22 41 23.8							
		ES	22 41 30.9							
03	ADK	EP	23 19 10.8							
		ES	23 19 26.2							
04	ASD	IP D	02 01 52.8	4.2	.2					
		IS	02 01 59.5							
04	ASB	EP	02 01 53.8	1.9	.1					
		IS	02 02 1.2							
04	ASD	IP C	02 41 0.0	1.4	.2					
		IS	02 41 6.6							
04	ASB	EP	02 41 .9							
		IS	02 41 8.2							
04	ASD	IP	02 46 51.7							
		IS	02 46 59.2							
04	ASB	IP	02 46 52.9	1.3	.1					
		IS	02 47 1.0							
04	ASB	EP	03 03 19.5							
		ES	03 03 35.4							
04	ASD	EP	03 03 19.7							
		ES	03 03 35.7							
04	ADK	EP	03 47 18.7							
		ES	03 47 28.2							
04	ASD	EP	03 47 41.9	1.4	.1					
04	ASB	EPN	03 47 43.1							
		IPG	03 47 45.8							

REGIONAL

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASD	IP	04 19 4.4	11.2	.2					
		IS	04 19 22.7							
04	ASB	IP	04 19 4.9	9.6	.2					
		ES	04 19 23.3							
04	ASD	IP	04 55 25.0	2.7	.2					
		ES	04 55 36.0							
04	ASB	IP	04 55 25.7							
		ES	04 55 37.3							
04	ASB	IP	05 06 18.5	2.3	.1					
		IS	05 06 36.3							
04	ASD	IP	05 06 18.8	3.2	.1					
		IS	05 06 37.0							
04	ADK	EP	05 33 20.8							
		ES	05 33 48.9							
04	ASD	IP	08 04 49.0							
		ES	08 05 .8							
04	ASB	IP	08 04 49.8							
		ES	08 05 .9							
04	ASD	EP	08 11 22.6							
04	ASB	EP	08 11 23.5							VERY EMERGENT
04	ASD	IP	08 54 55.0	1.7	.2					
		IS	08 55 1.4							
04	ASB	EP	08 54 56.1	1.7	.2					
		ES	08 55 3.3							
04	ASB	EP	09 34 3.0							
04	ASD	EP	09 34 3.6	1.0	.2					
		ES	09 34 22.5							
04	ASD	EP	09 37 47.0							
04	ASB	EP	09 37 47.5							VERY EMERGENT
		ES	09 38 5.3							
04	ASB	EP	09 46 35.1							
		IS	09 46 42.4							
04	ASD	EP	09 46 36.4	.6	.1					
		ES	09 46 44.7							
04	ASB	IP	09 55 23.4							
		ES	09 55 53.7							
04	ASD	EP	09 55 24.5							
		ES	09 55 57.2							
04	ASD	IP	10 31 50.8	12.6	.2					
04	ASB	IP D	10 31 51.0							
		ES	10 32 9.8							
04	ASB	EP	11 22 36.5							
04	ASD	IP C	11 22 36.8	1.5	.2					
04	ASD	IP	11 45 32.3							
		I	11 46 25.3							
04	ASB	EP	11 45 32.8							
04	ASD	IP	12 34 32.0	5.5	.2					
		ES	12 34 52.6							
04	ASB	IP	12 34 32.5							
		IS	12 34 52.7							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	12 39 42.60		51.96 N 179.81 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
04	ASC	EP	12 39 59.0				98	52	-.3	
		IS	12 40 11.2						-.3	
04	ASD	IP D	12 39 59.1	33.9	.2		87	42	.1	
		IS	12 40 11.3						.4	
04	ASB	IP	12 39 59.6	44.8	.2		93	44	.0	
		IS	12 40 11.9						-.1	
04	ANB	EP	12 40 .5				104	67	-.3	
04	ANA	EP	12 40 2.1				112	70	.5	
.....										
04	ASB	IP C	13 00 37.2	2.5	.1					
		IS	13 00 43.7							
04	ASD	IP C	13 00 38.1	7.1	.1					
		IS	13 00 45.3							
04	ASD	IP C	13 16 15.6	.6	.1					
04	ASB	EP	13 16 16.3							
04	ASB	IP	13 21 16.2	34.0	.2					
		IS	13 21 31.3							
04	ASD	IP	13 21 16.7	4.5	.1					
04	ASD	IP	14 17 24.0	.8	.1					
		IS	14 17 34.1							
04	ASB	IP	14 17 24.9							
		IS	14 17 35.7							
.....										
04	14 26 42.62		51.45 N 177.61 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ANA	IP	14 26 56.3				75	255	-.0	
		IS	14 27 6.3						-.0	
04	ASC	IP	14 27 .3				108	270	.1	
04	ASB	IP	14 27 1.0				114	276	-.0	OVERLOAD
		IS	14 27 15.6						1.1	
04	ASD	IP	14 27 1.8	19.7	.1	3.60	121	274	-.0	
		IS	14 27 17.2						1.4	
.....										
04	ASD	IP	14 42 10.3	.6	.1					
		ES	14 42 16.5							
04	ASB	IP	14 42 10.4							
		ES	14 42 16.8							
04	ASD	IP	15 16 27.9	1.7	.2					
		IS	15 16 32.0							
04	ASB	IP	15 16 28.9	2.9	.2					
		IS	15 16 34.2							
04	ASD	EP	15 38 47.6							
		IS	15 38 59.6							
04	ASB	EP	15 38 48.7							
		ES	15 39 1.6							
04	ASB	IP	15 51 6.7							
		ES	15 51 35.2							
04	ASD	EP	15 51 7.7							
		ES	15 51 36.7							
04	ASB	EP	16 06 34.9							
		IS	16 06 50.3							
04	ASD	IP	16 06 35.5							
		ES	16 06 51.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASB	IP	18 27 11.5							
		IS	18 27 18.6							
04	ASD	IP	18 27 12.3							
		IS	18 27 20.2							
04	ASD	IP	20 49 15.5	4.8	.1					
		IS	20 49 20.1							
04	ASB	IP	20 49 15.6							
		IS	20 49 20.3							
04	ASB	IP	20 59 11.9	1.9	.1					
		IS	20 59 27.9							
04	ASD	IP	20 59 12.0	1.3	.1					
		IS	20 59 27.8							
04	ADK	EP	20 59 18.1							
		ES	20 59 45.5							
04	ADK	EP	21 20 57.9							
		ES	21 21 6.8							
04	ASB	IP	21 51 9.2							
		ES	21 51 14.7							
04	ASD	IP	21 51 9.7	1.4	.1					
		IS	21 51 15.5							
04	ASB	IP	22 11 23.4							
		IS	22 11 34.9							
04	ASD	IP D	22 11 23.9	1.1	.1					
		IS	22 11 36.2							
04	ASB	EP	22 45 37.4							
		IS	22 45 44.3							
04	ASD	IP	22 45 40.1	.7	.1					
		IS	22 45 45.5							
.....										
05	1 25 28.85		52.19 N 178.65 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	EP	01 25 47.6				63 360	.0		V.EMERGENT, QP
05	ASB	IP D	01 25 50.4	2.7	.1		101 336	.0		
05	ASD	IP D	01 25 50.5	4.5	.1		102 333	.0		POSS. DEEP
		I(S)	01 26 6.3					-.0		
.....										
05	ASB	IPG	01 35 6.6							
		IS	01 35 13.4							
05	ASD	IPGC	01 35 7.0	.3	.1					
05	ASD	IP	01 48 21.3	.6	.1					
		E(S)	01 48 27.1							
05	ASB	EP	01 48 21.3	.8	.1					
		I(S)	01 48 26.9							
05	ANA	EPG	01 59 43.6							V.EMERGENT, QP
		ELG	01 59 54.7							
05	ASB	IPG	01 59 45.5	5.2	.1					
		IS	01 59 55.6							
05	ASD	IPG	01 59 46.4	.8	.1					
		ES	01 59 56.9							
05	ASD	IPGC	02 22 34.1	1.0	.1					
		ES	02 22 45.1							
05	ASB	IPGD	02 22 34.2	.5	.1					
		IS	02 22 45.2							
05	ASB	EP	04 51 4.6							V.EMERGENT, POOR
		E(S)	04 51 32.0							
05	ASD	EP	04 51 6.1							V.EMERGENT, POOR

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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E(S) 04 51 33.5

05	6 25 47.31		51.85 N 179.92 E	DEPTH = 150.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IP D	06 26 9.2	3.5	.1		66	37	-.0	
05	ASC	IP	06 26 9.3				68	50	-.0	SPIKES INTERFER
05	ASB	IP D	06 26 9.5	6.3	.1		72	40	-.0	
		IS	06 26 25.7						-.0	
05	ASD	EP	06 54 19.5	.4	.1					
05	ASB	IP	06 54 19.9	1.8	.1					
		ES	06 54 38.0							
05	ANA	EP	06 56 29.6							POOR
05	ASB	EP	06 56 34.1	2.5	.1					POOR
05	ASD	IP	06 56 35.5	1.1	.1					POOR
05	ASD	IPG	07 06 11.9	.7	.1					
05	ASB	IPGC	07 06 12.2	1.4	.1					
		IS	07 06 20.8							
05	ASB	EPG	08 06 26.9							
		IS	08 06 32.8							
05	ASD	EPG	08 06 27.4							
05	ASB	IP	08 34 54.7	.6	.1					
		E(S)	08 35 17.4							
05	ASD	EP	08 34 55.9							V.EMERGENT, QP
		E(S)	08 35 19.8							
05	ASD	IPGC	08 46 14.0	.7	.1					
		IS	08 46 17.1							
05	ASB	IPGD	08 46 14.0							
		IS	08 46 17.1							
05	ASB	IP	08 48 10.2	1.0	.1					
		ES	08 48 31.2							
05	ASD	EP	08 48 19.7							
		ES	08 48 30.7							
05	ADK	EP C	10 20 39.3							
		ES	10 20 49.9							
05	ASD	EP	10 21 11.3	.3	.1					V.EMERGENT, QP
		E(S)	10 21 48.9							
05	ASB	EP	10 21 11.8	.6	.1					V.EMERGENT, QP
05	ASD	IP D	11 24 34.3	8.8	.1					
		ES	11 24 48.1							
05	ASB	IP D	11 24 35.1	5.0	.1					
		ES	11 24 49.1							
05	ASC	I(P)	11 24 36.6							
05	ANA	EP	11 24 41.9							V.EMERGENT, QP
05	ADK	EP	11 24 42.2							
		ES	11 25 4.1							
05	ASD	IP C	11 27 22.6	1.1	.1					
		IS	11 27 36.2							
05	ASB	IP C	11 27 23.3	1.3	.1					
		ES	11 27 38.7							
05	ASD	IPG	12 09 24.1	.7	.1					
		ES	12 09 33.7							
05	ASB	IPG	12 09 24.6	1.1	.1					
		IS	12 09 34.3							
05	ASD	IPN	13 22 31.7							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IPG	13 22 33.3	.6	.1					
		ES	13 22 46.9							
05	ASB	EPN	13 22 32.8							QPN
		IPG	13 22 34.2							
		ES	13 22 46.7							
05	ASB	IP C	13 34 6.5							
		IS	13 34 21.9							
05	ASD	IP D	13 34 7.2							
.....										
05	14 12 16.60	7.40 N 126.90 E	DEPTH = 59.0 KM	MB = 5.6	TELESEISMIC SOLUTION					
PHILLIPINE ISLANDS										
05	ANA	EP	14 22 28.9				6798	243		QP, V.EMERGENT
05	ASD	EP	14 22 30.1				6828	244		TELE
05	ASB	EP	14 22 30.3	3.2	.4		6821	243		
05	ADK	IP C	14 22 45.7				7108	247		
		ES	14 31 22.0							
		EL	14 38 40.0							
.....										
05	ASD	IPN	14 48 7.2							
		IPG	14 48 8.6	13.9	.1					
		E(S)	14 48 23.3							
05	ASB	IPN	14 48 7.9							
		IPG	14 48 9.3	10.6	.1					
		E(S)	14 48 24.2							
05	ASC	EPN	14 48 9.3							
05	ANA	EPN	14 48 15.1							V.EMERGENT, QP
05	ASD	IPGD	16 25 41.7	2.0	.1					
		IS	16 25 52.9							
05	ASB	IPGC	16 25 41.8	1.5	.1					
		IS	16 25 53.0							
05	ASD	IP	16 58 19.0	.3	.1					
05	ASB	IP	16 58 19.4	.7	.1					
		IS	16 58 38.4							
05	ASB	IPGC	17 29 26.6	4.7	.1					
		IS	17 29 35.3							
05	ASD	IPGD	17 29 27.5	8.3	.1					
		ES	17 29 37.0							
05	ASB	IPGD	17 31 55.4	1.9	.1					
		IS	17 32 1.4							
05	ASD	IPGC	17 31 56.0	1.1	.1					
		ES	17 32 2.7							
05	ASD	EP	18 22 56.5	.6	.1					
05	ASB	EP	18 22 56.8	.5	.1					
		IS	18 23 12.7							
05	ASD	IP	18 45 16.7	1.4	.1					
		IS	18 45 38.4							
05	ASB	IP	18 45 17.2	4.3	.1					
		IS	18 45 39.2							
05	ASD	EPN	19 09 56.3							
		IPG	19 09 57.6	.6	.1					
		IS	19 10 12.4							
05	ASB	EPN	19 09 57.0							
		IPG	19 09 58.4	.8	.1					
		ES	19 10 13.2							
05	ASB	IP D	20 25 53.2	2.3	.1					
		I(S)	20 26 8.1							
05	ASD	EP	20 25 53.6							POOR

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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05	ADK	EP	21 00 30.9							
		ES	21 00 37.9							

05	ANA	EP	21 24 13.3							
05	ASB	EPG	21 24 19.8	1.0	.1					LOOKS ODD
		E(S)	21 24 45.0							
05	ASD	EPG	21 24 20.8							POOR
		E(S)	21 24 46.7							

05	ASB	EPN	22 35 18.5							
		EPG	22 35 19.3	1.4	.1					
		E(S)	22 35 33.1							
05	ASD	EP	22 35 19.0	.8	.1					
		E(S)	22 35 31.7							

06	ASD	IP	00 11 13.6	1.3	.1					
		ES	00 11 30.5							
06	ASB	EP	00 11 14.9	2.3	.1					
		ES	00 11 31.9							

06	ASD	IP C	01 06 56.6	12.2	.1					
		ES	01 07 15.5							
06	ASB	IP C	01 06 56.9	14.8	.1					
		ES	01 07 15.5							

.....

06	1 10 12.30	5.11 S 152.64 E	DEPTH = 65.0 KM	MB = 5.0	TELESEISMIC SOLUTION
NEW BRITAIN REGION					

.....

06	ASB	EP	01 20 19.4			6749	211			
06	ASD	EP	01 20 19.7	2.8	.4	6753	211			TELE

.....

06	ADK	EP	02 18 20.9							
		ES	02 18 33.9							
06	ASD	IPN	02 18 32.4							QS
		IPG	02 18 33.4	8.3	.1					
		ES	02 18 52.8							
06	ASB	IPND	02 18 33.6							
		EPG	02 18 36.7	9.9	.1					
		IS	02 18 55.7							
06	ASC	EP	02 18 39.1							
06	ASB	EPG	03 14 13.0	.8	.1					
		IS	03 14 20.4							
06	ASD	IP	03 24 7.7	1.1	.1					
06	ASB	IP	03 24 8.4	.9	.1					
		IS	03 24 32.3							

.....

06	3 50 50.17	51.25 N 178.68 E	DEPTH = 50.2 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

.....

06	ASB	IPGD	03 51 .1			41	253	-.0		
		IS	03 51 7.4					.0		
06	ASC	IPG	03 51 .1			41	235	.0		
06	ANA	EPG	03 51 .2			42	177	-.0		V. EMERGENT
06	ASD	IPGD	03 51 .8	10.8	.1	48	253	.0		
		IS	03 51 8.5					-.0		

.....

06	ANA	EP	04 13 27.2							V. EMERGENT
		E(S)	04 13 47.1							
06	ASB	EPN	04 13 32.3							
		EPG	04 13 34.9	2.5	.1					
		E(S)	04 13 58.3							
06	ASD	EPN	04 13 32.9							

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JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IPG	04 13 35.3	2.2	.1					
		E(S)	04 13 59.3							
06	ASD	EPN	05 10 25.2							
		IPG	05 10 25.8	.6	.1					
06	ASB	EP	05 10 26.0	.9	.1					
		ES	05 10 45.8							
06	ASB	EP	06 01 .7							V.POOR,QP,QS
		ES	06 01 13.8							
06	ASD	EP	06 01 .9							
		IS	06 01 14.2							
.....										
06	6	3	43.63	51.15 N	179.84 E	DEPTH = 47.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IP C	06 03 53.2	65.7	.1	2.47	43	126	-.4	
		ES	06 04 1.2						.3	
06	ASB	IP D	06 03 53.8				48	119	-.3	CLIPPED
		ES	06 04 2.1						.4	
06	ASC	IP	06 03 55.5				59	126	.2	
06	ANA	EPG	06 04 .6				98	122	.6	
		ES	06 04 11.3						-.7	
.....										
06	ASB	EP	07 04 .5							POOR, QP
		IS	07 04 19.3							
06	ASB	EP	08 08 24.4							
		ES	08 08 34.9							
06	ASD	EP	08 08 25.2							
		ES	08 08 36.0							
06	ASD	IPGD	08 25 45.7	.8	.1					
		IS	08 25 48.7							
06	ASB	EPGC	08 25 46.5							
		IS	08 25 50.2							
06	ANA	IPGD	08 32 44.7							
		ES	08 32 53.5							
06	ASB	IPGC	08 32 47.6	6.9	.1					
		ES	08 32 58.1							
06	ASD	IPGC	08 32 48.5	1.4	.1					
		ES	08 32 59.1							
06	ADK	EP	09 03 35.3							
		ES	09 03 44.9							
06	ASD	EP	09 56 35.2	1.1	.1					
06	ASB	EPN	09 56 36.0							
		IPG	09 56 37.3	1.6	.1					
		IS	09 56 50.5							
06	ASB	IPGD	10 34 53.4	4.9	.1					
		IS	10 34 59.3							
06	ASD	IPG	10 34 54.0	1.1	.1					
.....										
06	10	51	28.50	54.68 N	164.53 W	DEPTH = 90.0 KM	TELESEISMIC SOLUTION			
UNIMAK ISLAND REGION										
06	ADK	EP	10 53 20.5				861	64		
		ES	10 54 44.8							
06	ASD	EP	10 53 52.1				1141	65		
06	ASB	EP								

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ASD	EPG	12 11 48.9							
		ES	12 11 55.9							
06	ASB	IPGD	12 11 49.9							
		IS	12 11 57.8							
06	ASB	IP	12 12 51.9	3.4	.1					
		ES	12 13 11.0							
06	ASD	EP	12 12 52.8	.7	.1					
06	ASB	IP C	12 18 5.4							
		ES	12 18 19.3							
06	ANA	IPG	13 10 54.1							
		ES	13 11 .9							
06	ASB	IPGD	13 10 57.4	7.2	.1					
		ES	13 11 6.5							
06	ASD	IPG	13 10 58.1	10.5	.1					
		ES	13 11 8.1							

06 15 4 40.70 36.60 N 134.64 E DEPTH = 374.0 KM MB = 5.0 TELESEISMIC SOLUTION
SEA OF JAPAN

06	ASB	IP C	15 10 58.7	4.1	.3		3864	263		
06	ASD	IP C	15 10 59.1	7.8	.4		3871	263		TELE
06	ADK	EP	15 11 19.3				4158	265		

06 16 20 12.38 51.17 N 178.58 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

06	ANA	IPGC	16 20 21.6				51	186	-.1	
		ES	16 20 28.6						-.1	
06	ASB	IPGC	16 20 21.8	22.1	.1	2.27	51	246	-.1	
		IS	16 20 28.5						-.0	
06	ASD	IPGD	16 20 22.7	6.4	.1	1.93	58	247	-.0	
		IS	16 20 30.1						-.1	

06	ASB	EPG	16 27 50.2							
		IS	16 27 56.8							
06	ASD	EPG	16 27 51.3							
		IS	16 27 58.4							

06	ASB	EPG	17 29 16.0							POOR, QP
		IS	17 29 21.7							
06	ASD	EPG	17 29 16.5							EMERGENT

06 19 9 45.32 50.99 N 178.52 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

06	ASD	IP	19 10 9.8				155	105	-.3	
		E(S)	19 10 27.8						-.4	
06	ASB	IP D	19 10 10.5				161	104	-.4	
		E(S)	19 10 30.2						.6	
06	ADK	EP	19 10 11.7				167	234	-.0	
		ES	19 10 28.7						-2.3	
06	ASC	IP	19 10 12.6				170	107	.6	

06	ADK	IP D	23 00 8.1							
		ES	23 00 36.5							
06	ASD	IP	23 00 34.9							
		ES	23 01 23.3							
06	ASB	IP	23 00 35.5							
		I(S)	23 01 24.0							
06	ASC	IP	23 00 36.5							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	23 42	4.00	52.37 N 179.97 E	DEPTH = 231.0 KM MB = 4.4			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IP	23 42 37.5	79.7	.2		119	21	-.2	
		IS	23 43 2.7						.3	
06	ASC	IP	23 42 37.7				115	29	.2	
06	ASB	IP	23 42 37.9				123	24	-.1	
06	ANB	IP	23 42 38.0				117	43	.3	
		IS	23 43 3.5						1.2	
06	ANA	IP	23 42 38.1				122	47	.2	
		IS	23 43 5.0						2.3	
06	ADK	IP C	23 42 45.7				242	284	-1.6	
		ES	23 43 17.0						-2.0	
.....										
07	ASD	IP	07 53 36.5	1.3	.1					
		ES	07 53 44.5							
07	ASB	IP	07 53 37.1							
		ES	07 53 45.5							
07	ASD	IP	09 30 53.7	.8	.1					
07	ASB	IP	09 30 54.2							
		ES	09 31 2.2							
07	ASD	IP	10 05 48.5	11.3	.2					
		ES	10 06 6.1							
07	ASB	IP	10 05 49.6	19.8	.2					
		IS	10 06 7.7							
.....										
07	12 18	58.14	51.36 N 178.09 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	EP	12 19 11.0				49	233	-.0	
		E(S)	12 19 20.4						.0	
07	ASB	IP	12 19 13.7	45.3	.2		80	270	-.1	
		IS	12 19 25.9						.7	
07	ASD	IP	12 19 14.5	22.0	.3		87	269	.0	
		ES	12 19 25.7						-.7	
.....										
07	14 20	57.91	51.11 N 179.30 E	DEPTH = 28.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASB	IP	14 21 4.5	29.7	.1	1.45	28	173	-.0	
		IS	14 21 9.3						-.0	
07	ASD	IP	14 21 4.7	14.1	.1	1.22	30	186	-.0	
07	ASC	IP	14 21 6.0				41	166	-.0	
.....										
07	ASD	IP	14 48 9.4	9.4	.2					
		IS	14 48 22.7							
07	ASB	EP	14 48 10.2	6.6	.2					
		IS	14 48 23.2							
07	ASD	IP	15 37 54.2	2.2	.1					
		ES	15 38 8.1							
07	ASB	EP	15 37 54.8	2.3	.1					
		ES	15 38 8.6							
07	ADK	EP	15 52 20.2							
		ES	15 52 44.9							
07	ADK	IP	16 42 21.2							
		ES	16 42 27.8							
07	ASB	EPN	16 42 48.2							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IPG	16 42 54.3	3.0	.1					
		E(S)	16 43 26.6							
07	ASD	IPN	16 42 49.1							
		IPG	16 42 57.1	.7	.1					
		E(S)	16 43 27.0							
07	ASB	IPGD	17 34 34.4	10.7	.1					
		I(S)	17 34 38.6							
07	ASD	IPG	17 34 34.6	18.1	.1					
		I(S)	17 34 39.0							
07	ASD	EP	18 18 44.3	3.4	.1					
		I(S)	18 19 .7							
07	ASB	EP	18 18 45.0	3.7	.1					
		I(S)	18 19 2.2							
07	ASB	IP	21 41 .8	1.9	.2					
		I(S)	21 41 9.9							
07	ASD	EP	21 41 1.3							
		I(S)	21 41 10.7							

.....									
07	22 27 40.03	51.61 N 179.74 E	DEPTH = 182.3 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
07	ASD	IPGD	22 28 4.4	6.0	.1	38	47	-2	
		I(S)	22 28 22.0					-5	
07	ASB	IPGC	22 28 4.9	13.5	.1	44	51	.1	
		I(S)	22 28 22.9					.1	
07	ASC	IP	22 28 5.0			44	68	.3	
		E(S)	22 28 23.2					.4	
07	ANA	EP	22 28 5.8			75	91	-2	
.....									

07	ASD	IP	23 34 1.8	2.9	.1				
		E(S)	23 34 10.0						
07	ASB	IP	23 34 2.4						
		E(S)	23 34 11.1						
08	ASB	IPG	00 01 2.1	3.4	.1				
		I(S)	00 01 9.9						
08	ASD	IPG	00 01 2.2	3.6	.1				
		I(S)	00 01 10.1						
08	ANA	E(P)	00 01 14.1						
08	ASD	IP	00 37 5.0	3.4	.2				
		I(S)	00 37 17.2						
08	ASB	IP	00 37 5.9						
		I S	00 37 18.9						
08	ASB	IP C	01 28 48.7	2.7	.1				
		I(S)	01 28 54.5						
08	ASD	IP D	01 28 49.1	1.8	.1				
		I(S)	01 28 55.3						
08	ASB	IP	03 08 1.5	1.8	.1				
		I(S)	03 08 7.5						
08	ASD	IP	03 08 2.1	1.0	.1				
		I(S)	03 08 8.3						
08	ANA	E(P)	04 29 17.8						
08	ASB	IP	04 29 20.3						
		I(S)	04 29 31.9						
08	ASD	IP	04 29 20.4						
		I(S)	04 29 31.9						
08	ADK	IP C	05 01 49.0						
08	ASD	IP D	05 01 59.6						
08	ASB	IP C	05 01 59.8	28.4	.3				

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JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	ASC	IP	05 01 59.8							
08	ANA	EP	05 02 .5							
08	ASD	EP	05 07 41.2							
		E(S)	05 07 44.1							
08	ASB	EP	05 07 41.8							
		E(S)	05 07 44.9							
08	ASB	EP	05 13 45.0							
08	ASD	EP	05 13 45.3							
08	ASD	IPG	05 50 52.1	13.3	.2					
		I(P)	05 50 52.7							
		I(S)	05 51 5.7							
08	ASB	IPG	05 50 53.2	3.3	.1					
		I(P)	05 50 53.6							
		I(S)	05 51 8.1							
08	ASC	EP	05 50 54.1							
08	ASB	EP	06 27 38.4	2.8	.1					
		E(S)	06 27 42.1							
08	ASD	EP	06 27 38.8	.7	.1					
		E(S)	06 27 42.7							
08	ADK	EP	06 59 56.9							
		ES	07 00 10.4							
08	ASD	IP	07 00 4.0	1.8	.1					
		I(S)	07 00 23.7							
08	ASB	IP	07 00 4.7	3.1	.1					
		I(S)	07 00 24.9							
08	ASC	EP	07 00 5.1							
08	ANA	EP	07 00 12.5							
08	ASB	IP D	07 19 36.1	1.9	.1					
		I(S)	07 19 56.2							
08	ASD	IP	07 19 36.8							
		I(S)	07 19 56.9							
08	ASB	IP	07 44 4.0							
		I(S)	07 44 26.2							
08	ASD	IP	07 44 5.5							
		I(S)	07 44 29.4							
08	ASB	IP C	08 18 28.6							
		E(S)	08 18 34.8							
08	ASD	IP	08 18 29.0							
		E(S)	08 18 34.0							

.....
 . 08 8 55 17.14 51.33 N 178.73 E DEPTH = 36.7 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

08	ANA	IPGD	08 55 24.9				33	171	-.2	
		E(S)	08 55 31.0						.1	
08	ASC	EPG	08 55 25.3				33	245	.2	V. QUESTIONABLE
		ES	08 55 30.9						.1	
08	ASB	IPGD	08 55 25.5	29.7	.1	1.83	36	266	.1	
		ES	08 55 31.4						-.0	
08	ASD	IPGC	08 55 26.1	15.8	.1	1.83	43	264	-.1	
		ES	08 55 32.5						-.3	

.....

08	ASD	IP C	10 08 16.1	.8	.1					
		ES	10 08 35.0							
		ILG	10 08 35.5							
08	ASB	IP D	10 08 16.2	1.3	.1					
		IS	10 08 35.2							

[illegible]

08	10 30 34.40	51.44 N 178.86 E	DEPTH = 42.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS							
08	ASC	IPG	10 30 42.2			21 262	.2
08	ANA	IPGD	10 30 42.2			26 146	-.1
		ES	10 30 48.2				.1
08	ASB	IPGC	10 30 42.5			28 288	-.0
		ES	10 30 48.5				.0
08	ASD	IPGD	10 30 43.1	211.5	.1	2.58	34 282
		IS	10 30 49.1				-.3
.....							
08	ADK	IP C	10 54 15.9				
		IS	10 54 23.2				
08	ASD	EP	10 54 40.9	.8	.1		
		ES	10 55 8.1				
		IL	10 55 9.7				
08	ASB	EP	10 54 41.5	1.2	.1		
		ES	10 55 8.9				
		IL	10 55 10.9				
08	ASB	IP C	11 17 59.8	1.1	.1		
		ES	11 18 15.0				
08	ASD	IP D	11 18 .7	.4	.1		
		ES	11 18 16.4				
08	ASD	EP	14 27 14.5				
		ES	14 27 28.7				
08	ASB	IP D	14 27 15.2				QS
		ES	14 27 29.5				
08	ASB	IPG	14 42 12.3	.9	.1		
		E(S)	14 42 34.0				
08	ASD	EP	14 42 12.6	.8	.1		
08	ASD	EP	15 53 48.4	1.0	.1		
08	ASB	IP	15 53 49.2	1.1	.1		
		ELG	15 54 13.4				
.....							
08	16 15 46.54	51.10 N 179.88 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS							
08	ASD	IPGC	16 15 55.5	12.0	.1	1.92	49 129
		ES	16 16 2.0				-.0
08	ASB	IPGD	16 15 56.0	26.4	.1	2.40	53 123
		ES	16 16 3.1				-.0
08	ASC	EP	16 15 57.8				65 128
08	ANA	EP	16 16 3.7				103 124
							.1
.....							
08	ASB	EP	19 26 32.5				POOR
		ES	19 26 49.5				
.....							
08	19 47 53.80	52.47 N 176.14 W	DEPTH = 172.0 KM MB = 4.7	TELESEISMIC SOLUTION			
ANDREANOF ISLANDS							
08	ADK	IP D	19 48 18.0			72 25	-.4
		IS	19 48 35.4				-1.0
08	ASD	IP D	19 48 42.2	99.7	.1	333 67	-.4
		E(S)	19 49 16.6				-1.7
08	ASB	IP C	19 48 43.1			340 67	-.3
08	ASC	IP D	19 48 43.6			341 69	.0
08	ANB	EP	19 48 46.0			368 73	.3
08	ANA	EP	19 48 47.0			368 73	.4
		E(S)	19 49 22.6				-2.6
.....							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	ASB	EP	21 44 42.1							
		ES	21 44 58.2							
08	ASD	EP	21 44 42.4	.6	.2					
08	ASB	E(P)	22 19 31.3							
		E(S)	22 19 55.7							
08	ASD	E(P)	22 19 31.9							
.....										
08	23 14 22.02		50.26 N 179.52 W			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
08	ASD	IPGC	23 14 45.2	7.0	.1		148	147	-.0	
08	ASB	IPGD	23 14 45.4	4.2	.1		150	144	-.1	
		IS	23 15 2.6						.0	
08	ASC	EPG	23 14 47.1				163	145	.1	QP
.....										
09	ASB	IPG	00 00 34.6	1.3	.1					
		IS	00 00 42.8							
09	ASD	IPG	00 00 35.2	2.9	.1					
		IS	00 00 43.9							
09	ASB	EP	00 50 59.1	1.4	.1					
09	ASD	EP	00 50 59.1	1.3	.1					
09	ADK	EP	04 42 5.9							
		ES	04 42 20.7							
09	ASB	EP	04 42 10.9	5.9	.1					
		IS	04 42 31.8							
09	ASD	EP	04 42 10.9	5.2	.1					
		E(S)	04 42 30.0							
09	ASD	IP	05 49 2.2	15.0	.2					
		IS	05 49 9.0							
09	ASB	IP	05 49 2.9	7.6	.2					
		IS	05 49 10.6							
09	ADK	EP	06 36 27.9							
		ES	06 36 41.9							
09	ASD	IP C	06 36 35.6	7.4	.1					
		E(S)	06 36 56.5							
09	ASB	IP	06 36 36.3	21.0	.1					
		ES	06 36 58.5							
09	ASC	IP	06 36 39.0							
09	ASD	IP	07 28 10.1	29.8	.1					
09	ASB	IP	07 28 10.9							OVERLOAD
		IS	07 28 33.7							
09	ASC	EP	07 28 12.7							
09	ADK	EP	07 28 23.5							
		ES	07 28 44.1							
09	ADK	EP	08 16 31.1							
09	ASB	IP	09 23 30.3	2.0	.1					
		IS	09 23 37.4							
09	ASD	EP	09 23 31.2							
		IS	09 23 38.9							
09	ASB	IP	09 59 18.9	1.3	.1					
		ES	09 59 31.5							
09	ASD	IP	09 59 19.8	1.3	.1					
		IS	09 59 33.6							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	10 22	18.61	51.74 N 179.32 E	DEPTH = 95.1 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASC	IP	10 22 32.6				33	20	-.1	
		IS	10 22 43.0						.1	
09	ASD	IP	10 22 33.0	406.6	.2		41	358	-.0	
		IS	10 22 43.6						.0	
09	ASB	IP	10 22 33.2				43	7	.1	OVERLOAD
		IS	10 22 43.7						-.0	
09	ANA	IP	10 22 33.5				48	74	.1	
		IS	10 22 44.2						-.1	
09	ASB	IP	10 55 59.3							
		IS	10 56 5.5							
09	ASD	IP	10 55 59.9							
		IS	10 56 6.6							
09	ASB	EP	11 06 45.4	1.1	.1					
		ES	11 06 56.7							
09	ASD	EP	11 06 45.8	.6	.1					
		IS	11 06 58.8							
09	ASD	IP	11 29 5.9	28.8	.2					
		IS	11 29 10.5							
09	ASB	IP	11 29 6.2	5.2	.1					
		IS	11 29 12.2							
09	ADK	EP	11 30 2.0							
		ES	11 34 38.0							
09	ASB	IP	11 30 14.8	3.3	.1					
		IS	11 30 19.5							
09	ASD	IP	11 30 15.5	5.7	.1					
		IS	11 30 20.9							
09	ASB	IP	11 30 40.6	7.2	.1					
		IS	11 30 45.2							
09	ASD	IP	11 30 41.2	5.2	.1					
		IS	11 30 46.7							
09	ADK	EP	12 17 17.0							
		ES	12 21 48.0							
09	ADK	EP	14 45 4.3							
		ES	14 45 31.4							
09	ASD	EP	14 45 40.3	.7	.1					
		I(S)	14 45 47.1							
09	ASB	IP	14 45 41.3	2.0	.1					
		I(S)	14 45 47.6							
09	ASD	IP	14 51 15.9	.8	.1					
09	ASB	EP	14 51 16.3	1.2	.1					
09	ASD	IP	15 06 22.3	2.2	.1					
		IS	15 06 39.9							
09	ASB	IP	15 06 22.4							
		IS	15 06 39.2							
09	ADK	EP	15 14 16.2							
		ES	15 14 36.1							
09	ASD	IP	15 14 17.8	2.1	.1					
		IS	15 14 35.9							
09	ASB	EP	15 14 18.7	3.2	.1					
		IS	15 14 37.7							
09	ASB	EP	15 50 52.7							
		IS	15 51 16.6							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	ASD	EP ES	15 50 54.9 15 51 17.1							
09	ASB	IP IS	15 59 43.2 15 59 50.8	1.7	.1					
09	ASD	EP IS	15 59 44.1 15 59 52.4							
09	ASB	IP IS	16 01 32.9 16 01 45.7	4.1	.1					
09	ASD	IP IS	16 01 33.9 16 01 46.5	4.8	.1					
09	ASD	EP ES	16 15 25.4 16 15 46.2	.6	.1					
09	ASB	EP ES	16 15 26.1 16 15 47.8	1.2	.1					
09	ASD	IP ES	17 01 30.0 17 01 40.5	3.8	.1					
09	ASB	IP IS	17 01 31.0 17 01 43.5	5.0	.1					
09	ASD	EP	19 57 36.6	.4	.1					
09	ASB	EP E(S)	19 57 37.6 19 57 46.6	2.2	.1					
09	ASB	IP C ES	20 05 17.0 20 05 29.1	4.3	.1					
09	ASD	EP IS	20 05 17.6 20 05 30.5	1.3	.1					
09	ASD	IPGC IS	23 12 33.0 23 12 43.0	.3	.1					
09	ASB	IPGC ES	23 12 33.8 23 12 44.5	.6	.1					
.....										
10	3 18 27.34	51.99 N 179.07 W DEPTH = 175.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
10	ASD	IP D	03 18 56.0	9.9	.1		129	58	-.0	POSS DEEP
10	ASB	IP I(S)	03 18 56.5 03 19 17.8	18.6	.1		136	58	-.0	LOOKS ODD
10	ASC	IP	03 18 56.5				135	64	-.0	
.....										
10	3 29 38.36	51.42 N 179.82 W DEPTH = 108.2 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
10	ASD	IPGC	03 29 55.1				58	85	-.1	S MINUS P IS
10	ASB	IPGD	03 29 55.8				65	84	.1	APPROX 10.5 AT
10	ASC	IPG	03 29 56.1				71	93	.0	STA. ASB
10	ADK	EP ES	03 30 12.4 03 30 37.3				230	258	-.0 .0	
.....										
10	ADK	EP ES	04 24 35.3 04 24 48.2							
10	ASD	EP E(S)	04 39 52.2 04 40 17.9	1.4	.1					
10	ASB	EP E(S)	04 39 53.2 04 40 19.3	1.8	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	9 16	44.20	61.47 N 146.55 W	DEPTH = 35.0 KM	MB = 4.2					TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
10	ADK	E(P)	09 21 2.5			2103	48			
10	9 25	24.40	11.98 S 166.56 E	DEPTH = 140.0 KM	MB = 5.3					TELESEISMIC SOLUTION
			SANTA CRUZ ISLANDS							
10	ADK	EP	09 35 52.6			7256	198			
10	9 33	32.76	51.06 N 179.93 E	DEPTH = 24.6 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IPGD	09 33 42.5			54	131	-0		POSS T PHASE
10	ASB	IPGC	09 33 43.1	10.3	.1	2.15	58	125	.0	ASD CLIPPED
		E(S)	09 33 50.6					-0		
10	ASC	EPG	09 33 44.8			70	130	-0		
		ES	09 33 53.6					.0		
10	ASD	I(P)	10 41 6.4	3.4	.3					TELE
10	ASD	EP	10 46 52.1	.6	.1					QS
		E(S)	10 47 6.2							
10	ASD	IP	12 43 35.7	1.3	.1					
		E(S)	12 43 54.2							
10	ASB	IP	12 43 35.8	1.4	.1					
		E(S)	12 43 54.3							
10	ASB	IPGC	13 12 30.5	2.7	.1					
10	ASD	IPGD	13 12 30.7	3.2	.1					LOCAL
		I(S)	13 12 35.7							
10	13 14	50.90	17.49 N 101.02 W	DEPTH = 46.0 KM	MB = 5.1	MS = 5.2				TELESEISMIC SOLUTION
			COAST OF MEXICO							
10	ADK	EP	13 25 43.0			7511	90			
10	14 45	27.08	51.25 N 179.28 E	DEPTH = 20.6 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASB	IPGC	14 45 31.2	13.1	.1	-0.16	13	169	.0	
		ES	14 45 34.2						.0	
10	ASD	IPGD	14 45 31.4	6.2	.1	-0.25	15	196	.0	LOCAL
10	ASC	EPG	14 45 32.6				26	160	.0	
10	ASD	EP	15 29 15.6	.6	.1					
		ES	15 29 32.7							
10	ASB	EP	15 29 16.4							
		ES	15 29 33.8							
10	ASB	EPG	15 43 5.0	.5	.1					
10	ASD	IPG	15 43 5.4	.8	.1					
		S	15 43 11.6							
10	ASD	IP	16 08 40.2	1.8	.1					
10	ASB	IP	16 08 40.6	2.2	.1					
		E(S)	16 09 .9							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	16	9	15.41	51.48 N	179.28 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
10	ASD	IPGD	16 09 31.7	13.2	.1	3.07	97	82	.0	
		IS	16 09 43.9						.4	
10	ASB	IPGD	16 09 32.5	23.7	.1	3.43	103	82	-.0	
		ES	16 09 44.6						-.4	
10	ASC	IPG	16 09 33.1				109	88	-.0	
10	16	16	57.30	28.73 N	129.28 E	DEPTH = 63.0 KM MB = 5.2				TELESEISMIC SOLUTION
				RYUKYU ISLANDS						
10	ADK	EP	16 25 14.3				5119	261		
10	ASD	EP	17 00 51.8	.7	.1					
		ILG	17 01 10.5							
10	ASB	EP	17 00 51.8							
		ELG	17 01 10.6							
10	ASD	EP	17 14 47.0	.7	.1					
		E(S)	17 15 2.7							
10	ASB	EP	17 14 48.0							
		E(S)	17 15 3.9							
10	ASB	EP	17 32 54.4	1.8	.1					
		E(S)	17 33 4.5							
10	ASD	EP	17 32 55.3	.6	.1					
		I(S)	17 33 6.5							
10	ASB	IPG	18 08 20.1	5.7	.1					
10	ASD	IPGD	18 08 20.2	7.0	.1					
		ES	18 08 24.9							
10	ASB	EP	18 45 9.8	3.7	.1					
		ES	18 45 27.2							
10	ASD	EPN	18 45 10.6							
		IPG	18 45 11.1	4.9	.1					
		ES	18 45 28.1							
10	21	6	38.30	13.93 N	120.45 E	DEPTH = 80.0 KM MB = 5.6				TELESEISMIC SOLUTION
				PHILLIPINE ISLANDS						
10	ASC	EP	21 16 38.6				6657	254		
10	ASB	EP	21 16 38.7				6660	254		
10	ASD	IP D	21 16 38.9				6666	254		TELE
10	ADK	IP C	21 16 54.9				6954	257		
10	ADK	IP C	23 50 48.1							
		IS	23 50 57.0							
10	ASB	IP D	23 51 12.7	13.2	.2					
		ELG	23 51 40.3							
10	ADK	IP	23 51 49.8							
		IS	23 51 58.5							
10	ASD	EP	23 52 12.8							
10	ASB	IP	23 52 14.2	34.7	.1					
10	ASC	EP	23 52 14.7							
11	ASD	EP	00 15 21.0							
11	ASB	EP	00 15 21.8							
11	ASC	EP	00 15 22.8							
11	ASD	IP	01 14 29.0							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ASB	ES	01 14 54.7							
		EP	01 14 29.8							
		ES	01 14 55.5							
11	ASB	EP	01 41 36.4							
		IS	01 41 48.2							
11	ASD	EP	01 41 37.3							VERY EMERGENT
		ES	01 41 48.9							
11	ASB	IP	02 41 7.4							
		ES	02 41 25.7							
11	ASD	IP	02 41 7.6							
		ES	02 41 25.9							
11	ASC	EP	02 41 9.1							
		ES	02 41 28.8							
11	ANA	EP	02 41 13.1							
.....										
11	3 21 12.00	50.68 N 179.37 E DEPTH = 43.0 KM MB = 3.8						TELESEISMIC SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP	03 21 26.1				78	178	.3	
11	ASB	IP	03 21 26.4				76	173	.7	
11	ASC	IP	03 21 27.1				88	170	-.0	
11	ANB	IP	03 21 29.5				111	158	-.4	
11	ANA	IP	03 21 29.6				117	154	-1.1	
11	ADK	IP	03 21 54.7				312	246	-.0	
		ES	03 22 22.7						-3.3	
.....										
11	5 26 55.40	51.20 N 179.20 W DEPTH = 37.0 KM MB = 4.1						TELESEISMIC SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP	05 27 11.9	25.9	.2	3.17	104	100	-1.0	
11	ASB	IP	05 27 12.6				110	99	-1.0	
11	ASC	IP	05 27 14.2				118	103	-.5	
11	ANA	IP	05 27 19.3				156	107	-.1	
11	ANB	E(P)	05 27 19.4				147	107	1.2	
11	ADK	EP	05 27 24.0				196	248	-.3	
		ES	05 27 47.9						2.5	
.....										
11	ASD	EP	05 51 44.8							
		IS	05 52 3.8							
11	ASB	EP	05 51 45.3							
11	ASD	IP	06 38 43.1							
11	ASB	IP	06 38 43.3							
11	ASC	IP	06 38 44.6							
.....										
11	6 49 17.41	51.43 N 178.50 W DEPTH = 75.0 KM						FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP	06 49 40.6				150	87	-.2	
		ES	06 49 58.1						.2	
11	ASB	IP	06 49 41.5				156	86	-.1	
		IS	06 49 59.4						.2	
11	ASC	IP	06 49 42.5				162	90	.2	
		ES	06 50 0.0						-.4	
11	ANA	EP	06 49 46.6				198	95	.1	
.....										

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....V.....										
11	6	58	37.70	51.00 N	178.87 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP C	06 58 57.8				132	108	-.4	
		IS	06 59 13.0						-.2	
11	ASB	IP D	06 58 59.1				137	106	.2	
		IS	06 59 14.7						.3	
11	ASC	EP	06 59 .1				147	110	.0	
		IS	06 59 16.3						-.1	
11	ANA	EP	06 59 5.1				186	111	.2	
.....										
.....J.....										
11	7	40	34.94	51.61 N	179.30 E	DEPTH = 67.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP	07 40 45.5	8.1	.1		26	354	-.0	
		IS	07 40 53.2						-.0	
11	ASB	EP	07 40 45.6	4.1	.1		28	7	.0	
11	ANA	EP	07 40 46.7				44	92	.0	
.....										
11	ASD	EP	10 04 31.7	1.1	.1					
		IS	10 04 51.2							
11	ASB	EP	10 04 32.2							
		IS	10 04 52.2							
11	ASD	EP	10 06 4.5	1.0	.1					
		ES	10 06 25.6							
11	ASB	EP	10 06 4.8							
11	ASC	IP	10 32 59.7							
11	ASB	IP C	10 32 59.9							
11	ANA	IP	10 33 .2							
11	ASD	IP D	10 33 .6	11.1	.1					
		IS	10 33 6.8							
11	ASB	EP	11 33 57.4	5.1	.2					
		IS	11 34 3.8							
11	ASD	EP	11 33 57.7	3.5	.2					
		IS	11 34 4.4							
.....										
.....										
11	11	59	24.29	51.50 N	178.99 E	DEPTH = 55.6 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	IP	11 59 32.9				12	291	.0	
11	ASB	IP	11 59 33.3	11.9	.2		24	311	-.1	
		ES	11 59 40.2						.1	
11	ASD	IP	11 59 33.8	25.1	.2		28	300	.1	
		IS	11 59 40.4						-.1	
.....										
11	ASB	EP	13 33 15.8							
		ES	13 33 22.8							
11	ASD	EP	13 33 16.0	1.3	.1					
		ES	13 33 22.9							
11	ASD	IP	14 14 24.0	2.7	.1					
		ES	14 14 43.9							
11	ASB	EP	14 14 24.3							
		ES	14 14 44.1							
11	ASB	EP	15 19 20.6	6.7	.1					
11	ASD	IP	15 19 21.5	4.5	.1					
		I(S)	15 19 41.2							
11	ASD	IP	17 38 12.3	7.8	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	17 38 24.6							
11	ASB	EP	18 46 56.3	1.3	.1					
		IS	18 47 6.2							
11	ASD	IP	21 05 39.0	4.6	.1					
		ES	21 05 45.0							
11	ASB	EP	21 05 39.4	1.9	.1					
		ES	21 05 46.1							
11	ASD	EP	21 42 14.3	1.1	.1					
		ES	21 42 33.1							
11	ASB	EP	21 42 14.5	1.5	.1					
		IS	21 42 33.3							
11	ASB	EP	23 29 43.7							
11	ASD	EP	23 29 44.2							
		IS	23 29 49.2							
11	ANB	EP	23 33 15.7							
11	ANA	IP C	23 33 16.0							
		IS	23 33 37.0							
11	ASC	IP	23 33 16.4							
		ES	23 33 37.2							
11	ASD	IP C	23 33 16.5	34.2	.1					
11	ASB	IP	23 33 16.6	25.9	.1					
		IS	23 33 37.8							

.....

12	0 57 43.80	51.45 N 179.51 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	ASD	IP	00 57 57.4	17.1	.1	2.87	80	84	.1	
		IS	00 58 6.7						-.5	
12	ASB	IP	00 57 58.6	35.0	.1	3.31	87	83	.3	
		IS	00 58 8.9						.0	
12	ASC	EP	00 57 59.2				92	90	.1	
		IS	00 58 10.2						-.1	
12	ANA	EP	00 58 4.1				128	98	-.4	
		I(S)	00 58 20.2						.5	

.....

12	ASD	IP	01 23 5.4	9.0	.1					
		IS	01 23 10.2							
12	ASB	IP	01 23 6.1	19.6	.1					
		IS	01 23 11.2							
12	ASB	EP	03 23 25.4	1.9	.1					
		ES	03 23 53.1							
12	ASD	EP	03 23 26.3	1.1	.1					
		ES	03 23 54.6							
12	ASD	IP	03 34 46.7	9.4	.1					
		ES	03 34 58.6							
12	ASB	IP	03 34 47.2	4.3	.1					
		ES	03 34 58.7							
12	ASC	EP	04 24 28.7							
12	ASB	EP	04 24 28.7	11.7	.4					
12	ASD	IP	04 24 29.2	40.0	.4					
12	ASD	EP	06 01 41.0							
12	ASB	EP	06 01 41.4							
		E(S)	06 01 53.8							
12	ASD	EP	09 18 28.1	1.1	.1					
		ES	09 18 37.7							

QP

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....V.....										
12	9 17	59.00	10.83 N 125.39 E	DEPTH = 35.0 KM MB = 5.5 MS = 5.4 TELESEISMIC SOLUTION						
PHILLIPINE ISLANDS										
12	ANA	EP	09 28 .6				6581	246		
12	ASB	EP	09 28 1.8				6608	247		
12	ASD	EP	09 28 2.0				6614	247		TELE
12	ASC	EP	09 28 2.2				6606	247		QP
12	ADK	E	09 28 19.0				6898	251		
.....V.....										
12	ASD	EP	09 53 7.8	1.0	.1					
		ES	09 53 18.5							
12	ASB	EP	09 53 8.7	1.6	.1					QP
12	ASD	EP	10 12 30.9							
		ES	10 12 38.1							
12	ASB	EP	10 31 29.3							QP
12	ASD	EP	10 31 30.7							QP, TELE
12	ASD	EP	10 50 5.2	1.3	.1					NO S VISIBLE
12	ASB	EP	10 50 5.3	1.1	.1					
12	ASD	EP	11 27 5.9							QS
		E(S)	11 27 14.6							
.....V.....										
12	11 31	30.65	51.36 N 179.05 E	DEPTH = 60.8 KM						
RAT ISLANDS, ALEUTIAN ISLANDS										
FREE DEPTH SOLUTION										
12	ASB	IPG	11 31 39.9	4.9	.1		14	269	-.0	
		IS	11 31 46.7						.0	
12	ASD	IPG	11 31 40.2	2.9	.1		20	264	.0	
		ES	11 31 47.1						-.0	
12	ANA	EPG	11 31 41.5				41	137	.0	
.....V.....										
12	ASD	EP	12 34 12.6	1.0	.1					
12	ASB	EP	12 34 13.0	3.4	.1					
		ES	12 34 32.2							
12	ASB	EPG	14 39 51.0	1.2	.1					
		ES	14 39 56.6							
12	ASD	EPG	14 39 51.4	.8	.1					
		ES	14 39 57.4							
12	ANA	IP	15 03 26.9							
		IS	15 03 34.0							
12	ASB	EP	15 03 29.5	1.0	.1					
		ES	15 03 38.2							
12	ASD	EP	15 03 30.4	.8	.1					
.....V.....										
12	17 0	36.64	51.45 N 179.09 E	DEPTH = 76.3 KM						
RAT ISLANDS, ALEUTIAN ISLANDS										
FREE DEPTH SOLUTION										
12	ASD	IP	17 00 47.7	6.0	.1		20	295	-.3	
		IS	17 00 56.5						.3	
12	ASB	EP	17 00 47.7	6.9	.1		15	312	-.1	
		I(S)	17 00 56.1						.1	
12	ANA	EP	17 00 49.1				36	123	.4	
		ES	17 00 57.1						-.4	
.....V.....										
12	ASD	EP	17 46 26.7	2.2	.1					
		ES	17 46 38.8							
12	ASB	EP	17 46 28.7	1.6	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	ASD	EP	18 15 58.7							
12	ASB	EP	18 15 58.9							
12	ASB	EP	21 57 29.4							
12	ASD	EP	21 57 29.6	1.1	.1					
12	ASD	IP	23 51 37.9							
		IS	23 51 43.0							
12	ASB	IP	23 51 38.3	5.4	.1					
		ES	23 51 44.2							
.....										
13	0 17 43.21		50.99 N 178.58 W				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IP	00 18 6.0	10.5	.1	3.69	152	106	-.2	
13	ASB	EP	00 18 6.7				157	104	-.2	
13	ASC	IP	00 18 8.1				166	107	.1	
		ES	00 18 26.5						.4	
13	ADK	EP	00 18 8.9				170	235	.4	
		ES	00 18 26.5						-.5	
.....										
13	ADK	EP	00 41 27.2							
		ES	00 41 55.0							
13	ASD	IP	00 41 54.0							
13	ASB	IP	00 41 54.3	14.1	.2					
		IS	00 42 43.5							
13	ADK	EP	06 37 .1							
		ES	06 37 20.9							
13	ASD	IP	06 37 24.8							
13	ASB	IP	06 37 25.1							
		IS	06 38 8.0							
.....										
13	11 29 4.94		51.10 N 179.07 W				DEPTH = 75.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IP C	11 29 24.1	12.9	.1		115	105	-.2	
		IS	11 29 37.6						-.8	
13	ASB	IP C	11 29 24.9				121	103	-.1	
13	ASC	IP	11 29 26.5				130	108	.5	
		IS	11 29 41.8						.5	
13	ADK	EP	11 29 33.5				194	244	-.1	
		ES	11 29 54.5						.0	
.....										
13	13 14 57.63		51.44 N 179.89 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IP	13 15 5.4				39	80	.2	
		IS	13 15 11.2						.4	
13	ASB	IP C	13 15 6.0				46	79	-.2	
		IS	13 15 12.0						-.4	
13	ASC	IP	13 15 6.9				51	93	-.0	
.....										
13	ADK	EP	15 10 53.9							
		ES	15 12 .9							
13	ASD	EP	15 11 26.2	1.3	.1					
13	ASB	IP	15 11 27.1							
		I	15 11 37.9							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
13	16	0 41.40	60.43 N 152.04 W	DEPTH = 104.0 KM MB = 4.8			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
13	ADK	IP C	16 04 21.2				1783	48		
13	ASD	EP	16 04 46.4				2033	49		
13	ASB	IP	16 04 48.0				2039	49		
13	ASC	EP	16 04 48.5				2037	50		
.....										
.....										
13	16	42 26.49	51.24 N 178.73 E	DEPTH = 24.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASC	IP	16 42 34.0				39	231	-0.0	
13	ASB	IP D	16 42 34.1				38	250	.1	
		IS	16 42 39.3						-0.1	
13	ASD	IP	16 42 34.8	9.9	.1	1.72	45	251	-0.1	
		IS	16 42 41.2						.1	
.....										
13	ASD	EP	17 31 15.7							
		IS	17 31 35.4							
13	ASC	EP	17 31 16.1							
		IS	17 31 35.6							
13	ASB	IP	17 31 16.6							
		IS	17 31 36.1							
13	ASD	EP	19 58 1.5	3.2	.1					
13	ASB	EP	19 58 2.3	3.3	.1					
		ES	19 58 20.0							
13	ASB	IPGD	20 15 4.7	6.6	.1					
		ES	20 15 13.3							
13	ASD	IPGC	20 15 5.6	5.5	.1					
		IS	20 15 14.7							
13	ADK	EP	21 40 32.2							
		ES	21 41 9.9							
13	ASD	EP	21 41 6.0							QP, VERY POOR
13	ASB	EP	21 41 6.9	4.1	.2					QP, V. POOR, REG
13	ADK	IP C	22 10 2.8							
		IS	22 10 17.4							
13	ASD	IPNC	22 55 7.7							
		EPG	22 55 9.1	31.1	.1					
		IS	22 55 28.1							
13	ASB	IP D	22 55 8.8	37.1	.1					
		IS	22 55 29.5							
13	ASC	EPN	22 55 10.7							
14	ASD	EP	03 28 51.4	1.3	.1					
14	ASB	EP	03 28 51.9	1.0	.1					QP
		ES	03 29 9.6							
14	ASD	EP	04 57 53.4	.7	.1					ASB TOO SMALL
		E(S)	04 58 7.7							
14	ASD	EP	06 03 11.7	.7	.1					LOOKS ODD, POOR
14	ASB	EP	06 03 11.9	5.6	.3					
		I(S)	06 03 20.5							
14	ASB	EP	06 20 8.1	1.7	.1					
		ES	06 20 25.2							
14	ASD	IP C	06 20 8.2	4.6	.1					POSS T PHASE
		ES	06 20 25.4							
14	ADK	IP C	07 01 58.9							

JUL 1970	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASD	IS	07 02 14.1							
		IP	07 02 31.6	9.8	.1					
		ES	07 03 11.7							
14	ASB	EPN	07 02 32.5							
		IPG	07 02 33.0	13.5	.1					
		ES	07 03 12.9							
14	ASC	EPN	07 02 33.4							
14	ASD	EP	11 08 3.8							
		ES	11 08 16.5							
14	ASB	IP	11 47 22.7	7.5	.1					
		ES	11 47 29.6							
14	ASD	IP	11 47 23.6	1.3	.1					
		I(S)	11 47 31.3							
14	ASD	IP D	12 26 12.7	1.3	.1					
		ES	12 26 26.9							
14	ASB	IP C	12 26 13.8	.8	.1					
		ES	12 26 28.7							
14	ASB	EP	13 02 43.4	3.0	.1					
14	ASD	EP	13 02 44.2	2.8	.1					
		IPG	13 02 45.4							
		I(S)	13 03 4.2							
14	ASB	EP	13 27 27.1							POOR
14	ASD	E(P)	13 27 27.9							V. POOR
		ILG	13 27 40.1							

.....
 . 14 14 31 55.53 51.52 N 178.62 E DEPTH = 31.1 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 14 ASC EPG 14 32 3.5 38 281 -.0 V. EMERGENT
 . 14 ASB EPG 14 32 4.6 .8 .1 .69 47 293 -.0
 . IS 14 32 11.3 .0
 . 14 ASD EPG 14 32 5.4 1.0 .1 .95 52 288 .0
 . ES 14 32 12.5 -.0
 .

.....
 14 ASB IP 15 10 1.9 2.6 .1
 IS 15 10 20.8
 14 ASD IP D 15 10 2.1 4.9 .1

.....
 . 14 15 27 12.71 51.28 N 179.83 E DEPTH = 34.1 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 14 ASD IPGC 15 27 20.6 20.6 .1 1.65 35 108 -.1
 . IS 15 27 26.5 .1
 . 14 ASB IPGD 15 27 21.3 27.4 .1 2.02 41 103 -.1
 . IS 15 27 27.7 .1
 . 14 ASC EPG 15 27 22.6 50 114 .1
 . ES 15 27 29.5 -.1
 .

.....
 14 ASD IP D 15 29 59.8 5.3 .1
 ES 15 30 13.1
 14 ASB IP 15 30 0.0
 ES 15 30 13.4

14 ASB EP 15 38 19.8 .8 .1
 14 ASD EP 15 38 20.1 .6 .1
 ES 15 38 39.4

14 ASD EPG 15 46 49.9
 ES 15 46 57.8
 14 ASB EPG 15 46 50.8

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASD	EPG IS	16 02 56.2 16 03 2.0	.6	.1					
14	ASB	IPGC ES	16 36 17.7 16 36 27.8	2.3	.1					
14	ASD	IPGD IS	16 36 18.5 16 36 29.1							
14	ASD	EP IS	17 36 51.9 17 37 8.0	.4	.1					
.....										
14	18 48 34.40	51.48 N 174.43 E DEPTH = 39.0 KM MB = 4.9 RAT ISLANDS, ALEUTIAN ISLANDS							TELESEISMIC SOLUTION	
14	ASB	IPND IPG I(S)	18 49 20.6 18 49 21.9 18 49 56.8	32.7	.1		334	274	.4 3.2	
14	ASC	IPNC I(S)	18 49 21.0 18 49 56.1				328	272	1.6 3.8	
14	ASD	IPNC IPG	18 49 21.4 18 49 22.8	33.0	.1		341	274	.4	
14	ADK	IP C I	18 49 56.9 18 51 1.1				622	269	1.3	
.....										
14	19 16 57.89	50.79 N 178.24 E DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION	
14	ASB	IP C IS	19 17 13.9 19 17 25.5	46.2	.1	3.57	95	228	.0 -.1	PROB. CLIPPED
14	ASC	IP I(S)	19 17 14.3 19 17 26.5				99	221	-.1 .1	
14	ASD	IP D IS	19 17 14.7 19 17 26.8	30.7	.1	3.50	101	230	.1 -.1	
.....										
14	ASD	EPN IPG I(S)	20 50 57.1 20 50 58.4 20 51 16.3	2.9	.1					
14	ASB	EP	20 50 57.9	1.7	.1					
14	ASB	EP ES	21 59 21.9 21 59 34.9							QP, QS
14	ASD	EP	21 59 22.2	.8	.1					V. EMERGENT
.....										
14	23 6 48.08	51.00 N 179.12 E DEPTH = 27.8 KM RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
14	ASB	IPGD IS	23 06 56.0 23 07 1.7	47.4	.1	2.26	42	192	-.2 -.5	PROB. CLIPPED
14	ASD	IPGC IS	23 06 56.5 23 07 2.9				45	200	-.2 -.1	
14	ASC	IPGC IS	23 06 57.5 23 07 5.1				52	183	-.2 .4	
.....										
14	ASB	IPG IS	23 09 26.8 23 09 32.6	2.4	.1					
14	ASD	IPG	23 09 27.2	2.0	.1					
14	ASD	IPG IS	23 10 48.1 23 10 53.9	1.8	.1					
14	ASB	IPG	23 10 48.6	3.5	.1					
14	ASB	IPGD	23 16 52.6							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASD	IS	23 16 58.4							
14	ASC	IPGC	23 16 53.0	134.8	.1					
		ES	23 17 .4							
		IL	23 17 1.2							
14	ASB	EPG	23 45 41.2							
		ES	23 45 47.1							
14	ASD	EPG	23 45 41.7	1.0	.1					
15	ASD	EP	00 49 6.1	1.0	.1					
		ILG	00 49 25.3							
15	ASD	IPGC	01 18 22.8	5.0	.1					
15	ASB	IPGD	01 18 23.8	9.0	.1					
		I(S)	01 18 35.4							
15	2 27 52.40	53.21 N 171.02 E	DEPTH = 199.0 KM	MB = 4.0						TELESEISMIC SOLUTION
		NEAR ISLANDS								
15	ASB	EP	02 28 55.9	5.0	.4		598	293		TELE
15	ASD	EP	02 28 56.3	5.3	.3		603	293		POOR, EMERGENT
15	ASB	EPG	02 37 53.3							
		ES	02 37 59.0							
15	ASD	EPG	02 37 53.8	.7	.1					
		ES	02 37 59.9							
15	ASC	IPGD	03 32 26.4							
		IS	03 32 32.3							
15	ASD	IPGD	03 32 26.9	2.8	.1					
		ES	03 32 33.2							
15	3 33 46.01	50.96 N 179.14 E	DEPTH = 21.3 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
15	ASB	IPGD	03 33 54.3				45	190	.0	CLIPPED
		IS	03 34 .2						-.1	
15	ASD	IPGC	03 33 54.7	53.6	.1	2.56	48	197	-.0	
		ES	03 34 1.1						.0	
15	ASC	IPGC	03 33 55.8				56	182	-.0	
		ES	03 34 3.0						.0	
15	3 38 52.24	51.01 N 179.15 E	DEPTH = 29.4 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
15	ASB	IPGD	03 39 .3	27.0	.1	1.96	40	190	-.0	
		IS	03 39 6.2						.0	
15	ASD	IPGC	03 39 .7	18.1	.1	1.91	43	198	-.1	
		ES	03 39 7.0						.0	
15	ASC	IPG	03 39 1.8				51	181	.1	
		ES	03 39 8.6						-.1	
15	ASD	E(P)	05 06 31.3	.8	.1					POOR
15	ASB	E(P)	05 06 32.3	7.5	.2					POOR
15	8 30 4.98	51.44 N 178.04 E	DEPTH = 91.3 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
15	ASC	IPG	08 30 21.6				78	268	-.1	
		ES	08 30 34.1						.1	
15	ASB	IPGC	08 30 22.3	22.4	.1		84	276	.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	ASD	IS	08 30 34.9						-0.0	
15	ASD	IPGD	08 30 23.0	19.7	.1		91	275	.1	
		ES	08 30 35.8						-.1	
15	ADK	EP	08 57 32.9							
		ES	08 57 48.5							
15	ASD	EP	08 57 36.3	1.7	.1					
		I(S)	08 57 56.5							
15	ASB	EP	08 57 37.9	4.7	.2					
15	ASB	IP D	11 44 14.2	3.2	.1					
		IS	11 44 40.1							
15	ASD	IP C	11 44 15.0	1.1	.1					
		E(S)	11 44 41.7							
15	ASD	E(P)	13 06 14.4	3.8	.2					POSS REMNANT S
15	ASB	E(P)	13 06 15.5	8.5	.2					
15	16 27 53.94	51.94 N 178.74 E	DEPTH = 135.3 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
15	ASC	IP	16 28 13.9				61	331	.0	
15	ASB	IP	16 28 14.6	21.4	.1		73	332	-.0	
		IS	16 28 29.8						.0	
15	ASD	IP D	16 28 14.8	17.5	.1		75	327	.0	
		IS	16 28 29.9						-.1	
15	ASB	IPGD	16 34 39.1	4.4	.1					
		ES	16 34 45.3							
15	ASD	IPGC	16 34 39.7	7.4	.1					
		ES	16 34 45.9							
15	ASD	E(P)	17 53 26.6	1.8	.1					POSS REMNANT S
15	ASB	E(P)	17 53 27.3							
15	ADK	IP	18 30 30.7							
		IS	18 30 37.6							
15	ASD	EPG	18 53 40.3	2.2	.1					LOCAL
		IS	18 53 43.5							
15	ASB	EPG	18 53 41.1							
		IS	18 53 44.8							
15	ASB	EP	19 14 56.5	4.4	.1					
		I(S)	19 15 5.1							
15	ASD	EP	19 14 56.7	5.0	.1					
		I(S)	19 15 5.3							
15	ASB	EPG	20 13 9.4							
		IS	20 13 14.6							
15	ASD	EPG	20 13 10.3	2.5	.1					
		IS	20 13 15.8							
15	ASD	EP	22 21 22.4							
15	ASB	EP	22 21 23.3							
		E(S)	22 21 48.3							
15	ASD	EP	23 29 26.4							
		E(S)	23 29 42.2							
15	ASB	EP	23 29 26.7							
		E(S)	23 29 43.0							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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16	2 30	49.04	51.09 N 179.99 W	DEPTH = 24.2 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	ASD	IPGC	02 30 59.0	79.0	.1	2.97	56	124	-.0	LOCAL
		ES	02 31 6.4						.1	
16	ASB	IPG	02 30 59.8				61	119	.1	WHITE OUT
		IS	02 31 7.5						.0	
16	ASC	IPGD	02 31 1.2				72	125	-.1	
		ES	02 31 10.2						-.0	
16	ADK	EP	02 31 26.0				252	251	.0	
		ES	02 31 50.3						-2.6	

16	3 59	22.60	51.39 N 178.50 E	DEPTH = 58.7 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPGD	03 59 32.4				29	202	.0	
		ES	03 59 39.3						-.2	
16	ASC	IPGD	03 59 33.9				47	260	.1	
		IS	03 59 42.4						.5	
16	ASB	IPGD	03 59 34.3	22.4	.1		52	274	.0	
		IS	03 59 42.9						.1	
16	ASD	IPGC	03 59 34.8	17.6	.1		59	272	-.1	
		ES	03 59 43.4						-.5	

16	4 38	41.70	51.21 N 178.78 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASB	IPG	04 38 49.0	9.0	.1	1.36	37	243	-.1	
		IS	04 38 54.3						-.1	
16	ASC	IPG	04 38 49.5				39	224	.1	
		ES	04 38 55.2						.2	
16	ASD	IPG	04 38 50.1	4.5	.1	1.32	44	245	.1	
		IS	04 38 55.7						-.3	
16	ANA	EPG	04 38 50.4				48	170	-.1	

16	ADK	EP	05 05 55.3							
		ES	05 06 8.2							

16	ANA	IP	07 22 49.7							
		ES	07 22 58.9							

16	ASC	EP	07 22 55.7							QP
		IS	07 23 9.2							

16	ASB	EP	07 22 57.2							
		ES	07 23 11.4							

16	ASD	EP	07 22 57.7	2.2	.1					
		ES	07 23 12.4							

16	ADK	EP	07 47 42.2							
		E	07 47 43.5							

		ES	07 47 59.1							
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16	ASD	EPN	07 47 44.2							
		IPG	07 47 45.4	4.3	.1					

		IS	07 48 1.9							
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16	ASB	EP	07 47 45.3	6.2	.1					QS
		ES	07 48 3.9							

16	ASC	EPN	07 47 46.4							
		EPG	07 47 47.8							

16	ANA	EPN	07 47 52.0							QPN
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		IPG	07 47 53.4							
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		ES	07 48 15.3							
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JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	7 38	.80	25.30 S	178.10 W	DEPTH = 225.0 KM MB = 5.2			TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLAND										
16	ASB	EP	07 49 25.4				8491	178		
16	ASD	IP C	07 49 25.6				8493	178		TELE
16	ASC	EP	07 49 26.2				8503	177		
16	ANA	IP D	07 49 27.9				8523	177		
16	ADK	IP D	07 49 28.1				8547	181		
.....										
16	10 35 33.75		51.45 N	178.56 E	DEPTH = 66.3 KM			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPGD	10 35 43.8				21	198	-.2	
		ES	10 35 51.5						.1	
16	ASC	EPG	10 35 45.3				42	268	.1	QPG, POOR
		ES	10 35 53.7						.1	
16	ASB	EPG	10 35 45.8				49	282	.1	
		ES	10 35 54.5						.0	
16	ASD	IPG	10 35 46.3	3.4	.1		55	278	.0	
		ES	10 35 55.1						-.3	
.....										
16	ANA	IP D	10 51 3.3							POOR
		ELG	10 51 22.1							
16	ASD	EP	10 51 6.4	2.9	.1					POOR
16	ASB	EP	10 51 6.5	2.0	.1					POOR
16	ASD	EPG	12 09 38.6	.6	.1					SMALL
		ES	12 09 43.9							
.....										
16	14 58 33.65		51.48 N	178.55 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPGD	14 58 38.6				18	205	-.2	NORTH END LOCAL
16	ASC	IPG	14 58 42.0				43	273	.2	
		ES	14 58 48.3						.6	
16	ASB	EPG	14 58 43.0	3.1	.1	1.39	50	286	.2	
		ES	14 58 49.5						-.0	
16	ASD	IPG	14 58 43.6	2.7	.1	1.50	56	282	-.1	
		ES	14 58 50.2						-.8	
.....										
16	15 39 24.95		51.36 N	179.07 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	ASD	EP	15 39 42.8	2.1	.1	2.49	111	91	-.3	V. POOR
16	ASB	EP	15 39 44.3	1.9	.1	2.53	117	90	.3	V. POOR
		E(S)	15 39 58.0						.0	
16	ASC	EP	15 39 44.9				123	95	-.1	V. POOR
16	ANA	EP	15 39 50.6				161	100	.1	V. POOR
.....										
16	15 43 20.20		25.88 S	177.25 W	DEPTH = 90.0 KM MB = 5.3			TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLAND										
16	ASD	EP	15 55 3.8				8559	177		TELE
16	ASB	EP	15 55 4.0	13.3	.4		8558	177		
16	ASC	EP	15 55 4.6				8569	177		
16	ANA	EP	15 55 5.9				8590	176		
16	ADK	IP C	15 55 6.2				8609	181		

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	16	2	5.83	51.21 N 178.23 E		DEPTH = 0.0 KM			FIXED DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPG	16 02 15.9				55	212	-0.0	
16	ASB	EPG	16 02 19.0				73	257	-0.0	
16	ASD	EPG	16 02 20.3				79	257	-0.0	QS
		ES	16 02 30.8						-0.0	
.....										
16	ASD	EPG	16 26 50.1	1.7	.1					
		ES	16 26 57.1							
16	ASB	EPG	16 26 50.5	1.3	.1					
		ES	16 26 58.0							
16	ASB	IP C	18 22 7.5	3.0	.1					
		IS	18 22 13.3							
16	ASD	IPGD	18 22 7.8	1.7	.1					
		IS	18 22 14.0							
16	ASC	E(P)	18 22 8.8							VERY POOR
.....										
16	19	52	24.96	51.87 N 179.02 W		DEPTH = 125.0 KM			FIXED DEPTH SOLUTION	
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	ASD	EP	19 52 48.9				126	64	.0	
		IS	19 53 6.4						.0	
16	ASB	EP	19 52 49.5				133	64	-0.0	
		ES	19 53 7.4						-0.0	
16	ANA	EP	19 52 52.5				163	80	-0.0	
.....										
16	ASD	EP	19 52 56.1	2.7	.1					
		IS	19 53 12.4							
16	ASB	EP	19 52 56.9	2.8	.1					
		ES	19 53 12.9							
16	ASD	EP	21 17 12.5	3.2	.1					
		ES	21 17 23.5							
16	ASB	EP	21 17 13.0	1.8	.1					
.....										
16	21	17	44.20	19.19 S 173.45 W		DEPTH = 33.0 KM MB = 5.8 MS = 6.0			TELESEISMIC SOLUTION	
TONGA ISLANDS										
16	ADK	EP	21 29 0.0				7874	177		
		ES	21 38 17.0							
.....										
16	ASD	IPN	21 34 32.6							
		IPG	21 34 33.1							
		IS	21 34 44.7							
16	ASB	EPN	21 34 33.5							
		IPG	21 34 34.0	12.0	.1					
		ES	21 34 46.3							
16	ASC	EPN	21 34 35.0							
		IPG	21 34 35.4							
		ES	21 34 49.3							
16	ANA	EPN	21 34 39.8							
17	ADK	EP	00 37 11.7							
.....										
17	0	57	21.46	50.82 N 179.86 W		DEPTH = 25.0 KM			FIXED DEPTH SOLUTION	
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGD	00 57 35.4	20.9	.1	3.03	84	138	-0.1	
		IS	00 57 45.8						.0	
17	ASB	IPGC	00 57 36.0	19.7	.1	3.07	87	134	-0.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	.	IS	00 57 46.6	.	.	.	.	.	-0.0	.
. 17	ASC	IPG	00 57 38.0	.	.	.	99	136	.2	.
. 17	ANA	EP	00 57 43.5	.	.	.	137	131	-0.0	.
.....										
. 17	2 45 37.48	51.00 N 179.04 E DEPTH = 31.1 KM							FREE DEPTH SOLUTION	
.	.	RAT ISLANDS, ALEUTIAN ISLANDS								
. 17	ASB	IPGD	02 45 45.9	28.4	.1	2.06	42	200	-0.1	.
.	.	IS	02 45 52.3	.	.	.	.	.	.1	.
. 17	ASD	IPGD	02 45 46.6	14.7	.1	1.93	46	207	.1	.
.	.	IS	02 45 53.0	.	.	.	.	.	-0.1	.
. 17	ASC	EPG	02 45 47.2	.	.	.	52	189	-0.0	QP
.	.	ES	02 45 54.5	.	.	.	.	.	.1	.
. 17	ANA	IPG	02 45 50.5	.	.	.	74	159	.1	.
.	.	ES	02 45 59.7	.	.	.	.	.	-0.1	.
.....										
. 17	ASD	I(P)	03 04 50.2	3.1	.2	.	.	.	.	.
. 17	ASB	I(P)	03 04 51.3	6.5	.2	.	.	.	.	.
. 17	ADK	EP	05 13 7.3	.	.	.	.	.	.	.
.	.	ES	05 13 37.9	.	.	.	.	.	.	.
. 17	ASD	EP	05 17 44.0	2.5	.1	.	.	.	.	QS
.	.	ES	05 17 55.4	.	.	.	.	.	.	.
. 17	ASB	EP	05 17 44.9	3.9	.1	.	.	.	.	.
.	.	ES	05 17 56.4	.	.	.	.	.	.	.
. 17	ADK	EP	06 27 9.9	.	.	.	.	.	.	.
.	.	ES	06 27 22.3	.	.	.	.	.	.	.
. 17	ASD	EP	06 27 14.7	5.2	.1	.	.	.	.	POOR
.	.	E(S)	06 27 33.8	.	.	.	.	.	.	.
. 17	ASB	EP	06 27 15.3	6.9	.1	.	.	.	.	POOR
.	.	E(S)	06 27 36.1	.	.	.	.	.	.	.
.....										
. 17	7 32 10.10	51.05 N 171.31 W DEPTH = 33.0 KM MB = 4.9							TELESEISMIC SOLUTION	
.	.	FOX ISLANDS, ALEUTIAN ISLANDS								
. 17	ADK	IP D	07 33 1.4	.	.	.	378	102	.	.
.	.	ES	07 33 38.3	.	.	.	.	.	.	.
. 17	ASD	EP	07 33 34.4	20.6	.2	.	655	90	.	REGIONAL
. 17	ASB	EP	07 33 35.7	19.7	.2	.	661	89	.	.
. 17	ASC	EP	07 33 36.8	.	.	.	667	90	.	.
. 17	ANA	IP D	07 33 41.2	.	.	.	702	91	.	.
.....										
. 17	ASD	EP	08 54 58.9	.	.	.	.	.	.	.
.	.	E(S)	08 55 11.7	.	.	.	.	.	.	.
. 17	ASD	IP	12 35 8.2	8.3	.2	.	.	.	.	.
. 17	ASB	IP	12 35 9.2	14.1	.2	.	.	.	.	.
. 17	ASC	IP	12 35 10.0	.	.	.	.	.	.	.
. 17	ANA	EP	12 35 13.9	.	.	.	.	.	.	.
. 17	ANA	EP	12 44 7.5	.	.	.	.	.	.	.
.	.	ES	12 44 29.1	.	.	.	.	.	.	.
. 17	ASB	EPG	12 48 16.6	.	.	.	.	.	.	QP, VERY POOR
.	.	ES	12 48 21.9	.	.	.	.	.	.	.
. 17	ASD	EPG	12 48 17.4	1.0	.1	.	.	.	.	.
.	.	ES	12 48 23.7	.	.	.	.	.	.	.
. 17	ANA	IPG	12 48 17.8	.	.	.	.	.	.	.
.	.	ES	12 48 24.4	.	.	.	.	.	.	.
. 17	ASD	IPG	14 13 50.1	.	.	.	.	.	.	.
.	.	IS	14 13 55.5	.	.	.	.	.	.	.

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	ANA	IP	16 20 22.9							REGIONAL
		E(S)	16 20 32.9							
17	ASC	I(P)	16 20 26.1							
17	ASB	EP	16 20 29.8							
		E(S)	16 20 43.2							
17	ASD	EP	16 20 30.3	2.7	.1					
		E(S)	16 20 44.9							
17	ADK	IP D	16 40 3.7							
		IS	16 40 11.4							
17	ASD	EPN	16 40 36.2							REGIONAL
		IPG	16 40 40.2	8.8	.2					
		ES	16 41 15.0							
17	ASB	EPN	16 40 37.3							
		IPG	16 40 42.0	19.7	.2					
		ES	16 41 16.6							
17	ASC	EPN	16 40 38.1							
		IPG	16 40 42.6							
		ES	16 41 17.3							
17	ANA	EPN	16 40 41.4							QPN
		IPG	16 40 46.1							

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17	17	9 14.19	51.27 N 177.49 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS							
17	ANA	EP	17 09 30.3	91	244	-.0	
		I(S)	17 09 42.1			-.0	
17	ASC	EP	17 09 34.7	118	260	.2	
17	ASB	EP	17 09 34.9	123	266	-.3	
17	ASD	EP	17 09 36.4	129	265	.2	

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17	ANA	EP	18 36 .5							
		ES	18 36 5.5							
17	ASD	IP	18 36 2.7	4.8	.1					
17	ASB	IP	18 36 3.0	3.0	.1					
		ES	18 36 8.9							
17	ASC	IP	18 36 3.3							

.....

17	20	4 46.50	22.10 S 174.71 W	DEPTH = 33.0 KM	MB = 5.6	MS = 6.2	TELESEISMIC SOLUTION
TONGA ISLANDS REGION							
17	ASD	EP	20 16 16.3	8155	174		TELE
17	ASB	EP	20 16 16.4	8154	174		
17	ADK	IP C	20 16 17.8	8193	178		ER 2040050
		ES	20 25 49.0				
		EL	20 34 15.0				
17	ANA	EP	20 16 22.1	8188	174		QP

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17	ANA	IPN	21 00 40.8							
		IPG	21 00 41.3							
		E(S)	21 01 9.4							
17	ASD	IPN	21 00 46.5							
		EPG	21 00 47.9	2.5	.1					
		E(S)	21 01 18.2							
17	ASB	EP	21 00 46.5	1.8	.1					
18	ASC	EP	00 42 38.4							POOR
		E(S)	00 43 8.3							
18	ASB	EP	00 42 38.9							POOR
		ES	00 43 9.8							
18	ASD	EP	00 42 39.6							POOR
		ES	00 43 10.9							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
18	1 48	38.90	51.39 N 178.52 W	DEPTH = 46.0 KM MB = 5.7 MS = 5.9			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	ADK	IP D	01 49 1.1				145	249	.1	
		IS	01 49 18.5						1.4	
18	ASD	IP D	01 49 1.3				149	88	-.2	
18	ASB	IP	01 49 2.0				155	88	-.3	
18	ASC	IP	01 49 3.8				161	92	.8	
18	AND	EP	01 49 5.0				176	95	.1	
18	ANA	EP	01 49 8.6				197	96	1.1	
.....										
18	ASD	IP D	01 53 16.8							OVERLOADED
18	ASB	IP D	01 53 17.7							
18	ADK	EP	01 53 19.0							
		IS	01 53 32.7							
18	ASC	IP C	01 53 19.2							
18	ANA	IP	01 53 24.6							
.....										
18	ASD	EP	01 59 13.1	1.1	.1					
		IS	01 59 33.7							
18	ASB	E(P)	01 59 15.6	1.8	.1					
.....										
18	ADK	EP	02 34 35.9							
		ES	02 34 52.1							
18	ASD	EP	02 34 36.6	8.5	.1					
		IS	02 34 57.6							
18	ASB	EP	02 34 38.1	7.4	.1					
		IS	02 34 57.8							
18	ASC	EP	02 34 39.4							
18	AND	EP	02 34 40.9							
18	ANA	EP D	02 34 44.1							
.....										
18	2 39	59.40	51.03 N 178.38 W	DEPTH = 33.0 KM MB = 4.4			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	ADK	IP	02 40 21.9				157	233	-1.9	
		IS	02 40 38.0						-3.6	
18	ASD	IPND	02 40 23.6				164	103	-1.1	
		IPG	02 40 24.8							
18	ASB	IPNC	02 40 24.4				170	102	-1.0	
		IPG	02 40 25.6							
18	ASC	IPNC	02 40 26.0				178	105	-.4	
18	AND	IPND	02 40 27.9				195	107	-.6	
18	ANA	IPNC	02 40 31.3				217	107	.1	
.....										
18	2 53	49.05	51.62 N 178.72 E	DEPTH = 75.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ANA	IP	02 53 59.9				4	95	.0	
18	AND	IP	02 53 59.9				17	293	-.2	
		IS	02 54 8.2						-.0	
18	ASC	EP	02 54 1.5				35	300	.5	
18	ASB	EP	02 54 1.7				47	309	-.0	
18	ASD	IP	02 54 1.8				51	303	-.3	
.....										
18	ASD	EP	03 02 19.9							
		E(S)	03 02 38.7							
18	ASB	EP	03 02 20.4							
.....										
18	ASD	EP	03 10 19.3							VERY EMERGENT
		ES	03 10 39.9							
18	ASB	EP	03 10 22.6							
18	ASC	EP	03 10 25.1							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
18	ASD	EP	03 11 20.1							
18	ADK	EP	03 11 20.7							
		ES	03 11 37.0							
18	ASB	EP	03 11 22.1							
18	ASC	EP	03 11 24.6							
18	AND	EP	03 11 25.2							
18	ANA	EP	03 11 28.6							
18	ASD	EP	03 24 26.4							
		ES	03 24 43.9							
18	ASB	EP	03 24 28.1							
18	AND	EP	03 24 31.3							
18	ADK	EP	03 38 33.0							
		ES	03 38 52.0							
18	ASD	EP	03 38 33.6							
18	ASB	EP	03 38 35.2							
18	AND	EP	03 38 38.2							
18	ANA	EP	03 38 40.8							

.....										
18	3 54 51.62	51.32 N 178.49 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION						
DEAROF ISLANDS, ALEUTIAN ISLANDS										
.....										
18	ADK	EP	03 55 16.1				146	245	-.0	
		ES	03 55 33.7						-.3	
18	ASD	EP	03 55 16.7				151	91	-.2	
		IS	03 55 34.7						-.7	
18	ASB	EP	03 55 18.0				158	91	.1	
		ES	03 55 36.7						-.4	
18	AND	EP	03 55 21.4				180	98	.2	
18	ANA	EP	03 55 24.9				201	99	.5	
.....										

18	ASD	EP	04 01 24.1	3.6	.1				
		ES	04 01 43.7						
18	ASB	EP	04 01 26.5	2.0	.1				
18	AND	EP	04 01 29.4						
.....									
18	ASD	EP	04 26 45.1	3.1	.1				
		ES	04 27 3.5						
18	ASB	EP	04 26 46.5						
18	ASC	EP	04 26 49.6						
.....									
18	ADK	EP	04 56 49.6						
		ES	04 57 6.3						
18	ASD	EP	04 56 50.2						
		IPG	04 56 51.5						
18	ASB	EP	04 56 51.1						
		IPG	04 56 52.5						
		E(S)	04 57 11.2						
18	ASC	EP	04 56 52.5						
18	AND	EP	04 56 54.7						
18	ANA	EP	04 56 57.7						
.....									
18	ASD	EP	05 07 5.3						
		ES	05 07 25.8						
18	ASB	EP	05 07 6.3						
.....									
18	ASB	IP	05 08 25.2	2.1	.1				
		ES	05 08 40.3						
18	ASD	IP	05 08 25.7	3.4	.1				
18	AND	EP	05 08 27.4						
.....									
18	ASD	EPN	05 32 37.2						
		IPG	05 32 38.4	26.7	.2				
		ES	05 32 56.5						
18	ASB	EPN	05 32 38.0						

JUL 1970	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IPG	05 32 39.2	36.3	.2					
		ES	05 32 57.3							
18	ADK	EP	05 32 37.9							
		ES	05 32 54.5							
18	ASC	EPN	05 32 39.6							
		IPG	05 32 40.9							
		ES	05 32 58.1							
18	AND	EPN	05 32 41.5							
		IPG	05 32 42.6							
		ES	05 33 3.3							
18	ANA	EPN	05 32 45.0							
		IPG	05 32 46.5							
		ES	05 33 9.1							
18	ASB	EP	07 43 29.3							
		ES	07 43 38.2							
18	ASC	EP	07 43 29.6							
		ES	07 43 38.7							
18	ASD	EP	08 03 14.5	1.0	.1					
		ES	08 03 34.6							
18	ASB	EP	08 03 15.1	1.0	.1					
18	ASD	EPN	08 10 18.6							
		ES	08 10 38.2							
18	ASB	E(P)	08 10 21.2	1.3	.1					
18	ANA	EP	08 10 37.7							
18	ADK	EP	08 39 47.4							
		ES	08 40 2.0							
18	ASD	EP	08 40 1.3	2.2	.1					
		ES	08 40 33.0							
18	ASB	EP	08 40 3.5	3.1	.1					
18	ASC	EP	08 40 5.7							
18	AND	EP	08 40 6.4							
18	ANA	EP	08 40 9.2							
18	ASD	IP	08 55 14.9							
		ES	08 55 33.1							
18	ASB	EP	08 55 16.4							
18	ASD	EP	09 46 43.0	2.4	.1					
18	AND	EP	09 46 43.0							
18	ASB	EP	09 46 43.4	2.9	.1					
18	ANA	EP	09 46 43.8							
18	ANA	IP	09 47 45.0							
		IS	09 47 56.3							
18	ASD	IP	09 47 45.2	3.5	.1					
		ES	09 47 55.5							
18	ASB	EP	09 47 45.5	1.8	.1					
18	ASD	EPN	10 10 10.1							
		IPG	10 10 11.1	3.8	.1					
		IS	10 10 29.1							
18	ASB	EPN	10 10 11.0							
		EPG	10 10 11.9	1.9	.1					
		ES	10 10 31.1							
18	AND	EP	10 10 14.4							
.....										
18	10 38 27.94	51.04 N 179.97 E DEPTH = 28.2 KM								FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
18	ASD	IP	10 38 38.4	2.5	.1	1.52	58	130	.0	
		IS	10 38 45.9						-.0	
18	ASB	EP	10 38 38.9	1.4	.1	1.37	62	125	-.0	
		ES	10 38 47.0						.1	
18	AND	EP	10 38 43.3				92	129	.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	10 38 56.9						2.4	
18	ASD	IP C	11 12 .9	5.6	.2					
		IS	11 12 26.9							
18	ASB	IP D	11 12 1.4	5.2	.2					
		ES	11 12 27.7							
18	ADK	EP	11 12 4.8							
		ES	11 12 32.5							
18	AND	EP	11 12 5.2							
		IS	11 12 33.8							
18	12 6 40.71		51.44 N 179.36 E				DEPTH = 61.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASD	EP	12 06 49.9	2.2	.1		7	8	-0.0	
		ES	12 06 56.6						-0.0	
18	ASB	EP	12 06 50.0	2.3	.1		12	39	-0.0	
18	AND	EP	12 06 50.9				31	115	-0.0	
18	12 18 19.69		51.45 N 177.99 E				DEPTH = 0.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	IP D	12 18 28.9				50	247	.0	
		E(S)	12 18 36.7						1.1	
18	AND	EP	12 18 31.2				68	260	-0.8	
		ES	12 18 39.9						-1.1	
18	ASB	EP	12 18 35.9	3.4	.1	2.32	88	277	.5	
		ES	12 18 47.3						.4	
18	ASD	EP	12 18 36.3	2.1	.1	2.22	94	275	-0.1	
		ES	12 18 48.6						.1	
18	ASD	EP	12 22 25.2							
		IS	12 22 43.7							
18	ASB	EP	12 22 27.0							
		IS	12 22 44.2							
18	ANA	EP	15 19 49.6							
18	AND	IP	15 19 50.3							
18	ASB	EP	15 19 50.7	.8	.1					
18	ASD	EP	15 19 51.2	.7	.1					
		ES	15 20 9.6							
18	ANA	EP	15 34 4.6							
18	AND	IP	15 34 4.7							
		ES	15 34 21.5							
18	ASB	EP	15 34 5.1	1.4	.1					
		ES	15 34 22.1							
18	ASD	EP	15 34 6.0	1.3	.1					
18	16 10 45.24		50.64 N 178.29 W				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
18	ASD	EP	16 11 13.2	5.2	.2		185	115	-0.6	
		ES	16 11 34.6						-0.0	
18	ADK	EP	16 11 13.5				183	222	-0.0	
		ES	16 11 30.2						-3.9	
18	ASB	EP	16 11 14.6	7.5	.2		198	114	.2	
18	ASC	EP	16 11 16.3				200	116	.6	
18	AND	EP	16 11 17.9				218	117	.0	
18	ANA	EP	16 11 20.3				239	116	-0.2	
18	ANA	EP	16 45 49.3							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	16 45 57.0							
18	AND	IP	16 45 50.2							
		IS	16 45 58.8							
18	ASD	IP	18 32 13.2	1.3	.1					
		ES	18 32 33.4							
18	ASB	EP	18 32 15.9							
18	ANA	EP	18 47 25.7							
		ES	18 47 56.4							
18	AND	EP	18 47 27.5							
		ES	18 47 59.6							
18	ASB	EP	18 47 28.9							
		IS	18 48 2.1							
18	ASD	EP	18 47 30.5							
18	ANA	IP	19 10 23.6							
18	AND	IP	19 10 24.1							
18	ASB	EP	19 10 24.4	1.2	.1					
18	ASD	EPN	19 36 48.3							
		IPG	19 36 49.8	11.6	.1					
		I(S)	19 37 7.5							
18	ASB	EPN	19 36 49.3							
		IPG	19 36 50.7	13.0	.1					
		ES	19 37 9.6							
18	ADK	EP	19 36 49.3							
		ES	19 37 6.0							
18	ASC	EPN	19 36 51.7							
		IPG	19 36 52.3							
		IS	19 37 12.1							
18	AND	IPG	19 36 53.9							
		ES	19 37 18.6							
18	ANA	EP	19 36 56.4							
		ES	19 37 20.7							
18	ADK	EP	20 46 49.0							
		ES	20 47 4.8							
18	ASD	IPN	20 46 50.6							
		IPG	20 46 51.7	16.1	.1					
		IS	20 47 10.7							
18	ASB	EPN	20 46 51.3							
		IPG	20 46 52.4	18.7	.1					
		ES	20 47 13.0							
18	ASC	EP	20 46 54.0							
18	AND	EP	20 46 55.0							
		ES	20 47 18.8							
18	AND	EP	21 21 45.3							
		IS	21 22 .5							
18	ASC	EP	21 21 46.3							
18	ASB	IP	21 21 48.5	4.0	.1					
18	ASD	IP	21 21 49.2	4.5	.1					
		ES	21 22 7.1							
18	ANA	IP D	22 46 43.4							
		ES	22 47 3.3							
18	AND	E(P)	22 46 43.9							
18	ASB	EP	22 46 48.4							
		ES	22 47 15.0							
18	ASD	EP	22 46 49.4	11.1	.1					
		I(S)	22 47 18.3							
19	ASD	IP	00 25 1.5	4.3	.1					
		IS	00 25 9.1							
19	ASB	IP	00 25 2.1	7.7	.1					
		ES	00 25 10.2							
19	ASB	EP	00 46 43.2	6.4	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	ASD	ES	00 46 56.2							
		EP	00 46 43.5	2.8	.1					
		ES	00 46 56.9							
19	ASD	IP	00 47 44.1	6.0	.1					
		ES	00 47 48.2							
19	ASB	IP	00 47 44.5	2.9	.1					
		ES	00 47 49.2							
19	ASB	EP	02 10 29.9							
		IS	02 10 49.9							
19	ASD	EP	02 10 30.5							
19	ASD	EP	02 39 9.0	3.8	.1					
		IS	02 39 27.4							
19	ASB	EP	02 39 9.5	4.9	.1					
		IS	02 39 27.6							

.....
 . 19 2 55 8.25 51.54 N 179.80 W DEPTH = 0.0 KM FIXED DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

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 . 19 ASD IP D 02 55 19.7 60.2 .1 3.02 63 73 .1
 . IS 02 55 27.4 -.5
 . 19 ASB IP D 02 55 20.5 69 73 -.4
 . IS 02 55 28.8 -1.2
 . 19 ASC IP D 02 55 21.8 72 83 .4
 . IS 02 55 31.1 .1
 . 19 ANA IP C 02 55 26.7 107 94 -.2
 . IS 02 55 40.0 -.5
 .

.....
 . 19 3 25 18.13 51.52 N 179.76 E DEPTH = 0.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 19 ASD IP 03 25 24.3 7.6 .1 1.12 33 61 .1
 . IS 03 25 28.4 -.2
 . 19 ASB IP 03 25 25.4 40 64 -.0
 . IS 03 25 30.9 .2
 . 19 ANA EP 03 25 32.1 77 98 -.1
 . IS 03 25 42.5 .1
 .

.....
 . 19 3 40 42.50 51.10 N 178.17 W DEPTH = 30.0 KM MB = 4.3 TELESEISMIC SOLUTION
 . ANDREANOF ISLANDS, ALEUTIAN IS.
 .

.....
 . 19 ADK IP C 03 41 5.8 140 232 .7
 . IS 03 41 21.0 -.6
 . 19 ASD IP C 03 41 8.5 105.8 .1 4.94 176 99 -1.1
 . 19 ASB IP D 03 41 9.4 183 98 -.9
 . 19 ASC IP C 03 41 11.8 190 101 .5
 . 19 ANA IP 03 41 16.1 228 104 .2
 .

.....
 . 19 4 25 57.36 51.92 N 178.74 E DEPTH = 101.4 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

.....
 . 19 ANA IP 04 26 12.1 33 10 -.0
 . ES 04 26 23.0 .1
 . 19 ASB EP 04 26 14.5 1.9 .1 72 331 .0
 . 19 ASD IP 04 26 14.7 73 326 .1
 . ES 04 26 27.2 -.1
 .

.....
 19 ASD EP 05 02 3.6 1.4 .1
 19 ASB EP 05 02 3.8 1.6 .1
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JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIS $\frac{1}{2}$ (KM)	AZI (DEG)	RES (SEC)	REMARKS
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19	ASD	EP	05 52 4.8	2.1	.1					
19	ASB	EP	05 52 6.2	1.4	.1					
19	ANA	IP	07 05 24.9							
19	ASB	EP	07 05 27.9	1.0	.1					
19	ASD	EP	07 05 28.1	1.1	.1					
19	ADK	EP	07 20 3.4							
		ES	07 20 29.0							
19	ASD	IP D	08 48 25.8	42.4	.1					
		ES	08 48 32.2							
19	ASB	IP C	08 48 26.1							
		IS	08 48 32.7							
19	ASC	IP C	08 48 28.0							
		IS	08 48 39.9							
19	ANA	IP D	08 48 32.8							

.....
 19 9 22 40.10 3.79 S 152.40 E DEPTH = 20.0 KM MB = 5.5 MS = 6.0 TELESEISMIC SOLUTION
 NEW IRELAND REGION

19	ASB	EP	09 32 46.0				6620	212		
19	ASD	EP	09 32 46.3				6625	212		
19	ANA	EP	09 32 46.5				6624	211		
19	ADK	IP C	09 32 58.5				6829	216		
		ES	09 41 22.0							
		ER	09 50 44.0							

19	ASD	EP	09 40 29.9	2.7	.1					
		ES	09 40 50.0							
19	ASB	EP	09 40 31.9	2.5	.1					
19	ANA	E(P)	09 40 39.7							
19	ANA	IP	10 30 24.1							
		IS	10 30 43.1							
19	ASC	EP	10 30 28.6							
19	ASB	EP	10 30 31.1	2.5	.1					
19	ASD	EP	10 30 31.7	4.9	.1					

.....
 19 13 16 34.52 51.21 N 179.77 W DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

19	ASD	EP	13 16 46.8	4.2	.1	1.92	64	106	-.1	
		ES	13 16 55.7						-.3	
19	ASB	EP	13 16 47.6	2.0	.1	1.73	70	103	-.0	
		IS	13 16 57.4						.2	
19	ASC	EP	13 16 48.8				79	110	.1	

.....
 19 13 47 41.78 51.55 N 179.43 E DEPTH = 126.3 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

19	ASD	IP D	13 47 59.0	6.9	.1		20	18	-.1	
		IS	13 48 11.4						-.4	
19	ASC	IP D	13 47 59.3				21	62	.1	
		IS	13 48 12.7						.9	
19	AND	IP D	13 47 59.3				33	92	-.2	
		IS	13 48 12.1						-.3	
19	ASB	IP C	13 47 59.4				25	31	.2	
		IS	13 48 11.8						-.2	
19	ANA	IP C	13 48 .4				54	99	.0	DEEP FOCUS

19 ANA IP 16 00 16.2

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DISE (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	16 00 35.3							
19	AND	EP	16 00 18.6							
19	ASB	EP	16 00 23.0	1.9	.2					
19	ASD	EP	16 00 23.6	2.7	.2					
.....										
19	16	1	40.56	51.34 N	179.68 E	DEPTH = 58.0 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
19	ASD	IP D	16 01 50.0				24	100	.0	OVERLOADED ALL LEVELS
19	ASB	IP C	16 01 50.5				31	94	.1	
		I(S)	16 01 57.3						-.2	
19	ASC	IP D	16 01 51.1				39	110	.1	
19	AND	IP	16 01 52.4				56	116	-.2	
19	ANA	IP	16 01 55.0				78	114	.1	
19	ADK	EP	16 02 17.4				265	258	-.2	
		ES	16 02 44.9						.3	
.....										
19	ADK	EP	16 17 41.8							
		ES	16 17 58.1							
19	ASD	IP D	16 17 42.4	14.6	.1					
		IS	16 17 59.2							
19	ASB	IP	16 17 43.1	21.5	.1					
		IS	16 18 .7							
19	ASC	EP	16 17 44.2							
		ES	16 18 2.5							
19	AND	IP	16 17 45.7							
		ES	16 18 5.1							
19	ANA	IP	16 17 48.4							
		IS	16 18 9.4							
19	ASD	IP	16 31 44.3	5.2	.1					
		E(S)	16 31 49.4							
19	ASB	EP	16 31 44.9	1.9	.1					
		ES	16 31 50.1							
19	ASD	EP	16 45 7.2	16.1	.2					
		ES	16 45 26.7							
19	ADK	EP	16 45 7.9							
		ES	16 45 24.7							
19	ASB	EP	16 45 9.4	17.2	.2					
		ES	16 45 30.0							
19	ASC	EP	16 45 10.9							
19	AND	EP	16 45 12.6							
		ES	16 45 34.5							
19	ANA	EP	16 45 15.5							
		ES	16 45 39.5							
.....										
19	18	35	57.34	50.33 N	178.39 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
19	ASB	EP	18 36 18.4	1.4	.1	2.56	130	208	.1	
		IS	18 36 33.1						-.4	
19	ASD	EP	18 36 19.0	2.0	.1	2.77	134	210	-.0	
19	ANA	EP	18 36 20.3				146	188	-.4	
19	AND	EP	18 36 20.6				143	196	.3	
		ES	18 36 37.4						.4	
.....										
19	ADK	IP D	19 08 34.9							
		IS	19 08 45.5							
19	ASD	EPN	19 08 49.1							
		IPG	19 08 50.7	6.9	.1					
		ES	19 09 12.7							
19	ASB	EPN	19 08 50.2							
		IPG	19 08 52.3	9.0	.1					
		ES	19 09 13.7							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	AND	EP	19 08 52.7							
19	ANA	EP	19 08 55.5							
.....										
19	21 33 42.84		51.38 N 179.77 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IP	21 33 53.6	2.8	.1	1.67	62	89	-.1	
		E(S)	21 35 1.4						-.2	
19	ASB	EP	21 33 54.7	1.9	.1	1.67	68	88	.1	
		E(S)	21 35 3.4						.2	
19	AND	EP	21 33 58.0				91	102	.0	
.....										
19	22 3 51.06		51.66 N 179.35 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IP	22 04 7.2	3.1	.1	2.43	96	70	-.1	
		ES	22 04 19.3						.2	
19	ASB	EP	22 04 8.1	5.5	.1	2.79	103	70	.0	
		IS	22 04 20.4						-.1	
19	AND	EP	22 04 10.0				118	84	.1	
		ES	22 04 23.6						-.1	
.....										
19	ASB	EP	22 45 37.3							
		I(S)	22 45 48.1							
19	ASD	EP	22 45 38.3	.4	.1					
19	ANA	EP	23 27 34.9							
19	AND	EP	23 27 37.9							
19	ASB	IP	23 27 42.4	2.3	.1					
19	ASD	EP	23 27 43.0	1.3	.1					
19	ASD	IP	23 31 10.9	4.6	.1					
19	ASB	EP	23 31 11.1	3.7	.1					
19	ASC	EP	23 31 12.9							
19	ANA	EP	23 31 18.6							
20	ASD	IP	00 14 22.4	5.2	.1					
		IS	00 14 30.5							
20	ASB	IP	00 14 22.6							
		IS	00 14 30.7							
20	ASC	EP	00 14 24.4							
20	AND	I(P)	00 14 26.6							
20	ANA	EP	00 14 29.8							
.....										
20	4 14 34.43		50.76 N 178.15 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	IP	04 14 51.5				103	201	.1	
20	ASD	IP	04 14 51.5	18.5	.1	3.39	108	231	-.6	
20	ASC	IP C	04 14 51.7				106	223	-.1	
		IS	04 15 3.9						-.5	
20	ASB	IP	04 14 51.9	23.4	.1	3.40	102	229	.6	
		IS	04 15 4.4						.8	
20	AND	IP	04 14 52.1				105	213	.3	
.....										
20	4 57 8.54		51.01 N 179.10 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EP	04 57 28.5	8.5	.1	3.18	117	110	-.1	
20	ASB	EP	04 57 29.3	8.1	.1	3.23	122	108	-.2	
20	ASC	EP	04 57 30.9				132	112	.0	
		ES	04 57 47.1						-.1	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	AND	EP	04 57 33.7				149	114	.1	
20	ANA	IP C	04 57 37.0				171	113	.2	
20	ADK	EP	04 57 41.3				200	242	.0	
		ES	04 58 5.0						-.1	
.....										
20	ASD	IP	05 13 16.2							
		ES	05 13 32.0							
20	ASB	IP	05 13 16.9							
		IS	05 13 33.4							
20	ASC	EP	05 13 17.6							
		IS	05 13 34.2							
20	ANA	EP	05 13 21.6							
		ES	05 13 41.9							
20	ASD	EP	05 40 47.8	13.9	.1					
		IS	05 41 3.6							
20	ASB	EP	05 40 48.6	14.8	.1					
		ES	05 41 5.0							
20	ASC	IP	05 40 50.3							
		I	05 41 12.7							
20	AND	E(P)	05 40 53.3							
20	ANA	EP	05 40 56.2							
20	ADK	EP	05 40 57.0							
		ES	05 41 23.7							
20	ASD	EP	05 44 31.8	2.5	.1					
20	ASB	EP	05 44 33.2							
		E(S)	05 44 47.9							
20	ASC	EP	05 44 34.1							
20	ANA	EP	05 44 40.1							
.....										
20	5 53 15.44	51.77 N 176.90 E	DEPTH = 75.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	IP	05 53 35.6				123	278	-.1	
20	AND	IP	05 53 38.1				144	280	-.0	
		ES	05 53 52.1						-2.6	
20	ASC	IP	05 53 40.3				160	283	.2	
20	ASB	IP C	05 53 41.1				169	286	.0	
		ES	05 53 59.4						-.4	
20	ASD	IP	05 53 41.7	28.8	.1		175	285	-.1	
		ES	05 54 1.4						.4	
.....										
20	ASD	IP	08 29 10.8	6.2	.2					
20	ASB	EP	08 29 11.8	3.1	.1					
		E(S)	08 29 30.1							
20	ASC	EP	08 29 13.1							
20	ANA	EP	08 29 18.9							
.....										
20	8 36 56.45	51.55 N 178.60 E	DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	IP D	08 37 .7				9	209	-.2	
20	AND	EP	08 37 2.4				25	268	.1	
20	ASC	IP D	08 37 4.7				41	285	.4	
		IS	08 37 9.9						-.1	
20	ASB	EP	08 37 5.6	1.5	.1	1.06	50	296	-.0	
20	ASD	EP	08 37 6.2	2.0	.1	1.34	55	291	-.2	
		IS	08 37 13.4						-.2	
.....										
20	ASD	EP	10 19 48.1	8.1	.2					
		IS	10 19 59.6							
20	ASB	EP	10 19 49.0	2.3	.1					
20	ASC	EP	10 19 50.5							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DISP (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ANA	EP	10 19 56.8							
20	12 25 43.27		51.63 N 179.90 E				DEPTH = 69.4 KM			FREE DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
20	ASD	EP	12 25 55.6				48	54	.1	
		IS	12 26 4.3						-.1	
20	ASB	IP	12 25 56.0				54	57	.0	
		IS	12 26 5.1						-.2	
20	ASC	IP	12 25 56.2				54	70	.2	
20	AND	IP	12 25 56.9				66	83	-.2	
		ES	12 26 7.0						-.1	
20	ANA	EP	12 25 58.9				85	90	-.2	
		ES	12 26 11.0						.4	
20	14 3 47.55		51.12 N 179.87 W				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
										DELAROF ISLANDS, ALEUTIAN ISLANDS
20	ASD	EP	14 03 58.4	1.0	.1	1.22	62	117	.0	
		ES	14 04 6.3						.0	
20	ASB	EP	14 03 59.1	.8	.1	1.26	67	113	-.1	
		ES	14 04 7.6						-.0	
20	ASC	EP	14 04 .7				77	119	.1	
20	AND	EP	14 04 3.2				95	120	-.2	
20	ANA	EP	14 04 6.7				116	118	.2	
		ES	14 04 14.5						-5.8	
20	ANA	EP	15 37 9.7							
		ES	15 37 36.1							
20	AND	EP	15 37 11.7							
		ES	15 37 39.6							
20	ASB	EP	15 37 12.0	.9	.1					
		ES	15 37 40.1							
20	ASD	EP	15 37 13.6							
		ES	15 37 40.9							
20	15 40 45.20		53.17 N 164.84 W				DEPTH = 33.0 KM MB = 4.4			TELESEISMIC SOLUTION
										UNIMAK ISLAND REGION
20	ADK	EP	15 42 31.8				809	75		
20	ASD	EPN	15 43 3.6	3.1	.1		1097	73		TELESEISMIC
20	ASB	EPN	15 43 4.1	16.1	.2		1103	73		
20	ASC	EPN	15 43 5.2				1106	74		
20	AND	EPN	15 43 6.0				1117	74		
20	ANA	EPN	15 43 8.2				1134	75		
20	16 1 2.80		51.14 N 179.30 W				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
										DELAROF ISLANDS, ALEUTIAN ISLANDS
20	ASD	EP	16 01 18.9	.7	.1	1.81	98	105	-.3	
		ES	16 01 30.5						-.7	
20	ASB	EP	16 01 20.1	1.4	.1	2.21	104	103	.2	
		ES	16 01 32.8						.4	
20	ASC	EP	16 01 21.1				112	108	.1	
		ES	16 01 34.5						.3	
20	ASD	EP	16 35 32.1	.6	.1					TELESEISMIC
20	ASB	EP	16 35 32.8	1.7	.1					
20	ASC	EP	16 35 33.6							
20	ASD	IPN	16 53 28.6							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IPG	16 53 29.8	5.5	.1					
		ES	16 53 46.1							
20	ASB	EP	16 53 30.3	3.3	.1					
20	ASC	EP	16 53 31.0							
		ES	16 53 49.9							
20	AND	EP	16 53 33.0							
20	ANA	EP	16 53 36.1							
20	ASD	EP	17 05 56.4	.7	.1					
20	ASB	EP	17 05 57.1	1.4	.1					
20	ASC	EP	17 05 57.7							
20	ASD	EP	21 18 27.1	1.5	.1					
		ES	21 18 46.6							
20	ASB	EP	21 18 29.1							
20	ASC	EP	21 18 30.1							
20	ANA	EP	21 18 35.1							

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20	22	1	49.02	51.69 N	179.33 E	DEPTH = 95.7 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
20	AND	IP D	22 02 2.8				30	62	-.2
20	ASD	IP D	22 02 3.0		22.1	.1	35	359	-.2
		IS	22 02 13.5						-.1
20	ASB	IP C	22 02 3.3				37	9	-.0
		ES	22 02 13.8						.1
20	ASC	IP	22 02 3.3				28	24	.4
		IS	22 02 13.1						.1
20	ANA	IP C	22 02 3.9				47	81	.1
		IS	22 02 14.6						-.1

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20	23	31	18.03	51.51 N	179.09 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS									
20	ASD	IP	23 31 35.8				110	82	-.1
		IS	23 31 48.8						-.1
20	ASB	IP	23 31 36.9		6.9	.2 2.78	116	81	.2
		IS	23 31 50.2						-.1
20	ASC	IP	23 31 37.4				121	87	.1
		IS	23 31 51.5						.2
20	AND	EP	23 31 38.7				136	92	-.3
20	ANA	EP	23 31 41.7				156	94	.1
		IS	23 31 58.8						.1

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21	AND	IP C	00 11 44.1							
		IS	00 11 46.3							
21	ANA	IP	00 11 45.3							
		IS	00 11 48.6							
21	ASC	EP	00 11 45.4							
		ES	00 11 50.5							
21	ASB	EP	00 11 47.9	1.1	.1					
		ES	00 11 52.6							
21	ASD	EP	00 11 48.2	1.1	.1					
		ES	00 11 53.4							

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21	0	57	5.47	51.46 N	179.30 E	DEPTH = 62.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP C	00 57 14.8			2.7	.1	10	345	-.1
		ES	00 57 21.8							.1
21	ASB	IP D	00 57 14.9			3.1	.1	12	20	-.0
		IS	00 57 21.8							-.0
21	ASC	IP C	00 57 15.1					10	91	.2
21	AND	IP	00 57 15.4					27	115	-.2

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JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	00 57 22.9						-.0	
21	ANA	IP	00 57 17.2				48	112	.1	
.....V.....										
21	1	8	13.70	51.01 N	179.02 E	DEPTH = 31.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IP	01 08 22.3	3.5	.1	1.17	43	202	.0	
		IS	01 08 28.6						.0	
21	ASD	IP	01 08 22.7	2.0	.1	1.08	47	209	-.2	
		ES	01 08 29.6						.0	
21	ASC	EP	01 08 23.5				52	192	-.0	
		ES	01 08 31.0						.3	
21	AND	EP	01 08 25.2				62	176	.3	
		ES	01 08 32.7						-.4	
21	ANA	EP	01 08 26.5				73	160	-.0	
.....V.....										
21	ASC	EP	01 27 28.5							
21	ANA	EP	01 27 43.3							
21	AND	EP	01 27 44.1							
21	ANA	EP	01 29 9.0							
21	AND	EP	01 29 10.3							
21	ASC	EP	01 29 11.3							
21	ASB	EP	01 29 11.6							
21	ASD	EP	01 29 11.7	10.1	.4					
.....V.....										
21	3	2	57.10	49.95 N	77.76 E	DEPTH = 0.0 KM MB = 5.4	TELESEISMIC SOLUTION			
EASTERN KAZAKH SSR										
21	ADK	EP	03 13 10.8				6738	314		
.....V.....										
21	4	49	10.76	50.88 N	178.97 E	DEPTH = 15.6 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IP D	04 49 20.7	27.7	.1	2.54	57	200	.1	
		IS	04 49 27.8						-.0	
21	ASD	IP C	04 49 21.1	8.3	.1	2.13	61	205	-.2	
21	ASC	IP D	04 49 22.0				66	192	-.1	
		IS	04 49 30.5						.2	
21	AND	IP D	04 49 23.4				76	179	-.1	
		IS	04 49 33.0						.2	
21	ANA	IP	04 49 25.3				86	165	.3	
		IS	04 49 35.0						-.4	
.....V.....										
21	ASD	EP	05 32 16.7	2.8	.1					
		E(S)	05 32 34.6							
21	ASB	EP	05 32 18.0	3.5	.1					
		ES	05 32 35.7							
21	ASC	EP	05 32 19.5							
21	AND	E(P)	05 32 20.9							
		ES	05 32 42.7							
21	ANA	EP	05 32 24.1							
		E(S)	05 32 49.0							
.....V.....										
21	7	58	37.42	50.26 N	178.71 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IP D	07 58 57.6	21.1	.2	3.42	128	197	.0	
		ES	07 59 12.2						-.0	
21	ASD	IP D	07 58 58.1	6.4	.2	2.96	132	200	.1	
21	AND	IP	07 58 59.7				146	187	-.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ANA	ES	07 59 15.8						-.2	
		EP	07 59 .4				152	179	-.1	
		ES	07 59 17.6						.3	
.....V.....										
21	10 13 55.91		52.41 N 179.99 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
21	ASD	EP	10 14 17.6	2.2	.1		124	22	-.1	
		ES	10 14 33.0						-.7	
21	ASC	EP	10 14 17.7				120	29	.3	
		ES	10 14 34.1						1.0	
21	ANA	EP	10 14 17.9				127	46	-.2	
		ES	10 14 34.1						-.2	
21	ASB	EP	10 14 18.2	4.4	.1		128	24	.0	
		ES	10 14 34.2						-.2	
.....V.....										
21	10 48 21.70		53.01 N 168.21 W	DEPTH = 54.0 KM			TELESEISMIC SOLUTION			
			FOX ISLANDS, ALEUTIAN ISLANDS							
21	ADK	EP	10 49 40.2				583	74		
		ES	10 50 41.2							
21	ASD	EP	10 50 14.8	8.4	.3		870	73		TELESEISMIC
21	ASB	EP	10 50 15.4	19.5	.4		877	73		
21	ASC	EP	10 50 15.9				879	74		
21	AND	EP	10 50 18.5				890	75		
21	ANA	EP	10 50 20.1				908	75		
.....V.....										
21	ASD	IP	11 11 36.8	2.8	.1					TELESEISMIC
21	ASB	EP	11 11 37.0	1.8	.1					
21	ASC	EP	11 11 37.5							
21	AND	EP	11 11 38.6							
21	ANA	EP	11 11 40.3							
.....V.....										
21	15 49 28.99		51.72 N 179.00 E	DEPTH = 59.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	AND	IPG	15 49 38.3				18	11	.1	
		E(S)	15 49 44.6						-.4	
21	ANA	IPG	15 49 38.8				26	65	.2	
		E(S)	15 49 45.7						.0	
21	ASC	IPG	15 49 39.1				31	339	.1	
21	ASB	EPG	15 49 39.5	2.7	.1		44	337	-.4	
		E(S)	15 49 48.1						.2	
21	ASD	IPG	15 49 40.1	2.7	.1		45	329	.0	
		E(S)	15 49 48.4						.3	
.....V.....										
21	15 55 29.32		51.00 N 177.87 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ANA	IPGC	15 55 44.2				89	219	.0	
21	AND	EPG	15 55 45.4				98	231	-.1	
		E(S)	15 55 59.8						2.5	
21	ASB	IPGD	15 55 46.4	3.1	.1	2.55	104	248	-.0	
		E(S)	15 55 58.9						.0	
21	ASC	EPG	15 55 46.6				104	241	.2	
21	ASD	EPG	15 55 47.4	1.1	.1	2.21	111	248	-.0	
.....V.....										
21	ADK	IP D	16 42 36.4							
		IS	16 42 44.1							
21	ASD	IP D	16 43 4.5	32.8	.2					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ASB	ES	16 43 34.0							
		IP D	16 43 5.4	4.0	.1					
		IS	16 43 36.3							
21	ASC	EP	16 43 6.3							
21	AND	EP	16 43 8.0							
		IS	16 43 43.0							
21	ANA	IP C	16 43 10.9							
.....										
21	17	1 48.92	50.98 N 178.89 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
21	ASD	IP C	17 02 9.9	2.5	.1		131	109	-.2	
		IS	17 02 25.6						-.0	
21	ASB	IP D	17 02 10.9	6.2	.2		137	107	.1	
		ES	17 02 26.9						2.5	
		ILG	17 02 28.4							
21	ASC	IP	17 02 11.9				146	111	.0	
		IS	17 02 28.6						.0	
		ILG	17 02 40.1							
21	AND	IP	17 02 13.8				164	112	-.1	
		IS	17 02 32.0						-.2	
21	ANA	IP	17 02 16.7				185	112	.2	
		IS	17 02 36.8						.2	
.....										
21	ASD	EPG	19 08 37.5	1.3	.1					P AND S FOR AND
		ES	19 08 50.6							
21	ASB	EPG	19 08 38.5	2.9	.1					AND ANA UNCERTA
		ES	19 08 52.3							
21	ASC	EPG	19 08 39.3							IN.
21	AND	EPG	19 08 44.8							
		ES	19 08 54.7							
21	ANA	EPG	19 08 47.1							
		ES	19 09 2.1							
.....										
21	23	5 3.00	53.73 N 164.92 W	DEPTH = 33.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			UNIMAK ISLAND REGION							
21	ADK	EP	23 06 53.3				812	71		
21	ASD	IP C	23 07 25.2	5.7	.2		1098	70		TELESEISMIC
21	ASB	IP C	23 07 25.9	8.0	.3		1104	70		
21	ASC	EP	23 07 26.0				1106	71		
21	AND	EP	23 07 28.1				1116	71		
21	ANA	EP	23 07 29.5				1133	72		
.....										
21	ASD	IPGC	23 51 28.7	7.0	.1					
		IS	23 51 40.4							
21	ASB	IPGD	23 51 29.4	15.0	.1					
		IS	23 51 41.4							
21	ASC	IPGD	23 51 29.4							
		IS	23 51 42.4							
21	AND	IPGD	23 51 30.0							
		ES	23 51 43.4							
21	ANA	IPGC	23 51 32.1							
		IS	23 51 46.2							
.....										
22	0	38 8.35	51.29 N 177.72 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IPG	00 38 21.1				75	241	-.1	
		IS	00 38 30.5						-.1	
22	ASC	EPG	00 38 25.3				102	260	.1	
		E(S)	00 38 38.0						.5	
22	ASB	EPG	00 38 25.8				107	266	-.1	
		ES	00 38 38.8						.2	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ASD	EPG ES	00 38 26.9 00 38 39.6				115	266	.0 -.7	
22	ADK	IP C IS	01 01 46.4 01 01 57.5							
22	ASD	IP C ES	01 02 20.9 01 03 .7	13.2	.1					
22	ASB	IP D ES	01 02 21.7 01 03 .8	47.4	.2					
22	ASC	IP IS	01 02 22.6 01 03 2.1							
22	AND	EP IS	01 02 24.2 01 03 5.1							
22	ANA	IP D IS	01 02 27.1 01 03 9.5							
22	ADK	IP IS	02 47 55.2 02 48 11.2							
22	ASD	IP ES	02 47 57.8 02 48 18.1	16.8	.1					
22	ASB	IP ES	02 47 59.0 02 48 20.0	2.9	.1					
22	ASC	EP	02 48 0.0							
22	AND	EP	02 48 2.5							
22	ANA	EP	02 48 5.5							
22	6 53 37.49		51.70 N 179.84 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	IPG ES	06 53 54.8 06 54 7.3	10.1	.1		67	58	.1 -.0	
22	ASB	IPG ES	06 53 55.3 06 54 7.9	5.6	.1		73	59	.1 -.3	
22	ASC	IPGC	06 53 55.5				73	69	.3	
22	AND	IPGD ES	06 53 55.9 06 54 9.6				84	79	-.2 -.1	
22	ANA	IPGD ES	06 53 57.6 06 54 13.0				104	85	-.2 .4	
22	7 18 55.03		51.27 N 177.89 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IPGD I(S)	07 19 7.7 07 19 17.2				66	234	-.1 .1	S UNCERTAIN
22	AND	EPG ES	07 19 9.3 07 19 20.1				81	247	-.1 .2	
22	ASC	EPG	07 19 10.8				91	257	.1	
22	ASB	EPG ES	07 19 11.3 07 19 22.8	2.2	.1		95	265	.2 -.1	
22	ASD	EPG ES	07 19 11.9 07 19 24.1	1.3	.1		102	264	-.0 -.2	
22	ASB	IPGC ES	08 48 5.3 08 48 11.2	2.7	.1					
22	ASD	IPG ES	08 48 5.9 08 48 12.0	1.4	.1					
22	ANA	IP D	09 54 42.7							
22	ASB	EP ES	09 54 46.7 09 55 20.7	9.0	.2					
22	ASC	EP	09 54 47.1							
22	AND	IP ES	09 54 47.2 09 55 15.0							
22	ASD	EP	09 54 48.0	7.1	.2					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	09 55 24.0							
22	ANA	IP	10 29 44.2							AND OBSCURED BY WIND NOISE.
22	ASC	IP C	10 29 49.1							
22	ASB	EP	10 29 50.3	12.8	.2					
		ES	10 30 23.3							
22	ASD	EP	10 29 51.4	12.0	.2					
		ES	10 30 25.1							
.....										
22	13	9 39.80	5.53 S	147.27 E	DEPTH = 165.0 KM	MB = 5.2	TELESEISMIC SOLUTION			
			EAST NEW GUINEA							
.....										
22	ADK	E	13 20 3.5				7224	220		
.....										
.....										
22	13	43 41.16	51.67 N	177.93 E	DEPTH = 75.4 KM		FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
.....										
22	ANA	IPGD	13 43 54.1				51	276	-.1	OVERLOAD
22	AND	IPG	13 43 56.1				72	280	.1	
22	ASC	IPG	13 43 57.9				89	285	.2	
22	ASB	IPG	13 43 58.8				98	291	.2	
		IS	13 44 11.0						-.4	
22	ASD	IPGC	13 43 59.3				103	289	.1	
		I(S)	13 44 12.4						-.0	
22	ADK	EP	13 44 32.0				379	269	-.4	
		ES	13 45 10.2						.4	
.....										
22	ADK	EP	13 54 58.7							
		ES	13 55 15.0							
22	ASD	EPN	13 55 1.4							
		IPG	13 55 2.4	10.1	.2					
		ES	13 55 21.7							
22	ASB	EPN	13 55 3.1							
		EPG	13 55 4.8	18.0	.2					
		ES	13 55 23.6							
22	ASC	EPN	13 55 3.8							
		E(S)	13 55 24.8							
22	ANA	EPN	13 55 11.6							WIND NOISE
22	ADK	EP	16 49 55.3							
		ES	16 50 24.8							
22	ASD	IP	17 45 50.2	3.1	.2					TELESEISMIC
22	ASB	IP	17 45 50.7	3.6	.2					
22	ASC	EP	17 45 52.5							
22	AND	EP	17 45 53.7							
22	ANA	EP	17 45 55.5							
22	ASD	IPGC	18 05 13.9	7.1	.1					LOCAL CAN NOT
22	ASB	IPG	18 05 14.6	12.0	.1					SEE ANY S ARRIV
22	ASC	EPG	18 05 15.3							AL.
22	AND	EPG	18 05 16.3							
22	ANA	IPGC	18 05 18.4							
22	ASD	EPG	19 48 12.0	3.5	.1					AND OBSCURED BY
		I(S)	19 48 19.4							
22	ASB	EPG	19 48 12.6	2.1	.1					WIND NOISE.
		ES	19 48 20.3							
22	ASC	EPG	19 48 14.2							
		E(S)	19 48 23.0							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	20 15	34.55	51.16 N 178.71 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	IPG	20 15 42.9	2.6	.1	1.08	44	239	.1	VERY LOW AMP AT
		IS	20 15 48.7						-.1	
22	ASC	IPG	20 15 43.4				46	223	.2	ASD.
		IS	20 15 49.8						.3	
22	ASD	EPG	20 15 43.7				50	241	-.0	
		IS	20 15 50.1						-.3	
22	ANA	IPG	20 15 43.9				52	176	-.2	
		E(S)	20 15 51.0						.0	
.....										
22	ADK	IP D	21 24 16.4							
		ES	21 24 23.6							
23	ADK	IP	03 32 13.7							
		ES	03 32 34.0							
23	ASD	EP	03 32 41.0	2.4	.1					
23	ASB	EP	03 32 41.7	2.7	.1					
		E(S)	03 33 23.5							
23	ASC	EP	03 32 43.2							
		E(S)	03 33 26.3							
.....										
23	5 44	12.99	51.25 N 179.22 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IP C	05 44 29.3	2.1	.1	2.34	101	97	-.3	
23	ASB	IP C	05 44 31.1	1.8	.1	2.37	107	96	.5	
		IS	05 44 43.1						-.3	
23	ASC	IP C	05 44 31.7				114	101	.0	
		IS	05 44 45.3						.0	
23	AND	EP	05 44 34.0				131	104	-.2	
		ES	05 44 49.9						.3	
.....										
23	6 20	28.58	50.23 N 178.44 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASB	EP	06 20 50.8	8.1	.2	3.12	138	205	-.0	
23	ASD	IP	06 20 51.4				142	207	-.1	
23	ASC	EP	06 20 52.1				146	201	.0	
		ES	06 21 9.2						.1	
23	AND	EP	06 20 53.0				153	194	-.0	
		E(S)	06 21 10.7						-.1	
.....										
23	ASD	EP	06 48 20.8	3.6	.2					
		ES	06 48 38.9							
23	ASC	EP	06 48 22.6							
.....										
23	7 31	42.84	51.65 N 176.47 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ANA	IP	07 32 6.6				152	272	.1	
23	AND	IP	07 32 8.7				172	274	-.2	
		IS	07 32 27.8						-.1	
23	ASC	IP	07 32 11.0				188	277	.2	
23	ASB	IP	07 32 11.6	41.5	.1		195	280	-.1	
		ES	07 32 32.9						.2	
23	ASD	IP	07 32 12.3	24.2	.1		201	280	-.1	
		ES	07 32 33.9						-.1	
.....										
23	ASD	IP C	08 59 23.6	2.1	.1					

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASB	ES	08 59 35.9							
23	ASC	EP	08 59 24.8							
23	ASC	IP D	08 59 25.9							
23	AND	E(S)	08 59 40.8							
23	AND	IP	08 59 29.5							
23	ANA	IS	08 59 46.0							
23	ANA	IP	08 59 32.3							
23	AND	IP	10 45 39.7							
23	ANA	IP	10 45 40.1							
23	AND	IS	10 45 59.4							
23	ASD	EP	10 45 47.2	1.3	.1					
23	ASD	ES	10 46 14.3							
23	ASD	EP	13 13 13.1							ASC AND AND
23	ASB	ES	13 13 27.2							
23	ASB	IP D	13 13 14.5	2.7	.1					OBSCURED BY
23	ASB	ES	13 13 29.1							
23	ANA	IP	13 13 18.9							WIND NOISE.
23	ANA	ES	13 13 38.0							
.....										
23	15 45 14.60	15.71 S 173.85 W	DEPTH = 95.0 KM	MB = 5.4	TELESEISMIC SOLUTION					
TONGA ISLANDS										
23	ADK	EP	15 56 1.1			7489	177			
.....										
23	ANA	IP	18 09 49.2							VERY LOW AMP.
23	AND	IS	18 10 3.9							
23	AND	EP	18 09 51.7							
23	ASC	IS	18 10 6.5							
23	ASC	EP	18 09 52.8							
23	ASB	EP	18 09 53.1							
23	ASD	EP	18 09 56.0							
23	ASD	ES	18 10 15.2							
23	ASD	EP	19 03 23.8	3.8	.1					
23	ASD	ES	19 03 59.9							
23	ASB	EP	19 03 24.6	4.7	.1					
23	ASC	EP	19 03 25.1							
23	AND	EP	19 03 26.6							
23	ANA	EP	19 03 28.0							
.....										
23	20 50 26.52	51.29 N 179.67 E	DEPTH = 55.8 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IP D	20 50 35.7	9.4	.1	25	112	-.0		
23	ASB	IS	20 50 42.3					-.2		
23	ASB	IP D	20 50 36.1	6.5	.1	31	104	-.0		
23	ASC	IS	20 50 43.1					-.0		
23	ASC	IP	20 50 37.1			48	118	.2		
23	AND	IS	20 50 44.7					.3		
23	AND	IP	20 50 38.4			58	121	-.2		
23	ANA	IS	20 50 47.3					-.1		
23	ANA	IP	20 50 41.0			80	118	.1		
23	ANA	IS	20 50 53.5					2.0		
.....										
23	ANA	IP	22 00 36.3							
23	AND	IS	22 00 47.3							
23	AND	IP	22 00 39.1							
23	ASC	IS	22 00 52.5							
23	ASC	IP	22 00 42.0							
23	ASB	EP	22 00 43.1							
23	ASD	EP	22 00 44.6	5.2	.3					
23	ASD	ES	22 01 1.1							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ADK	IP D	22 40 21.9							
		ES	22 40 29.2							
.....V.....										
24	0	21 37.70	51.36 N 178.88 E	DEPTH = 46.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASC	IPG	00 21 45.8				23	241	.0	
		ES	00 21 51.7						.0	
24	AND	IPG	00 21 45.8				23	193	-.0	
24	ANA	IPG	00 21 46.6				33	152	-.0	
.....										
24	ANA	IPN	03 21 52.7							
		IPG	03 21 53.5							
		E(S)	03 22 6.8							
24	AND	EPN	03 21 54.4							
24	ASB	EPN	03 21 57.6							
		E(S)	03 22 13.7							
.....										
24	3	56 57.40	49.80 N 78.17 E	DEPTH = 0.0 KM MB = 5.3			TELESEISMIC SOLUTION			
EASTERN KAZAKH SSR										
24	ANA	EP	04 06 56.3				6508	312		
24	AND	IP C	04 06 57.4				6528	312		
24	ASC	IP D	04 06 58.7				6547	312		
24	ASB	IP C	04 06 59.2	17.9	.4		6559	312		TELE
24	ADK	EP	04 07 10.3				6738	314		
.....										
24	8	2 23.60	52.14 N 171.45 E	DEPTH = 33.0 KM MB = 5.0 MS = 4.1			TELESEISMIC SOLUTION			
NEAR ISLANDS, ALEUTIAN ISLANDS										
24	ANA	IPNC	08 03 29.7				508	279		
24	AND	EPN	08 03 32.2				521	280		QPN
		ES	08 04 23.7							
24	ASC	IPNC	08 03 35.0				538	281		
24	ASB	EPN	08 03 35.5				546	282		
		IPG	08 03 37.4							
		IS	08 04 27.7							
24	ASD	IPNC	08 03 36.2				552	282		LARGE REGIONAL
		EPG	08 03 38.1							
24	ADK	EP	08 04 9.4				822	277		
		E	08 05 27.2							
.....										
24	ASD	IPG	08 16 43.3	1.3	.1		V.SMALL LOCAL			
		ES	08 16 46.2							
24	ASC	IPG	08 16 44.1							
		IS	08 16 47.4							
.....										
24	8	19 25.29	51.08 N 179.79 E	DEPTH = 25.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EPG	08 19 33.8	.6	.1	.48	45	137	-.0	
		E(S)	08 19 40.0						-.0	
24	ASB	EPG	08 19 34.3				48	130	-.0	
24	ASC	EPG	08 19 36.0				61	134	-.0	
.....										

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	10 22 25.73		51.68 N 178.89 E			DEPTH = 69.9 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	ANA	IPGC	10 22 36.1				17	68	-.1	
		IS	10 22 43.9						.1	
24	AND	IPGD	10 22 36.2				14	341	.1	
		IS	10 22 43.4						-.3	
24	ASC	IPGC	10 22 37.0				31	322	.2	
		ES	10 22 45.2						.3	
24	ASD	IPGC	10 22 37.7	2.8	.1		46	317	-.2	
		IS	10 22 46.6						-.1	
24	ASB	IPGD	10 22 37.7	2.5	.1		44	325	.0	
		IS	10 22 46.4						.0	
24	ASD	EP	11 58 45.0	1.8	.1					
		IS	11 59 3.1							
24	ASB	EP	11 58 46.8	1.8	.1					
		ES	11 59 5.0							
24	ASC	EP	11 58 47.5							
		ES	11 59 6.6							
24	AND	EP	11 58 51.7							
24	ANA	EP	11 58 53.0							
24	ANA	EP	12 06 2.4							
24	AND	EP	12 06 3.7							
24	ASC	EP	12 06 4.6							
24	ASD	IP	12 06 4.8	4.9	.2					REG. OR TELE
24	ANA	IP D	12 46 14.7							
		E	12 46 28.4							
24	AND	IP D	12 46 15.2							
		E	12 46 29.8							
24	ASC	EP	12 46 16.3							
24	ASD	IP C	12 46 17.2							
24	ASB	IP D	12 46 17.2							
		E	12 46 33.0							
24	13 51 7.20		55.21 N 165.43 E			DEPTH = 33.0 KM MB = 4.7				TELESEISMIC SOLUTION
			KOMANDORSKY ISLANDS							
24	ANA	EPN	13 53 17.6				965	300		
24	AND	EPN	13 53 19.8				986	300		
24	ASB	EPN	13 53 20.7				1015	300		
24	ASD	EPN	13 53 23.7				1020	300		TELE
24	ASD	EP	13 55 6.5							
24	ASB	EP	13 55 7.5							
24	ASC	EP	13 55 9.8							
24	AND	EP	13 55 12.0							
24	ANA	IP D	13 55 14.0							
24	14 44 15.17		51.88 N 179.37 W			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
24	ASD	IP D	14 44 33.4	2.2	.1		106	57	-.1	
		ES	14 44 46.9						.0	
24	ASB	EP	14 44 34.3				112	58	.1	
		ES	14 44 47.9						-.2	
24	ASC	EP	14 44 34.4				112	65	.2	QP, MAY BE EARLY
		IS	14 44 48.3						.2	
24	AND	IP C	14 44 35.2				121	72	-.1	
24	ANA	IP C	14 44 37.2				139	77	-.1	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ASD	IPG	15 30 40.8	2.1	.1					
		ES	15 30 43.9							
24	ASC	EPG	15 30 41.5							
		ES	15 30 45.4							
24	ASB	EPG	15 30 41.6							
.....										
24	17 29 58.15	51.61 N 179.84 E DEPTH = 202.5 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	ASD	EP	17 30 25.4	2.1	.1		43	52	.1	
		ES	17 30 44.9						-.2	
24	ASB	IP D	17 30 25.5	4.0	.1		49	55	.0	
		IS	17 30 45.4						-.0	
24	ASC	EP	17 30 25.5				49	70	.0	
		ES	17 30 45.4						-.0	
24	AND	EP	17 30 25.8				61	84	-.1	
		ES	17 30 46.2						.1	
24	ANA	EP	17 30 26.6				81	91	-.1	
		ES	17 30 47.7						.1	
.....										
24	AND	EP	18 59 40.2							
24	ASC	EP	18 59 40.5							
24	ANA	EP	18 59 40.5							
24	ASD	EP	18 59 40.6							QS, V. EMERGENT
		ES	18 59 57.4							
24	ASB	EP	18 59 40.8							POOR
.....										
24	20 19 17.56	51.17 N 178.73 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	ASB	IPGD	20 19 25.5	1.4	.1	.75	42	240	-.1	
		IS	20 19 31.2						-.2	
24	AND	IPGD	20 19 26.0				48	200	-.2	
24	ASC	IPGC	20 19 26.1				44	223	.2	
		ES	20 19 32.3						.3	
24	ASD	EPG	20 19 26.6	1.0	.1	.83	48	242	.1	QP, LOCAL
		ES	20 19 32.8						-.2	
24	ANA	IPGC	20 19 26.8				51	175	-.0	
.....										
24	ADK	EP	21 51 2.2							
		ES	21 51 18.5							
24	ASD	IPNC	21 51 4.5							
		IPG	21 51 6.1	10.9	.1					
		E(S)	21 51 24.1							
24	ASB	EP	21 51 5.6	12.2	.1					
24	ASC	IPNC	21 51 6.8							
		EPG	21 51 9.1							
24	AND	EP	21 51 9.1							
		E(S)	21 51 32.6							
24	ANA	IPN	21 51 12.4							
		EPG	21 51 14.7							
.....										
24	22 22 26.72	51.33 N 179.13 W DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
24	ASD	IP	22 22 44.1	3.1	.1	2.59	106	92	-.1	
		ES	22 22 56.8						-.1	
24	ASB	IP	22 22 44.9	3.7	.1	2.76	113	91	-.2	
		IS	22 22 58.7						.2	
24	ASC	EP	22 22 46.0				119	97	-.1	
		IS	22 23 .9						.7	
24	AND	IP	22 22 48.5				135	100	-.0	
		IS	22 23 4.2						-.2	
24	ANA	EP	22 22 52.2				157	101	.5	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	22 23 9.4						-0.5	
24	ANA	IP D	22 41 9.6							
		IS	22 41 32.0							
24	AND	IP D	22 41 10.3							
		ES	22 41 32.9							
24	ASB	IP D	22 41 10.6	4.8	.1					
		ES	22 41 33.2							
24	ASC	IP D	22 41 11.0							
		IS	22 41 33.6							
24	ASD	IP D	22 41 11.4	3.6	.1					
		ES	22 41 33.8							
24	23 12 47.83		51.05 N 179.06 E DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	ASB	IPG	23 12 55.3	7.2	.1	1.28	37	201	.1	
		IS	23 13 .6						-0.0	
24	ASD	IPG	23 12 55.7	2.1	.1	.92	42	209	-0.1	
24	ASC	IPG	23 12 56.7				47	189	.2	
24	AND	IPG	23 12 58.0				58	173	-0.1	
24	ADK	EP	23 38 42.2							
		ES	23 38 54.8							
25	1 53 14.64		51.63 N 179.33 W DEPTH = 50.0 KM							FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EPG	01 53 30.8	2.1	.1	2.26	96	72	-0.1	POOR AMP DEFINI
		ES	01 53 43.1						.4	
25	ASB	EPG	01 53 31.7				103	72	-0.0	TION.
		ES	01 53 43.9						-0.2	
25	ASC	EPG	01 53 32.1				106	79	.1	
		ES	01 53 44.6						-0.1	
25	ANA	I(P)	01 53 36.1				139	89	.0	
25	ASD	EP	02 00 52.5	2.1	.1					
		ES	02 01 10.7							
25	ASB	EP	02 00 52.8							
		ES	02 01 10.6							
25	ASC	EP	02 00 54.3							
		ES	02 01 13.5							
25	4 11 9.31		51.48 N 179.80 E DEPTH = 63.6 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	IPGD	04 11 20.0	6.0	.1		34	70	.1	
		IS	04 11 27.6						-0.1	
25	ASB	IPGD	04 11 20.4	11.6	.1		41	70	-0.0	
		IS	04 11 28.3						-0.2	
25	ASC	IPGD	04 11 20.8				44	87	.1	
		IS	04 11 29.4						.4	
25	AND	IPG	04 11 21.8				59	98	-0.2	
		IS	04 11 31.0						-0.3	
25	ANA	IPGD	04 11 24.3				80	101	.1	
		IS	04 11 35.3						.2	
25	ASD	IP D	05 35 22.4	14.4	.1					
		IS	05 35 42.0							
25	ASB	EP	05 35 23.1	7.6	.1					
		IS	05 35 45.1							
25	ADK	EP	05 35 23.4							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	ASC	ES	05 35 39.5							
		IP	05 35 24.6							
		ES	05 35 48.7							
25	AND	EP	05 35 27.2							
25	ANA	IP	05 35 30.9							
		ES	05 35 54.4							
25	ADK	EP	11 51 42.6							
		ES	11 52 2.2							
.....										
25	14 27 22.93		51.72 N 179.61 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EPG	14 27 32.7	1.5	.1	.82	43	26	-.3	
		ES	14 27 40.7						.3	
25	ASB	EPG	14 27 33.2	2.5	.1	1.20	42	32	-.3	
		ES	14 27 41.0						-.2	
25	ASC	IPG	14 27 33.2				42	47	.2	
		ES	14 27 40.7						.4	
25	ANA	IPG	14 27 35.9				66	81	.3	
		ES	14 27 44.2						-.6	
.....										
25	ASD	IPG	17 37 27.9							VERY LARGE AMP.
		IS	17 37 40.0							
25	ASB	IPG	17 37 28.7							
		IS	17 37 41.8							
25	ASC	IPG	17 37 30.2							
25	AND	IPG	17 37 32.2							
25	ANA	IPG	17 37 35.2							
25	ADK	EP	17 37 40.3							
		ES	17 38 .4							
.....										
25	22 41 10.70		32.18 N 131.69 E	DEPTH = 34.0 KM	MB = 6.1	MS = 7.0				TELESEISMIC SOLUTION
			KYUSHU, JAPAN.							
25	AND	EPN	22 48 40.3				4375	259		TELESEISMIC
25	ASB	EPN	22 48 40.4				4391	260		
25	ASD	EPN	22 48 40.7				4398	260		
25	ADK	EP	22 49 .4				4686	263		
		ES	22 55 24.0							
		ER	23 02 15.8							
.....										
26	ASD	EPN	00 23 10.5							
		ES	00 23 29.8							
26	ASB	EPN	00 23 12.1							
		ES	00 23 31.7							
26	ASC	EPN	00 23 13.4							
		ES	00 23 36.0							
26	AND	E(P)	00 23 13.4							
26	ANA	EPN	00 23 18.7							
26	ASD	EP	05 17 56.6							VERY LOW AMP.
26	ASB	EP	05 17 58.2							NO VISIBLE S.
26	ASC	EP	05 17 59.2							PROB. LOCAL.
26	AND	EP	05 18 2.0							
26	ADK	IP D	06 45 7.6							
		IS	06 45 14.7							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
26	7 10	36.00	32.19 N 131.81 E	DEPTH = 35.0 KM		MB = 6.1	MS = 5.9	TELESEISMIC SOLUTION		
KYUSHU, JAPAN										
.....										
26	ADK	EP	07 18 22.5			467Z	263			
.....										
26	ASD	EP	07 58 1.6	1.3	.1					
		ES	07 58 19.8							
26	AND	EP	07 58 1.6							
26	ASB	IP	07 58 1.8	3.9	.1					
		ES	07 58 20.2							
26	ASC	IP	07 58 1.8							
		ES	07 58 20.3							
26	ANA	EP	07 58 2.1							
26	ANA	IPG	08 41 39.4							
26	AND	IPG	08 41 39.4							
		IS	08 41 48.7							
26	ASC	EPG	08 41 39.7							
26	ASD	EPG	08 41 41.1	1.3	.1					
		ES	08 41 50.8							
26	ASB	EPG	08 41 41.8							
		IS	08 41 51.0							
.....										
26	8 43	29.53	51.71 N 179.86 E	DEPTH = 150.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EP	08 43 50.8	51	44	.1	VERY SMALL			
		ES	08 44 5.7							
26	ASC	EP	08 43 50.8	55	60	-.1				
26	ASB	EP	08 43 51.0	57	48	.0				
		ES	08 44 7.0							
.....										
26	9 18	48.83	51.24 N 179.39 E	DEPTH = 31.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	IPG	09 18 54.6	7.0	.1	-.10	16	168	.0	
		IS	09 18 58.8							
26	ASB	IPG	09 18 54.6	4.5	.1	-.20	17	145	-.1	
		IS	09 18 58.9							
26	ASC	IPG	09 18 56.0	30	148	.1				
26	AND	IPG	09 18 57.8	47	140	-.2				
26	ANA	IPG	09 19 .8	67	130	.1				
.....										
26	ADK	EP	10 12 2.7							
		ES	10 12 18.6							
26	ASD	EP	10 12 3.8	5.0	.1					
		I	10 12 6.9							
		I(S)	10 12 22.1							
26	ASB	EP	10 12 5.1	6.5	.1					
		I	10 12 7.0							
		IS	10 12 23.9							
26	ASC	EP	10 12 6.0							
		I	10 12 7.4							
26	AND	EP	10 12 8.6							
		I	10 12 9.9							
		IS	10 12 38.3							
26	ANA	IP	10 12 11.9							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	11 45	38.84	51.43 N 178.83 E	DEPTH = 41.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	AND	IPGC	11 45 46.1				17	211	.1	
		IS	11 45 51.0						-.2	
26	ASC	IPG	11 45 46.6				24	262	.1	
26	ANA	IPG	11 45 46.6				25	152	.0	
26	ASB	IPGC	11 45 46.9	8.1	.1	.98	30	285	-.1	
		IS	11 45 53.1						.1	
26	ASD	IPGC	11 45 47.5	24.9	.1	1.76	36	280	-.1	
		IS	11 45 54.2						.2	
26	ASD	EPG	12 45 58.5							SHALL AMP.
		ES	12 46 10.1							
26	ASB	EPG	12 45 59.5							
		ES	12 46 11.9							
26	ASC	EPG	12 46 .9							
		ES	12 46 14.0							
26	AND	IPG	12 46 3.0							
26	13 30	8.30	51.43 N 178.50 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	EPN	13 30 30.9				150	87	-.2	
		IPG	13 30 32.1	5.6	.2	3.10				
		ES	13 30 47.3						-.5	
26	ASB	EP	13 30 32.1	5.8	.2	3.19	157	86	.1	
		ES	13 30 49.7						.5	
26	ASC	EP	13 30 32.7				162	90	.1	
		I	13 30 36.3							
26	ANA	IPN	14 36 11.3							VERY POOR
		ES	14 36 32.6							
26	ASC	EPN	14 36 11.3							
		ES	14 36 32.5							
26	ANA	IP	14 45 2.2							
26	ASC	EP	14 45 2.3							
26	AND	IP	14 45 2.8							
		ES	14 45 14.4							
26	ASB	EP	14 45 5.0							
		ES	14 45 18.1							
26	ASD	IP D	14 45 5.0	1.8	.1					
		E	14 45 18.4							
26	15 26	4.50	50.77 N 179.98 E	DEPTH = 32.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IPGD	15 26 18.4				81	146	-.1	LARGE
26	ASB	IPGD	15 26 19.0	24.2	.2	2.79	83	142	.2	
		IS	15 26 28.7						-.5	
26	ASC	IPGC	15 26 20.8				96	143	.2	
26	AND	IPG	15 26 23.2				114	140	-.1	
		ES	15 26 37.3						.4	
26	ANA	IPG	15 26 25.9				133	135	-.0	
26	ADK	EP	15 26 42.7				270	244	-.1	
		ES	15 27 11.0						.2	
26	ASD	EP	19 26 33.4	6.3	.2					
		ES	19 26 48.0							
26	ASB	EP	19 26 34.2	7.6	.2					
		ES	19 26 48.1							
26	ASC	EP	19 26 35.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	AND	EP	19 26 37.8						
26	ANA	E(P)	19 26 41.9						
.....									
26	19 43 14.30	50.47 N 178.28 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
26	ASB	EP D	19 43 33.8	7.8	.1	3.19	120	215	-.0
		IS	19 43 48.0						-.1
26	ASD	IP D	19 43 34.6	12.5	.1	3.46	125	217	-.0
		IS	19 43 49.5						.1
26	ASC	IP D	19 43 35.0				127	210	.2
26	AND	IP C	19 43 35.2				130	202	-.2
26	ANA	IP C	19 43 35.6				131	192	.1
.....									
26	ASD	IPG	21 56 15.4	2.7	.1				
		I	21 56 16.1	2.5	.1				
		IS	21 56 22.9						
26	ASB	IPG	21 56 16.0	2.9	.1				
		IS	21 56 23.6						
26	ASC	IPG	21 56 16.0						
		IS	21 56 23.7						
26	AND	EPG	21 56 16.5						
		ES	21 56 24.8						
26	ANA	IPGD	21 56 18.4						
		IS	21 56 27.5						
.....									
27	0 36 13.23	50.95 N 178.48 E DEPTH = 29.5 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ASB	IPGC	00 36 25.5				70	230	-.0
		IS	00 36 34.4						-.1
27	AND	IPGD	00 36 26.1				75	206	-.2
27	ASC	IPGC	00 36 26.2				74	221	.1
27	ASD	IPGC	00 36 26.4				77	233	-.0
		I(S)	00 36 36.1						.1
27	ANA	IPGD	00 36 26.4				76	190	.1
.....									
27	ADK	IP C	01 37 24.3						
		ES	01 37 40.7						
.....									
27	2 41 33.57	51.00 N 178.53 E DEPTH = 50.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ASB	IPGC	02 41 45.8	10.1	.2	1.98	64	231	-.1
		IS	02 41 54.9						-.0
27	AND	IPG	02 41 46.4				69	205	-.1
27	ASC	IPGC	02 41 46.5				68	221	.1
27	ASD	IPGC	02 41 46.7	3.8	.1	2.01	70	234	.0
		IS	02 41 56.2						.0
27	ANA	IPG	02 41 46.7				70	187	.0
.....									
27	4 24 1.43	51.49 N 178.61 E DEPTH = 65.3 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ANA	IPG	04 24 11.3				16	194	-.0
27	AND	IPG	04 24 11.7				25	251	-.0
27	ASC	I(P)	04 24 12.6				39	274	.0
27	ASB	IPG	04 24 13.1	5.4	.1		47	288	-.1
		IS	04 24 21.8						.1
27	ASD	IPGC	04 24 13.7	2.2	.1		52	284	.0
		IS	04 24 22.5						-.1

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	4 29	51.90	51.63 N 178.98 E	DEPTH = 21.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	IPG	04 29 55.6				7	12	-.1	
		IS	04 29 58.4						-.0	
27	ANA	IPG	04 29 56.9				22	90	-.1	
		IS	04 30 1.0						.3	
27	ASC	EPG	04 29 56.9				22	324	-.2	
		IS	04 30 1.0						.1	
27	ASB	IPG	04 29 58.7	2.4	.1	.69	35	328	-.0	
		IS	04 30 3.4						-.3	
27	ASD	EPG	04 29 59.3				38	318	.2	
		IS	04 30 4.6						.3	
27	4 33	46.90	50.75 N 179.83 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPN	04 34 1.6				91	140	-.5	
		IPG	04 34 2.9	16.9	.1	3.08				
27	ASB	IPN	04 34 2.2				94	136	-.3	
		IPG	04 34 3.4	39.5	.2	3.20				
		IS	04 34 11.7						-2.2	
27	ASC	IP	04 34 5.0				106	138	.7	
27	AND	IP	04 34 7.2				124	136	.1	
		IS	04 34 21.7						-.0	
27	ANA	EP	04 34 9.9				144	132	-.1	
27	ASD	I(P)	06 09 18.2	3.9	.1		S NOT CLEAR			
		E(S)	06 09 36.1							
27	ASB	EPN	06 09 19.1							
27	ASC	IPN	06 09 20.5							
		ES	06 09 41.5							
27	ASB	EPN	06 30 4.5							
		ES	06 30 24.0							
27	ANA	IPND	06 30 4.9							
27	AND	IPNC	06 30 5.2							
27	ASC	IPN	06 30 5.3							
		ES	06 30 24.3							
27	ASD	IPN	06 30 5.3							
		ES	06 30 24.4							
27	ANA	IPN	07 58 9.6				POOR			
		ES	07 58 26.0							
27	ASC	EPN	07 58 9.7							
27	7 59	26.23	51.50 N 179.89 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EP	07 59 39.4	4.3	.1		55	75	-.1	
		ES	07 59 49.1						-.2	
27	ASB	EP	07 59 40.2	2.2	.1		62	75	.1	
		ES	07 59 50.3						.0	
27	ASC	EP	07 59 40.7				66	86	.2	
27	AND	EP	07 59 41.7				80	95	-.2	
		ES	07 59 53.7						.4	
27	ANA	EP	07 59 44.1				101	98	.0	
		ES	07 59 56.8						-.3	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	9 22	6.44	52.24 N 178.94 E	DEPTH = 100.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IPGC	09 22 23.5				71	15	.1	
		IS	09 22 35.8						-.0	
27	ASC	IPGC	09 22 23.5				88	350	-1.3	
27	AND	IPGD	09 22 24.1				76	359	.3	
		IS	09 22 36.4						-.0	
27	ASB	EPG	09 22 26.2	2.0	.1		101	348	.2	
27	ASD	IPGD	09 22 26.4	3.4	.1		100	344	.4	
.....										
27	9 34	20.64	52.14 N 179.12 E	DEPTH = 83.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IPG	09 34 35.6				65	29	-.0	
27	ASC	EPG	09 34 35.7				75	358	-.8	
27	AND	EPG	09 34 36.0				65	10	.4	
		IS	09 34 46.5						-.0	
27	ASB	E(P)	09 34 37.6				87	354	-.0	
27	ASD	IPG	09 34 37.9	2.0	.1		86	350	.4	
		IS	09 34 49.9						.0	
.....										
27	ANA	EP	10 57 24.5							
		ES	10 57 51.0							
27	AND	EP	10 57 27.8							
		ES	10 57 55.5							
27	ANA	EPN	13 10 24.0							TELESEISMIC
27	AND	EPN	13 10 27.5							
27	ASC	EPN	13 10 29.2							
.....										
27	13 35	9.43	52.23 N 178.97 E	DEPTH = 100.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IPG	13 35 26.3				70	17	-.0	
27	ASC	IPG	13 35 26.4				87	351	-1.3	
27	AND	IPG	13 35 27.0				74	1	.3	
		IS	13 35 39.4						.2	
27	ASB	IPG	13 35 29.1	2.9	.1		99	349	.3	
		IS	13 35 42.6						-.3	
27	ASD	IPG	13 35 29.2	5.3	.1		98	345	.4	
		IS	13 35 42.9						.0	
.....										
27	ASD	EP	18 50 57.4							SMALL LOCAL
27	ASB	IP	18 50 57.7							
27	ASC	EP	18 50 59.6							
27	ASD	IPG	19 23 11.7	1.7	.1					
27	ASB	IPG	19 23 12.8	3.5	.1					
		IS	19 23 17.0							
27	ASC	IPG	19 23 13.2							
.....										
27	19 30	20.80	50.06 N 179.96 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EP	19 30 45.2	3.1	.1	3.17	153	163	-.0	
		ES	19 31 2.6						-.4	
27	ASB	EP	19 30 45.4	1.6	.1	2.89	153	160	.1	
		ES	19 31 3.1						.0	
27	ASC	EP	19 30 47.3				166	160	.3	
		ES	19 31 6.6						.6	
27	AND	EP	19 30 48.9				181	156	-.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ANA	ES	19 31 8.8						-.6	
27	ANA	EP	19 30 50.3				197	152	-.5	
27	ANA	ES	19 31 13.3						.6	
27	ANA	IPGD	19 57 10.6							
27	ASC	IS	19 57 20.0							
27	ASC	IPGC	19 57 10.6							
27	AND	IS	19 57 20.0							
27	AND	IPGC	19 57 12.3							
27	ASB	IS	19 57 22.7							
27	ASB	EPG	19 57 14.9							
27	ASB	ES	19 57 27.6							
27	ASD	IPGC	19 57 15.7	2.0	.1					
27	ASD	ES	19 57 28.3							
27	22	3 57.81	50.50 N 178.94 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPG	22 04 14.1				102	196	-.5	SMALL. NO S
27	ASB	EPG	22 04 14.6				98	193	.5	APPARENT.
27	ASC	IPG	22 04 15.6				108	188	.0	
27		I(S)	22 04 28.5						-.0	
27	ANA	IPG	22 04 18.3				127	171	-.1	
28	ASD	IP	00 30 46.4	1.7	.1					
28		IS	00 31 5.3							
28	ASB	IP	00 30 46.9	2.7	.1					
28		I(S)	00 31 7.7							
28	ASC	IP	00 30 48.1							
28		IS	00 31 8.6							
28	AND	EP	00 30 51.2							QP
28		ES	00 31 13.8							
28	ANA	EP	00 30 52.7							
28		ES	00 31 18.0							
28	1	39 26.33	51.38 N 179.10 E	DEPTH = 55.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IPG	01 39 34.9	9.8	.1		10	280	.0	
28		IS	01 39 41.2						.1	
28	ASD	IPG	01 39 35.0	7.8	.1		17	270	-.1	
28		IS	01 39 41.3						-.2	
28	ASC	IPG	01 39 35.1				11	205	.2	
28		ES	01 39 41.2						.1	
28	ANA	IPG	01 39 36.7				41	132	-.1	
28		ES	01 39 44.3						-.0	
28	ASD	EPN	07 33 17.5							
28		EPG	07 33 18.7	6.0	.1					
28	ASB	EPG	07 33 18.9	13.2	.2					
28	ASC	EPN	07 33 19.5							
28		EPG	07 33 20.8							
28	ANA	EPN	07 33 24.3							
28		EPG	07 33 25.7							
28	ADK	IP D	07 45 56.1							
28		IS	07 46 4.6							
28	ASD	EPN	07 46 28.2							VERY POOR AND
28	ASB	EPN	07 46 28.6							EMERGENT
28	ASC	EPN	07 46 30.0							
28	ADK	IP D	07 54 34.1							
28		IS	07 54 42.3							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ASD	EP	09 42 49.2	2.2	.1					
		IS	09 43 7.1							
28	ASB	EP	09 42 50.2							
		IS	09 43 8.4							
28	ASC	EP	09 42 51.8							
28	ASD	IP	13 28 17.2	1.7	.1					
		IS	13 28 31.8							
28	ASB	EP	13 28 18.0	2.8	.1					
		IS	13 28 32.6							
28	ASC	EP	13 28 18.0							
		IS	13 28 32.7							
.....										
28	13 56 39.95	51.29 N 178.97 E DEPTH = 54.7 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASD	IPGC	13 56 49.0	24.5	.1		28	251	-.2	LOCAL
28	ASB	IPGD	13 56 49.0	3.0	.1		21	249	.2	
		IS	13 56 55.2						-.1	
28	ASC	IPGD	13 56 49.1				23	216	.1	
28	AND	IPG	13 56 49.5				30	178	.1	
28	ANA	IPGD	13 56 50.3				43	150	-.1	
.....										
28	ASD	IP	14 43 34.7	3.5	.1					
		IS	14 43 47.6							
28	ASB	EP	14 43 35.5							
		ES	14 43 49.3							
28	ASC	IP	14 43 37.0							
		ES	14 43 51.3							
28	AND	IP	14 43 40.8							
.....										
28	19 28 13.80	54.11 N 165.95 W DEPTH = 92.0 KM MB = 4.8							TELESEISMIC SOLUTION	
		FOX ISLANDS, ALEUTIAN ISLANDS								
28	ADK	EP	19 29 53.8				756	67		
28	ASD	EPN	19 30 24.9				1038	67		REGIONAL
28	ASB	EPN	19 30 25.6				1045	67		
28	ASC	EPN	19 30 26.2				1046	68		
28	AND	EPN	19 30 26.5				1055	69		
28	ANA	EPN	19 30 28.9				1071	69		QP, V. POOR
.....										
28	23 7 23.04	51.22 N 178.81 E DEPTH = 30.5 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IPG	23 07 30.4	5.6	.1	1.01	34	243	-.1	
		IS	23 07 35.8						-.1	
28	ASC	IPG	23 07 30.9				36	222	.1	
		IS	23 07 36.6						.2	
28	AND	IPG	23 07 30.9				39	194	-.2	
		IS	23 07 36.9						-.1	
28	ASD	IPG	23 07 31.5	3.1	.1	1.04	41	245	.2	
		IS	23 07 37.1						-.2	
28	ANA	IPG	23 07 32.0				47	167	-.1	
		ES	23 07 38.9						.3	
.....										
29	0 39 31.25	51.51 N 177.87 E DEPTH = 50.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
29	ANA	IP	00 39 42.8				57	257	.0	
		ES	00 39 51.0						-.2	
29	AND	EP	00 39 44.9				75	266	-.1	
29	ASC	EP	00 39 46.8				90	274	.1	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ASB	ES	00 39 58.6						.6	
29	ASB	EP	00 39 47.8				97	280	.2	
29	ASB	IS	00 39 59.4						-.1	
29	ASD	EP	00 39 48.0	2.5	.1	2.45	103	279	-.3	VERY WINDY
		ES	00 40 .3						-.5	
29	4 33 55.83		51.08 N 179.06 E							DEPTH = 35.8 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
29	ASB	IPG	04 34 3.8	4.4	.1	.89	34	204	.1	
		IS	04 34 9.4						-.1	
29	ASD	IPG	04 34 4.3	2.5	.1	.85	38	212	.0	
		ES	04 34 10.1						-.3	
29	ASC	IPG	04 34 4.9				48	190	.1	
		ES	04 34 11.7						.4	
29	AND	EPG	04 34 6.0				56	172	-.2	
		ES	04 34 13.7						-.0	
29	5 14 27.86		51.33 N 178.62 E							DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
29	ANA	IPGD	05 14 37.2				33	185	.1	
29	ASC	EPG	05 14 37.3				41	249	-.5	
29	AND	EPG	05 14 37.3				35	222	.1	
29	ASB	IPGD	05 14 38.1	9.5	.1	1.66	44	266	.0	
		ES	05 14 45.3						-.2	
29	ASD	IPGC	05 14 39.0	4.3	.1	1.55	51	264	.2	
		ES	05 14 47.0						.3	
29	5 29 56.18		51.25 N 178.57 E							DEPTH = 33.9 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
29	ANA	IPGD	05 30 5.0				42	188	.1	
29	ASC	IPGC	05 30 5.1				48	240	-.5	
29	AND	IPGD	05 30 5.2				44	218	.1	
29	ASB	IPGC	05 30 5.9	6.9	.1	1.68	49	256	.2	
		IS	05 30 12.4						-.3	
29	ASD	IPGD	05 30 6.7	2.8	.1	1.50	55	256	.1	
		I(S)	05 30 14.6						.4	
29	5 58 54.81		51.15 N 178.51 E							DEPTH = 0.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
29	ANA	IPGC	05 59 4.3				54	192	-.3	
		ES	05 59 11.7						-.1	
29	ASB	IPG	05 59 5.2	3.2	.1	1.59	57	246	.1	
		IS	05 59 12.6						-.0	
29	AND	IPGC	05 59 5.2				55	214	.3	
29	ASC	EPG	05 59 5.5				57	233	.2	
		IS	05 59 13.3						.4	
29	ASD	IPGC	05 59 6.1	1.5	.1	1.45	63	247	-.2	
		IS	05 59 14.1						-.6	
29	ASC	IPGC	08 00 54.2							
29	ANA	IPGD	08 00 54.2							
29	AND	IPGD	08 00 54.4							
		ELG	08 01 1.1							
29	ASB	IPGD	08 00 55.1	10.3	.1					
		IS	08 01 1.5							
		ILG	08 01 2.3							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ASD	IPGD ILG	08 00 55.8 08 01 3.8	4.3	.1					
29	8 39 38.83		51.83 N 178.49 E	DEPTH = 93.5 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ANA	IPGC	08 39 52.4				26	333	.0	
29	AND	IPGD	08 39 53.3				44	313	.0	
		I(S)	08 40 3.6						-.2	
29	ASC	IPGC	08 39 54.7				62	312	.2	
29	ASB	IPGD	08 39 55.3	1.4	.1		74	315	-.1	
		IS	08 40 7.7						.1	
29	ASD	IPGC	08 39 55.6	20.6	.2		78	311	-.1	
		ES	08 40 8.1						.0	
29	8 42 34.21		51.22 N 178.52 E	DEPTH = 32.6 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ANA	IPGC	08 42 43.3				46	192	.0	
29	AND	IPGD	08 42 43.5				48	219	-.1	
		IS	08 42 50.6						.2	
29	ASC	EPG	08 42 43.8				52	239	-.3	QP. VERY POOR
29	ASB	EPG	08 42 44.2	2.5	.1	1.36	53	254	.0	
		IS	08 42 51.4						-.0	
29	ASD	EPG	08 42 45.4				59	254	.3	
		I(S)	08 42 52.9						-.1	
29	ASB	IPG	08 47 20.5	3.7	.1					
		IS	08 47 25.2							
29	ASD	IPG	08 47 20.9	1.4	.1					LOCAL
		IS	08 47 25.9							
29	ADK	EP	09 20 45.9							
		IS	09 21 3.0							
29	ANA	EP	09 21 11.9							
29	ASD	EP	09 21 16.3	4.2	.1					REGIONAL
		E(S)	09 22 5.1							
29	ASB	IP	09 21 17.3	3.9	.1					
		E(S)	09 22 7.1							
29	ASC	IP	09 21 18.4							
		E(S)	09 22 9.0							
29	AND	EP	09 21 21.4							QP, V. EMERGENT
		E(S)	09 22 12.1							
29	10 16 19.30		26.02 N 95.40 E	DEPTH = 59.0 KM MB = 6.5				TELESEISMIC SOLUTION		
			BURMA-INDIA BORDER REGION							
29	ANA	EP	10 27 .9				7338	282		
29	AND	IP D	10 27 2.0				7359	282		
		E	10 35 45.5							
29	ASC	EP	10 27 2.5				7376	282		
29	ASB	IP D	10 27 3.2				7384	283		
		I	10 35 47.4							
29	ASD	IP D	10 27 3.7				7390	283		TELE
29	ADK	EP	10 27 17.0				7651	285		ER 1049040
		ES	10 36 15.0							
		EL	10 44 3.0							
29	ASD	EP	10 52 11.8	1.8	.1					
29	ASB	EP	10 52 13.0	6.0	.2					
		ES	10 52 27.2							
29	AND	EP	10 52 13.4							
29	ASC	EP	10 52 14.2							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	11	3	53.74	51.50 N	179.95 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
29	ASD	EP	11 04 4.5	1.4	.1	1.06	51	74	-.2	
		IS	11 04 12.6						-.0	
29	ASB	EP	11 04 5.4				58	74	-.0	
		ES	11 04 13.9						-.0	
29	ASC	EP	11 04 6.2				61	85	.4	
29	AND	EP	11 04 7.3				76	95	-.2	
29	ASD	IPGC	11 57 18.0	6.9	.1					
		IS	11 57 25.4							
29	ASB	IPGD	11 57 18.1	4.0	.1					
29	ASC	EPG	11 57 20.2							QP, V. EMERGENT
29	ASD	EP	13 03 37.4	1.4	.1					
		IS	13 03 55.9							
29	ASB	EP	13 03 37.9							
		ES	13 03 56.3							
29	ASC	EP	13 03 39.7							
29	ANA	EP	13 10 41.9							
29	ASC	IP	13 10 42.0							
		ILG	13 11 10.1							
29	ASB	IP	13 10 43.7	2.7	.1					
		IS	13 11 9.0							
29	ASD	EP	13 10 44.6	1.3	.1					
		I(S)	13 11 10.7							
29	14	50	26.59	51.23 N	178.53 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASC	IPGD	14 50 35.2				51	240	-.7	
		IS	14 50 42.1						-.5	
29	ANA	IPGD	14 50 35.2				45	192	.2	
29	AND	IPGD	14 50 35.5				47	219	.2	
29	ASB	IPGD	14 50 36.1	21.7	.1	2.28	52	254	.1	
		IS	14 50 43.3						.5	
29	ASD	IPGD	14 50 37.0	10.5	.1	2.16	59	254	.0	
		IS	14 50 44.9						.4	
29	17	10	46.88	51.67 N	178.86 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	AND	IPGC	17 10 51.5				13	331	-.1	
		I(S)	17 10 53.8						-1.2	
29	ANA	IPGC	17 10 51.8				14	71	.1	
29	ASC	EPG	17 10 52.0				31	317	-1.5	
		ES	17 10 54.0						-4.3	
29	ASB	IPGC	17 10 55.5	.7	.1	.51	44	322	.4	
		IS	17 11 1.5						.4	
29	ASD	EPG	17 10 55.6	2.8	.1	1.22	47	314	.0	LOCAL
		ES	17 11 1.9						.0	
29	20	38	51.59	50.96 N	178.51 E	DEPTH = 35.9 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGC	20 39 3.9	4.3	.1	2.02	68	230	-.0	
		IS	20 39 12.9						-.0	
29	ASC	IPGC	20 39 4.6				72	220	.1	
29	AND	IPGC	20 39 4.6				74	205	-.1	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	29	ASD	ES 20 39 14.3						.0	
.	29	ASD	IPGC 20 39 4.8	4.2	.1	2.15	74	232	.0	
.	29	ANA	ES 20 39 14.4						-.0	
.	29	ANA	IPGC 20 39 4.9				75	188	.0	
.....										
29	ADK	IP D	21 29 39.9							
		IS	21 29 50.0							
29	ASD	IP	21 30 15.0	15.3	.2					
		E(S)	21 31 .6							
29	ASB	IP	21 30 16.0	20.2	.2					
		E(S)	21 31 1.7							
29	ASC	IP	21 30 16.8							
29	AND	EP	21 30 18.5							
29	ANA	EP	21 30 21.1							
29	ASD	EP	22 45 3.5							SM AND EMERGENT
		ES	22 45 14.3							
.....										
29	23 43 30.99		51.06 N 179.37 E	DEPTH = 42.4 KM					FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	23 43 39.7	3.0	.1	.77	34	166	-.0	
		ES	23 43 46.1						.0	
29	ASD	IPGC	23 43 40.0	2.5	.1	.73	35	177	.2	
		IS	23 43 46.2						.0	
29	ASC	IPGC	23 43 40.4				47	162	-.7	
29	AND	IPGD	23 43 43.3				63	152	.3	
		ES	23 43 51.7						-.0	
.....										
30	0 52 19.50		37.82 N 55.88 E	DEPTH = 19.0 KM					MB = 5.7 MS = 6.6 TELESEISMIC SOLUTION	
			IRAN-USSR BORDER REGION							
30	ANA	EP	01 04 17.2				8658	317		
30	ASB	EP	01 04 19.4				8708	318		
30	AND	EP	01 04 19.7				8677	317		
30	ASD	EP	01 04 20.2	8.8	.3		8711	318		VERY POOR TELE
30	ADK	EP	01 04 31.6				8854	320		
.....										
30	1 38 2.24		51.70 N 179.67 E	DEPTH = 77.8 KM					FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASD	IPGD	01 38 14.8	2.5	.1		43	32	-.1	
		IS	01 38 24.0						-.2	
30	AND	IPGC	01 38 15.2				52	72	-.4	
		ES	01 38 25.1						-.3	
30	ASB	IPGC	01 38 15.3	4.8	.1		48	38	-.0	
		IS	01 38 24.7						-.1	
30	ASC	IPG	01 38 15.4				44	53	.4	
		IS	01 38 24.9						.6	
30	ANA	IPGD	01 38 17.3				70	83	.1	
.....										
30	ASD	EP	01 40 56.0							POOR
30	ASB	EP	01 40 57.0							
30	ASD	EP	02 20 40.5	4.1	.3					TELE
30	AND	EP	02 20 41.0							
30	ASB	EP	02 20 41.9	8.5	.3					
30	ANA	EP	02 20 42.4							
30	ASC	EP	02 20 42.8							
30	ASD	EPG	03 12 38.8							SM AND EMERGENT
		ES	03 12 46.7							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ASB	EPG ES	03 12 39.4 03 12 47.4							
30	AND	EP I(S)	03 43 9.2 03 43 27.9							
30	ANA	EP I(S)	03 43 9.5 03 43 27.9							
30	ASD	IP C I(S)	03 43 10.2 03 43 28.5	4.6	.2					
30	ASB	IP IS	03 43 10.4 03 43 29.0	1.0	.1					
30	ANA	EPN I(S)	04 15 54.8 04 16 28.1							
30	AND	EPN E(S)	04 15 56.1 04 16 32.7							
30	ASB	EPN E(S)	04 15 58.1 04 16 35.5							
30	ASD	EPN EPG E(S)	04 15 59.0 04 16 .3 04 16 37.8	.6	.1					
30	4 23 32.96	51.58 N 178.97 E DEPTH = 72.1 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION								
30	AND	EPG ES	04 23 43.5 04 23 51.2			2	39	.1 .2		
30	ANA	EPG	04 23 43.7			22	105	-.2		
30	ASB	EPG ES	04 23 44.4 04 23 52.7			31	321	.1 .1		
30	ASD	EPG ES	04 23 44.5 04 23 52.5			34	311	.0 -.4		SM.ANDEMURGENT
30	4 57 55.12	51.22 N 178.63 E DEPTH = 47.6 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION								
30	AND	EPG	04 58 5.0			45	210	-.2		SM.AND EURGENT
30	ANA	EPG ES	04 58 5.2 04 58 13.2			46	183	-.2 .4		QS
30	ASB	EPG ES	04 58 5.4 04 58 12.7			46	250	.0 -.1		QS
30	ASD	EPG ES	04 58 6.4 04 58 13.9			53	250	.3 -.2		QP,QS
30	5 7 14.10	51.06 N 178.38 E DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION								
30	AND	EPG	05 07 25.7			69	216	-.3		
30	ANA	EPG I(S)	05 07 25.7 05 07 34.0			66	197	.1 .0		
30	ASB	EPG	05 07 26.0			69	241	-.0		
30	ASD	EPG	05 07 27.1			76	242	.1		SM.AND EURGENT
30	ASD	EP	05 41 48.1	2.7	.3					REGIONAL
30	ASB	EP	05 41 49.0	5.3	.3					NO S VISIBLE
30	AND	EP	05 41 51.4							
30	ANA	EP	05 41 53.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	6	0	39.49	51.41 N	179.35 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASD	EP	06 00 54.9	.6	.1	1.54	88	87	-.3	
		ES	06 01 6.4						-.3	
30	ASB	EP	06 00 56.2				95	86	-.1	
		ES	06 01 7.9						-.6	
30	AND	EP	06 00 59.4				116	98	-.1	
30	ANA	EP	06 01 2.4				137	99	-.2	
.....										
30	ANA	EP	06 07 15.6							
30	AND	EP	06 07 18.6							
30	ASB	EP	06 07 22.2	2.8	.3					
30	ASD	EP	06 07 23.2	4.3	.3					TELE
.....										
30	8	3	55.37	51.26 N	178.59 E	DEPTH = 45.6 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ANA	IPGC	08 04 4.9				41	187	-.1	
		IS	08 04 12.0						.0	
30	AND	IPGC	08 04 5.0				42	217	-.1	
		IS	08 04 12.2						.0	
30	ASB	EP	08 04 5.6	1.2	.1	.87	47	257	-.0	
		ES	08 04 13.1						-.0	
30	ASC	EP	08 04 5.7				46	241	.2	
30	ASD	EP	08 04 6.4				54	257	.0	
		ES	08 04 14.3						-.1	
.....										
30	ANA	EP	09 02 58.7							
30	ASB	EP	09 02 59.5	11.1	.4					
30	AND	EP	09 02 59.5							
30	ASD	EP	09 02 59.6	9.9	.4					TELE
30	ASC	EP	09 03 0.0							QP
.....										
30	9	17	44.36	51.12 N	178.72 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	EPG	09 17 54.3				51	237	-1.0	LOOK ODD
30	ASB	EPG	09 17 55.2				45	234	.5	
		I(S)	09 18 2.1						-.1	
30	AND	IPG	09 17 55.2				52	198	-.1	
30	ANA	IPG	09 17 55.7				56	175	-.2	
30	ASC	EPG	09 17 55.9				49	219	.8	QP
.....										
30	ASD	IPGD	09 25 48.0	45.1	.2					
		ES	09 25 55.1							
30	ASB	IPGD	09 25 48.7	25.3	.2					
		ES	09 25 56.2							
30	ASC	IPGD	09 25 50.1							
30	AND	IPGD	09 25 51.8							
		ELG	09 26 2.7							
30	ANA	IPGC	09 25 54.8							
30	ASD	IP C	09 41 10.2	5.0	.1					
		IS	09 41 37.3							
30	ASB	EP	09 41 11.4	4.9	.1					
30	ASC	EP	09 41 11.6							QP
		IS	09 41 39.4							
30	AND	IP C	09 41 11.7							QS
		ES	09 41 39.6							
30	ANA	IP	09 41 13.9							
		IS	09 41 43.6							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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30	ASB	EP	10 24 29.6							
		E(S)	10 24 47.6							
30	AND	EP	10 24 29.7							
30	ASD	EP	10 24 29.9							
		E(S)	10 24 48.1							

VERY POOR

30	10 47 17.90	51.79 N 178.83 E	DEPTH = 80.2 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

30	ANA	IPG	10 47 29.7			21	33	-0.0
		IS	10 47 38.4					0.0
30	AND	IPG	10 47 30.0			27	341	0.1
		IS	10 47 38.7					-0.0
30	ASB	EP	10 47 31.8			56	329	0.0
30	ASD	EP	10 47 31.9			58	322	-0.0

QP

30	11 0 29.47	51.69 N 179.45 E	DEPTH = 88.5 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

30	ASD	EP	11 00 42.8	1.1	.1	35	12	-0.1
		ES	11 00 52.7					0.0
30	AND	EP	11 00 43.0			37	68	0.0
30	ASB	EP	11 00 43.1	1.1	.1	39	21	0.0
		ES	11 00 53.0					-0.0
30	ANA	IP D	11 00 44.1			55	83	0.0
		ES	11 00 54.7					-0.1

30	ASB	EP	11 13 16.4	5.8	.3			
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30	ANA	IP C	12 09 7.3					
		IPG	12 09 7.7					
30	AND	EP	12 09 8.9					
30	ASB	IP C	12 09 10.1	5.6	.2			
30	ASD	EP	12 09 11.0					

30	ANA	IP	13 09 59.1					
		E(S)	13 10 7.4					
30	AND	EP	13 10 .6					

30	ASD	EP	13 36 .9					
		ES	13 36 12.4					
30	ASB	EP	13 36 1.6					
		ES	13 36 13.3					
30	AND	EP	13 36 4.0					

30	13 38 44.10	52.03 N 179.42 E	DEPTH = 186.6 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

30	AND	IP C	13 39 9.8			62	32	-0.2
		ES	13 39 28.7					-0.1
30	ASD	EP	13 39 10.2	2.8	.1	73	4	-0.3
		ES	13 39 29.3					-0.4
30	ANA	IP C	13 39 10.4			69	49	0.1
		ES	13 39 29.2					-0.2
30	ASC	IP	13 39 10.5			66	16	0.4
		ES	13 39 29.8					0.6
30	ASB	IP C	13 39 10.6	3.4	.1	78	9	0.0
		ES	13 39 30.1					0.2

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	13 44	11.49	52.24 N 179.83 E	DEPTH = 175.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	EP	13 44 37.8				97	38	-.1	
30	ASD	IP	13 44 38.0	1.5	.1		102	19	-.2	
		ES	13 44 57.6						-.1	
30	ASC	EP	13 44 38.3				98	28	.3	
30	ANA	EP	13 44 38.4				106	49	-.1	
30	ASB	IP	13 44 38.5	2.9	.1		106	22	.0	
		ES	13 44 58.3						.1	
30	ASD	EP	16 01 54.6	2.4	.1		REGIONAL			
30	ASB	EP	16 01 55.4	1.8	.1					
30	ASC	EP	16 01 55.7							
30	AND	EP	16 01 56.1							
30	ANA	EP	16 01 58.3							
30	16 12	17.39	51.50 N 179.80 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPGC	16 12 24.5	12.2	.1	1.39	35	66	.0	
		ES	16 12 29.6						-.0	
30	ASB	IPGD	16 12 25.2	10.3	.1	1.60	42	68	-.2	
		ES	16 12 30.7						-.5	
30	ASC	IPG	16 12 26.2				44	84	.5	
		ES	16 12 32.6						.8	
30	AND	IPGD	16 12 27.7				59	96	-.2	
30	ANA	IPGD	16 12 30.8				80	99	-.1	
		ES	16 12 40.5						-.3	
30	17 47	47.84	51.13 N 178.18 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ANA	IPNC	17 47 59.5				64	212	.0	
30	AND	IPND	17 48 .6				72	229	-.3	
30	ASB	IPGD	17 48 2.1	4.3	.1	2.24	78	252	.0	
		ES	17 48 12.5						.0	
30	ASC	EPG	17 48 2.6				78	242	.7	QP
30	ASD	IPGD	17 48 2.9	1.7	.1	1.97	85	252	-.2	
		ES	17 48 14.0						-.3	
30	19 12	18.86	51.23 N 179.40 E	DEPTH = 31.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPG	19 12 24.6	3.5	.1	-.36	16	167	.0	
		IS	19 12 28.8						.1	
30	ASB	IPG	19 12 24.6	1.9	.1	-.52	18	144	-.1	
		IS	19 12 28.9						.0	
30	ASC	IPG	19 12 26.0				30	148	.1	
		ES	19 12 31.0						-.0	
30	AND	IPG	19 12 27.9				48	140	-.2	
30	ANA	EPG	19 12 30.9				67	130	.1	
30	19 36	4.01	51.81 N 179.76 E	DEPTH = 88.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPGC	19 36 18.6	74.2	.1		57	31	-.1	
		ES	19 36 29.7						.2	
30	ASC	IPGC	19 36 18.9				57	46	.1	
30	ASB	IPGC	19 36 19.1				62	35	-.0	

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	19 36 30.1							
30	AND	IPG	19 36 19.2				62	63	-.1	
		ES	19 36 30.1						.0	
30	ANA	IPGC	19 36 20.6				79	74	-.2	
30	ADK	EP	19 36 40.0				252	270	.0	

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30	21 41 3.75	51.59 N 179.60 E DEPTH = 96.9 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPGC	21 41 17.8	1.0	.1		29	37	-.1	
		IS	21 41 28.0						-.1	
30	ASB	EPG	21 41 18.1	1.0	.1		35	44	.0	
		ES	21 41 28.5						-.1	
30	ASC	EPG	21 41 18.3				33	65	.3	
		ES	21 41 28.6						.2	
30	AND	EPG	21 41 18.3				45	86	-.3	
30	ANA	EPG	21 41 20.0				65	94	.1	

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31	4 0 1.68	51.34 N 179.53 W DEPTH = 25.0 KM				FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	EPG	04 00 14.9	1.0	.1 1.60		78	92	-.1	
		ES	04 00 24.5						-.2	
31	ASB	EPG	04 00 16.0				85	91	.1	
		ES	04 00 26.5						.2	
31	AND	EPG	04 00 19.5				108	103	.1	
		ES	04 00 32.4						.1	
31	ANA	EPG	04 00 22.5				129	103	-.1	
		IS	04 00 37.7						-.1	

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31	5 54 1.15	50.96 N 179.31 W DEPTH = 25.0 KM				FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	EPG	05 54 18.3	1.4	.2 1.92		105	116	-.1	
		ES	05 54 30.4						-.5	
31	ASB	EPG	05 54 19.2				118	113	.0	
31	ASC	EPG	05 54 21.1				120	117	.4	
		IS	05 54 35.4						.5	
31	AND	EPG	05 54 22.9				138	118	-.5	
31	ANA	EPG	05 54 26.6				159	117	.1	

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31	ASD	EP	08 13 29.6	3.2	.1	TELESEISMIC				
31	ASB	EP	08 13 30.2	17.1	.3					
31	ANA	EP	08 13 33.3							
31	ASC	EP	08 13 30.5							

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31	8 48 51.86	51.53 N 179.64 E DEPTH = 70.1 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IPG	08 49 3.0	2.2	.1		27	50	.2	
31	ASB	EPG	08 49 3.1				33	55	-.0	
		ES	08 49 11.2						-.1	
31	ASC	IPG	08 49 3.2				34	77	.0	
		ES	08 49 11.3						-.1	
31	AND	IPG	08 49 4.0				48	94	-.1	
31	ANA	IPG	08 49 5.9				69	98	-.1	
		ES	08 49 16.6						.3	

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31	ANA	IP D	11 29 30.4							
		I(S)	11 30 7.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	AND	EP	11 29 32.2							
		E(S)	11 30 10.4							
31	ASB	EP	11 29 34.6							
		I(S)	11 30 13.7							
31	ASC	EP	11 29 34.7							
		E(S)	11 30 13.9							
31	ASD	EP	11 29 35.4	3.6	.1					
		E(S)	11 30 14.9							
31	ASD	IPG	14 22 25.7	1.8	.1					
		IS	14 22 36.7							
31	ASB	EPG	14 22 26.0	5.4	.1					
		ES	14 22 37.2							
31	ASC	EPG	14 22 26.1							
		ES	14 22 37.3							
31	ANA	IPG	14 22 27.2							
		IS	14 22 39.3							
31	AND	EPG	14 22 27.3							
		ES	14 22 37.7							
31	ASD	EPG	14 44 1.6	3.2	.1					
		IS	14 44 17.8							
		LG	14 44 20.2							
31	ASB	EPG	14 44 2.7	1.8	.1					
31	ASC	EPG	14 44 3.9							
31	AND	EPG	14 44 4.6							
31	ANA	EPG	14 44 8.9							
31	ANA	IPGD	15 15 4.6							
31	AND	IPGD	15 15 5.6							
		IS	15 15 21.2							
31	ASC	IPG	15 15 7.2							
31	ASB	IPG	15 15 7.8							
		IS	15 15 24.7							AMP OBSCURED
31	ASD	IPGD	15 15 7.9	7.7	.1					
		IS	15 15 25.1							
.....										
31	17 8	5.40	1.46 S	72.56 W	DEPTH = 651.0 KM MB = 6.8				TELESEISMIC SOLUTION	
			COLOMBIA							
31	ADK	IP D	17 20 42.9				11096	80		
		IS	17 30 18.6							
31	ASD	EP	17 20 54.3				11384	77		TELESEISMIC
31	ASB	EP	17 20 54.6				11391	77		
31	AND	EP	17 20 54.8				11405	76		
.....										
31	AND	EP	17 30 31.1							
31	ASD	EP	17 30 31.6							
31	ANA	EP	17 30 32.1							
31	ASB	EP	17 30 32.4							
.....										
31	17 54	25.26	51.16 N	179.67 E	DEPTH = 51.8 KM				FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ASD	IPG	17 54 34.4	2.2	.1		33	136	-.2	
		IS	17 54 41.4						-.1	
31	ASB	IPGC	17 54 35.0	1.2	.1		37	127	.0	
		IS	17 54 42.0						-.0	
31	ASC	EPG	17 54 36.6				48	133	.5	
31	AND	EPG	17 54 37.9				67	131	-.1	
		ES	17 54 47.2						-.1	
31	ANA	EPGC	17 54 40.2				87	126	-.2	
		ES	17 54 51.6						.2	
.....										
31	ADK	E	18 02 39.8							

JUL 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
31	18	6	16.06	51.53 N	178.83 E	DEPTH = 37.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS; ALEUTIAN ISLANDS										
31	ANA	IPGD	18 06 22.8				16	132	.2	SMALL AMP ON
		IS	18 06 27.2						-.2	
31	AND	IPGC	18 06 22.8				9	248	.5	ASD AND ASB.
31	ASC	IPG	18 06 21.6				24	288	-1.7	
31	ASB	EPG	18 06 24.3				35	303	.0	
		ES	18 06 30.2						-.0	
31	ASD	EPG	18 06 25.2				39	296	.4	
		ES	18 06 31.6						.4	
.....										
31	18	32	6.60	51.53 N	178.38 E	DEPTH = 97.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS; ALEUTIAN ISLANDS										
31	ANA	IPGC	18 32 20.9				22	241	.3	
		IS	18 32 30.3						-.5	
31	AND	IPGD	18 32 21.2				48	265	-.1	
		IS	18 32 31.8						-.2	
31	ASC	IPGC	18 32 22.2				55	278	.0	
		IS	18 32 34.5						1.0	
31	ASB	IPGD	18 32 22.7	5.3	.1		63	288	-.0	
		IS	18 32 34.7						.2	
31	ASD	IPGD	18 32 23.0	6.9	.1		69	285	-.2	
		ES	18 32 34.8						-.5	
.....										
31	19	7	3.52	51.21 N	179.60 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS; ALEUTIAN ISLANDS										
31	ASD	IPGC	19 07 17.2	6.6	.1	2.38	76	104	-.1	
		IS	19 07 27.3						-.1	
31	ASB	IPGC	19 07 18.4	8.1	.1	2.59	82	101	.0	
		IS	19 07 29.3						.1	
31	ASC	IPG	19 07 19.6				90	108	-.0	
		IS	19 07 31.4						.0	
31	AND	IPG	19 07 22.7				108	111	.4	
31	ANA	EPG	19 07 25.1				129	110	-.4	

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JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	1 52 23.70	12.98 N	145.04 E	47.0 T	4.8		MARIANA ISLANDS
01	2 32 54.88	51.40 N	179.88 W	65.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	3 17 25.50	28.08 N	139.28 E	514.0 T	4.8		BONIN ISLANDS REGION
02	6 10 1.30	51.31 N	179.16 W	43.0 T	4.5		DELAROF ISLANDS, ALEUTIAN ISLANDS
02	17 39 58.81	51.60 N	179.55 W	96.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	19 14 1.50	4.67 N	97.71 E	33.0 T	5.2	5.8	NORTHERN SUMATRA
02	20 6 9.60	16.55 N	145.57 E	596.0 T	4.5		MARIANA ISLANDS
03	5 32 2.06	52.06 N	178.33 E	147.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 36 49.07	51.43 N	178.81 E	34.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	19 12 .09	51.32 N	178.62 E	41.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	12 39 42.60	51.96 N	179.81 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	14 26 42.62	51.45 N	177.61 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	1 25 28.85	52.19 N	178.65 E	123.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	6 25 47.31	51.85 N	179.92 E	150.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	14 12 16.60	7.40 N	126.90 E	59.0 T	5.6		PHILLIPINE ISLANDS
06	1 10 12.30	5.11 S	152.64 E	65.0 T	5.0		NEW BRITAIN REGION
06	3 50 50.17	51.25 N	178.68 E	50.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	6 3 43.63	51.15 N	179.84 E	47.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	10 51 28.50	54.68 N	164.53 W	90.0 T	4.6		UNIMAK ISLAND REGION
06	15 4 40.70	36.60 N	134.64 E	374.0 T	5.0		SEA OF JAPAN
06	16 20 12.38	51.17 N	178.58 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	19 9 45.32	50.99 N	178.52 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	23 42 4.00	52.37 N	179.97 E	231.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
07	12 18 58.14	51.36 N	178.09 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	14 20 57.91	51.11 N	179.30 E	28.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	22 27 40.03	51.61 N	179.74 E	182.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	8 55 17.14	51.33 N	178.73 E	36.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	10 30 34.40	51.44 N	178.86 E	42.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	16 15 46.54	51.10 N	179.88 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	19 47 53.80	52.47 N	176.14 W	172.0 T	4.7		ANDREANOF ISLANDS
08	23 14 22.02	50.26 N	179.52 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
09	10 22 18.61	51.74 N	179.32 E	95.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	3 18 27.34	51.99 N	179.07 W	175.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	3 29 38.36	51.42 N	179.82 W	108.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	9 16 44.20	61.47 N	146.55 W	35.0 T	4.2		SOUTHERN ALASKA
10	9 25 24.40	11.98 S	166.56 E	140.0 T	5.3		SANTA CRUZ ISLANDS
10	9 33 32.76	51.06 N	179.93 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	13 14 50.90	17.49 N	101.02 W	46.0 T	5.1	5.2	COAST OF MEXICO
10	14 45 27.08	51.25 N	179.28 E	20.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 9 15.41	51.48 N	179.28 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	16 16 57.30	28.73 N	129.28 E	63.0 T	5.2		RYUKYU ISLANDS
10	21 6 38.30	13.93 N	120.45 E	80.0 T	5.6		PHILLIPINE ISLANDS
11	3 21 12.00	50.68 N	179.37 E	43.0 T	3.8		RAT ISLANDS, ALEUTIAN ISLANDS
11	5 26 55.40	51.20 N	179.20 W	37.0 T	4.1		DELAROF ISLANDS, ALEUTIAN ISLANDS
11	6 49 17.41	51.43 N	178.50 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	6 58 37.70	51.00 N	178.87 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	7 40 34.94	51.61 N	179.30 E	67.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	11 59 24.29	51.50 N	178.99 E	55.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	0 57 43.80	51.45 N	179.51 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	9 17 59.00	10.83 N	125.39 E	35.0 T	5.5	5.4	PHILLIPINE ISLANDS
12	11 31 30.65	51.36 N	179.05 E	60.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	17 0 36.64	51.45 N	179.09 E	76.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	0 17 43.21	50.99 N	178.58 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	11 29 4.94	51.10 N	179.07 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	13 14 57.63	51.44 N	179.89 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	16 0 41.40	60.43 N	152.04 W	104.0 T	4.8		SOUTHERN ALASKA
13	16 42 26.49	51.24 N	178.73 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	14 31 55.53	51.52 N	178.62 E	31.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	15 27 12.71	51.28 N	179.83 E	34.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	18 48 34.40	51.48 N	174.43 E	39.0 T	4.9		RAT ISLANDS, ALEUTIAN ISLANDS
14	19 16 57.89	50.79 N	178.24 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 6 48.08	51.00 N	179.12 E	27.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

JUL HYPOCENTER SUMMARY

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JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	2 27 52.40	53.21 N	171.02 E	199.0 T	4.0		NEAR ISLANDS
15	3 33 46.01	50.96 N	179.14 E	21.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	3 38 52.24	51.01 N	179.15 E	29.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	8 30 4.98	51.44 N	178.04 E	91.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	16 27 53.94	51.94 N	178.74 E	135.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	2 30 49.04	51.09 N	179.99 W	24.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	3 59 22.60	51.39 N	178.50 E	58.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	4 38 41.70	51.21 N	178.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	7 38 .80	25.30 S	178.10 W	225.0 T	5.2		SOUTH OF FIJI ISLAND
16	10 35 33.75	51.45 N	178.56 E	66.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	14 58 33.65	51.48 N	178.55 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	15 39 24.95	51.36 N	179.07 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	15 43 20.20	25.88 S	177.25 W	90.0 T	5.3		SOUTH OF FIJI ISLAND
16	16 2 5.83	51.21 N	178.23 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	19 52 24.96	51.87 N	179.02 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	21 17 44.20	19.19 S	173.45 W	33.0 T	5.8	6.0	TONGA ISLANDS
17	0 57 21.46	50.82 N	179.86 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	2 45 37.48	51.00 N	179.04 E	31.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	7 32 10.10	51.05 N	171.31 W	33.0 T	4.9		FOX ISLANDS, ALEUTIAN ISLANDS
17	17 9 14.19	51.27 N	177.49 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 4 46.50	22.10 S	174.71 W	33.0 T	5.6	6.2	TONGA ISLANDS REGION
18	1 48 38.90	51.39 N	178.52 W	46.0 T	5.7	5.9	DELAROF ISLANDS, ALEUTIAN ISLANDS
18	2 39 59.40	51.03 N	178.38 W	33.0 T	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
18	2 53 49.05	51.62 N	178.72 E	75.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 54 51.62	51.32 N	178.49 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	10 38 27.94	51.04 N	179.97 E	28.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 6 40.71	51.44 N	179.36 E	61.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 18 19.69	51.45 N	177.99 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	16 10 45.24	50.64 N	178.29 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	2 55 8.25	51.54 N	179.80 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	3 25 18.13	51.52 N	179.76 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
19	3 40 42.50	51.10 N	178.17 W	30.0 T	4.3		ANDREANOF ISLANDS, ALEUTIAN IS.
19	4 25 57.36	51.92 N	178.74 E	101.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	9 22 40.10	3.79 S	152.40 E	20.0 T	5.5	6.0	NEW IRELAND REGION
19	13 16 34.52	51.21 N	179.77 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	13 47 41.78	51.55 N	179.43 E	126.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	16 1 40.56	51.34 N	179.68 E	58.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	18 35 57.34	50.33 N	178.39 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	21 33 42.84	51.38 N	179.77 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	22 3 51.06	51.66 N	179.35 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	4 14 34.43	50.76 N	178.15 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	4 57 8.54	51.01 N	179.10 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	5 53 15.44	51.77 N	176.90 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 36 56.45	51.55 N	178.60 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 25 43.27	51.63 N	179.90 E	69.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	14 3 47.55	51.12 N	179.87 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	15 40 45.20	53.17 N	164.84 W	33.0 T	4.4		UNIMAK ISLAND REGION
20	16 1 2.80	51.14 N	179.30 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	22 1 49.02	51.69 N	179.33 E	95.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 31 18.03	51.51 N	179.09 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	0 57 5.47	51.46 N	179.30 E	62.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	1 8 13.70	51.01 N	179.02 E	31.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	3 2 57.10	49.95 N	77.76 E	0.0 T	5.4		EASTERN KAZAKH SSR
21	4 49 10.76	50.88 N	178.97 E	15.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 58 37.42	50.26 N	178.71 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	10 13 55.91	52.41 N	179.99 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	10 48 21.70	53.01 N	168.21 W	54.0 T	4.7		FOX ISLANDS, ALEUTIAN ISLANDS
21	15 49 28.99	51.72 N	179.00 E	59.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	15 55 29.32	51.00 N	177.87 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	17 1 48.92	50.98 N	178.89 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	23 5 3.00	53.73 N	164.92 W	33.0 T	4.4		UNIMAK ISLAND REGION
22	0 38 8.35	51.29 N	177.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
22	6 53 37.49	51.70 N	179.84 W	106.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	7 18 55.03	51.27 N	177.89 E	52.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	13 9 39.80	5.53 S	147.27 E	165.0 T	5.2		EAST NEW GUINEA
22	13 43 41.16	51.67 N	177.93 E	75.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	20 15 34.55	51.16 N	178.71 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	5 44 12.99	51.25 N	179.22 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	6 20 28.58	50.23 N	178.44 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	7 31 42.84	51.65 N	176.47 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	15 45 14.60	15.71 S	173.85 W	95.0 T	5.4		TONGA ISLANDS
23	20 50 26.52	51.29 N	179.67 E	55.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	0 21 37.70	51.36 N	178.88 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 56 57.40	49.80 N	78.17 E	0.0 T	5.3		EASTERN KAZAKH SSR
24	8 2 23.60	52.14 N	171.45 E	33.0 T	5.0	4.1	NEAR ISLANDS, ALEUTIAN ISLANDS
24	8 19 25.29	51.08 N	179.79 E	25.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	10 22 25.73	51.68 N	178.89 E	69.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 51 7.20	55.21 N	165.43 E	33.0 T	4.7		KOMANDORSKY ISLANDS
24	14 44 15.17	51.88 N	179.37 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	17 29 58.15	51.61 N	179.84 E	202.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	20 19 17.56	51.17 N	178.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	22 22 26.72	51.33 N	179.13 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	23 12 47.83	51.05 N	179.06 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	1 53 14.64	51.63 N	179.33 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	4 11 9.31	51.48 N	179.80 E	63.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	14 27 22.93	51.72 N	179.61 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	22 41 10.70	32.18 N	131.69 E	34.0 T	6.1	7.0	KYUSHU, JAPAN
26	7 10 36.00	32.19 N	131.81 E	35.0 T	6.1	5.9	KYUSHU, JAPAN
26	8 43 29.53	51.71 N	179.86 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	9 18 48.83	51.24 N	179.39 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	11 45 38.84	51.43 N	178.83 E	41.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	13 30 8.30	51.43 N	178.50 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	15 26 4.50	50.77 N	179.98 E	32.5 F			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
26	19 43 14.30	50.47 N	178.28 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 36 13.23	50.95 N	178.48 E	29.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	2 41 33.57	51.00 N	178.53 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 24 1.43	51.49 N	178.61 E	65.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 29 51.90	51.63 N	178.98 E	21.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 33 46.90	50.75 N	179.83 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	7 59 26.23	51.50 N	179.89 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	9 22 6.44	52.24 N	178.94 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	9 34 20.64	52.14 N	179.12 E	83.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 35 9.43	52.23 N	178.97 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	19 30 20.80	50.06 N	179.96 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 3 57.81	50.50 N	178.94 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 39 26.33	51.38 N	179.10 E	55.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	13 56 39.95	51.29 N	178.97 E	54.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	19 28 13.80	54.11 N	165.95 W	92.0 T	4.8		FOX ISLANDS, ALEUTIAN ISLANDS
28	23 7 23.04	51.22 N	178.81 E	30.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	0 39 31.25	51.51 N	177.87 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 33 55.83	51.08 N	179.06 E	35.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 14 27.86	51.33 N	178.62 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 29 56.18	51.25 N	178.57 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 58 54.81	51.15 N	178.51 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 39 38.83	51.83 N	178.49 E	93.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 42 34.21	51.22 N	178.52 E	32.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	10 16 19.30	26.02 N	95.40 E	59.0 T	6.5		BURMA-INDIA BORDER REGION
29	11 3 53.74	51.50 N	179.95 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	14 50 26.59	51.23 N	178.53 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 10 46.88	51.67 N	178.86 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	20 38 51.59	50.96 N	178.51 E	35.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	23 43 30.99	51.06 N	179.37 E	42.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	0 52 19.50	37.82 N	55.88 E	19.0 T	5.7	6.6	IRAN-USSR BORDER REGION
30	1 38 2.24	51.70 N	179.67 E	77.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	4 23 32.96	51.58 N	178.97 E	72.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	4 57 55.12	51.22 N	178.63 E	47.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	5 7 14.10	51.06 N	178.38 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	6 0 39.49	51.41 N	179.39 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	8 3 55.37	51.26 N	178.59 E	45.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	9 17 44.36	51.12 N	178.72 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	10 47 17.90	51.79 N	178.83 E	80.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	11 0 29.47	51.69 N	179.45 E	88.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	13 38 44.10	52.03 N	179.42 E	186.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	13 44 11.49	52.24 N	179.83 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	16 12 17.39	51.50 N	179.80 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	17 47 47.84	51.13 N	178.18 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 12 18.86	51.23 N	179.40 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 36 4.01	51.81 N	179.76 E	88.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	21 41 3.75	51.59 N	179.60 E	96.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	4 0 1.68	51.34 N	179.53 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	5 54 1.15	50.96 N	179.31 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	8 48 51.86	51.53 N	179.64 E	70.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	17 8 5.40	1.46 S	72.56 W	651.0 T	6.8		COLOMBIA
31	17 54 25.26	51.16 N	179.67 E	51.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	18 6 16.06	51.53 N	178.83 E	37.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	18 32 6.60	51.53 N	178.38 E	97.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	19 7 3.52	51.21 N	179.60 W	0.0 D			DELAROF 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 NATIONAL OCEAN SURVEY (NOS) 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 NOS 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 ATTU PLATE.

DEPTH OF FOCUS (km)

0-50

50-100

100-150

150-200

200-250

$m_B = 3.0$

*

□

×

◇

+

$m_B = 4.0$

*

□

×

◇

+

$m_B = 5.0$

*

□

×

◇

+

$m_B = 6.0$

*

□

×

◇

+

$m_B = 7.0$

*

□

×

◇

+